Leisure Development

Installation : Hay-on-wye

Project number	:	IJF03096
Customer	:	TT Planning
Processed by	:	Ian Forrow
Date	:	24.10.2026

Project description:
Please see detailed report for room by room light levls and specified lighting products.

Initail internal lighting is a lighting option and is subject to change by the client.

Some lighting within this report will have overlapping products from the room either above or below.

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

IJF Lighting
Bringing Buildings to Life

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1 Luminaire data

1.1 Cosmic Lighting, Dione 1 4K 120W 90° (CML0611)

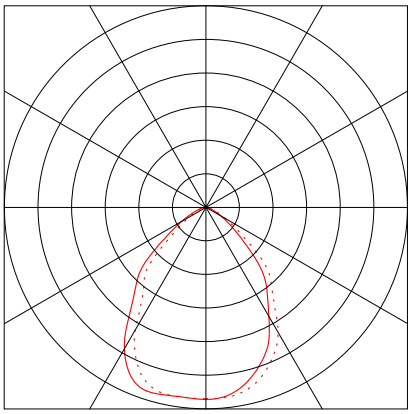
1.1.1 Data sheet

Manufacturer: Cosmic Lighting

CML0611 Dione 1 4K 120W 90°

Luminaire data		
Luminaire efficiency	:	99.99%
Luminaire efficacy	:	169.99 lm/W
Classification	:	A50 ↓99% ↑1%
CIE Flux Codes	:	69 94 99 99 100
UGR 4H 8H	:	23.0 / 23.8
Power	:	120 W
Luminous flux	:	20398 lm
Dimensions	:	Ø295 mm x 121 mm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	20400 lm
Colour reproduction	:	70



1 Luminaire data

1.2 Cosmic Lighting, Dione 1 4K 120W 90° (!CML0611-EM)

1.2.1 Data sheet

Manufacturer: Cosmic Lighting

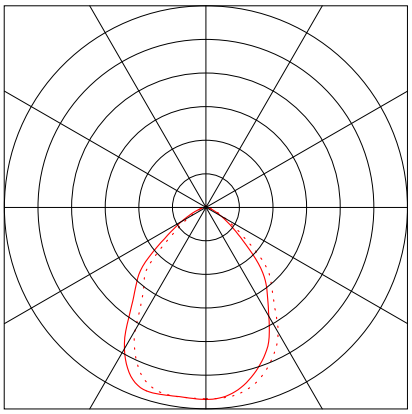
!CML0611-EM Dione 1 4K 120W 90°

Luminaire data

Luminaire efficiency	:	99.99%
Luminaire efficacy	:	169.99 lm/W
Classification	:	A50 ↓99% ↑1%
CIE Flux Codes	:	69 94 99 99 100
UGR 4H 8H	:	23.0 / 23.8
Power	:	120 W
Luminous flux	:	20398 lm
Dimensions	:	Ø295 mm x 121 mm

Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	20400 lm
Colour reproduction	:	70



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	300 lm

1 Luminaire data

1.3 Cosmic Lighting, IO 2 Highbay 45w 4K (!CML0322)

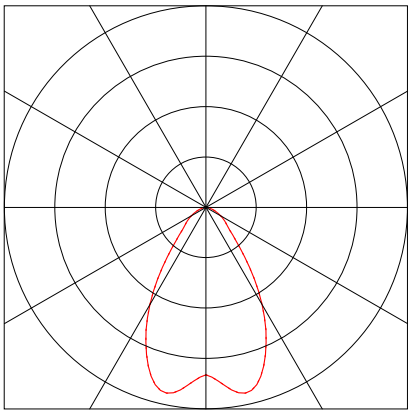
1.3.1 Data sheet

Manufacturer: Cosmic Lighting

!CML0322 IO 2 Highbay 45w 4K

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	97.91 lm/W
Classification	:	A60 ↓100% ↑0%
CIE Flux Codes	:	75 92 99 100 100
UGR 4H 8H	:	15.3 / 15.3
Power	:	46.4 W
Luminous flux	:	4543 lm
Dimensions	:	Ø415 mm x 390 mm



Equipped with

Quantity	:	1
Designation	:	PHILIPS FORTIMO DLM LED
Colour	:	4000K
Colour reproduction	:	80

1 Luminaire data

1.4 Cosmic Lighting, IO 2 Highbay 45w 4K (!CML0322-EMI)

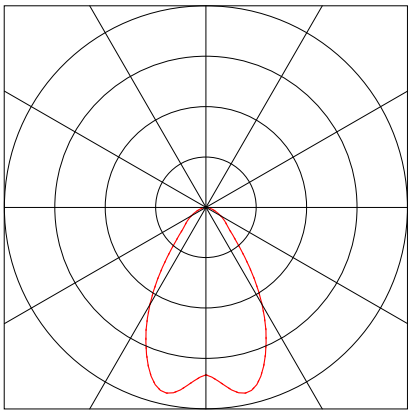
1.4.1 Data sheet

Manufacturer: Cosmic Lighting

!CML0322-EMI IO 2 Highbay 45w 4K

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	97.91 lm/W
Classification	:	A60 ↓100% ↑0%
CIE Flux Codes	:	75 92 99 100 100
UGR 4H 8H	:	15.3 / 15.3
Power	:	46.4 W
Luminous flux	:	4543 lm
Dimensions	:	Ø415 mm x 390 mm



Equipped with

Quantity	:	1
Designation	:	PHILIPS FORTIMO DLM LED
Colour	:	4000K
Colour reproduction	:	80

Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	300 lm

1 Luminaire data

1.5 Cosmic Lighting, Pluto 1 4K 10W (CML0324)

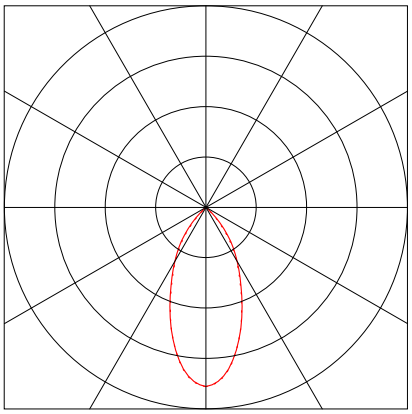
1.5.1 Data sheet

Manufacturer: Cosmic Lighting

CML0324 Pluto 1 4K 10W

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	123.55 lm/W
Classification	:	A70 ↓100% ↑0%
CIE Flux Codes	:	95 100 100 100 100
UGR 4H 8H	:	13.9 / 13.5
Power	:	9.5 W
Luminous flux	:	1174 lm
Dimensions	:	Ø232 mm x 3 mm



Equipped with

Quantity	:	1
Designation	:	FLEX G2 LED
Colour	:	4000K
Colour reproduction	:	80

1 Luminaire data

1.6 Cosmic Lighting, Pluto 1 4K 10W (!CML0324-EMI)

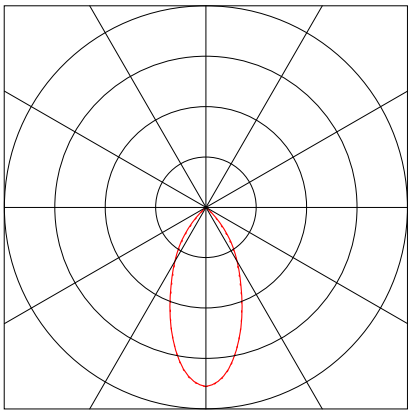
1.6.1 Data sheet

Manufacturer: Cosmic Lighting

!CML0324-EMI Pluto 1 4K 10W

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	123.55 lm/W
Classification	:	A70 ↓100% ↑0%
CIE Flux Codes	:	95 100 100 100 100
UGR 4H 8H	:	13.9 / 13.5
Power	:	9.5 W
Luminous flux	:	1174 lm
Dimensions	:	Ø232 mm x 3 mm



Equipped with

Quantity	:	1
Designation	:	FLEX G2 LED
Colour	:	4000K
Colour reproduction	:	80

Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	250 lm

1 Luminaire data

1.7 Cosmic Lighting, Planet 2 4K 23W 600x600 (CML0532)

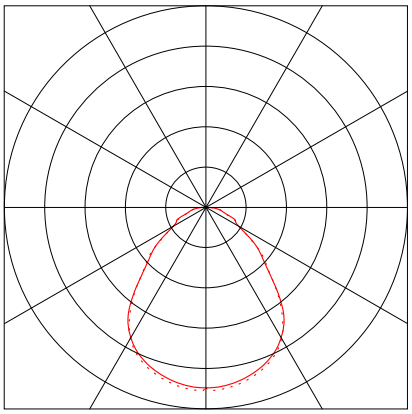
1.7.1 Data sheet

Manufacturer: Cosmic Lighting

CML0532 Planet 2 4K 23W 600x600

Luminaire data		
Luminaire efficiency	:	100%
Luminaire efficacy	:	155 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	59 85 96 99 100
UGR 4H 8H	:	18.2 / 18.4
Power	:	23 W
Luminous flux	:	3565 lm
Dimensions	:	597 mm x 597 mm x 11 mm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	3565 lm
Colour reproduction	:	85



1 Luminaire data

1.8 Cosmic Lighting, Planet 2 4K 23W 600x600 (!CML0532-EM)

1.8.1 Data sheet

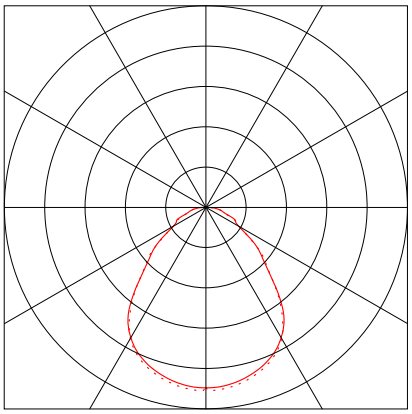
Manufacturer: Cosmic Lighting

!CML0532-EM Planet 2 4K 23W 600x600

Luminaire data

Luminaire efficiency	:	100%
Luminaire efficacy	:	155 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	59 85 96 99 100
UGR 4H 8H	:	18.2 / 18.4
Power	:	23 W
Luminous flux	:	3565 lm

Dimensions : 597 mm x 597 mm x 11 mm



Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	3565 lm
Colour reproduction	:	85

Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux : 250 lm

1 Luminaire data

1.9 Cosmic Lighting, Pluto 1 4K 18W (CML0326)

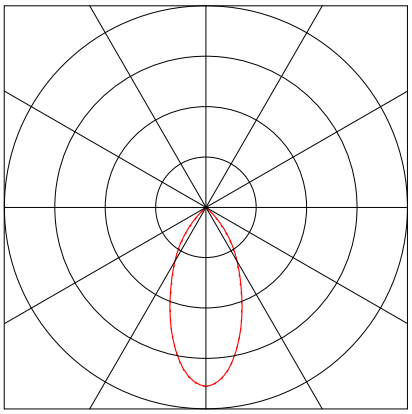
1.9.1 Data sheet

Manufacturer: Cosmic Lighting

CML0326 Pluto 1 4K 18W

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	114.16 lm/W
Classification	:	A70 ↓100% ↑0%
CIE Flux Codes	:	95 100 100 100 100
UGR 4H 8H	:	15.8 / 15.3
Power	:	17.5 W
Luminous flux	:	1998 lm
Dimensions	:	Ø232 mm x 3 mm



Equipped with

Quantity	:	1
Designation	:	FLEX G2 LED
Colour	:	4000K
Colour reproduction	:	80

1 Luminaire data

1.10 Cosmic Lighting, Pluto 1 4K 18W (!CML0326-EMI)

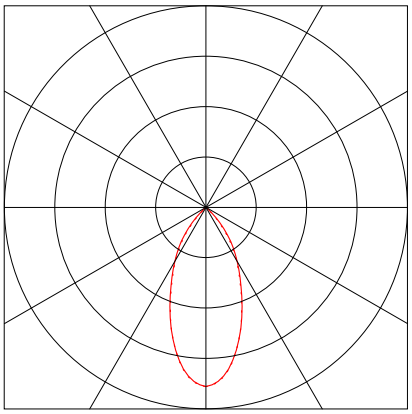
1.10.1 Data sheet

Manufacturer: Cosmic Lighting

!CML0326-EMI Pluto 1 4K 18W

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	114.16 lm/W
Classification	:	A70 ↓100% ↑0%
CIE Flux Codes	:	95 100 100 100 100
UGR 4H 8H	:	15.8 / 15.3
Power	:	17.5 W
Luminous flux	:	1998 lm
Dimensions	:	Ø232 mm x 3 mm



Equipped with

Quantity	:	1
Designation	:	FLEX G2 LED
Colour	:	4000K
Colour reproduction	:	80

Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	250 lm

1 Luminaire data

1.11 Cosmic Lighting, Mars I - IP65 Batten 36w 4K (CML0045)

1.11.1 Data sheet

Manufacturer: Cosmic Lighting

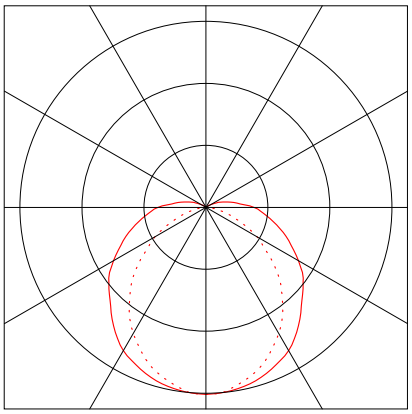
CML0045 Mars I - IP65 Batten 36w 4K

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	151.12 lm/W
Classification	:	A31 ↓93% ↑7%
CIE Flux Codes	:	43 72 90 93 100
UGR 4H 8H	:	25.5 / 21.1
Power	:	36.3 W
Luminous flux	:	5485 lm
Dimensions	:	1500 mm x 100 mm x 30 mm

Equipped with

Quantity	:	1
Designation	:	Tridonic LLE LED
Colour	:	4000K
Colour reproduction	:	80



1 Luminaire data

1.12 Cosmic Lighting, Mars I - IP65 Battern 36w 4K (!CML0045-EM)

1.12.1 Data sheet

Manufacturer: Cosmic Lighting

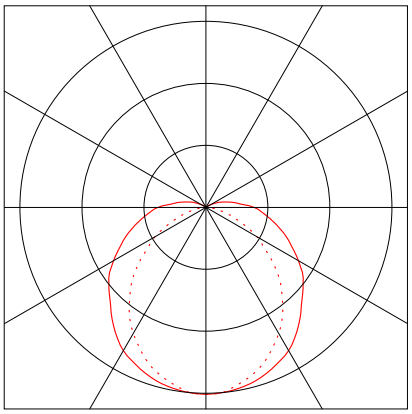
!CML0045-EM **Mars I - IP65 Battern 36w 4K**

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	151.12 lm/W
Classification	:	A31 ↓93% ↑7%
CIE Flux Codes	:	43 72 90 93 100
UGR 4H 8H	:	25.5 / 21.1
Power	:	36.3 W
Luminous flux	:	5485 lm
Dimensions	:	1500 mm x 100 mm x 30 mm

Equipped with

Quantity	:	1
Designation	:	Tridonic LLE LED
Colour	:	4000K
Colour reproduction	:	80



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	300 lm

1 Luminaire data

1.13 Cosmic Lighting, Meteor 1 4K 20W (CML0098-WB)

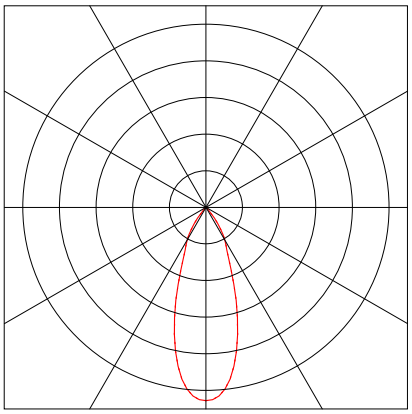
1.13.1 Data sheet

Manufacturer: Cosmic Lighting

CML0098-WB **Meteor 1 4K 20W**

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	96.39 lm/W
Classification	:	A80 ↓100% ↑0%
CIE Flux Codes	:	98 100 100 100 100
UGR 4H 8H	:	19.8 / 19.8
Power	:	20.2 W
Luminous flux	:	1947 lm
Dimensions	:	Ø80 mm x 160 mm



Equipped with

Quantity	:	1
Designation	:	TRIDONIC SLE
Colour	:	4000K
Colour reproduction	:	80

1 Luminaire data

1.14 Cosmic Lighting, Universe 1 TRI 200W (CML0730)

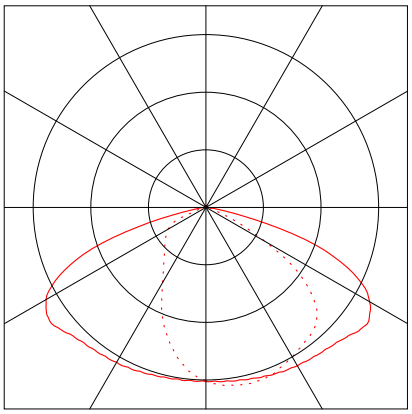
1.14.1 Data sheet

Manufacturer: Cosmic Lighting

CML0730 Universe 1 TRI 200W

Luminaire data		
Luminaire efficiency	:	99.96%
Luminaire efficacy	:	139.94 lm/W
Classification	:	A40 ↓99% ↑1%
CIE Flux Codes	:	43 79 98 99 100
UGR 4H 8H	:	35.1 / 25.2
Power	:	200 W
Luminous flux	:	27989 lm
Dimensions	:	349 mm x 314 mm x 44 mm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	2700K/4000K/6000K
Luminous flux	:	28000 lm
Colour reproduction	:	80



1 Luminaire data

1.15 Cosmic Lighting, Eris 3 4K 20W 160Dia (CML0719)

1.15.1 Data sheet

Manufacturer: Cosmic Lighting

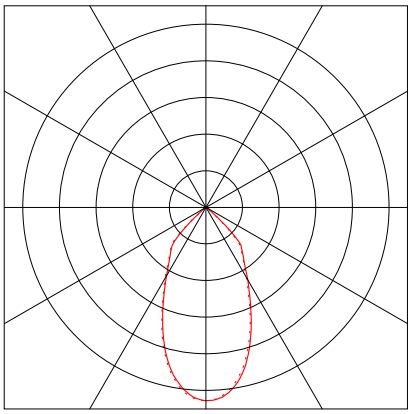
CML0719 Eris 3 4K 20W 160Dia

Luminaire data

Luminaire efficiency	:	100%
Luminaire efficacy	:	115 lm/W
Classification	:	A60 ↓100% ↑0%
CIE Flux Codes	:	84 98 99 100 100
UGR 4H 8H	:	22.5 / 22.4
Power	:	20 W
Luminous flux	:	2300 lm
Dimensions	:	Ø160 mm x 120 mm

Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	2300 lm
Colour reproduction	:	80



1 Luminaire data

1.16 Cosmic Lighting, Eris 3 4K 20W 160Dia (!CML0719-EMI)

1.16.1 Data sheet

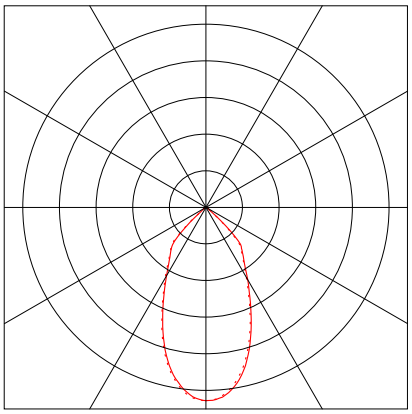
Manufacturer: Cosmic Lighting

!CML0719-EMI Eris 3 4K 20W 160Dia

Luminaire data

Luminaire efficiency	:	100%
Luminaire efficacy	:	115 lm/W
Classification	:	A60 ↓100% ↑0%
CIE Flux Codes	:	84 98 99 100 100
UGR 4H 8H	:	22.5 / 22.4
Power	:	20 W
Luminous flux	:	2300 lm

Dimensions : Ø160 mm x 120 mm



Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	2300 lm
Colour reproduction	:	80

Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	250 lm

1 Luminaire data

1.17 Cosmic Lighting, Callisto 1 Opal 2528mm 4K (CML0182-OP)

1.17.1 Data sheet

Manufacturer: Cosmic Lighting

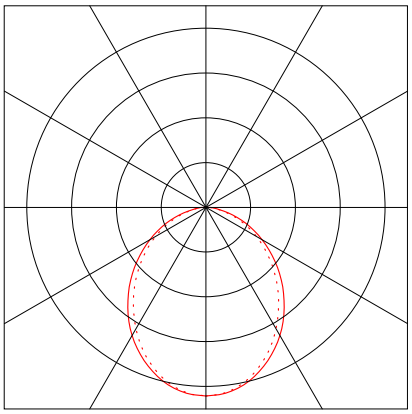
CML0182-OP **Callisto 1 Opal 2528mm 4K**

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	116.67 lm/W
Classification	:	A40 ↓100% ↑0%
CIE Flux Codes	:	52 82 96 100 100
UGR 4H 8H	:	24.6 / 24.1
Power	:	46.5 W
Luminous flux	:	5425 lm
Dimensions	:	2528 mm x 62 mm x 72 mm

Equipped with

Quantity	:	1
Designation	:	Tridonic LLE LED
Colour	:	4000
Colour reproduction	:	80



1 Luminaire data

1.18 Cosmic Lighting, Callisto 1 Opal 2528mm 4K (!CML0182-OP-EMI)

1.18.1 Data sheet

Manufacturer: Cosmic Lighting

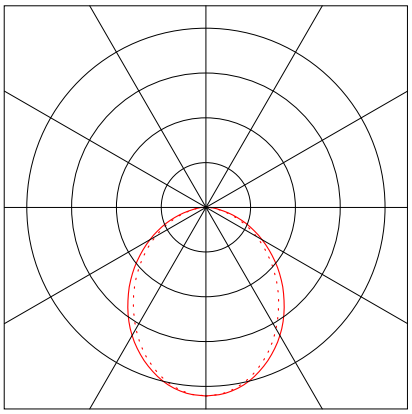
!CML0182-OP-EMI Callisto 1 Opal 2528mm 4K

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	116.67 lm/W
Classification	:	A40 ↓100% ↑0%
CIE Flux Codes	:	52 82 96 100 100
UGR 4H 8H	:	24.6 / 24.1
Power	:	46.5 W
Luminous flux	:	5425 lm
Dimensions	:	2528 mm x 62 mm x 72 mm

Equipped with

Quantity	:	1
Designation	:	Tridonic LLE LED
Colour	:	4000
Colour reproduction	:	80



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	300 lm

1 Luminaire data

1.19 Cosmic Lighting, Callisto 1 Low Glare 2528mm 4K (CML0183-LG)

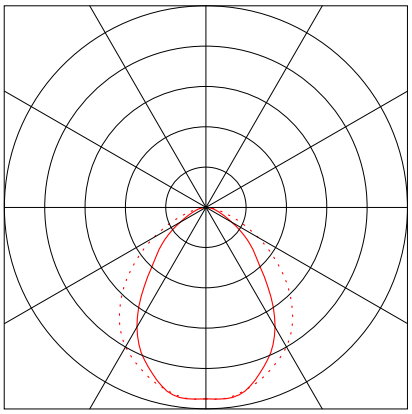
1.19.1 Data sheet

Manufacturer: Cosmic Lighting

CML0183-LG **Callisto 1 Low Glare 2528mm 4K**

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	135.33 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	59 88 98 100 100
UGR 4H 8H	:	20.5 / 23.6
Power	:	37.5 W
Luminous flux	:	5075 lm
Dimensions	:	2528 mm x 62 mm x 72 mm



Equipped with

Quantity	:	1
Designation	:	Tridonic LLE
Colour	:	4000
Colour reproduction	:	80

1 Luminaire data

1.20 Cosmic Lighting, Callisto 1 Low Glare 252... (!CML0183-LG-EMI)

1.20.1 Data sheet

Manufacturer: Cosmic Lighting

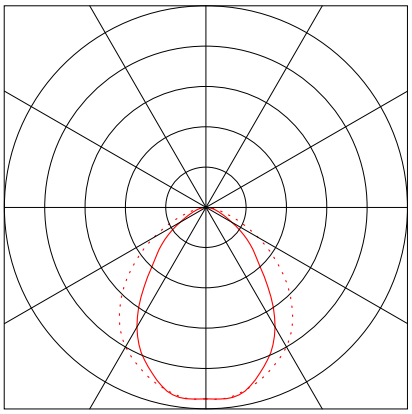
!CML0183-LG-EMI Callisto 1 Low Glare 2528mm 4K

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	135.33 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	59 88 98 100 100
UGR 4H 8H	:	20.5 / 23.6
Power	:	37.5 W
Luminous flux	:	5075 lm
Dimensions	:	2528 mm x 62 mm x 72 mm

Equipped with

Quantity	:	1
Designation	:	Tridonic LLE
Colour	:	4000
Colour reproduction	:	80



Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux	:	300 lm

1 Luminaire data

1.21 SYNERGY CLL, Topaz LED Twin Spot (Sing... (TPZ_NM_2x6W_MT)

1.21.1 Data sheet

Manufacturer: SYNERGY CLL

TPZ_NM_2x6W_MT **Topaz LED Twin Spot (Single Head)**

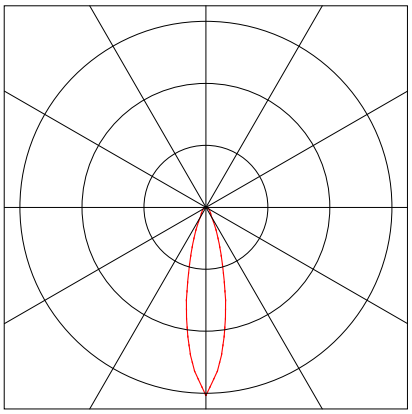
Luminaire data

Luminaire efficiency	:	99.54%
Luminaire efficacy	:	108.5 lm/W
Classification	:	A70 ↓100% ↑0%
CIE Flux Codes	:	79 91 98 100 100
UGR 4H 8H	:	18.5 / 18.5
Power	:	3.5 W
Luminous flux	:	380 lm

Dimensions : 115 mm x 115 mm x 75 mm

Equipped with

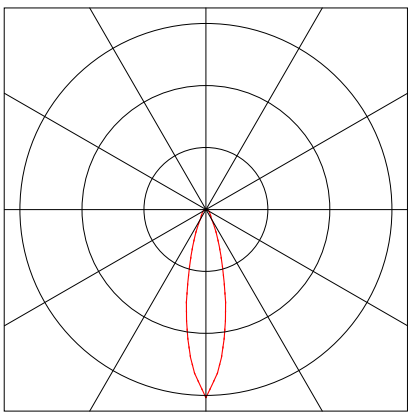
Quantity	:	1
Designation	:	LED
Colour	:	4737
Luminous flux	:	381.5 lm
Colour reproduction	:	0



Emergency Lighting

Emergency lighting with own light source
Absolute Photometry

Luminaire efficacy	:	108.5 lm/W
Power	:	3.5 W
Luminous flux	:	381.5 lm



1 Luminaire data

1.22 Cosmic Lighting, Space 2 Dome Louvre 19W Bollard (CML0756)

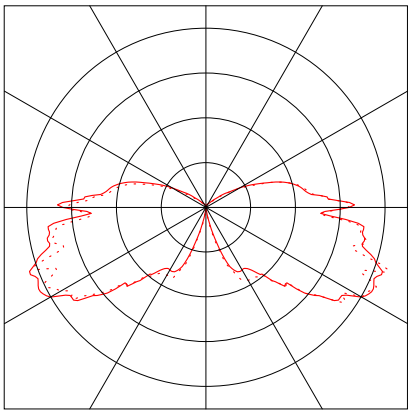
1.22.1 Data sheet

Manufacturer: Cosmic Lighting

CML0756 Space 2 Dome Louvre 19W Bollard

Luminaire data		
Luminaire efficiency	:	99.99%
Luminaire efficacy	:	59.99 lm/W
Classification	:	B11 ↓70% ↑30%
CIE Flux Codes	:	13 39 72 70 100
Glare	:	n/a / D5
Power	:	19 W
Luminous flux	:	1140 lm
Dimensions	:	Ø160 mm x 118 mm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	1140 lm
Colour reproduction	:	80



1 Luminaire data

1.23 Cosmic Lighting, QST3-PRO-70/80/90/100-TC/FX (80W) (.)

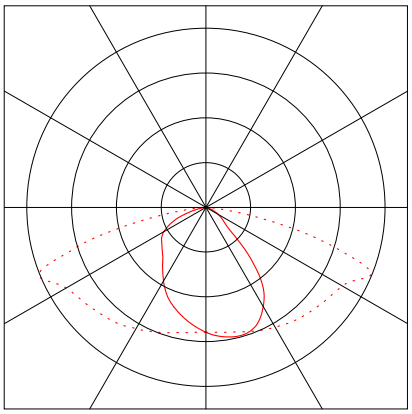
1.23.1 Data sheet

Manufacturer: Cosmic Lighting

. QST3-PRO-70/80/90/100-TC/FX (80W)

Luminaire data		
Luminaire efficiency	:	99.96%
Luminaire efficacy	:	169.92 lm/W
Classification	:	A40 ↓100% ↑0%
CIE Flux Codes	:	43 76 97 100 100
UGR 4H 8H	:	19.8 / 31.1
Power	:	80 W
Luminous flux	:	13595 lm
Dimensions	:	240 mm x 607 mm x 108 mm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	4000K
Luminous flux	:	13600 lm
Colour reproduction	:	70



1 Luminaire data

1.24 Cosmic Lighting, Mars V 4K 23W 1200mm (CML0599)

1.24.1 Data sheet

Manufacturer: Cosmic Lighting

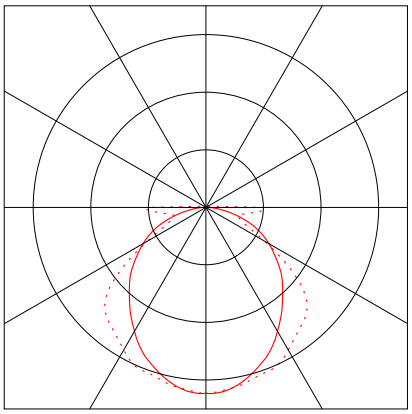
CML0599 Mars V 4K 23W 1200mm

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	155.79 lm/W
Classification	:	A41 ↓96% ↑4%
CIE Flux Codes	:	46 77 92 96 97
UGR 4H 8H	:	22.5 / 24.5
Power	:	23 W
Luminous flux	:	3583 lm
Dimensions	:	1200 mm x 75 mm x 50 mm

Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	4000K
Colour reproduction	:	80



1 Luminaire data

1.25 Cosmic Lighting, MITRE-BOLT-WS-TC (12W) (1)

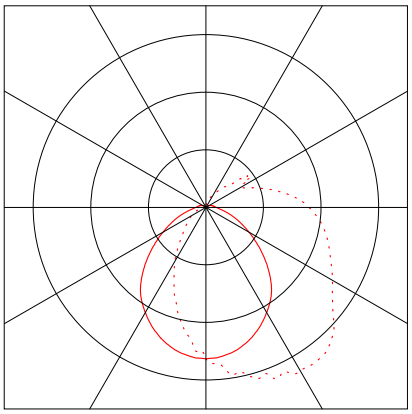
1.25.1 Data sheet

Manufacturer: Cosmic Lighting

1 MITRE-BOLT-WS-TC (12W)

Luminaire data		
Luminaire efficiency	:	100%
Luminaire efficacy	:	140 lm/W
Classification	:	B31 ↓83% ↑17%
CIE Flux Codes	:	41 69 87 83 100
UGR 4H 8H	:	18.5 / <10.0
Power	:	12 W
Luminous flux	:	1680 lm
Dimensions	:	97 mm x 293 mm x 289 mm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	3000K 4000K 6000K
Luminous flux	:	1680 lm
Colour reproduction	:	80



1 Luminaire data

1.26 Cosmic Lighting, Neptune 3 Ring Segment... (!Neptune 3 Ring...)

1.26.1 Data sheet

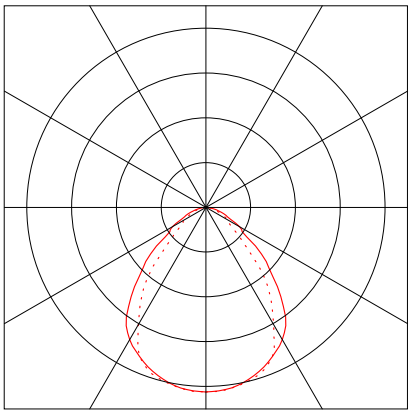
Manufacturer: Cosmic Lighting

!Neptune 3 Ring Segment **Neptune 3 Ring Segment**

Luminaire data		
Luminaire efficiency	:	77.17%
Luminaire efficacy	:	104.18 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	66 90 98 100 77
UGR 4H 8H	:	20.6 / 18.9
Power	:	2.2 W
Luminous flux	:	229 lm

Equipped with		
Quantity	:	1
Designation	:	LED
Colour	:	0
Luminous flux	:	297 lm
Colour reproduction	:	0

Dimensions : 140 mm x 60 mm x 2 mm



1 Luminaire data

1.27 Cosmic Lighting, Neptune 3 Ring Segment... (!Neptune 3 Ring...)

1.27.1 Data sheet

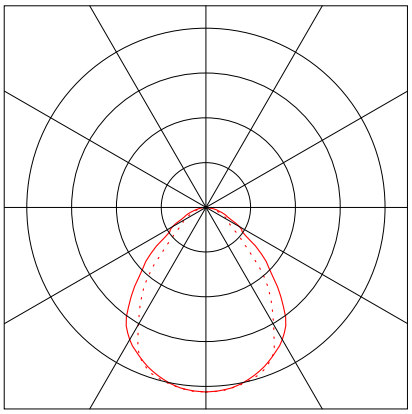
Manufacturer: Cosmic Lighting

!Neptune 3 Ring Segment - EM **Neptune 3 Ring Segment**

Luminaire data

Luminaire efficiency	:	77.17%
Luminaire efficacy	:	104.18 lm/W
Classification	:	A50 ↓100% ↑0%
CIE Flux Codes	:	66 90 98 100 77
UGR 4H 8H	:	20.6 / 18.9
Power	:	2.2 W
Luminous flux	:	229 lm

Dimensions : 140 mm x 60 mm x 2 mm



Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	0
Luminous flux	:	297 lm
Colour reproduction	:	0

Emergency Lighting

Light source from normal operation with reduced flux

Luminous flux : 10 lm

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Product data:

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

SYNERGY CLL

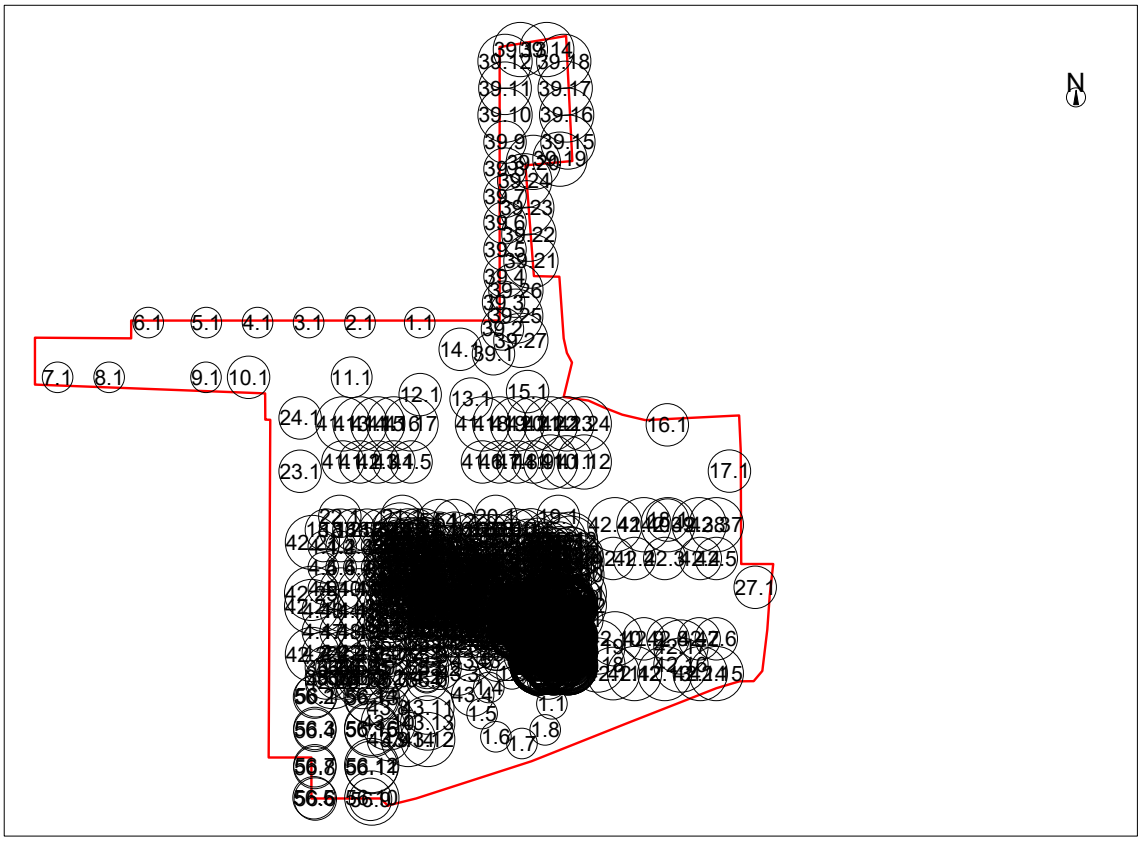
21 28E x 
Order No. : TPZ_NM_2x6W_MT -- Emergency Lighting --
Luminaire name : Topaz LED Twin Spot (Single Head)
Equipment : 1 x LED 3.5 W / 381.5 lm (0%)
Emergency : 381.5 lm

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Floor with luminaire and sensor positions:



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

		Centre point			Rotation angle			Target coordinates		
No.		X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
Cosmic Lighting Dione 1 4K 120W 90° CML0611										
		4.21	150.40	324.40	7.81	0.00	0.00	0.00	1150.40	324.40	0.00
		4.41	160.40	324.40	6.66	0.00	0.00	0.00	1160.40	324.40	0.00
		4.51	145.40	318.40	6.66	0.00	0.00	0.00	1145.40	318.40	0.00
		4.71	155.40	318.40	7.81	0.00	0.00	0.00	1155.40	318.40	0.00
		4.101	150.40	312.40	7.81	0.00	0.00	0.00	1150.40	312.40	0.00
		4.121	160.40	312.40	6.66	0.00	0.00	0.00	1160.40	312.40	0.00
		4.131	145.40	306.40	6.66	0.00	0.00	0.00	1145.40	306.40	0.00
		4.151	155.40	306.40	7.81	0.00	0.00	0.00	1155.40	306.40	0.00
		4.181	150.40	300.40	7.81	0.00	0.00	0.00	1150.40	300.40	0.00
		4.201	160.40	300.40	6.66	0.00	0.00	0.00	1160.40	300.40	0.00
		4.211	145.40	294.40	6.66	0.00	0.00	0.00	1145.40	294.40	0.00
		4.231	155.40	294.40	7.81	0.00	0.00	0.00	1155.40	294.40	0.00
Cosmic Lighting Dione 1 4K 120W 90° !CML0611-EM										
E		4.1	1145.40	324.40	6.66	0.00	0.00	0.00	1145.40	324.40	0.00
E		4.3	1155.40	324.40	7.81	0.00	0.00	0.00	1155.40	324.40	0.00
E		4.6	1150.40	318.40	7.81	0.00	0.00	0.00	1150.40	318.40	0.00
E		4.8	1160.40	318.40	6.66	0.00	0.00	0.00	1160.40	318.40	0.00
E		4.9	1145.40	312.40	6.66	0.00	0.00	0.00	1145.40	312.40	0.00
E		4.11	1155.40	312.40	7.81	0.00	0.00	0.00	1155.40	312.40	0.00
E		4.14	1150.40	306.40	7.81	0.00	0.00	0.00	1150.40	306.40	0.00
E		4.16	1160.40	306.40	6.66	0.00	0.00	0.00	1160.40	306.40	0.00
E		4.17	1145.40	300.40	6.66	0.00	0.00	0.00	1145.40	300.40	0.00
E		4.19	1155.40	300.40	7.81	0.00	0.00	0.00	1155.40	300.40	0.00
E		4.22	1150.40	294.40	7.81	0.00	0.00	0.00	1150.40	294.40	0.00
E		4.24	1160.40	294.40	6.66	0.00	0.00	0.00	1160.40	294.40	0.00
Cosmic Lighting IO 2 Highbay 45w 4K !CML0322										
		5.3	1186.96	317.10	6.81	0.00	0.00	0.00	1186.96	317.10	3.70
		5.5	1190.96	326.10	6.81	0.00	0.00	0.00	1190.96	326.10	0.29
		5.6	1190.96	321.60	6.81	0.00	0.00	0.00	1190.96	321.60	0.29
		5.7	1190.96	317.10	6.81	0.00	0.00	0.00	1190.96	317.10	3.70
		5.8	1190.96	312.60	6.81	0.00	0.00	0.00	1190.96	312.60	3.70
		5.11	1194.96	317.10	6.81	0.00	0.00	0.00	1194.96	317.10	3.70
		5.13	1198.96	326.10	6.81	0.00	0.00	0.00	1198.96	326.10	0.29
		5.14	1198.96	321.60	6.81	0.00	0.00	0.00	1198.96	321.60	0.29
		5.15	1198.96	317.10	6.81	0.00	0.00	0.00	1198.96	317.10	0.29
		5.20	1202.96	312.60	6.81	0.00	0.00	0.00	1202.96	312.60	0.29
		5.21	1186.96	323.75	6.81	0.00	0.00	0.00	1186.96	323.75	0.29
		5.22	1190.96	323.75	6.81	0.00	0.00	0.00	1190.96	323.75	0.29
		5.23	1194.96	323.75	6.81	0.00	0.00	0.00	1194.96	323.75	0.29
		5.24	1198.96	323.75	6.81	0.00	0.00	0.00	1198.96	323.75	0.29
		5.25	1202.96	323.75	6.81	0.00	0.00	0.00	1202.96	323.75	0.29
		5.27	1190.96	319.38	6.81	0.00	0.00	0.00	1190.96	319.38	3.70
		5.29	1198.96	319.38	6.81	0.00	0.00	0.00	1198.96	319.38	0.29
		5.30	1202.96	319.38	6.81	0.00	0.00	0.00	1202.96	319.38	0.29
		5.31	1186.96	314.78	6.81	0.00	0.00	0.00	1186.96	314.78	3.70
		5.32	1190.96	314.78	6.81	0.00	0.00	0.00	1190.96	314.78	3.70
		5.33	1194.96	314.78	6.81	0.00	0.00	0.00	1194.96	314.78	3.70
		5.34	1198.96	314.78	6.81	0.00	0.00	0.00	1198.96	314.78	0.29
		5.35	1202.96	314.78	6.81	0.00	0.00	0.00	1202.96	314.78	0.29
Cosmic Lighting IO 2 Highbay 45w 4K !CML0322-EMI										
E		5.1	1186.96	326.10	6.81	0.00	0.00	0.00	1186.96	326.10	0.29
E		5.2	1186.96	321.60	6.81	0.00	0.00	0.00	1186.96	321.60	0.29
E		5.4	1186.96	312.60	6.81	0.00	0.00	0.00	1186.96	312.60	3.70
E		5.9	1194.96	326.10	6.81	0.00	0.00	0.00	1194.96	326.10	0.29
E		5.10	1194.96	321.60	6.81	0.00	0.00	0.00	1194.96	321.60	0.29
E		5.12	1194.96	312.60	6.81	0.00	0.00	0.00	1194.96	312.60	3.70

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E	5.161198.96	312.60	6.81	0.00	0.00	0.00	1198.96	312.60	0.29
E	5.171202.96	326.10	6.81	0.00	0.00	0.00	1202.96	326.10	0.29
E	5.181202.96	321.60	6.81	0.00	0.00	0.00	1202.96	321.60	0.29
E	5.191202.96	317.10	6.81	0.00	0.00	0.00	1202.96	317.10	0.29
E	5.261186.96	319.38	6.81	0.00	0.00	0.00	1186.96	319.38	3.70
E	5.281194.96	319.38	6.81	0.00	0.00	0.00	1194.96	319.38	3.70
Cosmic Lighting Pluto 1 4K 10W CML0324									
	46.31209.71	310.08	3.47	0.00	0.00	0.00	1209.71	310.08	1.00
	46.51213.71	310.08	3.47	0.00	0.00	0.00	1213.71	310.08	1.00
Cosmic Lighting Pluto 1 4K 10W !CML0324-EMI									
E	46.21207.71	310.08	3.47	0.00	0.00	0.00	1207.71	310.08	1.00
E	46.41211.71	310.08	3.47	0.00	0.00	0.00	1211.71	310.08	1.00
E	46.61215.71	310.08	3.47	0.00	0.00	0.00	1215.71	310.08	1.00
Cosmic Lighting Planet 2 4K 23W 600x600 CML0532									
	7.11189.75	317.76	3.49	0.00	0.00	0.00	1189.75	317.76	0.29
	7.41191.55	320.16	3.49	0.00	0.00	0.00	1191.55	320.16	0.29
	8.11188.00	318.00	3.49	0.00	0.00	0.00	1188.00	318.00	0.29
	8.41185.60	316.80	3.49	0.00	0.00	0.00	1185.60	316.80	0.29
	9.11193.40	318.00	3.49	0.00	0.00	0.00	1193.40	318.00	0.29
	9.41195.20	316.80	3.49	0.00	0.00	0.00	1195.20	316.80	0.29
	10.11189.80	315.60	3.49	0.00	0.00	0.00	1189.80	315.60	0.29
	11.21188.17	307.20	3.49	0.00	0.00	0.00	1188.17	307.20	0.29
	11.31190.57	307.20	3.49	0.00	0.00	0.00	1190.56	307.20	0.29
	11.51195.37	307.20	3.49	0.00	0.00	0.00	1195.36	307.20	0.29
	11.61185.77	310.20	3.49	0.00	0.00	0.00	1185.77	310.20	0.29
	11.71188.17	310.20	3.49	0.00	0.00	0.00	1188.17	310.20	0.29
	11.81190.57	310.20	3.49	0.00	0.00	0.00	1190.56	310.20	0.29
	11.91192.97	310.20	3.49	0.00	0.00	0.00	1192.96	310.20	0.29
	11.101195.37	310.20	3.49	0.00	0.00	0.00	1195.36	310.20	0.29
	11.111185.77	313.20	3.49	0.00	0.00	0.00	1185.77	313.20	0.29
	11.131190.57	313.20	3.49	0.00	0.00	0.00	1190.56	313.20	0.29
	11.151195.37	313.20	3.49	0.00	0.00	0.00	1195.36	313.20	0.29
	12.21188.17	299.18	3.49	0.00	0.00	0.00	1188.17	299.18	0.29
	12.31190.57	299.18	3.49	0.00	0.00	0.00	1190.56	299.18	0.29
	12.51195.37	299.18	3.49	0.00	0.00	0.00	1195.36	299.18	0.29
	12.61185.77	302.18	3.49	0.00	0.00	0.00	1185.77	302.18	0.29
	12.71188.17	302.18	3.49	0.00	0.00	0.00	1188.17	302.18	0.29
	12.81190.57	302.18	3.49	0.00	0.00	0.00	1190.56	302.18	0.29
	12.91192.97	302.18	3.49	0.00	0.00	0.00	1192.96	302.18	0.29
	12.101195.37	302.18	3.49	0.00	0.00	0.00	1195.36	302.18	0.29
	12.111185.77	305.18	3.49	0.00	0.00	0.00	1185.77	305.18	0.29
	12.131190.57	305.18	3.49	0.00	0.00	0.00	1190.56	305.18	0.29
	12.151195.37	305.18	3.49	0.00	0.00	0.00	1195.36	305.18	0.29
	13.21210.11	314.41	3.49	0.00	0.00	0.00	1210.11	314.41	0.29
	13.41212.51	314.41	3.49	0.00	0.00	0.00	1212.51	314.41	0.29
	14.21208.91	319.81	2.99	0.00	0.00	0.00	1208.91	319.81	0.29
	14.31211.91	319.81	2.99	0.00	0.00	0.00	1211.91	319.81	0.29
	14.61208.91	318.01	2.99	0.00	0.00	0.00	1208.91	318.01	0.29
	14.71211.91	318.01	2.99	0.00	0.00	0.00	1211.91	318.01	0.29
	15.11205.91	321.61	2.99	0.00	0.00	0.00	1205.91	321.61	0.29
	15.31211.91	321.61	2.99	0.00	0.00	0.00	1211.91	321.61	0.29
	15.41214.91	321.61	2.99	0.00	0.00	0.00	1214.91	321.61	0.29
	15.51205.91	324.01	2.99	0.00	0.00	0.00	1205.91	324.01	0.29
	15.61208.91	324.01	2.99	0.00	0.00	0.00	1208.91	324.01	0.29
	15.71211.91	324.01	2.99	0.00	0.00	0.00	1211.91	324.01	0.29
	15.101208.91	326.41	2.99	0.00	0.00	0.00	1208.91	326.41	0.29
	15.111211.91	326.41	2.99	0.00	0.00	0.00	1211.91	326.41	0.29
	15.121214.91	326.41	2.99	0.00	0.00	0.00	1214.91	326.41	0.29
	19.21168.09	319.63	3.49	0.00	0.00	0.00	1168.09	319.63	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

19.31170.49	319.63	3.49	0.00	0.00	0.00	1170.49	319.63	0.00
19.41172.89	319.63	3.49	0.00	0.00	0.00	1172.89	319.63	0.00
19.51165.69	317.23	3.49	0.00	0.00	0.00	1165.69	317.23	0.00
19.61168.09	317.23	3.49	0.00	0.00	0.00	1168.09	317.23	0.00
19.71170.49	317.23	3.49	0.00	0.00	0.00	1170.49	317.23	0.00
19.91165.69	314.83	3.49	0.00	0.00	0.00	1165.69	314.83	0.00
19.111170.49	314.83	3.49	0.00	0.00	0.00	1170.49	314.83	0.00
19.121172.89	314.83	3.49	0.00	0.00	0.00	1172.89	314.83	0.00
19.131165.69	312.43	3.49	0.00	0.00	0.00	1165.69	312.43	0.00
19.141168.09	312.43	3.49	0.00	0.00	0.00	1168.09	312.43	0.00
19.151170.49	312.43	3.49	0.00	0.00	0.00	1170.49	312.43	0.00
36.21146.24	290.36	3.28	0.00	0.00	0.00	1146.24	290.36	0.00
36.31149.24	287.36	3.28	0.00	0.00	0.00	1149.24	287.36	0.00
36.41149.24	290.36	3.28	0.00	0.00	0.00	1149.24	290.36	0.00
36.51152.24	287.36	3.28	0.00	0.00	0.00	1152.24	287.36	0.00
36.71155.24	287.36	3.28	0.00	0.00	0.00	1155.24	287.36	0.00
36.81155.24	290.36	3.28	0.00	0.00	0.00	1155.24	290.36	0.00
36.101158.24	290.36	3.28	0.00	0.00	0.00	1158.24	290.36	0.00
Cosmic Lighting Planet 2 4K 23W 600x600 !CML0532-EM								
E 7.21189.75	320.16	3.49	0.00	0.00	0.00	1189.75	320.16	0.29
E 7.31191.55	317.76	3.49	0.00	0.00	0.00	1191.55	317.76	0.29
E 8.21188.00	315.60	3.49	0.00	0.00	0.00	1188.00	315.60	0.29
E 8.31185.60	319.80	3.49	0.00	0.00	0.00	1185.60	319.80	0.29
E 9.21193.40	315.60	3.49	0.00	0.00	0.00	1193.40	315.60	0.29
E 9.31195.20	319.80	3.49	0.00	0.00	0.00	1195.20	319.80	0.29
E 10.21191.60	315.60	3.49	0.00	0.00	0.00	1191.60	315.60	0.29
E 11.11185.77	307.20	3.49	0.00	0.00	0.00	1185.77	307.20	0.29
E 11.41192.97	307.20	3.49	0.00	0.00	0.00	1192.96	307.20	0.29
E 11.121188.17	313.20	3.49	0.00	0.00	0.00	1188.17	313.20	0.29
E 11.141192.97	313.20	3.49	0.00	0.00	0.00	1192.96	313.20	0.29
E 12.11185.77	299.18	3.49	0.00	0.00	0.00	1185.77	299.18	0.29
E 12.41192.97	299.18	3.49	0.00	0.00	0.00	1192.96	299.18	0.29
E 12.121188.17	305.18	3.49	0.00	0.00	0.00	1188.17	305.18	0.29
E 12.141192.97	305.18	3.49	0.00	0.00	0.00	1192.96	305.18	0.29
E 13.11207.71	314.41	3.49	0.00	0.00	0.00	1207.71	314.41	0.29
E 13.31214.91	314.41	3.49	0.00	0.00	0.00	1214.91	314.41	0.29
E 14.11205.91	319.81	2.99	0.00	0.00	0.00	1205.91	319.81	0.29
E 14.41214.91	319.81	2.99	0.00	0.00	0.00	1214.91	319.81	0.29
E 14.51205.91	318.01	2.99	0.00	0.00	0.00	1205.91	318.01	0.29
E 14.81214.91	318.01	2.99	0.00	0.00	0.00	1214.91	318.01	0.29
E 15.21208.91	321.61	2.99	0.00	0.00	0.00	1208.91	321.61	0.29
E 15.81214.91	324.01	2.99	0.00	0.00	0.00	1214.91	324.01	0.29
E 15.91205.91	326.41	2.99	0.00	0.00	0.00	1205.91	326.41	0.29
E 19.11165.69	319.63	3.49	0.00	0.00	0.00	1165.69	319.63	0.00
E 19.81172.89	317.23	3.49	0.00	0.00	0.00	1172.89	317.23	0.00
E 19.101168.09	314.83	3.49	0.00	0.00	0.00	1168.09	314.83	0.00
E 19.161172.89	312.43	3.49	0.00	0.00	0.00	1172.89	312.43	0.00
E 36.11146.24	287.36	3.28	0.00	0.00	0.00	1146.24	287.36	0.00
E 36.61152.24	290.36	3.28	0.00	0.00	0.00	1152.24	290.36	0.00
E 36.91158.24	287.36	3.28	0.00	0.00	0.00	1158.24	287.36	0.00
Cosmic Lighting Pluto 1 4K 18W CML0326								
6.21188.14	329.10	2.80	0.00	0.00	0.00	1188.14	329.10	0.16
6.71192.64	329.10	2.80	0.00	0.00	0.00	1192.64	329.10	0.16
6.91197.14	329.10	2.80	0.00	0.00	0.00	1197.14	329.10	0.17
6.111201.64	329.10	2.80	0.00	0.00	0.00	1201.64	329.10	0.17
29.31171.50	329.05	3.23	0.00	0.00	0.00	1171.50	329.05	0.05
29.51164.75	326.55	3.25	0.00	0.00	0.00	1164.75	326.55	0.00
29.61169.25	326.55	3.25	0.00	0.00	0.00	1169.25	326.55	0.00
29.81173.75	326.55	3.25	0.00	0.00	0.00	1173.75	326.55	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

29.111171.50	324.30	3.25	0.00	0.00	0.00	1171.50	324.30	0.00
29.131167.00	329.05	3.23	0.00	0.00	0.00	1167.00	329.05	0.05
29.151167.00	324.30	3.25	0.00	0.00	0.00	1167.00	324.30	0.00
29.161169.25	322.05	3.25	0.00	0.00	0.00	1169.25	322.05	0.00
29.181173.75	322.05	3.25	0.00	0.00	0.00	1173.75	322.05	0.00
30.21166.25	310.00	3.44	0.00	0.00	0.00	1166.25	310.00	0.00
30.31169.75	310.00	3.44	0.00	0.00	0.00	1169.75	310.00	0.00
Cosmic Lighting Pluto 1 4K 18W !CML0326-EMI								
E 6.11185.89	329.10	2.80	0.00	0.00	0.00	1185.89	329.10	0.16
E 6.61190.39	329.10	2.80	0.00	0.00	0.00	1190.39	329.10	0.16
E 6.81194.89	329.10	2.80	0.00	0.00	0.00	1194.89	329.10	0.17
E 6.101199.39	329.10	2.80	0.00	0.00	0.00	1199.39	329.10	0.17
E 6.121187.98	320.53	2.80	0.00	0.00	0.00	1187.98	320.53	0.29
E 6.131193.39	320.53	2.80	0.00	0.00	0.00	1193.39	320.53	0.29
E 6.141203.89	329.10	2.80	0.00	0.00	0.00	1203.89	329.10	0.17
E 29.11164.75	329.05	3.23	0.00	0.00	0.00	1164.75	329.05	0.05
E 29.21169.25	329.05	3.23	0.00	0.00	0.00	1169.25	329.05	0.05
E 29.41173.75	329.05	3.25	0.00	0.00	0.00	1173.75	329.05	3.24
E 29.71171.50	326.55	3.25	0.00	0.00	0.00	1171.50	326.55	0.00
E 29.91164.75	324.30	3.25	0.00	0.00	0.00	1164.75	324.30	0.00
E 29.101169.25	324.30	3.25	0.00	0.00	0.00	1169.25	324.30	0.00
E 29.121173.75	324.30	3.25	0.00	0.00	0.00	1173.75	324.30	0.00
E 29.141167.00	326.55	3.25	0.00	0.00	0.00	1167.00	326.55	0.00
E 29.171171.50	322.05	3.25	0.00	0.00	0.00	1171.50	322.05	0.00
E 29.191167.00	322.05	3.25	0.00	0.00	0.00	1167.00	322.05	0.00
E 30.11164.50	310.00	3.44	0.00	0.00	0.00	1164.50	310.00	0.00
E 30.41171.50	310.00	3.44	0.00	0.00	0.00	1171.50	310.00	0.00
E 30.51168.00	310.00	3.44	0.00	0.00	0.00	1168.00	310.00	0.00
E 46.11205.42	310.08	3.47	0.00	0.00	0.00	1205.42	310.08	0.29
Cosmic Lighting Mars I - IP65 Battern 36w 4K CML0045								
18.21150.25	329.00	3.03	270.00	0.00	0.00	1150.25	329.00	0.05
18.31157.75	329.00	3.03	270.00	0.00	0.00	1157.75	329.00	0.05
Cosmic Lighting Mars I - IP65 Battern 36w 4K !CML0045-EM								
E 18.11146.25	329.00	3.03	270.00	0.00	0.00	1146.25	329.00	0.05
E 18.41161.50	329.00	3.03	270.00	0.00	0.00	1161.50	329.00	0.05
E 18.51154.00	329.00	3.03	270.00	0.00	0.00	1154.00	329.00	0.05
Cosmic Lighting Meteor 1 4K 20W CML0098-WB								
20.11177.04	324.39	4.92	0.00	0.00	0.00	1177.04	324.39	0.00
20.21179.04	324.39	4.92	0.00	0.00	0.00	1179.04	324.39	0.00
20.31181.04	324.39	4.92	0.00	0.00	0.00	1181.04	324.39	0.00
20.41183.04	324.39	4.92	0.00	0.00	0.00	1183.04	324.39	0.00
20.51177.04	321.89	4.92	0.00	0.00	0.00	1177.04	321.89	0.00
20.61179.04	321.89	4.92	0.00	0.00	0.00	1179.04	321.89	0.00
20.71181.04	321.89	4.92	0.00	0.00	0.00	1181.04	321.89	0.00
20.81183.04	321.89	4.92	0.00	0.00	0.00	1183.04	321.89	0.00
20.91177.04	319.39	4.92	0.00	0.00	0.00	1177.04	319.39	0.00
20.101179.04	319.39	4.92	0.00	0.00	0.00	1179.04	319.39	0.00
20.111181.04	319.39	4.92	0.00	0.00	0.00	1181.04	319.39	0.00
20.121183.04	319.39	4.92	0.00	0.00	0.00	1183.04	319.39	0.00
20.131177.04	316.89	4.92	0.00	0.00	0.00	1177.04	316.89	0.00
20.141179.04	316.89	4.92	0.00	0.00	0.00	1179.04	316.89	0.00
20.151181.04	316.89	4.92	0.00	0.00	0.00	1181.04	316.89	0.00
20.161183.04	316.89	4.92	0.00	0.00	0.00	1183.04	316.89	0.00
20.171177.04	314.39	4.92	0.00	0.00	0.00	1177.04	314.39	0.00
20.181179.04	314.39	4.92	0.00	0.00	0.00	1179.04	314.39	0.00
20.191181.04	314.39	4.92	0.00	0.00	0.00	1181.04	314.39	0.00
20.201183.04	314.39	4.92	0.00	0.00	0.00	1183.04	314.39	0.00
20.211177.04	311.89	4.92	0.00	0.00	0.00	1177.04	311.89	0.00
20.221179.04	311.89	4.92	0.00	0.00	0.00	1179.04	311.89	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

20.231181.04	311.89	4.92	0.00	0.00	0.00	1181.04	311.89	0.00
20.241183.04	311.89	4.92	0.00	0.00	0.00	1183.04	311.89	0.00
20.251177.04	308.39	4.92	0.00	0.00	0.00	1177.04	308.39	0.00
20.261179.04	308.39	4.92	0.00	0.00	0.00	1179.04	308.39	0.00
20.271181.04	308.39	4.92	0.00	0.00	0.00	1181.04	308.39	0.00
20.281183.04	308.39	4.92	0.00	0.00	0.00	1183.04	308.39	0.00
20.291177.04	305.89	4.92	0.00	0.00	0.00	1177.04	305.89	0.00
20.301179.04	305.89	4.92	0.00	0.00	0.00	1179.04	305.89	0.00
20.311181.04	305.89	4.92	0.00	0.00	0.00	1181.04	305.89	0.00
20.321183.04	305.89	4.92	0.00	0.00	0.00	1183.04	305.89	0.00
20.331177.04	303.39	4.92	0.00	0.00	0.00	1177.04	303.39	0.00
20.341179.04	303.39	4.92	0.00	0.00	0.00	1179.04	303.39	0.00
20.351181.04	303.39	4.92	0.00	0.00	0.00	1181.04	303.39	0.00
20.361183.04	303.39	4.92	0.00	0.00	0.00	1183.04	303.39	0.00
20.371177.04	300.89	4.92	0.00	0.00	0.00	1177.04	300.89	0.00
20.381179.04	300.89	4.92	0.00	0.00	0.00	1179.04	300.89	0.00
20.391181.04	300.89	4.92	0.00	0.00	0.00	1181.04	300.89	0.00
20.401183.04	300.89	4.92	0.00	0.00	0.00	1183.04	300.89	0.00
Cosmic Lighting Universe 1 TRI 200W CML0730								
53.11163.50	306.16	2.51	0.00	0.00	-120.00	1165.21	306.16	3.50
53.21163.50	301.85	2.51	0.00	0.00	-120.00	1165.21	301.85	3.50
53.31175.04	306.16	2.51	0.00	0.00	120.00	1173.33	306.16	3.50
53.41175.04	301.85	2.51	0.00	0.00	120.00	1173.33	301.85	3.50
55.11164.02	297.00	2.51	0.00	0.00	-120.00	1167.39	297.00	4.46
55.21164.02	290.32	2.51	0.00	0.00	-120.00	1167.39	290.32	4.46
55.31164.02	287.00	2.51	0.00	0.00	-120.00	1167.39	287.00	4.46
55.41174.65	297.00	2.51	0.00	0.00	120.00	1170.04	297.00	5.18
55.51174.65	290.32	2.51	0.00	0.00	120.00	1170.04	290.32	5.18
55.61174.65	287.00	2.51	0.00	0.00	120.00	1170.04	287.00	5.18
55.71164.02	293.74	2.51	0.00	0.00	-120.00	1167.39	293.74	4.46
55.81174.65	293.74	2.51	0.00	0.00	120.00	1170.04	293.74	5.18
56.11143.27	282.35	7.98	255.00	0.00	0.00	1143.28	282.35	1.61
56.21142.92	282.00	7.98	195.00	0.00	0.00	1142.92	282.00	1.63
56.31143.00	273.18	7.98	300.00	0.00	0.00	1143.00	273.18	1.66
56.41143.00	272.68	7.98	240.00	0.00	0.00	1143.00	272.68	1.66
56.51142.79	253.66	7.98	345.00	0.00	0.00	1142.79	253.66	0.00
56.61143.14	253.31	7.98	285.00	0.00	0.00	1143.10	253.30	0.00
56.71143.00	262.68	7.98	300.00	0.00	0.00	1143.00	262.68	0.20
56.81143.00	262.18	7.98	240.00	0.00	0.00	1143.00	262.18	1.66
56.91158.70	253.22	7.98	75.00	0.00	0.00	1158.70	253.20	0.00
56.101159.06	253.57	7.98	15.00	0.00	0.00	1159.06	253.57	1.63
56.111158.98	262.24	7.98	120.00	0.00	0.00	1158.98	262.24	0.20
56.121158.98	262.74	7.98	60.00	0.00	0.00	1158.98	262.74	1.66
56.131159.19	281.91	7.98	165.00	0.00	0.00	1159.19	281.91	0.10
56.141158.83	282.26	7.98	105.00	0.00	0.00	1158.83	282.26	1.76
56.151158.98	272.74	7.98	120.00	0.00	0.00	1158.98	272.74	1.65
56.161158.98	273.24	7.98	60.00	0.00	0.00	1158.98	273.24	1.68
Cosmic Lighting Eris 3 4K 20W 160Dia CML0719								
20.411176.99	310.32	3.34	0.00	0.00	0.00	1176.99	310.32	0.00
20.421179.06	310.32	3.34	0.00	0.00	0.00	1179.06	310.32	0.00
20.431181.09	310.32	3.34	0.00	0.00	0.00	1181.09	310.32	0.00
20.441183.09	310.32	3.34	0.00	0.00	0.00	1183.09	310.32	0.00
32.21167.00	310.00	6.94	0.00	0.00	0.00	1167.00	310.00	3.70
32.41172.00	310.00	6.94	0.00	0.00	0.00	1172.00	310.00	3.70
32.61176.33	310.00	6.94	0.00	0.00	0.00	1176.33	310.00	3.70
32.91183.83	310.00	6.18	0.00	0.00	0.00	1183.83	310.00	3.70
32.111188.50	310.00	6.94	0.00	0.00	0.00	1188.50	310.00	3.70
32.131193.50	310.00	6.94	0.00	0.00	0.00	1193.50	310.00	3.70
32.151198.50	310.00	6.94	0.00	0.00	0.00	1198.50	310.00	3.70

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

32.171203.50	310.00	6.94	0.00	0.00	0.00	1203.50	310.00	3.70
32.191208.50	310.00	6.94	0.00	0.00	0.00	1208.50	310.00	3.70
32.211164.50	312.50	6.77	0.00	0.00	0.00	1164.50	312.50	3.70
32.231164.50	317.50	6.77	0.00	0.00	0.00	1164.50	317.50	3.70
32.251164.50	307.50	6.65	0.00	0.00	0.00	1164.50	307.50	3.75
32.271164.50	302.50	6.79	0.00	0.00	0.00	1164.50	302.50	3.75
32.291213.21	310.00	6.26	0.00	0.00	0.00	1213.20	310.00	3.70
Cosmic Lighting Eris 3 4K 20W 160Dia !CML0719-EMI								
E 32.11164.50	310.00	6.94	0.00	0.00	0.00	1164.50	310.00	3.70
E 32.31169.50	310.00	6.94	0.00	0.00	0.00	1169.50	310.00	3.70
E 32.51174.50	310.00	6.94	0.00	0.00	0.00	1174.50	310.00	3.70
E 32.71178.83	310.00	6.94	0.00	0.00	0.00	1178.83	310.00	3.70
E 32.81181.33	310.00	6.77	0.00	0.00	0.00	1181.33	310.00	3.70
E 32.101186.00	310.00	6.94	0.00	0.00	0.00	1186.00	310.00	6.80
E 32.121191.00	310.00	6.94	0.00	0.00	0.00	1191.00	310.00	3.70
E 32.141196.00	310.00	6.94	0.00	0.00	0.00	1196.00	310.00	3.70
E 32.161201.00	310.00	6.94	0.00	0.00	0.00	1201.00	310.00	3.70
E 32.181206.00	310.00	6.94	0.00	0.00	0.00	1206.00	310.00	3.70
E 32.201211.00	310.00	6.67	0.00	0.00	0.00	1211.00	310.00	3.70
E 32.221164.50	315.00	6.77	0.00	0.00	0.00	1164.50	315.00	3.70
E 32.241164.50	320.00	6.77	0.00	0.00	0.00	1164.50	320.00	3.70
E 32.261164.50	305.00	6.79	0.00	0.00	0.00	1164.50	305.00	3.75
E 32.281164.50	300.00	6.79	0.00	0.00	0.00	1164.50	300.00	3.75
E 32.301215.71	310.00	5.56	0.00	0.00	0.00	1215.70	310.00	3.70
E 34.11173.38	307.25	6.70	0.00	0.00	0.00	1173.38	307.25	3.75
E 34.21173.38	304.35	6.70	0.00	0.00	0.00	1173.38	304.35	3.75
E 34.31173.38	300.79	6.70	0.00	0.00	0.00	1173.38	300.79	3.75
Cosmic Lighting Callisto 1 Opal 2528mm 4K CML0182-OP								
24.11166.61	307.01	6.96	0.00	0.00	0.00	1166.61	307.01	3.75
24.31166.61	304.01	6.96	0.00	0.00	0.00	1166.61	304.01	3.75
24.41170.11	304.01	7.96	0.00	0.00	0.00	1170.11	304.01	3.75
24.51166.61	301.01	6.96	0.00	0.00	0.00	1166.61	301.01	3.75
37.11166.00	325.00	6.96	0.00	0.00	0.00	1166.00	325.00	3.70
37.31171.50	325.00	8.46	0.00	0.00	0.00	1171.50	325.00	3.70
37.41166.00	321.00	6.96	0.00	0.00	0.00	1166.00	321.00	3.70
37.51168.58	321.00	7.96	0.00	0.00	0.00	1168.58	321.00	3.70
37.61171.50	321.00	8.46	0.00	0.00	0.00	1171.50	321.00	3.70
37.71166.00	317.00	6.96	0.00	0.00	0.00	1166.00	317.00	3.70
37.81168.58	317.00	7.96	0.00	0.00	0.00	1168.58	317.00	3.70
37.91171.50	317.00	8.46	0.00	0.00	0.00	1171.50	317.00	3.70
37.101166.00	313.00	6.96	0.00	0.00	0.00	1166.00	313.00	3.70
37.121171.50	313.00	8.46	0.00	0.00	0.00	1171.50	313.00	3.70
37.141174.08	321.00	7.96	0.00	0.00	0.00	1174.08	321.00	3.70
37.151174.08	317.00	7.96	0.00	0.00	0.00	1174.08	317.00	3.70
Cosmic Lighting Callisto 1 Opal 2528mm 4K !CML0182-OP-EMI								
E 24.21170.11	307.01	7.96	0.00	0.00	0.00	1170.11	307.01	3.75
E 24.61170.11	301.01	7.96	0.00	0.00	0.00	1170.11	301.01	3.75
E 37.21168.58	325.00	7.96	0.00	0.00	0.00	1168.58	325.00	3.70
E 37.111168.58	313.00	7.96	0.00	0.00	0.00	1168.58	313.00	3.70
E 37.131174.08	325.00	7.96	0.00	0.00	0.00	1174.08	325.00	3.70
E 37.161174.08	313.00	7.96	0.00	0.00	0.00	1174.08	313.00	3.70
Cosmic Lighting Callisto 1 Low Glare 2528mm 4K CML0183-LG								
26.11186.00	307.10	6.46	0.00	0.00	0.00	1186.00	307.10	3.70
26.31186.00	300.60	6.46	0.00	0.00	0.00	1186.00	300.60	3.70
26.51192.00	307.10	7.96	0.00	0.00	0.00	1192.00	307.10	3.70
26.61192.00	300.60	7.96	0.00	0.00	0.00	1192.00	300.60	3.70
26.91186.00	303.88	6.46	0.00	0.00	0.00	1186.00	303.88	3.70
26.101189.00	303.88	7.46	0.00	0.00	0.00	1189.00	303.88	3.70
26.111192.00	303.88	7.96	0.00	0.00	0.00	1192.00	303.88	3.70

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

26.121195.00	303.88	7.46	0.00	0.00	0.00	1195.00	303.88	3.70
28.11211.25	314.50	6.46	0.00	0.00	0.00	1211.25	314.50	3.70
28.21214.25	314.50	5.71	0.00	0.00	0.00	1214.25	314.50	3.70
38.11206.00	325.32	7.96	0.00	0.00	0.00	1206.00	325.33	3.70
38.31206.00	318.95	7.96	0.00	0.00	0.00	1206.00	318.95	3.70
38.41209.00	318.95	7.17	0.00	0.00	0.00	1209.00	318.95	3.70
38.51212.00	325.32	6.62	0.00	0.00	0.00	1212.00	325.33	3.70
38.71206.00	314.75	7.96	0.00	0.00	0.00	1206.00	314.75	3.70
38.91206.00	322.10	7.96	0.00	0.00	0.00	1206.00	322.10	3.70
38.101209.00	322.10	7.17	0.00	0.00	0.00	1209.00	322.10	3.70
38.111212.00	322.10	6.62	0.00	0.00	0.00	1212.00	322.10	3.70
38.131215.00	318.95	5.96	0.00	0.00	0.00	1215.00	318.95	5.89
38.141215.00	322.10	5.96	0.00	0.00	0.00	1215.00	322.10	5.89

Cosmic Lighting Callisto 1 Low Glare 2528mm 4K !CML0183-LG-EMI

E 26.21189.00	307.10	7.46	0.00	0.00	0.00	1189.00	307.10	3.70
E 26.41189.00	300.60	7.46	0.00	0.00	0.00	1189.00	300.60	3.70
E 26.71195.00	307.10	7.46	0.00	0.00	0.00	1195.00	307.10	3.70
E 26.81195.00	300.60	7.46	0.00	0.00	0.00	1195.00	300.60	3.70
E 28.31212.75	314.50	5.96	0.00	0.00	0.00	1212.75	314.50	3.70
E 38.21209.00	325.32	7.17	0.00	0.00	0.00	1209.00	325.33	3.70
E 38.61212.00	318.95	6.62	0.00	0.00	0.00	1212.00	318.95	3.70
E 38.81209.00	314.75	7.17	0.00	0.00	0.00	1209.00	314.75	3.70
E 38.121215.00	325.32	5.96	0.00	0.00	0.00	1215.00	325.33	5.89

Cosmic Lighting Space 2 Dome Louvre 19W Bollard CML0756

39.11193.29	378.64	0.94	0.00	0.00	0.00	1193.29	381.08	0.10
39.21195.83	385.60	0.94	0.00	0.00	0.00	1195.83	388.04	0.10
39.31196.11	393.16	0.94	0.00	0.00	0.00	1196.11	395.60	0.10
39.41196.55	400.45	0.94	0.00	0.00	0.00	1196.55	403.18	0.00
39.51196.55	407.95	0.94	0.00	0.00	0.00	1196.55	410.69	0.00
39.61196.55	415.52	0.94	0.00	0.00	0.00	1196.55	418.25	0.00
39.71196.55	422.97	0.94	0.00	0.00	0.00	1196.55	425.70	0.00
39.81196.55	430.64	0.94	0.00	0.00	0.00	1196.55	433.38	0.00
39.91196.55	438.21	0.94	0.00	0.00	0.00	1196.55	440.94	0.00
39.101196.55	445.82	0.94	0.00	0.00	0.00	1196.55	448.56	0.00
39.111196.55	453.39	0.94	0.00	0.00	0.00	1196.55	456.12	0.00
39.121196.55	460.95	0.94	0.00	0.00	0.00	1196.55	463.68	0.00
39.131200.86	464.26	0.94	0.00	0.00	0.00	1200.90	467.00	0.00
39.141208.31	464.26	0.94	0.00	0.00	0.00	1208.31	466.99	0.00
39.151214.26	438.22	0.94	3.00	0.00	0.00	1214.12	440.95	0.00
39.161213.86	445.83	0.94	3.00	0.00	0.00	1213.72	448.56	0.00
39.171213.46	453.38	0.94	3.00	0.00	0.00	1213.32	456.11	0.00
39.181213.07	460.93	0.94	3.00	0.00	0.00	1212.93	463.66	0.00
39.191212.00	433.42	0.94	3.00	0.00	0.00	1211.85	436.15	0.00
39.201204.49	432.54	0.94	3.00	0.00	0.00	1204.35	435.27	0.00
39.211203.81	404.73	0.94	4.34	0.00	0.00	1203.60	407.45	0.00
39.221203.24	412.27	0.94	4.34	0.00	0.00	1203.03	415.00	0.00
39.231202.67	419.70	0.94	4.34	0.00	0.00	1202.47	422.43	0.00
39.241202.09	427.35	0.94	4.34	0.00	0.00	1201.89	430.08	0.00
39.251199.55	389.20	0.94	3.05	0.00	0.00	1199.41	391.79	0.05
39.261199.60	396.50	0.94	3.05	0.00	0.00	1199.47	398.94	0.10
39.271201.00	382.40	0.94	0.00	0.00	0.00	1201.00	384.85	0.10
43.11178.26	296.34	0.94	0.00	0.00	0.00	1178.26	299.07	0.00
43.21178.26	290.09	0.94	0.00	0.00	0.00	1178.26	292.53	0.10
43.31183.52	288.48	0.94	0.00	0.00	0.00	1183.52	290.93	0.10
43.41187.45	282.59	0.94	0.00	0.00	0.00	1187.45	285.04	0.10
1.11209.72	280.10	0.94	8.01	0.00	0.00	1209.36	282.67	0.05
1.21205.87	286.64	0.94	53.01	0.00	0.00	1203.85	288.16	0.07
1.31198.53	288.53	0.94	98.01	0.00	0.00	1195.97	288.17	0.05

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

1.41192.00	284.68	0.94	143.01	0.00	0.00	1190.53	282.73	0.10
1.51190.10	277.34	0.94	188.01	0.00	0.00	1190.46	274.78	0.05
1.61193.95	270.81	0.94	233.01	0.00	0.00	1196.02	269.25	0.05
1.71201.29	268.91	0.94	278.01	0.00	0.00	1203.85	269.27	0.05
1.81207.82	272.76	0.94	323.01	0.00	0.00	1209.38	274.83	0.05
43.51187.21	292.37	0.94	0.00	0.00	0.00	1187.21	294.81	0.10
43.61194.59	292.37	0.94	0.00	0.00	0.00	1194.59	294.81	0.10
43.71208.65	287.38	0.94	0.00	0.00	0.00	1208.65	288.41	0.58
43.81163.67	278.96	0.94	0.00	0.00	0.00	1163.67	280.17	0.52
43.91163.67	270.04	0.94	0.00	0.00	0.00	1163.67	272.48	0.10
43.101163.67	274.70	0.94	0.00	0.00	0.00	1163.67	277.14	0.10
43.111174.76	278.96	0.94	0.00	0.00	0.00	1174.76	280.17	0.52
43.121174.76	270.04	0.94	0.00	0.00	0.00	1174.76	272.48	0.10
43.131174.76	274.70	0.94	0.00	0.00	0.00	1174.76	277.14	0.10
43.141169.31	270.04	0.94	0.00	0.00	0.00	1169.31	272.66	0.04
43.151203.74	294.29	0.94	0.00	0.00	0.00	1203.74	296.73	0.10
43.161197.29	294.29	0.94	0.00	0.00	0.00	1197.30	296.73	0.10
54.11178.01	331.68	0.94	0.00	0.00	0.00	1178.01	334.27	0.05
54.21182.32	331.68	0.94	0.00	0.00	0.00	1182.32	334.27	0.05
54.31178.01	328.11	0.94	0.00	0.00	0.00	1178.01	330.70	0.05
54.41182.32	328.11	0.94	0.00	0.00	0.00	1182.32	330.70	0.05
Cosmic Lighting QST3-PRO-70/80/90/100-TC/FX (80W) .								
1.11172.54	387.43	5.95	270.00	0.00	0.00	1172.54	385.85	0.05
2.11155.72	387.43	5.95	270.00	0.00	0.00	1155.71	385.85	0.05
3.11141.27	387.43	5.95	270.00	0.00	0.00	1141.27	385.85	0.05
4.11126.89	387.43	5.95	270.00	0.00	0.00	1126.89	385.85	0.05
5.11112.45	387.43	5.95	270.00	0.00	0.00	1112.45	385.85	0.05
6.11096.09	387.43	5.95	270.00	0.00	0.00	1096.09	385.85	0.05
7.11070.60	372.00	5.95	90.00	0.00	0.00	1070.60	373.58	0.05
8.11085.10	372.00	5.95	90.00	0.00	0.00	1085.10	373.58	0.05
9.11112.38	372.00	5.95	90.00	0.00	0.00	1112.38	373.58	0.05
10.11124.34	372.00	5.95	90.00	0.00	0.00	1124.34	373.58	0.05
11.11153.39	372.00	5.95	90.00	0.00	0.00	1153.39	373.58	0.05
12.11172.66	367.16	5.95	44.35	0.00	0.00	1173.79	368.27	0.05
13.11186.97	365.87	5.95	131.67	0.00	0.00	1185.92	367.05	0.05
14.11183.92	379.91	5.95	246.96	0.00	0.00	1183.30	378.45	0.05
15.11202.86	368.00	5.95	89.13	0.00	0.00	1202.89	369.58	0.05
16.11242.21	358.65	5.95	270.00	0.00	0.00	1242.21	357.07	0.05
17.11259.68	345.60	5.95	180.00	0.00	0.00	1258.10	345.60	0.05
18.11242.30	331.82	5.95	90.00	0.00	0.00	1242.30	333.40	0.05
19.11211.55	332.88	5.95	90.00	0.00	0.00	1211.55	334.46	0.05
20.11193.93	332.88	5.95	90.00	0.00	0.00	1193.93	334.46	0.05
21.11167.65	332.88	5.95	90.00	0.00	0.00	1167.65	334.46	0.05
22.11150.04	332.88	5.95	90.00	0.00	0.00	1150.04	334.46	0.05
23.11138.84	345.58	5.95	0.00	0.00	0.00	1140.42	345.58	0.05
24.11138.84	360.58	5.95	0.00	0.00	0.00	1140.42	360.58	0.05
25.11218.15	322.04	5.95	0.00	0.00	0.00	1219.73	322.04	0.05
26.11218.15	303.76	5.95	0.00	0.00	0.00	1219.73	303.76	0.05
27.11266.95	312.93	5.95	270.00	0.00	0.00	1266.95	311.35	0.05
Cosmic Lighting Mars V 4K 23W 1200mm CML0599								
41.11150.88	348.19	3.47	270.00	0.00	0.00	1150.88	348.19	0.05
41.21155.73	348.19	3.47	270.00	0.00	0.00	1155.73	348.19	0.05
41.31160.70	348.19	3.47	270.00	0.00	0.00	1160.70	348.19	0.05
41.41165.24	348.19	3.47	270.00	0.00	0.00	1165.24	348.19	0.05
41.51170.09	348.19	3.47	270.00	0.00	0.00	1170.09	348.19	0.05
41.61190.18	348.19	3.47	270.00	0.00	0.00	1190.18	348.19	0.05
41.71195.03	348.19	3.47	270.00	0.00	0.00	1195.03	348.19	0.05
41.81200.00	348.19	3.47	270.00	0.00	0.00	1200.00	348.19	0.05
41.91204.54	348.19	3.47	270.00	0.00	0.00	1204.54	348.19	0.05

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

41.101209.38	348.19	3.47	270.00	0.00	0.00	1209.38	348.19	0.05
41.111213.92	348.19	3.47	270.00	0.00	0.00	1213.92	348.19	0.05
41.121218.83	348.19	3.47	270.00	0.00	0.00	1218.83	348.19	0.05
41.131150.88	358.90	3.47	270.00	0.00	0.00	1150.88	358.89	0.05
41.141155.73	358.90	3.47	270.00	0.00	0.00	1155.73	358.89	0.05
41.151160.70	358.90	3.47	270.00	0.00	0.00	1160.70	358.89	0.05
41.161165.24	358.90	3.47	270.00	0.00	0.00	1165.24	358.89	0.05
41.171170.09	358.90	3.47	270.00	0.00	0.00	1170.09	358.89	0.05
41.181190.18	358.90	3.47	270.00	0.00	0.00	1190.18	358.89	0.05
41.191195.03	358.90	3.47	270.00	0.00	0.00	1195.03	358.89	0.05
41.201200.00	358.90	3.47	270.00	0.00	0.00	1200.00	358.89	0.05
41.211204.54	358.90	3.47	270.00	0.00	0.00	1204.54	358.89	0.05
41.221209.38	358.90	3.47	270.00	0.00	0.00	1209.38	358.89	0.05
41.231213.92	358.90	3.47	270.00	0.00	0.00	1213.92	358.89	0.05
41.241218.83	358.90	3.47	270.00	0.00	0.00	1218.83	358.89	0.05
Cosmic Lighting MITRE-BOLT-WS-TC (12W) 1								
42.11227.00	321.00	2.36	180.00	0.00	0.00	1227.00	319.42	0.05
42.21233.00	321.00	2.36	180.00	0.00	0.00	1233.00	319.42	0.05
42.31241.50	321.00	2.36	180.00	0.00	0.00	1241.50	319.42	0.05
42.41251.50	321.00	2.36	180.00	0.00	0.00	1251.50	319.42	0.05
42.51256.00	321.00	2.36	180.00	0.00	0.00	1256.00	319.42	0.05
42.61256.00	298.39	2.36	0.00	0.00	0.00	1256.00	299.98	0.05
42.71251.17	298.39	2.36	0.00	0.00	0.00	1251.17	299.98	0.05
42.81242.38	298.39	2.36	0.00	0.00	0.00	1242.38	299.98	0.05
42.91235.64	298.39	2.36	0.00	0.00	0.00	1235.64	299.98	0.05
42.101227.51	298.39	2.36	0.00	0.00	0.00	1227.51	299.98	0.05
42.111227.00	288.63	2.36	180.00	0.00	0.00	1227.00	287.05	0.05
42.121233.00	288.63	2.36	180.00	0.00	0.00	1233.00	287.05	0.05
42.131241.50	288.63	2.36	180.00	0.00	0.00	1241.50	287.05	0.05
42.141251.50	288.63	2.36	180.00	0.00	0.00	1251.50	287.05	0.05
42.151256.00	288.63	2.36	180.00	0.00	0.00	1256.00	287.05	0.05
42.161246.06	291.03	2.36	90.00	0.00	0.00	1244.56	291.03	0.18
42.171246.06	296.11	2.36	90.00	0.00	0.00	1244.56	296.11	0.18
42.181222.65	291.03	2.36	90.00	0.00	0.00	1221.09	291.03	0.10
42.191222.65	296.11	2.36	90.00	0.00	0.00	1221.09	296.11	0.10
42.211142.33	325.51	2.36	90.00	0.00	0.00	1140.78	325.51	0.10
42.221142.33	293.99	2.36	90.00	0.00	0.00	1140.78	293.99	0.10
42.241142.12	307.48	2.36	90.00	0.00	0.00	1140.57	307.48	0.10
42.251142.12	311.19	2.36	90.00	0.00	0.00	1140.57	311.19	0.10
42.261148.02	286.39	2.36	180.00	0.00	0.00	1148.02	285.46	1.00
42.281156.40	286.39	2.36	180.00	0.00	0.00	1156.40	285.46	1.00
42.291216.78	320.00	2.36	270.00	0.00	0.00	1218.37	320.00	0.05
42.301216.78	316.33	2.36	270.00	0.00	0.00	1218.37	316.33	0.05
42.311217.44	311.04	2.36	270.00	0.00	0.00	1219.03	311.04	0.05
42.321217.44	307.86	2.36	270.00	0.00	0.00	1219.03	307.86	0.05
42.331186.81	297.17	5.32	180.00	0.00	0.00	1186.81	295.80	3.32
42.341194.22	297.17	5.32	180.00	0.00	0.00	1194.22	295.80	3.32
42.351186.81	297.17	1.89	180.00	0.00	0.00	1186.81	295.94	0.10
42.361194.22	297.17	1.89	180.00	0.00	0.00	1194.22	295.94	0.10
42.371256.00	330.53	2.36	0.00	0.00	0.00	1256.00	332.08	0.10
42.381251.17	330.53	2.36	0.00	0.00	0.00	1251.17	332.11	0.05
42.391242.38	330.53	2.36	0.00	0.00	0.00	1242.38	332.11	0.05
42.401235.64	330.53	2.36	0.00	0.00	0.00	1235.64	332.11	0.05
42.411227.51	330.53	2.36	0.00	0.00	0.00	1227.51	332.11	0.05
Cosmic Lighting Neptune 3 Ring Segment !Neptune 3 Ring Segment								
1.11203.14	307.82	4.50	0.00	0.00	0.00	1203.14	307.83	0.29
1.21203.13	307.98	4.50	12.00	0.00	0.00	1203.13	307.98	0.29
1.31203.08	308.13	4.50	24.00	0.00	0.00	1203.08	308.13	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

1.41203.00	308.27	4.50	36.00	0.00	0.00	1203.00	308.27	0.29
1.51202.90	308.38	4.50	48.00	0.00	0.00	1202.90	308.38	0.29
1.61202.77	308.47	4.50	60.00	0.00	0.00	1202.77	308.47	0.29
1.71202.63	308.54	4.50	72.00	0.00	0.00	1202.63	308.54	0.29
1.81202.47	308.57	4.50	84.00	0.00	0.00	1202.47	308.57	0.29
1.91202.32	308.57	4.50	96.00	0.00	0.00	1202.32	308.57	0.29
1.101202.16	308.54	4.50	108.00	0.00	0.00	1202.16	308.54	0.29
1.111202.02	308.47	4.50	120.00	0.00	0.00	1202.02	308.47	0.29
1.121201.89	308.38	4.50	132.00	0.00	0.00	1201.89	308.38	0.29
1.131201.79	308.27	4.50	144.00	0.00	0.00	1201.79	308.27	0.29
1.141201.71	308.13	4.50	156.00	0.00	0.00	1201.71	308.13	0.29
1.151201.66	307.98	4.50	168.00	0.00	0.00	1201.66	307.98	0.29
1.161201.64	307.82	4.50	180.00	0.00	0.00	1201.64	307.83	0.29
1.171201.66	307.67	4.50	192.00	0.00	0.00	1201.66	307.67	0.29
1.181201.71	307.52	4.50	204.00	0.00	0.00	1201.71	307.52	0.29
1.191201.79	307.38	4.50	216.00	0.00	0.00	1201.79	307.38	0.29
1.201201.89	307.27	4.50	228.00	0.00	0.00	1201.89	307.27	0.29
1.211202.02	307.18	4.50	240.00	0.00	0.00	1202.02	307.17	0.29
1.221202.16	307.11	4.50	252.00	0.00	0.00	1202.16	307.11	0.29
1.231202.32	307.08	4.50	264.00	0.00	0.00	1202.32	307.08	0.29
1.241202.47	307.08	4.50	276.00	0.00	0.00	1202.47	307.08	0.29
1.251202.63	307.11	4.50	288.00	0.00	0.00	1202.63	307.11	0.29
1.261202.77	307.18	4.50	300.00	0.00	0.00	1202.77	307.17	0.29
1.271202.90	307.27	4.50	312.00	0.00	0.00	1202.90	307.27	0.29
1.281203.00	307.38	4.50	324.00	0.00	0.00	1203.00	307.38	0.29
1.291203.08	307.52	4.50	336.00	0.00	0.00	1203.08	307.52	0.29
1.301203.13	307.67	4.50	348.00	0.00	0.00	1203.13	307.67	0.29
2.11203.14	303.42	4.50	0.00	0.00	0.00	1203.14	303.42	0.29
2.21203.13	303.58	4.50	12.00	0.00	0.00	1203.13	303.58	0.29
2.31203.08	303.73	4.50	24.00	0.00	0.00	1203.08	303.73	0.29
2.41203.00	303.86	4.50	36.00	0.00	0.00	1203.00	303.86	0.29
2.51202.90	303.98	4.50	48.00	0.00	0.00	1202.90	303.98	0.29
2.61202.77	304.07	4.50	60.00	0.00	0.00	1202.77	304.07	0.29
2.71202.63	304.14	4.50	72.00	0.00	0.00	1202.63	304.14	0.29
2.81202.47	304.17	4.50	84.00	0.00	0.00	1202.47	304.17	0.29
2.91202.32	304.17	4.50	96.00	0.00	0.00	1202.32	304.17	0.29
2.101202.16	304.14	4.50	108.00	0.00	0.00	1202.16	304.14	0.29
2.111202.02	304.07	4.50	120.00	0.00	0.00	1202.02	304.07	0.29
2.121201.89	303.98	4.50	132.00	0.00	0.00	1201.89	303.98	0.29
2.131201.79	303.86	4.50	144.00	0.00	0.00	1201.79	303.86	0.29
2.141201.71	303.73	4.50	156.00	0.00	0.00	1201.71	303.73	0.29
2.151201.66	303.58	4.50	168.00	0.00	0.00	1201.66	303.58	0.29
2.161201.64	303.42	4.50	180.00	0.00	0.00	1201.64	303.42	0.29
2.171201.66	303.27	4.50	192.00	0.00	0.00	1201.66	303.27	0.29
2.181201.71	303.12	4.50	204.00	0.00	0.00	1201.71	303.12	0.29
2.191201.79	302.98	4.50	216.00	0.00	0.00	1201.79	302.98	0.29
2.201201.89	302.87	4.50	228.00	0.00	0.00	1201.89	302.87	0.29
2.211202.02	302.77	4.50	240.00	0.00	0.00	1202.02	302.77	0.29
2.221202.16	302.71	4.50	252.00	0.00	0.00	1202.16	302.71	0.29
2.231202.32	302.68	4.50	264.00	0.00	0.00	1202.32	302.68	0.29
2.241202.47	302.68	4.50	276.00	0.00	0.00	1202.47	302.68	0.29
2.251202.63	302.71	4.50	288.00	0.00	0.00	1202.63	302.71	0.29
2.261202.77	302.77	4.50	300.00	0.00	0.00	1202.77	302.77	0.29
2.271202.90	302.87	4.50	312.00	0.00	0.00	1202.90	302.87	0.29
2.281203.00	302.98	4.50	324.00	0.00	0.00	1203.00	302.98	0.29
2.291203.08	303.12	4.50	336.00	0.00	0.00	1203.08	303.12	0.29
2.301203.13	303.27	4.50	348.00	0.00	0.00	1203.13	303.27	0.29
3.11199.58	303.42	4.50	0.00	0.00	0.00	1199.58	303.42	0.29
3.21199.56	303.58	4.50	12.00	0.00	0.00	1199.56	303.58	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

3.31199.51	303.73	4.50	24.00	0.00	0.00	1199.51	303.73	0.29
3.41199.43	303.86	4.50	36.00	0.00	0.00	1199.44	303.86	0.29
3.51199.33	303.98	4.50	48.00	0.00	0.00	1199.33	303.98	0.29
3.61199.20	304.07	4.50	60.00	0.00	0.00	1199.20	304.07	0.29
3.71199.06	304.14	4.50	72.00	0.00	0.00	1199.06	304.14	0.29
3.81198.91	304.17	4.50	84.00	0.00	0.00	1198.91	304.17	0.29
3.91198.75	304.17	4.50	96.00	0.00	0.00	1198.75	304.17	0.29
3.101198.60	304.14	4.50	108.00	0.00	0.00	1198.60	304.14	0.29
3.111198.45	304.07	4.50	120.00	0.00	0.00	1198.45	304.07	0.29
3.121198.33	303.98	4.50	132.00	0.00	0.00	1198.33	303.98	0.29
3.131198.22	303.86	4.50	144.00	0.00	0.00	1198.22	303.86	0.29
3.141198.14	303.73	4.50	156.00	0.00	0.00	1198.14	303.73	0.29
3.151198.09	303.58	4.50	168.00	0.00	0.00	1198.09	303.58	0.29
3.161198.08	303.42	4.50	180.00	0.00	0.00	1198.08	303.42	0.29
3.171198.09	303.27	4.50	192.00	0.00	0.00	1198.09	303.27	0.29
3.181198.14	303.12	4.50	204.00	0.00	0.00	1198.14	303.12	0.29
3.191198.22	302.98	4.50	216.00	0.00	0.00	1198.22	302.98	0.29
3.201198.33	302.87	4.50	228.00	0.00	0.00	1198.33	302.87	0.29
3.211198.45	302.77	4.50	240.00	0.00	0.00	1198.45	302.77	0.29
3.221198.60	302.71	4.50	252.00	0.00	0.00	1198.60	302.71	0.29
3.231198.75	302.68	4.50	264.00	0.00	0.00	1198.75	302.68	0.29
3.241198.91	302.68	4.50	276.00	0.00	0.00	1198.91	302.68	0.29
3.251199.06	302.71	4.50	288.00	0.00	0.00	1199.06	302.71	0.29
3.261199.20	302.77	4.50	300.00	0.00	0.00	1199.20	302.77	0.29
3.271199.33	302.87	4.50	312.00	0.00	0.00	1199.33	302.87	0.29
3.281199.43	302.98	4.50	324.00	0.00	0.00	1199.44	302.98	0.29
3.291199.51	303.12	4.50	336.00	0.00	0.00	1199.51	303.12	0.29
3.301199.56	303.27	4.50	348.00	0.00	0.00	1199.56	303.27	0.29
4.11199.58	299.38	4.50	0.00	0.00	0.00	1199.58	299.38	0.29
4.21199.56	299.54	4.50	12.00	0.00	0.00	1199.56	299.54	0.29
4.31199.51	299.69	4.50	24.00	0.00	0.00	1199.51	299.69	0.29
4.41199.43	299.82	4.50	36.00	0.00	0.00	1199.44	299.82	0.29
4.51199.33	299.94	4.50	48.00	0.00	0.00	1199.33	299.94	0.29
4.61199.20	300.03	4.50	60.00	0.00	0.00	1199.20	300.03	0.29
4.71199.06	300.10	4.50	72.00	0.00	0.00	1199.06	300.10	0.29
4.81198.91	300.13	4.50	84.00	0.00	0.00	1198.91	300.13	0.29
4.91198.75	300.13	4.50	96.00	0.00	0.00	1198.75	300.13	0.29
4.101198.60	300.10	4.50	108.00	0.00	0.00	1198.60	300.10	0.29
4.111198.45	300.03	4.50	120.00	0.00	0.00	1198.45	300.03	0.29
4.121198.33	299.94	4.50	132.00	0.00	0.00	1198.33	299.94	0.29
4.131198.22	299.82	4.50	144.00	0.00	0.00	1198.22	299.82	0.29
4.141198.14	299.69	4.50	156.00	0.00	0.00	1198.14	299.69	0.29
4.151198.09	299.54	4.50	168.00	0.00	0.00	1198.09	299.54	0.29
4.161198.08	299.38	4.50	180.00	0.00	0.00	1198.08	299.38	0.29
4.171198.09	299.23	4.50	192.00	0.00	0.00	1198.09	299.23	0.29
4.181198.14	299.08	4.50	204.00	0.00	0.00	1198.14	299.08	0.29
4.191198.22	298.94	4.50	216.00	0.00	0.00	1198.22	298.94	0.29
4.201198.33	298.82	4.50	228.00	0.00	0.00	1198.33	298.83	0.29
4.211198.45	298.73	4.50	240.00	0.00	0.00	1198.45	298.73	0.29
4.221198.60	298.67	4.50	252.00	0.00	0.00	1198.60	298.67	0.29
4.231198.75	298.64	4.50	264.00	0.00	0.00	1198.75	298.64	0.29
4.241198.91	298.64	4.50	276.00	0.00	0.00	1198.91	298.64	0.29
4.251199.06	298.67	4.50	288.00	0.00	0.00	1199.06	298.67	0.29
4.261199.20	298.73	4.50	300.00	0.00	0.00	1199.20	298.73	0.29
4.271199.33	298.82	4.50	312.00	0.00	0.00	1199.33	298.83	0.29
4.281199.43	298.94	4.50	324.00	0.00	0.00	1199.44	298.94	0.29
4.291199.51	299.08	4.50	336.00	0.00	0.00	1199.51	299.08	0.29
4.301199.56	299.23	4.50	348.00	0.00	0.00	1199.56	299.23	0.29
5.11211.02	303.42	4.50	0.00	0.00	0.00	1211.02	303.42	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

5.21211.01	303.58	4.50	12.00	0.00	0.00	1211.01	303.58	0.29
5.31210.96	303.73	4.50	24.00	0.00	0.00	1210.96	303.73	0.29
5.41210.88	303.86	4.50	36.00	0.00	0.00	1210.88	303.86	0.29
5.51210.77	303.98	4.50	48.00	0.00	0.00	1210.77	303.98	0.29
5.61210.65	304.07	4.50	60.00	0.00	0.00	1210.65	304.07	0.29
5.71210.50	304.14	4.50	72.00	0.00	0.00	1210.50	304.14	0.29
5.81210.35	304.17	4.50	84.00	0.00	0.00	1210.35	304.17	0.29
5.91210.19	304.17	4.50	96.00	0.00	0.00	1210.19	304.17	0.29
5.101210.04	304.14	4.50	108.00	0.00	0.00	1210.04	304.14	0.29
5.111209.90	304.07	4.50	120.00	0.00	0.00	1209.90	304.07	0.29
5.121209.77	303.98	4.50	132.00	0.00	0.00	1209.77	303.98	0.29
5.131209.67	303.86	4.50	144.00	0.00	0.00	1209.67	303.86	0.29
5.141209.59	303.73	4.50	156.00	0.00	0.00	1209.59	303.73	0.29
5.151209.54	303.58	4.50	168.00	0.00	0.00	1209.54	303.58	0.29
5.161209.52	303.42	4.50	180.00	0.00	0.00	1209.52	303.42	0.29
5.171209.54	303.27	4.50	192.00	0.00	0.00	1209.54	303.27	0.29
5.181209.59	303.12	4.50	204.00	0.00	0.00	1209.59	303.12	0.29
5.191209.67	302.98	4.50	216.00	0.00	0.00	1209.67	302.98	0.29
5.201209.77	302.87	4.50	228.00	0.00	0.00	1209.77	302.87	0.29
5.211209.90	302.77	4.50	240.00	0.00	0.00	1209.90	302.77	0.29
5.221210.04	302.71	4.50	252.00	0.00	0.00	1210.04	302.71	0.29
5.231210.19	302.68	4.50	264.00	0.00	0.00	1210.19	302.68	0.29
5.241210.35	302.68	4.50	276.00	0.00	0.00	1210.35	302.68	0.29
5.251210.50	302.71	4.50	288.00	0.00	0.00	1210.50	302.71	0.29
5.261210.65	302.77	4.50	300.00	0.00	0.00	1210.65	302.77	0.29
5.271210.77	302.87	4.50	312.00	0.00	0.00	1210.77	302.87	0.29
5.281210.88	302.98	4.50	324.00	0.00	0.00	1210.88	302.98	0.29
5.291210.96	303.12	4.50	336.00	0.00	0.00	1210.96	303.12	0.29
5.301211.01	303.27	4.50	348.00	0.00	0.00	1211.01	303.27	0.29
6.11207.05	303.42	4.50	0.00	0.00	0.00	1207.05	303.42	0.29
6.21207.03	303.58	4.50	12.00	0.00	0.00	1207.03	303.58	0.29
6.31206.98	303.73	4.50	24.00	0.00	0.00	1206.98	303.73	0.29
6.41206.91	303.86	4.50	36.00	0.00	0.00	1206.91	303.86	0.29
6.51206.80	303.98	4.50	48.00	0.00	0.00	1206.80	303.98	0.29
6.61206.67	304.07	4.50	60.00	0.00	0.00	1206.68	304.07	0.29
6.71206.53	304.14	4.50	72.00	0.00	0.00	1206.53	304.14	0.29
6.81206.38	304.17	4.50	84.00	0.00	0.00	1206.38	304.17	0.29
6.91206.22	304.17	4.50	96.00	0.00	0.00	1206.22	304.17	0.29
6.101206.07	304.14	4.50	108.00	0.00	0.00	1206.07	304.14	0.29
6.111205.92	304.07	4.50	120.00	0.00	0.00	1205.93	304.07	0.29
6.121205.80	303.98	4.50	132.00	0.00	0.00	1205.80	303.98	0.29
6.131205.69	303.86	4.50	144.00	0.00	0.00	1205.69	303.86	0.29
6.141205.61	303.73	4.50	156.00	0.00	0.00	1205.61	303.73	0.29
6.151205.57	303.58	4.50	168.00	0.00	0.00	1205.57	303.58	0.29
6.161205.55	303.42	4.50	180.00	0.00	0.00	1205.55	303.42	0.29
6.171205.57	303.27	4.50	192.00	0.00	0.00	1205.57	303.27	0.29
6.181205.61	303.12	4.50	204.00	0.00	0.00	1205.61	303.12	0.29
6.191205.69	302.98	4.50	216.00	0.00	0.00	1205.69	302.98	0.29
6.201205.80	302.87	4.50	228.00	0.00	0.00	1205.80	302.87	0.29
6.211205.92	302.77	4.50	240.00	0.00	0.00	1205.93	302.77	0.29
6.221206.07	302.71	4.50	252.00	0.00	0.00	1206.07	302.71	0.29
6.231206.22	302.68	4.50	264.00	0.00	0.00	1206.22	302.68	0.29
6.241206.38	302.68	4.50	276.00	0.00	0.00	1206.38	302.68	0.29
6.251206.53	302.71	4.50	288.00	0.00	0.00	1206.53	302.71	0.29
6.261206.67	302.77	4.50	300.00	0.00	0.00	1206.68	302.77	0.29
6.271206.80	302.87	4.50	312.00	0.00	0.00	1206.80	302.87	0.29
6.281206.91	302.98	4.50	324.00	0.00	0.00	1206.91	302.98	0.29
6.291206.98	303.12	4.50	336.00	0.00	0.00	1206.98	303.12	0.29
6.301207.03	303.27	4.50	348.00	0.00	0.00	1207.03	303.27	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

7.11215.04	303.42	4.50	0.00	0.00	0.00	1215.04	303.42	0.29
7.21215.02	303.58	4.50	12.00	0.00	0.00	1215.02	303.58	0.29
7.31214.98	303.73	4.50	24.00	0.00	0.00	1214.98	303.73	0.29
7.41214.90	303.86	4.50	36.00	0.00	0.00	1214.90	303.86	0.29
7.51214.79	303.98	4.50	48.00	0.00	0.00	1214.79	303.98	0.29
7.61214.67	304.07	4.50	60.00	0.00	0.00	1214.67	304.07	0.29
7.71214.52	304.14	4.50	72.00	0.00	0.00	1214.52	304.14	0.29
7.81214.37	304.17	4.50	84.00	0.00	0.00	1214.37	304.17	0.29
7.91214.21	304.17	4.50	96.00	0.00	0.00	1214.21	304.17	0.29
7.101214.06	304.14	4.50	108.00	0.00	0.00	1214.06	304.14	0.29
7.111213.92	304.07	4.50	120.00	0.00	0.00	1213.92	304.07	0.29
7.121213.79	303.98	4.50	132.00	0.00	0.00	1213.79	303.98	0.29
7.131213.68	303.86	4.50	144.00	0.00	0.00	1213.68	303.86	0.29
7.141213.61	303.73	4.50	156.00	0.00	0.00	1213.60	303.73	0.29
7.151213.56	303.58	4.50	168.00	0.00	0.00	1213.56	303.58	0.29
7.161213.54	303.42	4.50	180.00	0.00	0.00	1213.54	303.42	0.29
7.171213.56	303.27	4.50	192.00	0.00	0.00	1213.56	303.27	0.29
7.181213.61	303.12	4.50	204.00	0.00	0.00	1213.60	303.12	0.29
7.191213.68	302.98	4.50	216.00	0.00	0.00	1213.68	302.98	0.29
7.201213.79	302.87	4.50	228.00	0.00	0.00	1213.79	302.87	0.29
7.211213.92	302.77	4.50	240.00	0.00	0.00	1213.92	302.77	0.29
7.221214.06	302.71	4.50	252.00	0.00	0.00	1214.06	302.71	0.29
7.231214.21	302.68	4.50	264.00	0.00	0.00	1214.21	302.68	0.29
7.241214.37	302.68	4.50	276.00	0.00	0.00	1214.37	302.68	0.29
7.251214.52	302.71	4.50	288.00	0.00	0.00	1214.52	302.71	0.29
7.261214.67	302.77	4.50	300.00	0.00	0.00	1214.67	302.77	0.29
7.271214.79	302.87	4.50	312.00	0.00	0.00	1214.79	302.87	0.29
7.281214.90	302.98	4.50	324.00	0.00	0.00	1214.90	302.98	0.29
7.291214.98	303.12	4.50	336.00	0.00	0.00	1214.98	303.12	0.29
7.301215.02	303.27	4.50	348.00	0.00	0.00	1215.02	303.27	0.29
10.11211.02	307.80	4.50	0.00	0.00	0.00	1211.02	307.80	0.29
10.21211.01	307.95	4.50	12.00	0.00	0.00	1211.01	307.95	0.29
10.31210.96	308.10	4.50	24.00	0.00	0.00	1210.96	308.10	0.29
10.41210.88	308.24	4.50	36.00	0.00	0.00	1210.88	308.24	0.29
10.51210.77	308.35	4.50	48.00	0.00	0.00	1210.77	308.35	0.29
10.61210.65	308.45	4.50	60.00	0.00	0.00	1210.65	308.45	0.29
10.71210.50	308.51	4.50	72.00	0.00	0.00	1210.50	308.51	0.29
10.81210.35	308.54	4.50	84.00	0.00	0.00	1210.35	308.54	0.29
10.91210.19	308.54	4.50	96.00	0.00	0.00	1210.19	308.54	0.29
10.101210.04	308.51	4.50	108.00	0.00	0.00	1210.04	308.51	0.29
10.111209.90	308.45	4.50	120.00	0.00	0.00	1209.90	308.45	0.29
10.121209.77	308.35	4.50	132.00	0.00	0.00	1209.77	308.35	0.29
10.131209.67	308.24	4.50	144.00	0.00	0.00	1209.67	308.24	0.29
10.141209.59	308.10	4.50	156.00	0.00	0.00	1209.59	308.10	0.29
10.151209.54	307.95	4.50	168.00	0.00	0.00	1209.54	307.95	0.29
10.161209.52	307.80	4.50	180.00	0.00	0.00	1209.52	307.80	0.29
10.171209.54	307.64	4.50	192.00	0.00	0.00	1209.54	307.64	0.29
10.181209.59	307.49	4.50	204.00	0.00	0.00	1209.59	307.49	0.29
10.191209.67	307.36	4.50	216.00	0.00	0.00	1209.67	307.36	0.29
10.201209.77	307.24	4.50	228.00	0.00	0.00	1209.77	307.24	0.29
10.211209.90	307.15	4.50	240.00	0.00	0.00	1209.90	307.15	0.29
10.221210.04	307.08	4.50	252.00	0.00	0.00	1210.04	307.08	0.29
10.231210.19	307.05	4.50	264.00	0.00	0.00	1210.19	307.05	0.29
10.241210.35	307.05	4.50	276.00	0.00	0.00	1210.35	307.05	0.29
10.251210.50	307.08	4.50	288.00	0.00	0.00	1210.50	307.08	0.29
10.261210.65	307.15	4.50	300.00	0.00	0.00	1210.65	307.15	0.29
10.271210.77	307.24	4.50	312.00	0.00	0.00	1210.77	307.24	0.29
10.281210.88	307.36	4.50	324.00	0.00	0.00	1210.88	307.36	0.29
10.291210.96	307.49	4.50	336.00	0.00	0.00	1210.96	307.49	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

10.301211.01	307.64	4.50	348.00	0.00	0.00	1211.01	307.64	0.29
14.11207.05	299.17	4.50	0.00	0.00	0.00	1207.05	299.17	0.29
14.21207.03	299.33	4.50	12.00	0.00	0.00	1207.03	299.33	0.29
14.31206.98	299.47	4.50	24.00	0.00	0.00	1206.98	299.48	0.29
14.41206.91	299.61	4.50	36.00	0.00	0.00	1206.91	299.61	0.29
14.51206.80	299.73	4.50	48.00	0.00	0.00	1206.80	299.73	0.29
14.61206.67	299.82	4.50	60.00	0.00	0.00	1206.68	299.82	0.29
14.71206.53	299.88	4.50	72.00	0.00	0.00	1206.53	299.88	0.29
14.81206.38	299.92	4.50	84.00	0.00	0.00	1206.38	299.92	0.29
14.91206.22	299.92	4.50	96.00	0.00	0.00	1206.22	299.92	0.29
14.101206.07	299.88	4.50	108.00	0.00	0.00	1206.07	299.88	0.29
14.111205.92	299.82	4.50	120.00	0.00	0.00	1205.93	299.82	0.29
14.121205.80	299.73	4.50	132.00	0.00	0.00	1205.80	299.73	0.29
14.131205.69	299.61	4.50	144.00	0.00	0.00	1205.69	299.61	0.29
14.141205.61	299.47	4.50	156.00	0.00	0.00	1205.61	299.48	0.29
14.151205.57	299.33	4.50	168.00	0.00	0.00	1205.57	299.33	0.29
14.161205.55	299.17	4.50	180.00	0.00	0.00	1205.55	299.17	0.29
14.171205.57	299.01	4.50	192.00	0.00	0.00	1205.57	299.01	0.29
14.181205.61	298.86	4.50	204.00	0.00	0.00	1205.61	298.86	0.29
14.191205.69	298.73	4.50	216.00	0.00	0.00	1205.69	298.73	0.29
14.201205.80	298.61	4.50	228.00	0.00	0.00	1205.80	298.61	0.29
14.211205.92	298.52	4.50	240.00	0.00	0.00	1205.93	298.52	0.29
14.221206.07	298.46	4.50	252.00	0.00	0.00	1206.07	298.46	0.29
14.231206.22	298.42	4.50	264.00	0.00	0.00	1206.22	298.42	0.29
14.241206.38	298.42	4.50	276.00	0.00	0.00	1206.38	298.42	0.29
14.251206.53	298.46	4.50	288.00	0.00	0.00	1206.53	298.46	0.29
14.261206.67	298.52	4.50	300.00	0.00	0.00	1206.68	298.52	0.29
14.271206.80	298.61	4.50	312.00	0.00	0.00	1206.80	298.61	0.29
14.281206.91	298.73	4.50	324.00	0.00	0.00	1206.91	298.73	0.29
14.291206.98	298.86	4.50	336.00	0.00	0.00	1206.98	298.86	0.29
14.301207.03	299.01	4.50	348.00	0.00	0.00	1207.03	299.01	0.29
15.11215.04	299.17	4.50	0.00	0.00	0.00	1215.04	299.17	0.29
15.21215.02	299.33	4.50	12.00	0.00	0.00	1215.02	299.33	0.29
15.31214.98	299.47	4.50	24.00	0.00	0.00	1214.98	299.48	0.29
15.41214.90	299.61	4.50	36.00	0.00	0.00	1214.90	299.61	0.29
15.51214.79	299.73	4.50	48.00	0.00	0.00	1214.79	299.73	0.29
15.61214.67	299.82	4.50	60.00	0.00	0.00	1214.67	299.82	0.29
15.71214.52	299.88	4.50	72.00	0.00	0.00	1214.52	299.88	0.29
15.81214.37	299.92	4.50	84.00	0.00	0.00	1214.37	299.92	0.29
15.91214.21	299.92	4.50	96.00	0.00	0.00	1214.21	299.92	0.29
15.101214.06	299.88	4.50	108.00	0.00	0.00	1214.06	299.88	0.29
15.111213.92	299.82	4.50	120.00	0.00	0.00	1213.92	299.82	0.29
15.121213.79	299.73	4.50	132.00	0.00	0.00	1213.79	299.73	0.29
15.131213.68	299.61	4.50	144.00	0.00	0.00	1213.68	299.61	0.29
15.141213.61	299.47	4.50	156.00	0.00	0.00	1213.60	299.48	0.29
15.151213.56	299.33	4.50	168.00	0.00	0.00	1213.56	299.33	0.29
15.161213.54	299.17	4.50	180.00	0.00	0.00	1213.54	299.17	0.29
15.171213.56	299.01	4.50	192.00	0.00	0.00	1213.56	299.01	0.29
15.181213.61	298.86	4.50	204.00	0.00	0.00	1213.60	298.86	0.29
15.191213.68	298.73	4.50	216.00	0.00	0.00	1213.68	298.73	0.29
15.201213.79	298.61	4.50	228.00	0.00	0.00	1213.79	298.61	0.29
15.211213.92	298.52	4.50	240.00	0.00	0.00	1213.92	298.52	0.29
15.221214.06	298.46	4.50	252.00	0.00	0.00	1214.06	298.46	0.29
15.231214.21	298.42	4.50	264.00	0.00	0.00	1214.21	298.42	0.29
15.241214.37	298.42	4.50	276.00	0.00	0.00	1214.37	298.42	0.29
15.251214.52	298.46	4.50	288.00	0.00	0.00	1214.52	298.46	0.29
15.261214.67	298.52	4.50	300.00	0.00	0.00	1214.67	298.52	0.29
15.271214.79	298.61	4.50	312.00	0.00	0.00	1214.79	298.61	0.29
15.281214.90	298.73	4.50	324.00	0.00	0.00	1214.90	298.73	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

15.291214.98	298.86	4.50	336.00	0.00	0.00	1214.98	298.86	0.29
15.301215.02	299.01	4.50	348.00	0.00	0.00	1215.02	299.01	0.29
16.11211.02	294.95	4.50	0.00	0.00	0.00	1211.02	294.95	0.29
16.21211.01	295.10	4.50	12.00	0.00	0.00	1211.01	295.10	0.29
16.31210.96	295.25	4.50	24.00	0.00	0.00	1210.96	295.25	0.29
16.41210.88	295.39	4.50	36.00	0.00	0.00	1210.88	295.39	0.29
16.51210.77	295.50	4.50	48.00	0.00	0.00	1210.77	295.50	0.29
16.61210.65	295.60	4.50	60.00	0.00	0.00	1210.65	295.60	0.29
16.71210.50	295.66	4.50	72.00	0.00	0.00	1210.50	295.66	0.29
16.81210.35	295.69	4.50	84.00	0.00	0.00	1210.35	295.69	0.29
16.91210.19	295.69	4.50	96.00	0.00	0.00	1210.19	295.69	0.29
16.101210.04	295.66	4.50	108.00	0.00	0.00	1210.04	295.66	0.29
16.111209.90	295.60	4.50	120.00	0.00	0.00	1209.90	295.60	0.29
16.121209.77	295.50	4.50	132.00	0.00	0.00	1209.77	295.50	0.29
16.131209.67	295.39	4.50	144.00	0.00	0.00	1209.67	295.39	0.29
16.141209.59	295.25	4.50	156.00	0.00	0.00	1209.59	295.25	0.29
16.151209.54	295.10	4.50	168.00	0.00	0.00	1209.54	295.10	0.29
16.161209.52	294.95	4.50	180.00	0.00	0.00	1209.52	294.95	0.29
16.171209.54	294.79	4.50	192.00	0.00	0.00	1209.54	294.79	0.29
16.181209.59	294.64	4.50	204.00	0.00	0.00	1209.59	294.64	0.29
16.191209.67	294.51	4.50	216.00	0.00	0.00	1209.67	294.51	0.29
16.201209.77	294.39	4.50	228.00	0.00	0.00	1209.77	294.39	0.29
16.211209.90	294.30	4.50	240.00	0.00	0.00	1209.90	294.30	0.29
16.221210.04	294.23	4.50	252.00	0.00	0.00	1210.04	294.23	0.29
16.231210.19	294.20	4.50	264.00	0.00	0.00	1210.19	294.20	0.29
16.241210.35	294.20	4.50	276.00	0.00	0.00	1210.35	294.20	0.29
16.251210.50	294.23	4.50	288.00	0.00	0.00	1210.50	294.23	0.29
16.261210.65	294.30	4.50	300.00	0.00	0.00	1210.65	294.30	0.29
16.271210.77	294.39	4.50	312.00	0.00	0.00	1210.77	294.39	0.29
16.281210.88	294.51	4.50	324.00	0.00	0.00	1210.88	294.51	0.29
16.291210.96	294.64	4.50	336.00	0.00	0.00	1210.96	294.64	0.29
16.301211.01	294.79	4.50	348.00	0.00	0.00	1211.01	294.79	0.29
17.11207.05	294.95	4.50	0.00	0.00	0.00	1207.05	294.95	0.29
17.21207.03	295.10	4.50	12.00	0.00	0.00	1207.03	295.10	0.29
17.31206.98	295.25	4.50	24.00	0.00	0.00	1206.98	295.25	0.29
17.41206.91	295.39	4.50	36.00	0.00	0.00	1206.91	295.39	0.29
17.51206.80	295.50	4.50	48.00	0.00	0.00	1206.80	295.50	0.29
17.61206.67	295.60	4.50	60.00	0.00	0.00	1206.68	295.60	0.29
17.71206.53	295.66	4.50	72.00	0.00	0.00	1206.53	295.66	0.29
17.81206.38	295.69	4.50	84.00	0.00	0.00	1206.38	295.69	0.29
17.91206.22	295.69	4.50	96.00	0.00	0.00	1206.22	295.69	0.29
17.101206.07	295.66	4.50	108.00	0.00	0.00	1206.07	295.66	0.29
17.111205.92	295.60	4.50	120.00	0.00	0.00	1205.93	295.60	0.29
17.121205.80	295.50	4.50	132.00	0.00	0.00	1205.80	295.50	0.29
17.131205.69	295.39	4.50	144.00	0.00	0.00	1205.69	295.39	0.29
17.141205.61	295.25	4.50	156.00	0.00	0.00	1205.61	295.25	0.29
17.151205.57	295.10	4.50	168.00	0.00	0.00	1205.57	295.10	0.29
17.161205.55	294.95	4.50	180.00	0.00	0.00	1205.55	294.95	0.29
17.171205.57	294.79	4.50	192.00	0.00	0.00	1205.57	294.79	0.29
17.181205.61	294.64	4.50	204.00	0.00	0.00	1205.61	294.64	0.29
17.191205.69	294.51	4.50	216.00	0.00	0.00	1205.69	294.51	0.29
17.201205.80	294.39	4.50	228.00	0.00	0.00	1205.80	294.39	0.29
17.211205.92	294.30	4.50	240.00	0.00	0.00	1205.93	294.30	0.29
17.221206.07	294.23	4.50	252.00	0.00	0.00	1206.07	294.23	0.29
17.231206.22	294.20	4.50	264.00	0.00	0.00	1206.22	294.20	0.29
17.241206.38	294.20	4.50	276.00	0.00	0.00	1206.38	294.20	0.29
17.251206.53	294.23	4.50	288.00	0.00	0.00	1206.53	294.23	0.29
17.261206.67	294.30	4.50	300.00	0.00	0.00	1206.68	294.30	0.29
17.271206.80	294.39	4.50	312.00	0.00	0.00	1206.80	294.39	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

17.281206.91	294.51	4.50	324.00	0.00	0.00	1206.91	294.51	0.29
17.291206.98	294.64	4.50	336.00	0.00	0.00	1206.98	294.64	0.29
17.301207.03	294.79	4.50	348.00	0.00	0.00	1207.03	294.79	0.29
18.11215.04	294.95	4.50	0.00	0.00	0.00	1215.04	294.95	0.29
18.21215.02	295.10	4.50	12.00	0.00	0.00	1215.02	295.10	0.29
18.31214.98	295.25	4.50	24.00	0.00	0.00	1214.98	295.25	0.29
18.41214.90	295.39	4.50	36.00	0.00	0.00	1214.90	295.39	0.29
18.51214.79	295.50	4.50	48.00	0.00	0.00	1214.79	295.50	0.29
18.61214.67	295.60	4.50	60.00	0.00	0.00	1214.67	295.60	0.29
18.71214.52	295.66	4.50	72.00	0.00	0.00	1214.52	295.66	0.29
18.81214.37	295.69	4.50	84.00	0.00	0.00	1214.37	295.69	0.29
18.91214.21	295.69	4.50	96.00	0.00	0.00	1214.21	295.69	0.29
18.101214.06	295.66	4.50	108.00	0.00	0.00	1214.06	295.66	0.29
18.111213.92	295.60	4.50	120.00	0.00	0.00	1213.92	295.60	0.29
18.121213.79	295.50	4.50	132.00	0.00	0.00	1213.79	295.50	0.29
18.131213.68	295.39	4.50	144.00	0.00	0.00	1213.68	295.39	0.29
18.141213.61	295.25	4.50	156.00	0.00	0.00	1213.60	295.25	0.29
18.151213.56	295.10	4.50	168.00	0.00	0.00	1213.56	295.10	0.29
18.161213.54	294.95	4.50	180.00	0.00	0.00	1213.54	294.95	0.29
18.171213.56	294.79	4.50	192.00	0.00	0.00	1213.56	294.79	0.29
18.181213.61	294.64	4.50	204.00	0.00	0.00	1213.60	294.64	0.29
18.191213.68	294.51	4.50	216.00	0.00	0.00	1213.68	294.51	0.29
18.201213.79	294.39	4.50	228.00	0.00	0.00	1213.79	294.39	0.29
18.211213.92	294.30	4.50	240.00	0.00	0.00	1213.92	294.30	0.29
18.221214.06	294.23	4.50	252.00	0.00	0.00	1214.06	294.23	0.29
18.231214.21	294.20	4.50	264.00	0.00	0.00	1214.21	294.20	0.29
18.241214.37	294.20	4.50	276.00	0.00	0.00	1214.37	294.20	0.29
18.251214.52	294.23	4.50	288.00	0.00	0.00	1214.52	294.23	0.29
18.261214.67	294.30	4.50	300.00	0.00	0.00	1214.67	294.30	0.29
18.271214.79	294.39	4.50	312.00	0.00	0.00	1214.79	294.39	0.29
18.281214.90	294.51	4.50	324.00	0.00	0.00	1214.90	294.51	0.29
18.291214.98	294.64	4.50	336.00	0.00	0.00	1214.98	294.64	0.29
18.301215.02	294.79	4.50	348.00	0.00	0.00	1215.02	294.79	0.29
19.11211.02	291.00	4.50	0.00	0.00	0.00	1211.02	290.99	0.00
19.21211.01	291.15	4.50	12.00	0.00	0.00	1211.01	291.15	0.00
19.31210.96	291.30	4.50	24.00	0.00	0.00	1210.96	291.30	0.00
19.41210.88	291.44	4.50	36.00	0.00	0.00	1210.88	291.44	0.00
19.51210.77	291.55	4.50	48.00	0.00	0.00	1210.77	291.55	0.00
19.61210.65	291.64	4.50	60.00	0.00	0.00	1210.65	291.64	0.00
19.71210.50	291.71	4.50	72.00	0.00	0.00	1210.50	291.71	0.10
19.81210.35	291.74	4.50	84.00	0.00	0.00	1210.35	291.74	0.10
19.91210.19	291.74	4.50	96.00	0.00	0.00	1210.19	291.74	0.10
19.101210.04	291.71	4.50	108.00	0.00	0.00	1210.04	291.71	0.10
19.111209.90	291.64	4.50	120.00	0.00	0.00	1209.90	291.64	0.10
19.121209.77	291.55	4.50	132.00	0.00	0.00	1209.77	291.55	0.10
19.131209.67	291.44	4.50	144.00	0.00	0.00	1209.67	291.44	0.10
19.141209.59	291.30	4.50	156.00	0.00	0.00	1209.59	291.30	0.10
19.151209.54	291.15	4.50	168.00	0.00	0.00	1209.54	291.15	0.10
19.161209.52	291.00	4.50	180.00	0.00	0.00	1209.52	290.99	0.10
19.171209.54	290.84	4.50	192.00	0.00	0.00	1209.54	290.84	0.10
19.181209.59	290.69	4.50	204.00	0.00	0.00	1209.59	290.69	0.10
19.191209.67	290.55	4.50	216.00	0.00	0.00	1209.67	290.55	0.10
19.201209.77	290.44	4.50	228.00	0.00	0.00	1209.77	290.44	0.10
19.211209.90	290.35	4.50	240.00	0.00	0.00	1209.90	290.35	0.10
19.221210.04	290.28	4.50	252.00	0.00	0.00	1210.04	290.28	0.10
19.231210.19	290.25	4.50	264.00	0.00	0.00	1210.19	290.25	0.10
19.241210.35	290.25	4.50	276.00	0.00	0.00	1210.35	290.25	0.10
19.251210.50	290.28	4.50	288.00	0.00	0.00	1210.50	290.28	0.10
19.261210.65	290.35	4.50	300.00	0.00	0.00	1210.65	290.35	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

	19.271	210.77	290.44	4.50	312.00	0.00	0.00	1210.77	290.44	0.29
	19.281	210.88	290.55	4.50	324.00	0.00	0.00	1210.88	290.55	0.29
	19.291	210.96	290.69	4.50	336.00	0.00	0.00	1210.96	290.69	0.29
	19.301	211.01	290.84	4.50	348.00	0.00	0.00	1211.01	290.84	0.29

Cosmic Lighting Neptune 3 Ring Segment !Neptune 3 Ring Segment - EM

E	8.1	1199.58	307.77	4.50	0.00	0.00	0.00	1199.58	307.77	0.29
E	8.2	1199.56	307.92	4.50	12.00	0.00	0.00	1199.56	307.92	0.29
E	8.3	1199.51	308.07	4.50	24.00	0.00	0.00	1199.51	308.07	0.29
E	8.4	1199.43	308.21	4.50	36.00	0.00	0.00	1199.44	308.21	0.29
E	8.5	1199.33	308.32	4.50	48.00	0.00	0.00	1199.33	308.32	0.29
E	8.6	1199.20	308.42	4.50	60.00	0.00	0.00	1199.20	308.42	0.29
E	8.7	1199.06	308.48	4.50	72.00	0.00	0.00	1199.06	308.48	0.29
E	8.8	1198.91	308.51	4.50	84.00	0.00	0.00	1198.91	308.51	0.29
E	8.9	1198.75	308.51	4.50	96.00	0.00	0.00	1198.75	308.51	0.29
E	8.10	1198.60	308.48	4.50	108.00	0.00	0.00	1198.60	308.48	0.29
E	8.11	1198.45	308.42	4.50	120.00	0.00	0.00	1198.45	308.42	0.29
E	8.12	1198.33	308.32	4.50	132.00	0.00	0.00	1198.33	308.32	0.29
E	8.13	1198.22	308.21	4.50	144.00	0.00	0.00	1198.22	308.21	0.29
E	8.14	1198.14	308.07	4.50	156.00	0.00	0.00	1198.14	308.07	0.29
E	8.15	1198.09	307.92	4.50	168.00	0.00	0.00	1198.09	307.92	0.29
E	8.16	1198.08	307.77	4.50	180.00	0.00	0.00	1198.08	307.77	0.29
E	8.17	1198.09	307.61	4.50	192.00	0.00	0.00	1198.09	307.61	0.29
E	8.18	1198.14	307.46	4.50	204.00	0.00	0.00	1198.14	307.46	0.29
E	8.19	1198.22	307.33	4.50	216.00	0.00	0.00	1198.22	307.33	0.29
E	8.20	1198.33	307.21	4.50	228.00	0.00	0.00	1198.33	307.21	0.29
E	8.21	1198.45	307.12	4.50	240.00	0.00	0.00	1198.45	307.12	0.29
E	8.22	1198.60	307.05	4.50	252.00	0.00	0.00	1198.60	307.05	0.29
E	8.23	1198.75	307.02	4.50	264.00	0.00	0.00	1198.75	307.02	0.29
E	8.24	1198.91	307.02	4.50	276.00	0.00	0.00	1198.91	307.02	0.29
E	8.25	1199.06	307.05	4.50	288.00	0.00	0.00	1199.06	307.05	0.29
E	8.26	1199.20	307.12	4.50	300.00	0.00	0.00	1199.20	307.12	0.29
E	8.27	1199.33	307.21	4.50	312.00	0.00	0.00	1199.33	307.21	0.29
E	8.28	1199.43	307.33	4.50	324.00	0.00	0.00	1199.44	307.33	0.29
E	8.29	1199.51	307.46	4.50	336.00	0.00	0.00	1199.51	307.46	0.29
E	8.30	1199.56	307.61	4.50	348.00	0.00	0.00	1199.56	307.61	0.29
E	9.1	1203.14	299.38	4.50	0.00	0.00	0.00	1203.14	299.38	0.29
E	9.2	1203.13	299.54	4.50	12.00	0.00	0.00	1203.13	299.54	0.29
E	9.3	1203.08	299.69	4.50	24.00	0.00	0.00	1203.08	299.69	0.29
E	9.4	1203.00	299.82	4.50	36.00	0.00	0.00	1203.00	299.82	0.29
E	9.5	1202.90	299.94	4.50	48.00	0.00	0.00	1202.90	299.94	0.29
E	9.6	1202.77	300.03	4.50	60.00	0.00	0.00	1202.77	300.03	0.29
E	9.7	1202.63	300.09	4.50	72.00	0.00	0.00	1202.63	300.09	0.29
E	9.8	1202.47	300.13	4.50	84.00	0.00	0.00	1202.47	300.13	0.29
E	9.9	1202.32	300.13	4.50	96.00	0.00	0.00	1202.32	300.13	0.29
E	9.10	1202.16	300.09	4.50	108.00	0.00	0.00	1202.16	300.09	0.29
E	9.11	1202.02	300.03	4.50	120.00	0.00	0.00	1202.02	300.03	0.29
E	9.12	1201.89	299.94	4.50	132.00	0.00	0.00	1201.89	299.94	0.29
E	9.13	1201.79	299.82	4.50	144.00	0.00	0.00	1201.79	299.82	0.29
E	9.14	1201.71	299.69	4.50	156.00	0.00	0.00	1201.71	299.69	0.29
E	9.15	1201.66	299.54	4.50	168.00	0.00	0.00	1201.66	299.54	0.29
E	9.16	1201.64	299.38	4.50	180.00	0.00	0.00	1201.64	299.38	0.29
E	9.17	1201.66	299.23	4.50	192.00	0.00	0.00	1201.66	299.23	0.29
E	9.18	1201.71	299.08	4.50	204.00	0.00	0.00	1201.71	299.08	0.29
E	9.19	1201.79	298.94	4.50	216.00	0.00	0.00	1201.79	298.94	0.29
E	9.20	1201.89	298.82	4.50	228.00	0.00	0.00	1201.89	298.82	0.29
E	9.21	1202.02	298.73	4.50	240.00	0.00	0.00	1202.02	298.73	0.29
E	9.22	1202.16	298.67	4.50	252.00	0.00	0.00	1202.16	298.67	0.29
E	9.23	1202.32	298.64	4.50	264.00	0.00	0.00	1202.32	298.64	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 9.241202.47	298.64	4.50	276.00	0.00	0.00	1202.47	298.64	0.29
E 9.251202.63	298.67	4.50	288.00	0.00	0.00	1202.63	298.67	0.29
E 9.261202.77	298.73	4.50	300.00	0.00	0.00	1202.77	298.73	0.29
E 9.271202.90	298.82	4.50	312.00	0.00	0.00	1202.90	298.82	0.29
E 9.281203.00	298.94	4.50	324.00	0.00	0.00	1203.00	298.94	0.29
E 9.291203.08	299.08	4.50	336.00	0.00	0.00	1203.08	299.08	0.29
E 9.301203.13	299.23	4.50	348.00	0.00	0.00	1203.13	299.23	0.29
E 11.11207.05	307.80	4.50	0.00	0.00	0.00	1207.05	307.80	0.29
E 11.21207.03	307.95	4.50	12.00	0.00	0.00	1207.03	307.95	0.29
E 11.31206.98	308.10	4.50	24.00	0.00	0.00	1206.98	308.10	0.29
E 11.41206.91	308.24	4.50	36.00	0.00	0.00	1206.91	308.24	0.29
E 11.51206.80	308.35	4.50	48.00	0.00	0.00	1206.80	308.35	0.29
E 11.61206.67	308.45	4.50	60.00	0.00	0.00	1206.68	308.45	0.29
E 11.71206.53	308.51	4.50	72.00	0.00	0.00	1206.53	308.51	0.29
E 11.81206.38	308.54	4.50	84.00	0.00	0.00	1206.38	308.54	0.29
E 11.91206.22	308.54	4.50	96.00	0.00	0.00	1206.22	308.54	0.29
E 11.101206.07	308.51	4.50	108.00	0.00	0.00	1206.07	308.51	0.29
E 11.111205.92	308.45	4.50	120.00	0.00	0.00	1205.93	308.45	0.29
E 11.121205.80	308.35	4.50	132.00	0.00	0.00	1205.80	308.35	0.29
E 11.131205.69	308.24	4.50	144.00	0.00	0.00	1205.69	308.24	0.29
E 11.141205.61	308.10	4.50	156.00	0.00	0.00	1205.61	308.10	0.29
E 11.151205.57	307.95	4.50	168.00	0.00	0.00	1205.57	307.95	0.29
E 11.161205.55	307.80	4.50	180.00	0.00	0.00	1205.55	307.80	0.29
E 11.171205.57	307.64	4.50	192.00	0.00	0.00	1205.57	307.64	0.29
E 11.181205.61	307.49	4.50	204.00	0.00	0.00	1205.61	307.49	0.29
E 11.191205.69	307.36	4.50	216.00	0.00	0.00	1205.69	307.36	0.29
E 11.201205.80	307.24	4.50	228.00	0.00	0.00	1205.80	307.24	0.29
E 11.211205.92	307.15	4.50	240.00	0.00	0.00	1205.93	307.15	0.29
E 11.221206.07	307.08	4.50	252.00	0.00	0.00	1206.07	307.08	0.29
E 11.231206.22	307.05	4.50	264.00	0.00	0.00	1206.22	307.05	0.29
E 11.241206.38	307.05	4.50	276.00	0.00	0.00	1206.38	307.05	0.29
E 11.251206.53	307.08	4.50	288.00	0.00	0.00	1206.53	307.08	0.29
E 11.261206.67	307.15	4.50	300.00	0.00	0.00	1206.68	307.15	0.29
E 11.271206.80	307.24	4.50	312.00	0.00	0.00	1206.80	307.24	0.29
E 11.281206.91	307.36	4.50	324.00	0.00	0.00	1206.91	307.36	0.29
E 11.291206.98	307.49	4.50	336.00	0.00	0.00	1206.98	307.49	0.29
E 11.301207.03	307.64	4.50	348.00	0.00	0.00	1207.03	307.64	0.29
E 12.11215.04	307.80	4.50	0.00	0.00	0.00	1215.04	307.80	0.29
E 12.21215.02	307.95	4.50	12.00	0.00	0.00	1215.02	307.95	0.29
E 12.31214.98	308.10	4.50	24.00	0.00	0.00	1214.98	308.10	0.29
E 12.41214.90	308.24	4.50	36.00	0.00	0.00	1214.90	308.24	0.29
E 12.51214.79	308.35	4.50	48.00	0.00	0.00	1214.79	308.35	0.29
E 12.61214.67	308.45	4.50	60.00	0.00	0.00	1214.67	308.45	0.29
E 12.71214.52	308.51	4.50	72.00	0.00	0.00	1214.52	308.51	0.29
E 12.81214.37	308.54	4.50	84.00	0.00	0.00	1214.37	308.54	0.29
E 12.91214.21	308.54	4.50	96.00	0.00	0.00	1214.21	308.54	0.29
E 12.101214.06	308.51	4.50	108.00	0.00	0.00	1214.06	308.51	0.29
E 12.111213.92	308.45	4.50	120.00	0.00	0.00	1213.92	308.45	0.29
E 12.121213.79	308.35	4.50	132.00	0.00	0.00	1213.79	308.35	0.29
E 12.131213.68	308.24	4.50	144.00	0.00	0.00	1213.68	308.24	0.29
E 12.141213.61	308.10	4.50	156.00	0.00	0.00	1213.60	308.10	0.29
E 12.151213.56	307.95	4.50	168.00	0.00	0.00	1213.56	307.95	0.29
E 12.161213.54	307.80	4.50	180.00	0.00	0.00	1213.54	307.80	0.29
E 12.171213.56	307.64	4.50	192.00	0.00	0.00	1213.56	307.64	0.29
E 12.181213.61	307.49	4.50	204.00	0.00	0.00	1213.60	307.49	0.29
E 12.191213.68	307.36	4.50	216.00	0.00	0.00	1213.68	307.36	0.29
E 12.201213.79	307.24	4.50	228.00	0.00	0.00	1213.79	307.24	0.29
E 12.211213.92	307.15	4.50	240.00	0.00	0.00	1213.92	307.15	0.29
E 12.221214.06	307.08	4.50	252.00	0.00	0.00	1214.06	307.08	0.29

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 12.231214.21	307.05	4.50	264.00	0.00	0.00	1214.21	307.05	0.29
E 12.241214.37	307.05	4.50	276.00	0.00	0.00	1214.37	307.05	0.29
E 12.251214.52	307.08	4.50	288.00	0.00	0.00	1214.52	307.08	0.29
E 12.261214.67	307.15	4.50	300.00	0.00	0.00	1214.67	307.15	0.29
E 12.271214.79	307.24	4.50	312.00	0.00	0.00	1214.79	307.24	0.29
E 12.281214.90	307.36	4.50	324.00	0.00	0.00	1214.90	307.36	0.29
E 12.291214.98	307.49	4.50	336.00	0.00	0.00	1214.98	307.49	0.29
E 12.301215.02	307.64	4.50	348.00	0.00	0.00	1215.02	307.64	0.29
E 13.11211.02	299.17	4.50	0.00	0.00	0.00	1211.02	299.17	0.29
E 13.21211.01	299.33	4.50	12.00	0.00	0.00	1211.01	299.33	0.29
E 13.31210.96	299.47	4.50	24.00	0.00	0.00	1210.96	299.48	0.29
E 13.41210.88	299.61	4.50	36.00	0.00	0.00	1210.88	299.61	0.29
E 13.51210.77	299.73	4.50	48.00	0.00	0.00	1210.77	299.73	0.29
E 13.61210.65	299.82	4.50	60.00	0.00	0.00	1210.65	299.82	0.29
E 13.71210.50	299.88	4.50	72.00	0.00	0.00	1210.50	299.88	0.29
E 13.81210.35	299.92	4.50	84.00	0.00	0.00	1210.35	299.92	0.29
E 13.91210.19	299.92	4.50	96.00	0.00	0.00	1210.19	299.92	0.29
E 13.101210.04	299.88	4.50	108.00	0.00	0.00	1210.04	299.88	0.29
E 13.111209.90	299.82	4.50	120.00	0.00	0.00	1209.90	299.82	0.29
E 13.121209.77	299.73	4.50	132.00	0.00	0.00	1209.77	299.73	0.29
E 13.131209.67	299.61	4.50	144.00	0.00	0.00	1209.67	299.61	0.29
E 13.141209.59	299.47	4.50	156.00	0.00	0.00	1209.59	299.48	0.29
E 13.151209.54	299.33	4.50	168.00	0.00	0.00	1209.54	299.33	0.29
E 13.161209.52	299.17	4.50	180.00	0.00	0.00	1209.52	299.17	0.29
E 13.171209.54	299.01	4.50	192.00	0.00	0.00	1209.54	299.01	0.29
E 13.181209.59	298.86	4.50	204.00	0.00	0.00	1209.59	298.86	0.29
E 13.191209.67	298.73	4.50	216.00	0.00	0.00	1209.67	298.73	0.29
E 13.201209.77	298.61	4.50	228.00	0.00	0.00	1209.77	298.61	0.29
E 13.211209.90	298.52	4.50	240.00	0.00	0.00	1209.90	298.52	0.29
E 13.221210.04	298.46	4.50	252.00	0.00	0.00	1210.04	298.46	0.29
E 13.231210.19	298.42	4.50	264.00	0.00	0.00	1210.19	298.42	0.29
E 13.241210.35	298.42	4.50	276.00	0.00	0.00	1210.35	298.42	0.29
E 13.251210.50	298.46	4.50	288.00	0.00	0.00	1210.50	298.46	0.29
E 13.261210.65	298.52	4.50	300.00	0.00	0.00	1210.65	298.52	0.29
E 13.271210.77	298.61	4.50	312.00	0.00	0.00	1210.77	298.61	0.29
E 13.281210.88	298.73	4.50	324.00	0.00	0.00	1210.88	298.73	0.29
E 13.291210.96	298.86	4.50	336.00	0.00	0.00	1210.96	298.86	0.29
E 13.301211.01	299.01	4.50	348.00	0.00	0.00	1211.01	299.01	0.29
E 20.11207.05	291.00	4.50	0.00	0.00	0.00	1207.05	290.99	0.10
E 20.21207.03	291.15	4.50	12.00	0.00	0.00	1207.03	291.15	0.10
E 20.31206.98	291.30	4.50	24.00	0.00	0.00	1206.98	291.30	0.10
E 20.41206.91	291.44	4.50	36.00	0.00	0.00	1206.91	291.44	0.10
E 20.51206.80	291.55	4.50	48.00	0.00	0.00	1206.80	291.55	0.10
E 20.61206.67	291.64	4.50	60.00	0.00	0.00	1206.68	291.64	0.10
E 20.71206.53	291.71	4.50	72.00	0.00	0.00	1206.53	291.71	0.10
E 20.81206.38	291.74	4.50	84.00	0.00	0.00	1206.38	291.74	0.10
E 20.91206.22	291.74	4.50	96.00	0.00	0.00	1206.22	291.74	0.10
E 20.101206.07	291.71	4.50	108.00	0.00	0.00	1206.07	291.71	0.10
E 20.111205.92	291.64	4.50	120.00	0.00	0.00	1205.93	291.64	0.10
E 20.121205.80	291.55	4.50	132.00	0.00	0.00	1205.80	291.55	0.10
E 20.131205.69	291.44	4.50	144.00	0.00	0.00	1205.69	291.44	0.10
E 20.141205.61	291.30	4.50	156.00	0.00	0.00	1205.61	291.30	0.10
E 20.151205.57	291.15	4.50	168.00	0.00	0.00	1205.57	291.15	0.10
E 20.161205.55	291.00	4.50	180.00	0.00	0.00	1205.55	290.99	0.10
E 20.171205.57	290.84	4.50	192.00	0.00	0.00	1205.57	290.84	0.10
E 20.181205.61	290.69	4.50	204.00	0.00	0.00	1205.61	290.69	0.10
E 20.191205.69	290.55	4.50	216.00	0.00	0.00	1205.69	290.55	0.10
E 20.201205.80	290.44	4.50	228.00	0.00	0.00	1205.80	290.44	0.10
E 20.211205.92	290.35	4.50	240.00	0.00	0.00	1205.93	290.35	0.10

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

E 20.221206.07	290.28	4.50	252.00	0.00	0.00	1206.07	290.28	0.10
E 20.231206.22	290.25	4.50	264.00	0.00	0.00	1206.22	290.25	0.10
E 20.241206.38	290.25	4.50	276.00	0.00	0.00	1206.38	290.25	0.10
E 20.251206.53	290.28	4.50	288.00	0.00	0.00	1206.53	290.28	0.10
E 20.261206.67	290.35	4.50	300.00	0.00	0.00	1206.68	290.35	0.10
E 20.271206.80	290.44	4.50	312.00	0.00	0.00	1206.80	290.44	0.10
E 20.281206.91	290.55	4.50	324.00	0.00	0.00	1206.91	290.55	0.10
E 20.291206.98	290.69	4.50	336.00	0.00	0.00	1206.98	290.69	0.10
E 20.301207.03	290.84	4.50	348.00	0.00	0.00	1207.03	290.84	0.10
E 21.11215.04	291.00	4.50	0.00	0.00	0.00	1215.04	290.99	0.00
E 21.21215.02	291.15	4.50	12.00	0.00	0.00	1215.02	291.15	0.00
E 21.31214.98	291.30	4.50	24.00	0.00	0.00	1214.98	291.30	0.00
E 21.41214.90	291.44	4.50	36.00	0.00	0.00	1214.90	291.44	0.00
E 21.51214.79	291.55	4.50	48.00	0.00	0.00	1214.79	291.55	0.00
E 21.61214.67	291.64	4.50	60.00	0.00	0.00	1214.67	291.64	0.00
E 21.71214.52	291.71	4.50	72.00	0.00	0.00	1214.52	291.71	0.00
E 21.81214.37	291.74	4.50	84.00	0.00	0.00	1214.37	291.74	0.00
E 21.91214.21	291.74	4.50	96.00	0.00	0.00	1214.21	291.74	0.00
E 21.101214.06	291.71	4.50	108.00	0.00	0.00	1214.06	291.71	0.00
E 21.111213.92	291.64	4.50	120.00	0.00	0.00	1213.92	291.64	0.00
E 21.121213.79	291.55	4.50	132.00	0.00	0.00	1213.79	291.55	0.00
E 21.131213.68	291.44	4.50	144.00	0.00	0.00	1213.68	291.44	0.00
E 21.141213.61	291.30	4.50	156.00	0.00	0.00	1213.60	291.30	0.00
E 21.151213.56	291.15	4.50	168.00	0.00	0.00	1213.56	291.15	0.00
E 21.161213.54	291.00	4.50	180.00	0.00	0.00	1213.54	290.99	0.00
E 21.171213.56	290.84	4.50	192.00	0.00	0.00	1213.56	290.84	0.29
E 21.181213.61	290.69	4.50	204.00	0.00	0.00	1213.60	290.69	0.29
E 21.191213.68	290.55	4.50	216.00	0.00	0.00	1213.68	290.55	0.29
E 21.201213.79	290.44	4.50	228.00	0.00	0.00	1213.79	290.44	0.29
E 21.211213.92	290.35	4.50	240.00	0.00	0.00	1213.92	290.35	0.29
E 21.221214.06	290.28	4.50	252.00	0.00	0.00	1214.06	290.28	0.29
E 21.231214.21	290.25	4.50	264.00	0.00	0.00	1214.21	290.25	0.29
E 21.241214.37	290.25	4.50	276.00	0.00	0.00	1214.37	290.25	0.29
E 21.251214.52	290.28	4.50	288.00	0.00	0.00	1214.52	290.28	0.29
E 21.261214.67	290.35	4.50	300.00	0.00	0.00	1214.67	290.35	0.29
E 21.271214.79	290.44	4.50	312.00	0.00	0.00	1214.79	290.44	0.29
E 21.281214.90	290.55	4.50	324.00	0.00	0.00	1214.90	290.55	0.29
E 21.291214.98	290.69	4.50	336.00	0.00	0.00	1214.98	290.69	0.29
E 21.301215.02	290.84	4.50	348.00	0.00	0.00	1215.02	290.84	0.29

SYNERGY CLL Topaz LED Twin Spot (Single Head) TPZ_NM_2x6W_MT

XE 1.11175.52	323.01	7.47	7.63	12.95	-30.87	1179.83	325.32	0.00
XE 1.21175.52	322.74	7.47	352.37	-12.95	-30.87	1179.76	320.47	0.12
XE 1.31175.52	316.01	7.47	7.63	12.95	-30.87	1179.18	317.97	1.13
XE 1.41175.52	315.74	7.47	352.37	-12.95	-30.87	1179.83	313.43	0.00
XE 1.51175.52	307.76	7.47	7.63	12.95	-30.87	1177.46	308.80	4.11
XE 1.61175.52	307.49	7.47	352.37	-12.95	-30.87	1179.83	305.18	0.00
XE 1.71175.52	302.26	7.47	7.63	12.95	-30.87	1179.83	304.57	0.00
XE 1.81175.52	301.99	7.47	352.37	-12.95	-30.87	1179.81	299.69	0.04
XE 1.11184.30	301.99	7.47	187.63	12.95	-30.87	1184.01	301.83	6.96
XE 1.21184.30	302.25	7.47	172.37	-12.95	-30.87	1184.01	302.41	6.96
XE 1.31184.30	307.61	7.47	187.63	12.95	-30.87	1184.01	307.45	6.96
XE 1.41184.30	307.88	7.47	172.37	-12.95	-30.87	1184.01	308.04	6.96
XE 1.51184.30	315.78	7.47	187.63	12.95	-30.87	1184.01	315.63	6.96
XE 1.61184.30	316.05	7.47	172.37	-12.95	-30.87	1184.01	316.21	6.96
XE 1.71184.30	322.74	7.47	187.63	12.95	-30.87	1184.01	322.58	6.96
XE 1.81184.30	323.00	7.47	172.37	-12.95	-30.87	1184.01	323.16	6.96
XE 1.11163.49	304.36	3.29	30.00	0.00	-45.00	1166.31	305.99	0.04
XE 1.21163.49	304.03	3.29	330.00	-0.00	-45.00	1166.31	302.40	0.04

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

XE	2.11174.94	304.03	3.29	210.00	0.00	-45.00	1172.12	302.40	0.04
XE	2.21174.94	304.36	3.29	150.00	-0.00	-45.00	1172.12	305.99	0.04
XE	1.11164.13	294.82	3.29	30.00	0.00	-45.00	1166.95	296.45	0.04
XE	1.21164.13	294.49	3.29	330.00	-0.00	-45.00	1166.95	292.86	0.04
XE	2.11174.52	294.49	3.29	210.00	0.00	-45.00	1171.70	292.86	0.04
XE	2.21174.52	294.82	3.29	150.00	-0.00	-45.00	1171.70	296.45	0.04
XE	3.11164.13	287.79	3.29	30.00	0.00	-45.00	1166.95	289.41	0.04
XE	3.21164.13	287.46	3.29	330.00	-0.00	-45.00	1166.95	285.83	0.04
XE	4.11174.52	287.46	3.29	210.00	0.00	-45.00	1171.70	285.83	0.04
XE	4.21174.52	287.79	3.29	150.00	-0.00	-45.00	1171.70	289.41	0.04

E : Active in Emergency
X : Off for general artificial light

Structural elements

Measuring surface

No.	xm[m]	ym[m]	zm[m]	Length	Width	Height	Rotation angle z axis	L axis
Sports Hall								
M 2.1	1144.00	292.80	0.40	18.30	33.80	0.00	0.00	0.00
Equipment Store								
M 2.2	1145.30	328.00	0.40	17.20	2.30	0.00	0.00	0.00
Recpetion								
M 2.3	1164.20	322.10	0.40	10.10	8.10	0.00	0.00	0.00
Changing Room								
M 2.4	1164.50	311.70	0.40	10.10	8.40	0.00	0.00	0.00
Circulation								
M 2.5	1163.90	309.30	0.40	8.00	1.30	0.00	0.00	0.00
Atrium								
M 2.6	1176.50	300.80	0.40	6.80	24.90	0.00	0.00	0.00
Cafe								
M 2.7	1185.20	321.50	0.40	18.90	18.60	0.00	0.00	0.00
First Aid								
M 2.8	1189.50	317.40	0.40	2.30	3.10	0.00	0.00	0.00
WC								
M 2.9	1185.20	314.80	0.40	3.50	5.70	0.00	0.00	0.00
WC								
M 2.10	1192.60	314.70	0.40	3.50	5.50	0.00	0.00	0.00
Tuck Shop								
M 2.11	1189.40	314.80	0.75	2.50	1.70	0.00	0.00	0.00
Youth Club Messy								
M 2.12	1185.20	306.70	0.40	10.60	7.00	0.00	0.00	0.00
Youth Club Clean								
M 2.13	1185.20	298.70	0.40	10.60	7.00	0.00	0.00	0.00
Function 2 50P								
M 2.14	1197.40	298.70	0.40	6.40	11.60	0.00	0.00	0.00
Function 1 150P								
M 2.15	1205.00	289.20	0.40	11.10	19.13	0.00	0.00	0.00
Stage Store								
M 2.17	1207.15	312.20	0.40	8.28	4.00	0.00	0.00	0.00
Kitchen								
M 2.18	1205.30	317.50	0.40	10.60	2.70	0.00	0.00	0.00
Dial-a-Ride Facility								
M 2.19	1205.30	321.40	0.40	10.60	5.30	0.00	0.00	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Training Pool							
M 2.2(	1165.90	299.20	0.40	7.00	6.70	0.00	0.00	0.00
Inside Pool							
M 2.2'	1165.90	284.99	0.40	7.00	11.09	0.00	0.00	0.00
Football Changing							
M 2.2(	1145.20	286.60	0.40	14.20	4.80	0.00	0.00	0.00
1st Floor Walkway							
M 2.2(	1163.60	300.00	4.00	52.09	20.70	0.00	90.00	0.00
1st Floor Gym							
M 2.2	1165.90	312.10	4.00	9.80	14.60	0.00	0.00	0.00
1st Floor Well Being Studio							
M 2.2	1165.90	299.80	4.00	4.90	8.30	0.00	0.00	0.00
1st Floor WC							
M 2.2(	1172.10	303.50	4.00	2.40	4.60	0.00	0.00	0.00
1st Floor Store							
M 2.2(	1172.10	299.30	4.00	2.40	3.00	0.00	0.00	0.00
1st Floor Library / Soft Play							
M 2.2	1185.20	311.90	4.00	10.70	8.60	0.00	0.00	0.00
1st Floor Meeting Room							
M 2.2	1185.20	298.80	4.00	10.70	9.70	0.00	0.00	0.00
1st Floor Space top Let							
M 2.3(	1205.20	312.40	4.00	10.20	13.66	0.00	0.00	0.00
1st Floor Music Studio							
M 2.3'	1211.00	312.50	4.00	4.00	4.00	0.00	0.00	0.00
Stage							
M 2.3	1206.70	309.23	1.10	9.14	1.72	0.00	0.00	0.00
Outside							
M 2.3(	1165.90	272.26	0.40	7.00	11.09	0.00	0.00	0.00
Round Terrace							
M 3.1	1200.00	278.80	0.15	19.00	19.00	0.00	0.00	0.00
Terrace Entrance							
M 3.2	1178.70	298.10	0.15	11.70	18.20	0.00	270.00	0.00
GF Terrace							
M 3.3	1185.60	293.90	0.15	10.50	3.20	0.00	0.00	0.00
GF Terrace							
M 3.4	1197.30	297.10	0.25	6.60	8.40	0.00	270.00	0.00
Outdoor Pitch							
M 3.5	1143.90	254.50	0.15	14.30	26.90	0.00	0.00	0.00
Ride Side							
M 3.6	1136.00	266.20	0.19	5.80	60.20	0.00	0.00	0.00
Under Cover Parking							
M 3.7	1149.00	357.20	0.12	23.60	4.00	0.00	0.00	0.00
Under Cover Parking							
M 3.8	1149.00	346.20	0.12	23.60	4.00	0.00	0.00	0.00
Under Cover Parking							
M 3.9	1187.70	357.20	0.12	33.70	4.00	0.00	0.00	0.00
Under Cover Parking							
M 3.1(	1187.70	346.20	0.12	33.50	4.00	0.00	0.00	0.00
Parking Area							
M 3.1'	1140.00	332.10	0.12	193.30	55.40	0.00	0.00	0.00
Community Growing Area							
M 3.1	1193.70	377.30	0.00	66.03	94.44	0.00	68.05	0.00
Unit Parking							
M 3.1	1218.10	330.90	0.12	53.10	32.00	0.00	270.00	0.00
Unit Lighting Rear							
M 3.1	1221.60	298.00	0.07	44.80	11.40	0.00	270.00	0.00
FF Terrace							
M 3.1	1185.60	293.90	3.38	10.50	3.20	0.00	0.00	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Others

No.	xm[m]	ym[m]	zm[m]	Length	Width	Height	Rotation angle z axis	L axis	Q axis
A 1.1	1222.86	289.03	0.00	21.70	9.07	8.00	0.00	0.00	0.00
A 1.2	1246.46	289.03	0.00	14.41	9.07	8.00	0.00	0.00	0.00
A 1.3	1222.86	321.27	0.00	21.70	9.07	8.00	0.00	0.00	0.00
A 1.4	1246.46	321.27	0.00	14.41	9.07	8.00	0.00	0.00	0.00
A 3.1	1143.03	356.72	0.00	31.08	9.92	0.10	270.10	0.00	0.00
A 3.2	1185.97	361.72	0.00	77.03	34.83	0.10	0.00	0.00	0.00
A 3.3	1147.15	371.90	0.00	26.22	8.00	0.10	90.00	0.00	0.00
A 3.4	1128.99	367.50	0.00	138.98	89.91	0.10	354.65	0.00	0.00
A 3.5	1201.95	379.31	0.00	22.09	22.11	0.10	47.04	0.00	0.00
A 3.6	1065.11	371.37	0.00	213.44	119.60	0.05	358.33	0.00	0.00
A 3.7	1170.40	337.52	0.00	4.71	2.20	0.10	359.99	0.00	0.00
A 3.9	1129.48	327.26	0.00	75.37	75.71	0.10	270.00	0.00	0.00
A 3.10	1204.83	264.36	0.00	68.94	48.73	0.10	21.47	0.00	0.00
A 3.8	1185.11	337.52	0.00	4.71	2.20	0.10	0.02	0.00	0.00
A 1.1	1148.70	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
Tr 1.1	1172.90	350.70	4.60	24.46	5.01	0.98	0.00	-79.80	-90.00
A 1.2	1153.50	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 1.3	1158.30	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 1.4	1163.10	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 1.5	1167.90	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 1.6	1172.70	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.1	1197.30	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
Tr 2.1	1221.50	350.70	4.60	34.26	5.01	0.98	0.00	-79.80	-90.00
A 2.2	1202.10	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.3	1206.90	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.4	1211.70	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.5	1216.50	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.6	1221.30	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.7	1192.50	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 2.8	1187.60	348.40	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 3.1	1148.70	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
Tr 3.1	1172.90	361.80	4.60	24.46	5.01	0.98	0.00	-79.80	-90.00
A 3.2	1153.50	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 3.3	1158.30	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 3.4	1163.10	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 3.5	1167.90	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 3.6	1172.70	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.1	1197.30	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
Tr 4.1	1221.50	361.80	4.60	34.26	5.01	0.98	0.00	-79.80	-90.00
A 4.2	1202.10	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.3	1206.90	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.4	1211.70	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.5	1216.50	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.6	1221.30	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.7	1192.50	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
A 4.8	1187.60	359.50	0.20	0.15	3.80	4.30	0.00	90.00	-90.00
Tr 7.1	1163.70	331.10	0.00	11.20	0.08	3.26	0.00	0.00	0.00
Tr 7.2	1185.00	331.10	0.00	29.10	0.10	3.26	0.00	0.00	0.00
A 7.1	1184.80	327.10	0.10	9.50	0.05	9.50	0.00	90.00	0.00
A 7.2	1184.80	299.50	0.10	9.50	0.05	9.50	0.00	90.00	0.00
A 7.3	1193.50	327.10	3.70	6.40	0.05	5.10	0.00	90.00	0.00
A 7.4	1209.30	327.10	3.70	4.60	0.05	4.60	0.00	90.00	0.00
A 7.5	1201.70	327.10	3.70	4.60	0.05	4.00	0.00	90.00	0.00
A 7.6	1172.70	327.10	3.70	8.90	0.05	5.10	0.00	90.00	0.00
Tr 7.3	1142.70	318.50	0.00	0.47	7.10	3.26	270.00	0.00	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Tr 7.4	1142.70	307.60	0.00	0.47	7.10	3.26	270.00	0.00	0.00
Tr 7.5	1144.30	291.10	1.80	0.05	4.60	1.26	270.00	0.00	0.00
Tr 7.6	1144.70	285.40	1.80	4.60	0.05	1.26	0.00	0.00	0.00
Tr 7.7	1153.40	285.40	1.80	4.60	0.05	1.26	0.00	0.00	0.00
Tr 7.8	1150.00	285.40	0.10	2.70	0.05	1.96	0.00	0.00	0.00
Tr 7.9	1163.50	283.85	0.00	0.13	2.40	3.56	270.00	0.00	0.00
Tr 7.10	1175.00	283.75	0.00	0.13	2.40	6.56	270.00	0.00	0.00
A 7.7	1196.50	297.50	0.10	11.40	0.05	9.00	0.00	90.00	0.00
A 7.8	1204.20	297.50	0.10	7.20	0.05	8.50	0.00	90.00	0.00
Tr 7.1	1184.80	297.70	0.00	0.13	4.10	6.56	270.00	0.00	0.00
Tr 7.11	1196.50	297.70	0.00	0.13	4.10	6.56	270.00	0.00	0.00
Tr 7.12	1196.50	293.90	3.20	11.50	0.13	1.00	180.00	0.00	0.00
A 7.9	1210.40	288.50	0.10	5.50	0.05	6.60	0.00	90.00	0.00
Tr 7.14	1204.40	292.00	0.00	0.13	3.50	5.60	270.00	0.00	0.00
Tr 7.10	1215.23	329.93	0.00	0.13	1.76	2.64	270.00	0.00	0.00
Tr 7.15	1216.40	303.20	0.00	0.13	22.40	5.60	90.00	0.00	0.00
Tr 7.17	1184.06	300.30	6.74	8.55	26.00	3.15	90.00	-70.96	0.00
Tr 7.18	1197.01	308.50	7.15	7.65	3.20	2.19	90.00	75.51	0.00
A 8.1	1178.17	298.71	0.00	31.81	30.01	0.10	270.00	0.00	0.00
A 8.2	1181.92	298.78	0.00	28.61	12.44	0.10	270.00	0.00	0.00
A 8.3	1177.40	275.06	0.00	35.46	27.47	0.05	88.61	0.00	0.00
Additions									
Tr 9.1	1216.70	327.35	0.00	1.30	0.13	3.40	0.00	0.00	0.00
Tr 9.2	1143.88	327.35	0.00	1.30	0.13	3.40	0.00	0.00	0.00
Tr 9.3	1204.19	297.95	-0.00	0.21	6.40	8.96	270.00	0.00	0.00
A 9.1	1184.79	297.51	2.92	11.92	4.01	0.40	0.00	90.00	0.00
A 10.1	1184.70	327.14	-0.13	10.43	0.30	10.07	270.00	86.91	-90.00
A 10.2	1184.70	327.84	-0.13	10.43	0.20	10.07	270.00	86.91	-90.00
A 10.3	1184.70	328.74	-0.13	10.43	0.20	10.07	270.00	86.91	-90.00
A 10.4	1184.70	329.74	-0.13	10.43	0.20	10.07	270.00	86.91	-90.00
A 10.5	1184.70	330.64	-0.13	10.43	0.20	10.07	270.00	86.91	-90.00
Tr 12.	1204.28	292.24	5.57	6.28	4.46	1.88	90.00	74.08	-90.00
Tr 12.	1163.40	299.27	3.78	11.80	19.10	3.20	90.00	75.00	-90.00
A 13.1	1163.11	298.59	3.50	53.67	29.12	0.20	0.00	0.00	0.00
A 13.2	1175.18	311.35	3.50	9.83	0.20	6.30	0.00	90.00	180.00
A 13.3	1216.59	311.55	3.60	12.24	0.20	5.53	0.00	90.00	180.00
A 13.4	1165.73	308.95	-0.30	2.25	0.10	3.79	0.00	90.00	180.00
A 13.8	1175.18	308.95	-0.30	9.73	0.10	10.20	0.00	90.00	180.00
Tr 13.	1165.40	299.30	3.50	0.12	9.60	3.84	90.00	0.00	0.00
Tr 13.	1171.30	299.50	3.50	0.12	9.40	5.34	90.00	0.00	0.00
A 13.1	1162.90	297.80	3.50	12.20	11.30	0.25	0.00	0.00	0.00
A 13.5	1175.18	299.25	3.50	11.73	0.20	6.50	0.00	90.00	180.00
Tr 13.	1163.30	292.20	0.00	0.10	17.00	3.54	90.00	0.00	0.00
Tr 13.	1163.49	299.35	3.70	0.11	7.40	3.26	270.00	0.00	0.00
Tr 13.	1163.30	309.10	0.00	1.20	0.10	3.54	0.00	0.00	0.00
Tr 13.	1165.30	311.40	3.50	2.25	10.45	3.26	90.00	0.00	0.00
Tr 13.	1163.10	327.30	3.60	0.21	5.70	3.16	270.00	0.00	0.00
Tr 13.	1184.40	321.50	3.70	12.30	4.80	1.20	0.00	0.00	0.00
Tr 13.	1196.70	316.30	3.70	0.45	4.80	3.56	270.00	0.00	0.00
Tr 13.	1171.50	299.30	3.50	0.12	9.70	3.84	90.00	0.00	0.00
Tr 13.	1171.50	302.90	3.50	3.70	0.12	3.84	0.00	0.00	0.00
A 13.6	1196.99	308.75	3.60	12.24	0.20	5.30	0.00	90.00	180.00
Tr 13.	1196.20	308.80	3.50	0.45	10.60	3.84	270.00	0.00	0.00
Tr 13.	1163.20	321.80	3.50	0.13	22.70	1.00	270.00	0.00	0.00
Tr 13.	1175.30	311.50	3.50	3.80	0.13	1.00	0.00	0.00	0.00
Tr 13.	1180.80	311.50	3.50	3.30	0.13	1.00	0.00	0.00	0.00
Tr 13.	1175.20	308.80	3.50	9.20	0.13	1.00	0.00	0.00	0.00
Tr 13.	1198.60	311.50	3.50	5.80	0.13	1.00	0.00	0.00	0.00

2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

Tr 13.	1196.60	308.90	3.50	19.90	0.13	1.00	0.00	0.00	0.00
A 13.7	1216.59	317.15	3.60	6.34	0.20	3.93	0.00	90.00	180.00
Tr 13.	1210.20	311.60	3.50	0.34	5.70	3.80	90.00	0.00	0.00
Tr 13.	1204.41	311.71	3.42	0.36	15.35	5.46	90.00	0.00	0.00
Tr 15.	1175.30	321.00	0.00	11.90	10.10	3.50	0.00	0.00	0.00
Tr 15.	1175.00	321.00	0.00	0.54	9.91	3.50	271.16	0.00	0.00
Tr 15.	1163.30	311.50	0.00	0.34	2.70	3.50	270.00	0.00	0.00
Tr 15.	1163.30	331.20	0.00	0.34	9.50	3.50	270.00	0.00	0.00
Tr 15.	1144.00	327.20	0.00	19.50	0.34	3.50	0.00	0.00	0.00
Tr 15.	1184.70	321.00	0.00	12.10	9.50	3.50	0.00	0.00	0.00
Tr 15.	1184.60	314.20	0.00	12.00	0.29	3.50	0.00	0.00	0.00
Tr 15.	1189.00	314.40	0.00	0.10	4.70	3.50	90.00	0.00	0.00
Tr 15.	1192.20	319.00	0.00	0.10	4.50	3.50	270.00	0.00	0.00
Tr 15.	1189.10	316.90	0.00	3.10	0.10	3.50	0.00	0.00	0.00
Tr 15.	1184.60	306.00	0.00	12.00	0.29	3.50	0.00	0.00	0.00
Tr 15.	1204.40	297.80	0.00	0.10	4.60	3.50	90.00	0.00	0.00
Tr 15.	1204.40	306.30	0.00	0.10	6.00	3.50	90.00	0.00	0.00
Tr 15.	1204.40	311.60	0.00	0.53	19.50	3.50	90.00	0.00	0.00
Tr 15.	1204.70	321.00	0.00	11.80	0.36	3.50	0.00	0.00	0.00
Tr 15.	1204.70	317.00	0.00	11.80	0.36	3.50	0.00	0.00	0.00
Tr 15.	1204.70	311.80	0.00	11.80	0.36	3.50	0.00	0.00	0.00
Tr 15.	1204.40	297.80	3.50	0.10	11.05	5.53	90.00	0.00	0.00
Tr 1.1	1206.31	317.01	0.00	0.20	5.26	3.80	270.00	0.00	0.00
A 16.1	1206.32	308.87	0.00	10.10	2.33	1.00	0.00	0.00	0.00
Tr 16.	1206.32	311.39	0.00	0.16	2.49	3.67	270.00	0.00	0.00
A 1.1	1204.28	291.59	9.16	6.10	0.55	3.55	270.00	90.00	92.84
Tr 1.2	1172.12	310.95	0.00	0.16	1.93	3.55	270.00	0.00	0.00
A 1.1	1172.55	387.89	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 2.1	1155.73	387.89	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 3.1	1141.29	387.89	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 4.1	1126.91	387.89	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 5.1	1112.47	387.89	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 6.1	1096.11	387.89	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 7.1	1070.58	371.54	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 8.1	1085.08	371.54	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 9.1	1112.36	371.54	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 10.1	1124.32	371.54	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 11.1	1153.37	371.54	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 12.1	1172.32	366.85	0.00	0.28	0.28	6.00	134.35	0.00	0.00
A 13.1	1187.27	365.52	0.00	0.28	0.28	6.00	221.67	0.00	0.00
A 14.1	1184.11	380.32	0.00	0.26	0.26	6.00	336.96	0.00	0.00
A 15.1	1202.84	367.54	0.00	0.20	0.20	6.00	179.13	0.00	0.00
A 16.1	1242.23	359.11	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 17.1	1260.14	345.58	0.00	0.20	0.20	6.00	270.00	0.00	0.00
A 18.1	1242.28	331.36	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 19.1	1211.53	332.42	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 20.1	1193.91	332.42	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 21.1	1167.63	332.42	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 22.1	1150.02	332.42	0.00	0.20	0.20	6.00	180.00	0.00	0.00
A 23.1	1138.38	345.60	0.00	0.20	0.20	6.00	90.00	0.00	0.00
A 24.1	1138.38	360.60	0.00	0.20	0.20	6.00	90.00	0.00	0.00
A 25.1	1217.69	322.06	0.00	0.20	0.20	6.00	90.00	0.00	0.00
A 26.1	1217.69	303.78	0.00	0.20	0.20	6.00	90.00	0.00	0.00
A 27.1	1266.97	313.38	0.00	0.20	0.20	6.00	0.00	0.00	0.00
A 56.1	1142.90	282.33	0.00	0.28	0.28	8.00	315.00	0.00	0.00
A 56.2	1142.75	272.90	0.00	0.20	0.20	8.00	0.00	0.00	0.00
A 56.3	1142.81	253.29	0.00	0.28	0.28	8.00	45.00	0.00	0.00
A 56.4	1142.75	262.40	0.00	0.20	0.20	8.00	0.00	0.00	0.00

2 Exterior 1

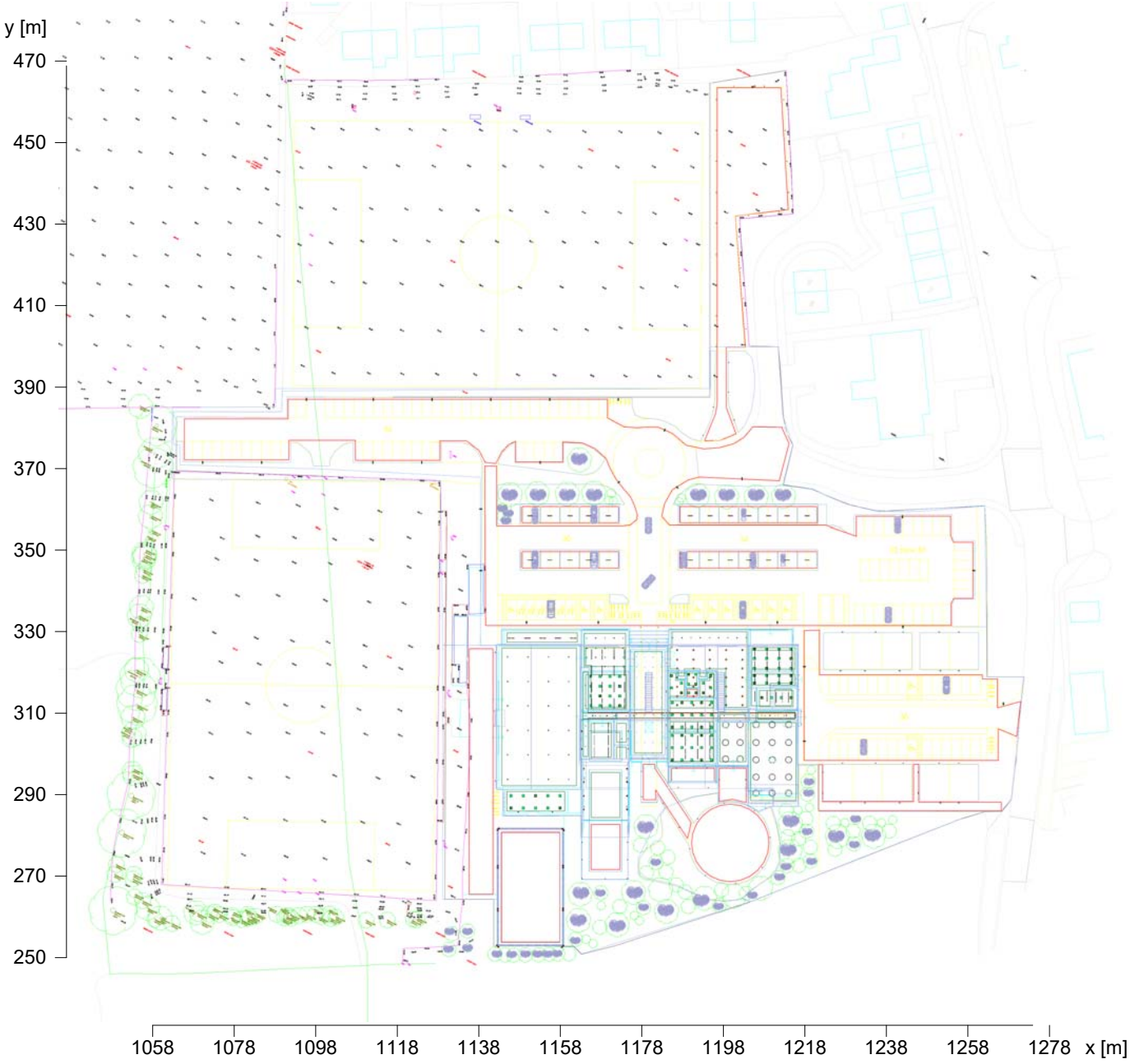
2.1 Description, Exterior 1

2.1.1 Luminaire data/Room elements

A 56.5	1159.07	253.24	0.00	0.28	0.28	8.00	135.00	0.00	0.00
A 56.6	1159.23	262.51	0.00	0.20	0.20	8.00	180.00	0.00	0.00
A 56.7	1159.16	282.28	0.00	0.28	0.28	8.00	225.00	0.00	0.00
A 56.8	1159.23	273.01	0.00	0.20	0.20	8.00	180.00	0.00	0.00

2.1 Description, Exterior 1

2.1.2 Floor plan



2.1 Description, Exterior 1

2.1.3 3D view, View 1



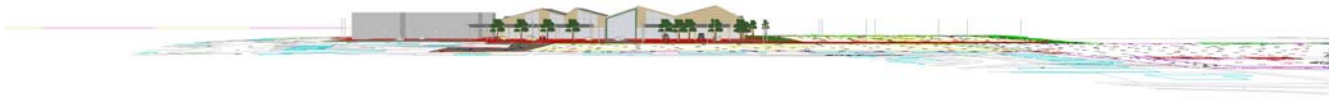
2.1 Description, Exterior 1

2.1.4 3D view, View from the front



2.1 Description, Exterior 1

2.1.5 3D view, View from the back



2.1 Description, Exterior 1

2.1.6 3D view, View from the left



2.1 Description, Exterior 1

2.1.7 3D view, View from the right

2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Sports Hall





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	505 lx
Minimum illuminance	E_{min}	358 lx
Maximum illuminance	E_{max}	566 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.41 (0.71)
Diversity U_d	E_{min}/E_{max}	1:1.58 (0.63)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Sports Hall

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Sports Hall

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

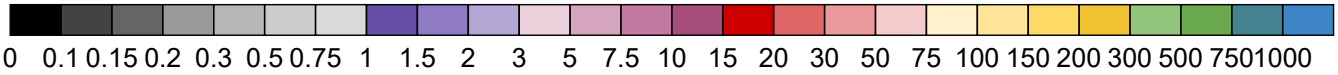
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.2 Result overview, Equipment Store





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	203 lx
Minimum illuminance	E_{min}	154 lx
Maximum illuminance	E_{max}	249 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.32 (0.76)
Diversity U_d	E_{min}/E_{max}	1:1.62 (0.62)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.2 Result overview, Equipment Store

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.2 Result overview, Equipment Store

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

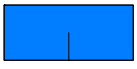
22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

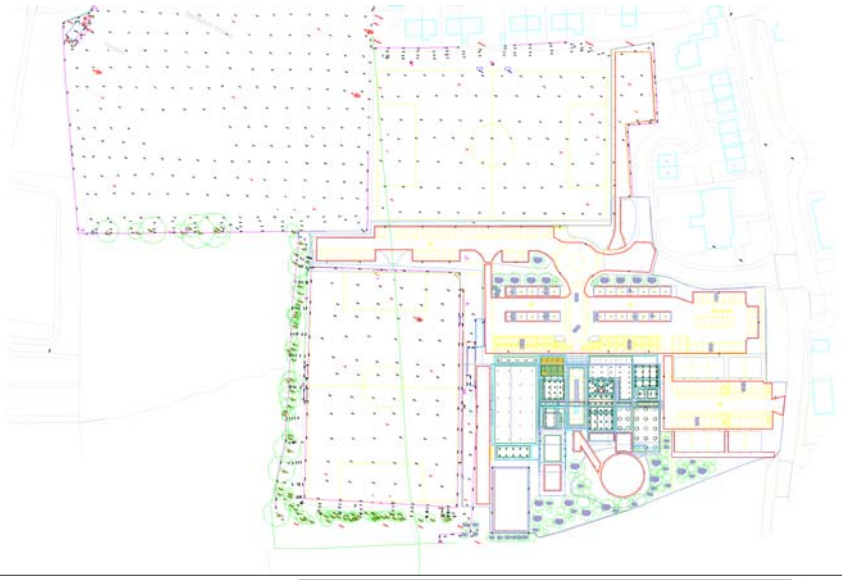
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

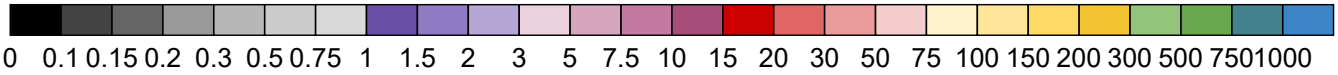
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.3 Result overview, Recpetion





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	300 lx
Minimum illuminance	E_{min}	133 lx
Maximum illuminance	E_{max}	399 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.25 (0.44)
Diversity U_d	E_{min}/E_{max}	1:2.99 (0.33)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.3 Result overview, Recpetion

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.3 Result overview, Recpetion

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

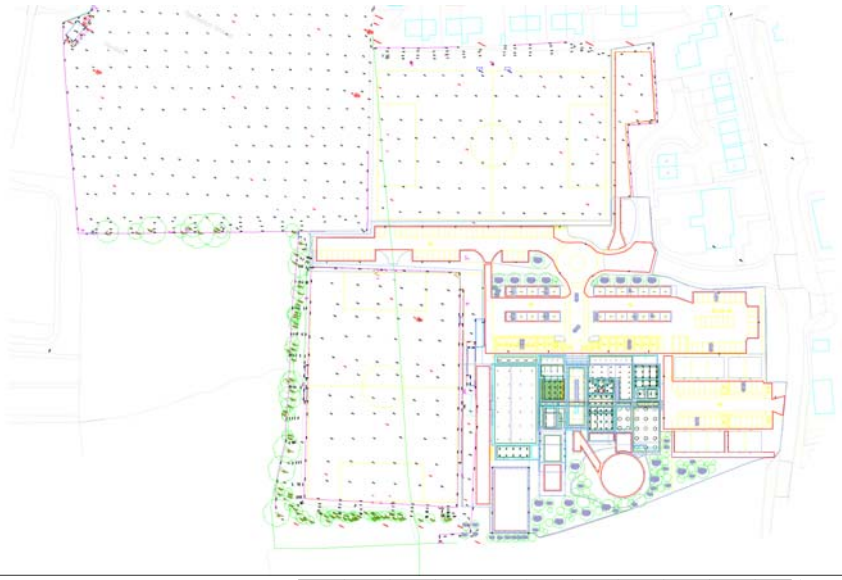
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

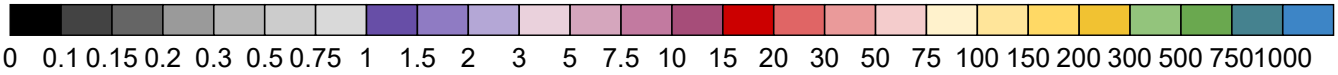
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.4 Result overview, Changing Room





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	364 lx
Minimum illuminance	E_{min}	191 lx
Maximum illuminance	E_{max}	448 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.91 (0.52)
Diversity U_d	E_{min}/E_{max}	1:2.35 (0.43)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.4 Result overview, Changing Room

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.4 Result overview, Changing Room

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

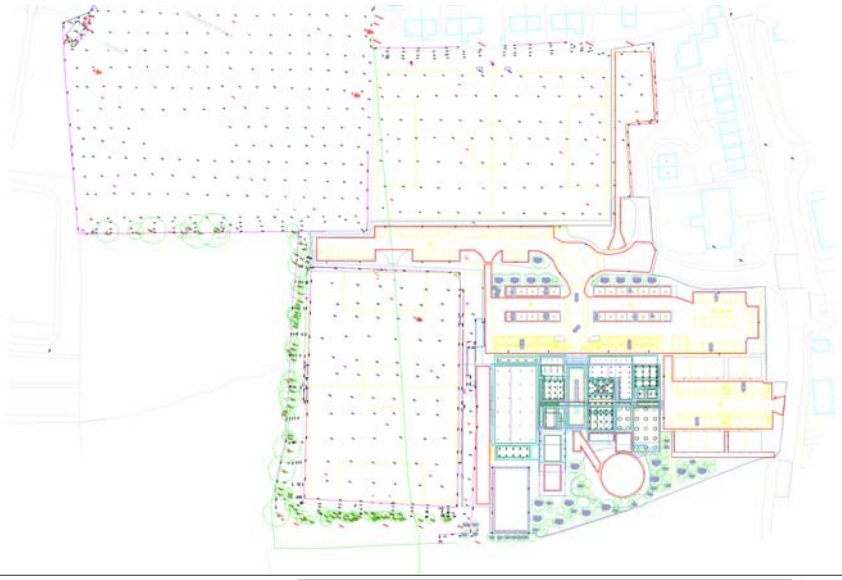
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

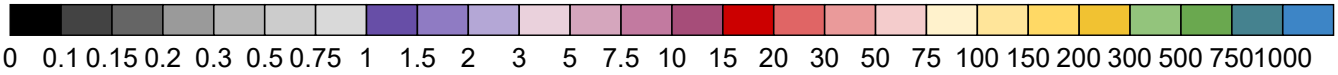
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.5 Result overview, Circulation





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	332 lx
Minimum illuminance	E_{min}	222 lx
Maximum illuminance	E_{max}	384 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.5 (0.67)
Diversity U_d	E_{min}/E_{max}	1:1.73 (0.58)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.5 Result overview, Circulation

3 23 x

Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x

Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x

Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x

Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x

Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x

Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x

Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x

Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x

Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x

Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x

Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x

Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x

Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.5 Result overview, Circulation

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

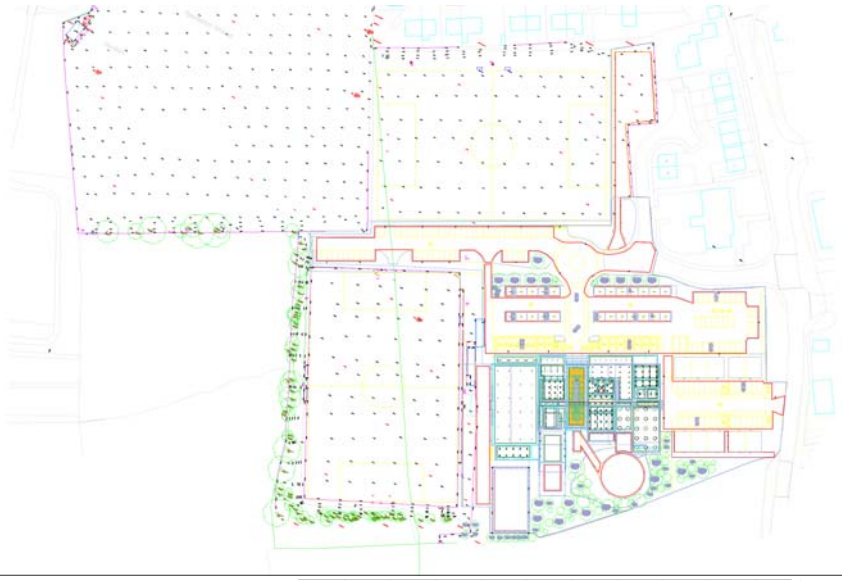
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.6 Result overview, Atrium





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	312 lx
Minimum illuminance	E_{min}	155 lx
Maximum illuminance	E_{max}	461 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.01 (0.5)
Diversity U_d	E_{min}/E_{max}	1:2.97 (0.34)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.6 Result overview, Atrium

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.6 Result overview, Atrium

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

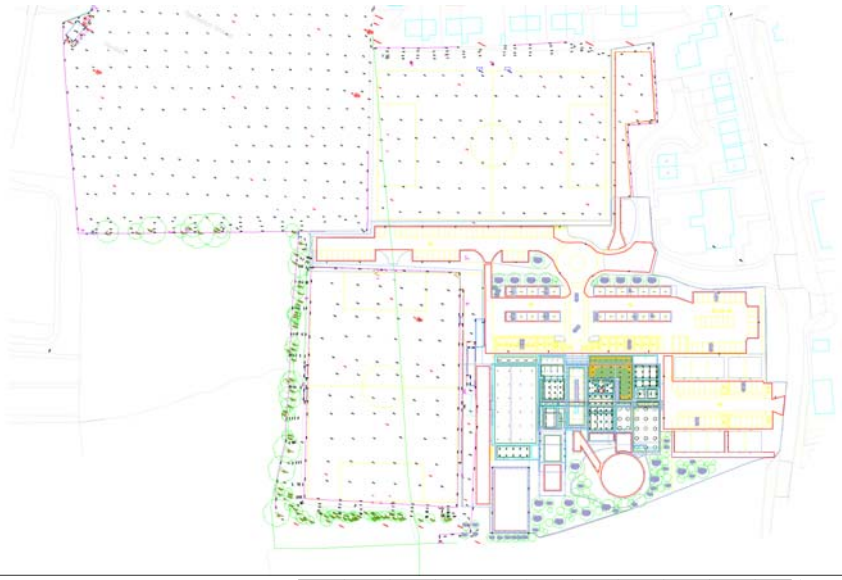
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

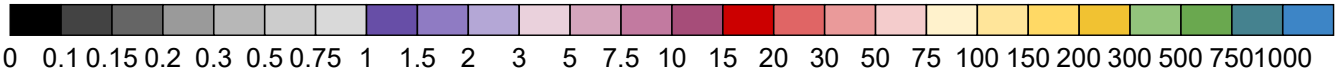
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.7 Result overview, Cafe





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	312 lx
Minimum illuminance	E_{min}	198 lx
Maximum illuminance	E_{max}	482 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.58 (0.63)
Diversity U_d	E_{min}/E_{max}	1:2.43 (0.41)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.7 Result overview, Cafe

3 23 x

Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x

Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x

Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x

Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x

Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x

Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x

Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x

Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x

Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x

Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x

Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x

Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x

Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.7 Result overview, Cafe

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

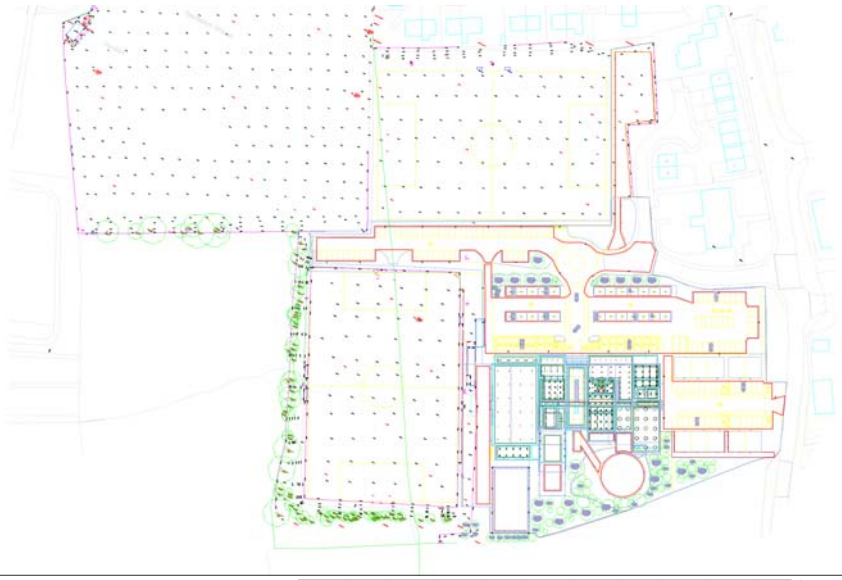
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

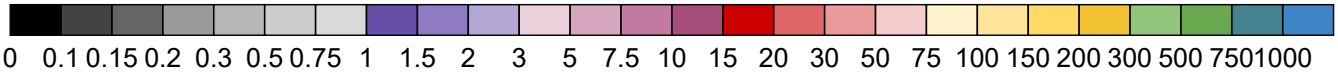
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.8 Result overview, First Aid





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	385 lx
Minimum illuminance	E_{min}	328 lx
Maximum illuminance	E_{max}	423 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.18 (0.85)
Diversity U_d	E_{min}/E_{max}	1:1.29 (0.77)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.8 Result overview, First Aid

3 23 x

Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x

Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x

Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x

Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x

Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x

Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x

Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x

Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x

Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x

Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x

Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x

Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x

Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.8 Result overview, First Aid

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

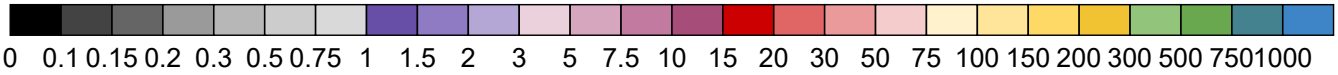
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.9 Result overview, WC





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	274 lx
Minimum illuminance	E_{min}	178 lx
Maximum illuminance	E_{max}	329 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.54 (0.65)
Diversity U_d	E_{min}/E_{max}	1:1.85 (0.54)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.9 Result overview, WC

3 23 x

Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x

Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x

Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x

Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x

Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x

Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x

Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x

Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x

Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x

Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x

Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x

Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x

Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.9 Result overview, WC

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

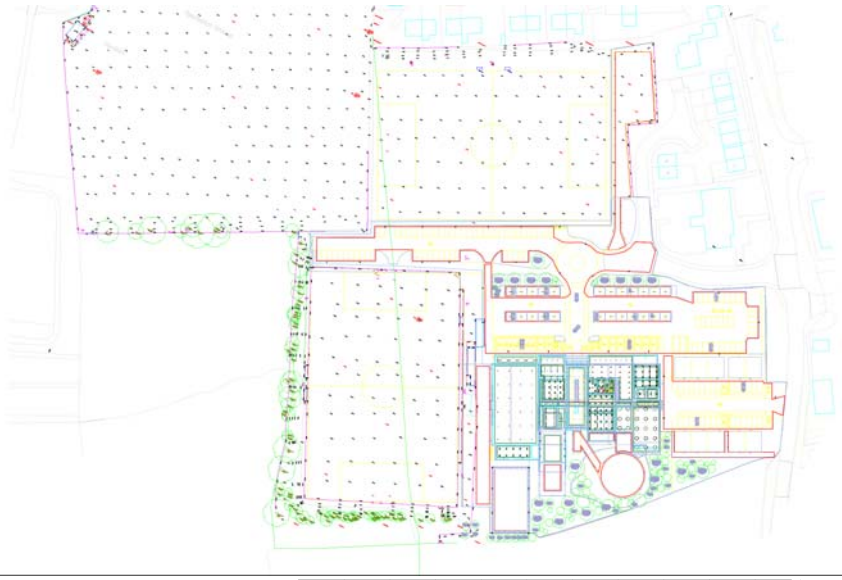
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.10 Result overview, WC





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	280 lx
Minimum illuminance	E_{min}	159 lx
Maximum illuminance	E_{max}	357 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.76 (0.57)
Diversity U_d	E_{min}/E_{max}	1:2.25 (0.45)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.10 Result overview, WC

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.10 Result overview, WC

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

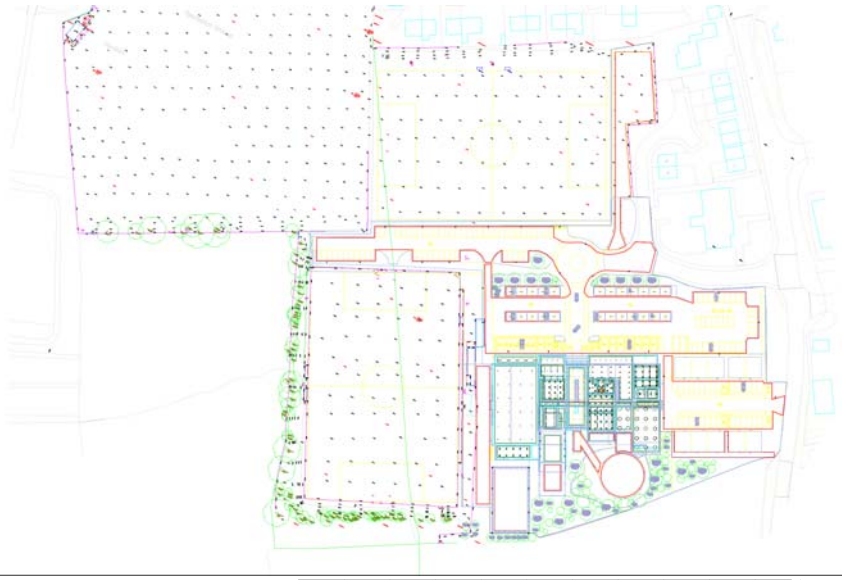
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

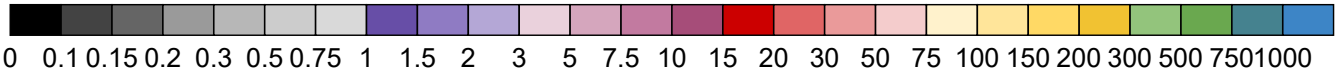
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.11 Result overview, Tuck Shop





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.75 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	292 lx
Minimum illuminance	E_{min}	243 lx
Maximum illuminance	E_{max}	324 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.2 (0.83)
Diversity U_d	E_{min}/E_{max}	1:1.33 (0.75)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.11 Result overview, Tuck Shop

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.11 Result overview, Tuck Shop

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

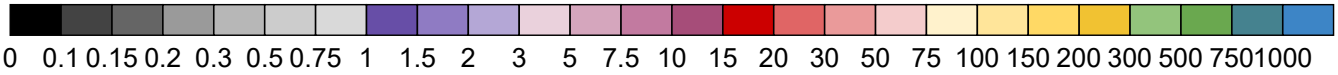
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.12 Result overview, Youth Club Messy





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	369 lx
Minimum illuminance	E_{min}	278 lx
Maximum illuminance	E_{max}	404 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.33 (0.75)
Diversity U_d	E_{min}/E_{max}	1:1.45 (0.69)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.12 Result overview, Youth Club Messy

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.12 Result overview, Youth Club Messy

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

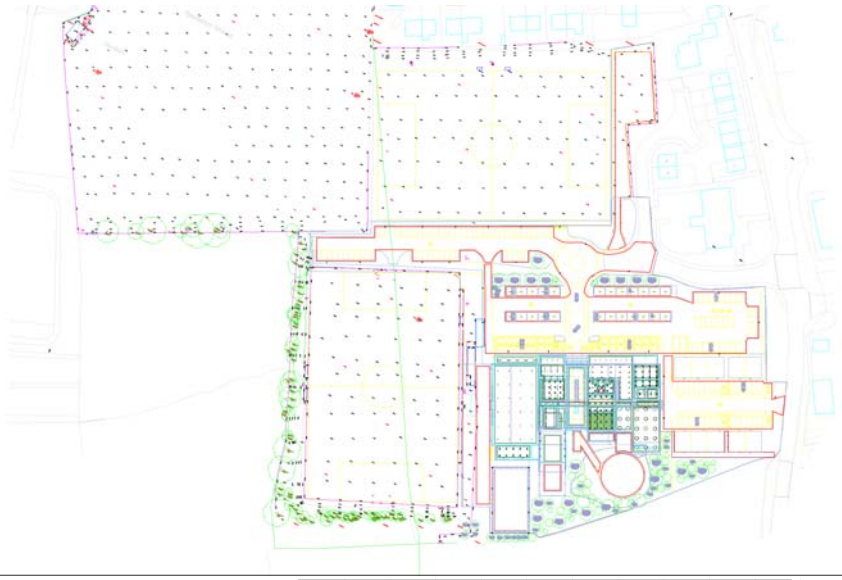
25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

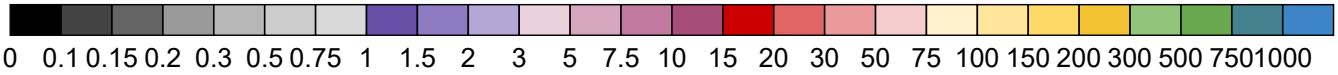
26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.13 Result overview, Youth Club Clean





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	374 lx
Minimum illuminance	E_{min}	282 lx
Maximum illuminance	E_{max}	410 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.33 (0.75)
Diversity U_d	E_{min}/E_{max}	1:1.45 (0.69)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.13 Result overview, Youth Club Clean

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.13 Result overview, Youth Club Clean

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.14 Result overview, Function 2 50P



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	325 lx
Minimum illuminance	E_{min}	166 lx
Maximum illuminance	E_{max}	391 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.96 (0.51)
Diversity U_d	E_{min}/E_{max}	1:2.35 (0.43)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.14 Result overview, Function 2 50P

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.14 Result overview, Function 2 50P

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

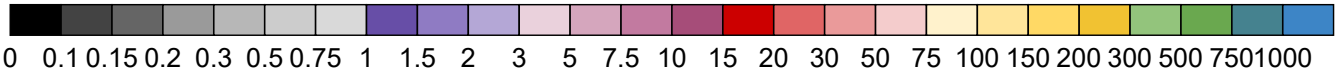
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.15 Result overview, Function 1 150P





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	310 lx
Minimum illuminance	E_{min}	197 lx
Maximum illuminance	E_{max}	349 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.57 (0.64)
Diversity U_d	E_{min}/E_{max}	1:1.77 (0.57)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.15 Result overview, Function 1 150P

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.15 Result overview, Function 1 150P

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.16 Result overview, Stage Store



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	186 lx
Minimum illuminance	E_{min}	97 lx
Maximum illuminance	E_{max}	243 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.92 (0.52)
Diversity U_d	E_{min}/E_{max}	1:2.51 (0.4)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.16 Result overview, Stage Store

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.16 Result overview, Stage Store

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

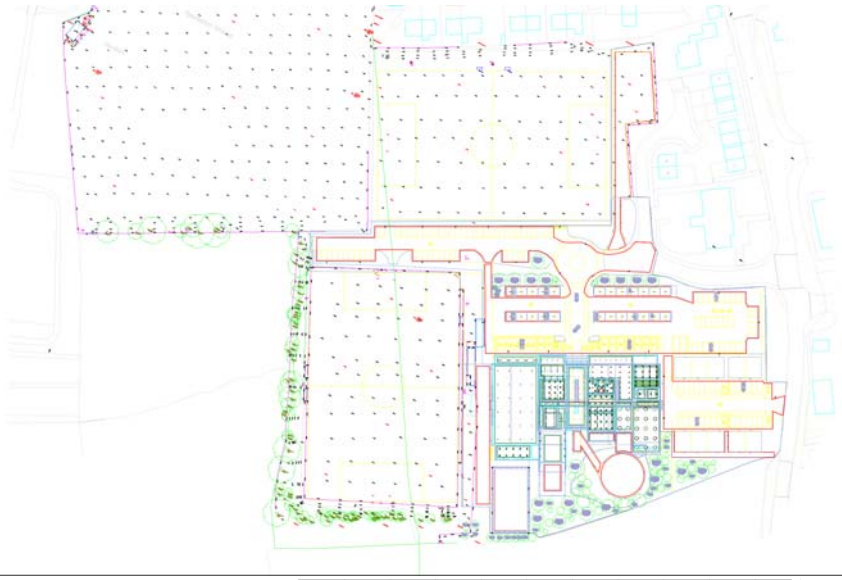
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

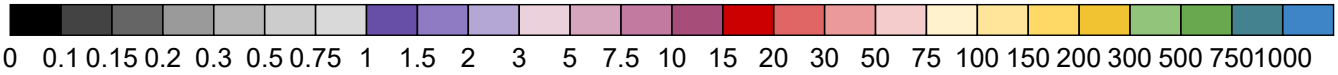
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.17 Result overview, Kitchen





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	377 lx
Minimum illuminance	E_{min}	251 lx
Maximum illuminance	E_{max}	435 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.5 (0.66)
Diversity U_d	E_{min}/E_{max}	1:1.74 (0.58)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.17 Result overview, Kitchen

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.17 Result overview, Kitchen

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

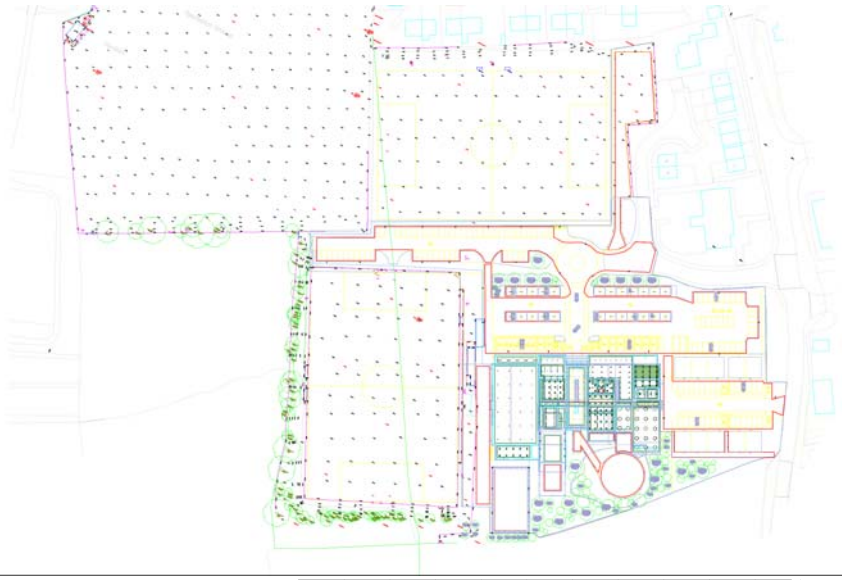
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

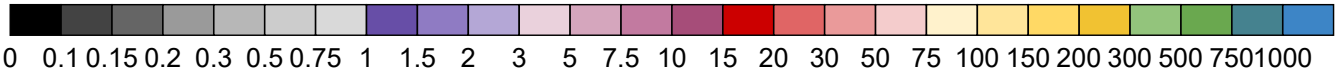
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.18 Result overview, Dial-a-Ride Facility





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	374 lx
Minimum illuminance	E_{min}	277 lx
Maximum illuminance	E_{max}	415 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.35 (0.74)
Diversity U_d	E_{min}/E_{max}	1:1.5 (0.67)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.18 Result overview, Dial-a-Ride Facility

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.18 Result overview, Dial-a-Ride Facility

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

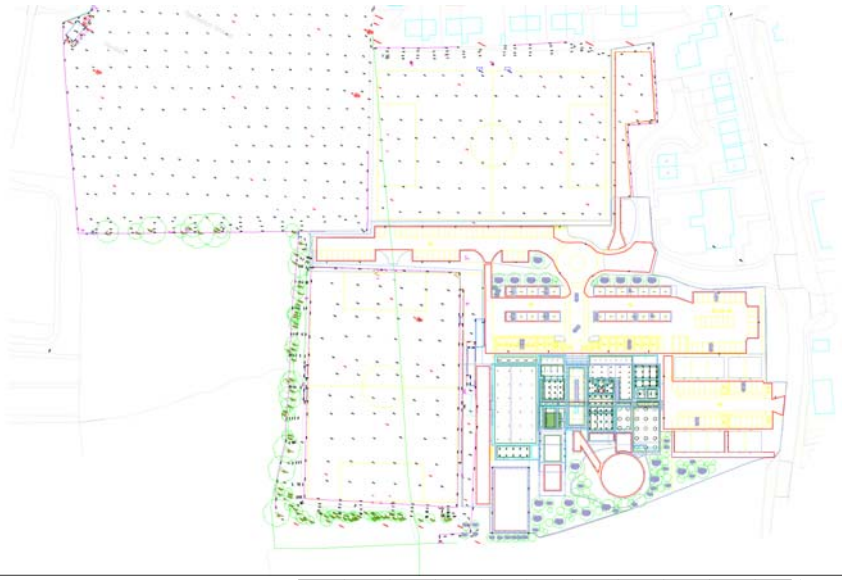
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.19 Result overview, Training Pool





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	442 lx
Minimum illuminance	E_{min}	302 lx
Maximum illuminance	E_{max}	626 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.47 (0.68)
Diversity U_d	E_{min}/E_{max}	1:2.07 (0.48)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.19 Result overview, Training Pool

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.19 Result overview, Training Pool

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

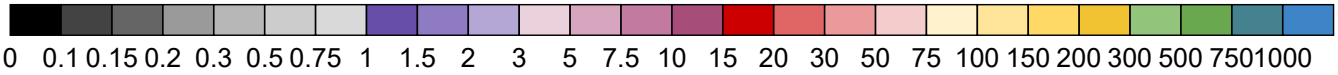
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.20 Result overview, Inside Pool





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	400 lx
Minimum illuminance	E_{min}	150 lx
Maximum illuminance	E_{max}	533 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.66 (0.38)
Diversity U_d	E_{min}/E_{max}	1:3.55 (0.28)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.20 Result overview, Inside Pool

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.20 Result overview, Inside Pool

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.21 Result overview, Football Changing



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	257 lx
Minimum illuminance	E_{min}	154 lx
Maximum illuminance	E_{max}	315 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.68 (0.6)
Diversity U_d	E_{min}/E_{max}	1:2.05 (0.49)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.21 Result overview, Football Changing

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.21 Result overview, Football Changing

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

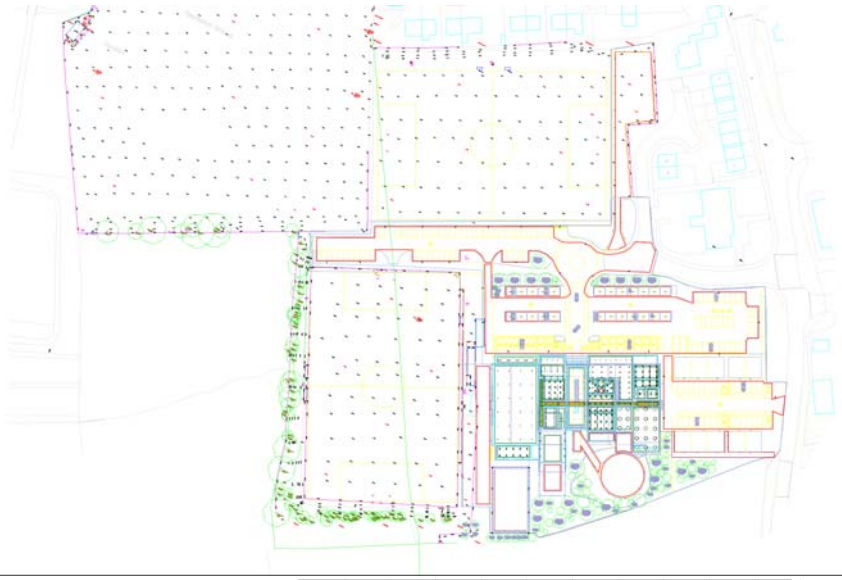
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

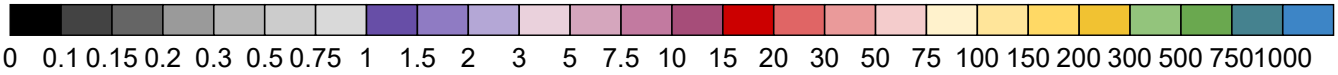
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.22 Result overview, 1st Floor Walkway





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	299 lx
Minimum illuminance	E_{min}	192 lx
Maximum illuminance	E_{max}	792 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.56 (0.64)
Diversity U_d	E_{min}/E_{max}	1:4.13 (0.24)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.22 Result overview, 1st Floor Walkway

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.22 Result overview, 1st Floor Walkway

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

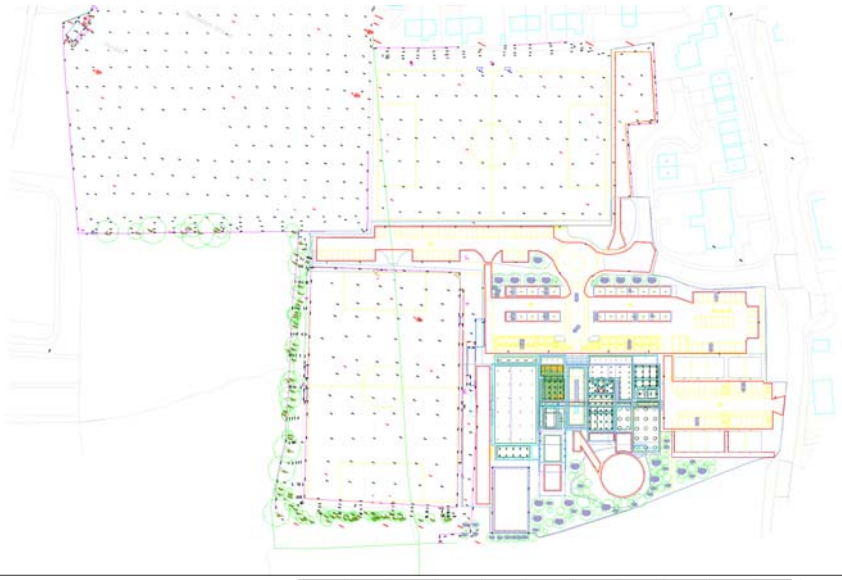
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

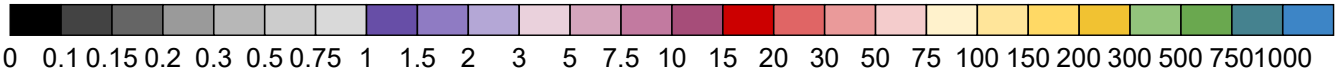
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.23 Result overview, 1st Floor Gym





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	336 lx
Minimum illuminance	E_{min}	213 lx
Maximum illuminance	E_{max}	425 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.58 (0.63)
Diversity U_d	E_{min}/E_{max}	1:2 (0.5)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.23 Result overview, 1st Floor Gym

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.23 Result overview, 1st Floor Gym

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

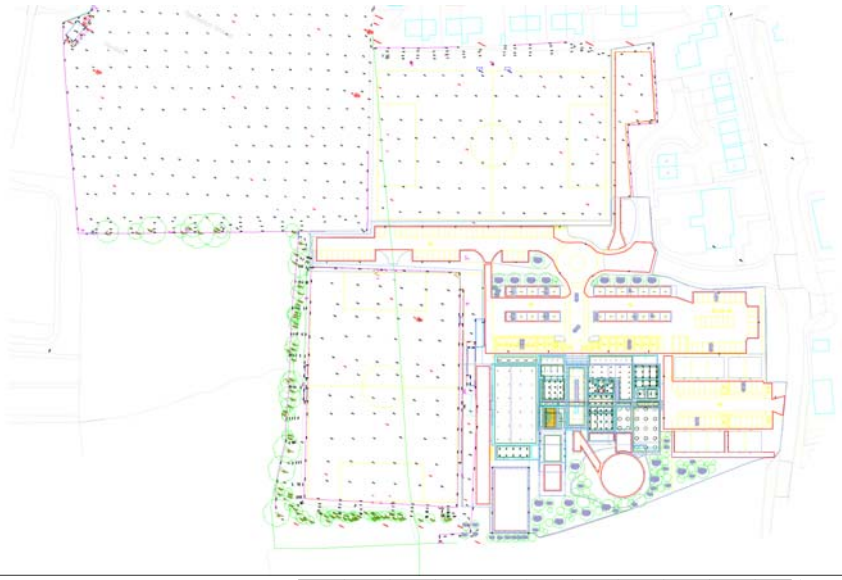
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.24 Result overview, 1st Floor Well Being Studio





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	289 lx
Minimum illuminance	E_{min}	184 lx
Maximum illuminance	E_{max}	373 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.57 (0.64)
Diversity U_d	E_{min}/E_{max}	1:2.03 (0.49)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.24 Result overview, 1st Floor Well Being Studio

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.24 Result overview, 1st Floor Well Being Studio

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

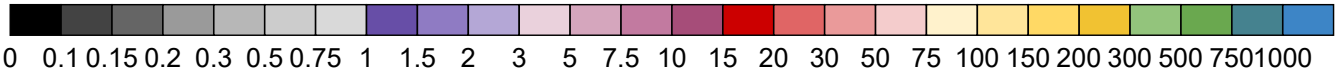
26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.25 Result overview, 1st Floor WC





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	199 lx
Minimum illuminance	E_{min}	130 lx
Maximum illuminance	E_{max}	296 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.54 (0.65)
Diversity U_d	E_{min}/E_{max}	1:2.28 (0.44)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.25 Result overview, 1st Floor WC

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.25 Result overview, 1st Floor WC

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

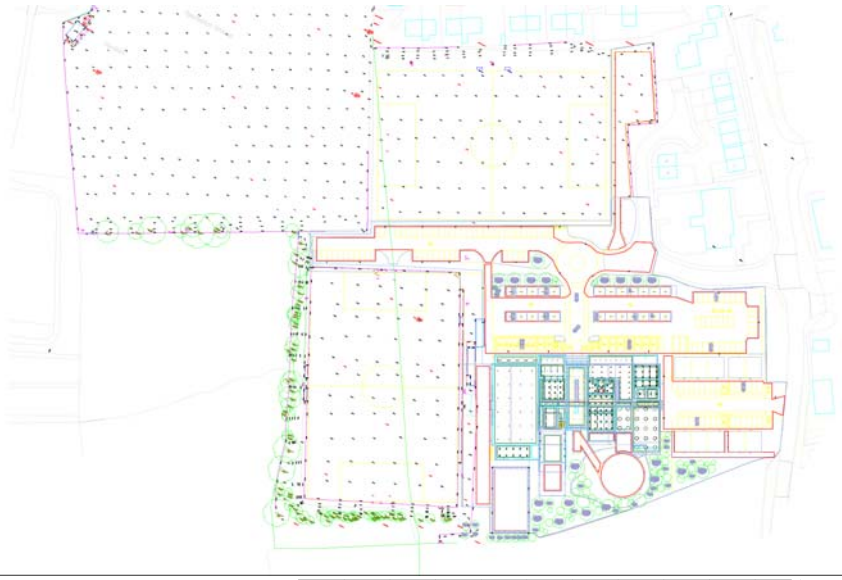
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

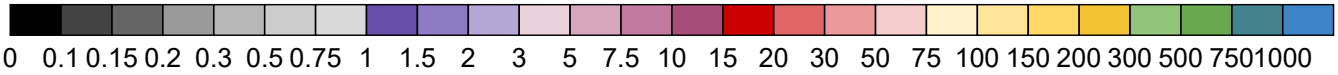
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.26 Result overview, 1st Floor Store





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	151 lx
Minimum illuminance	E_{min}	69 lx
Maximum illuminance	E_{max}	267 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.21 (0.45)
Diversity U_d	E_{min}/E_{max}	1:3.89 (0.26)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.26 Result overview, 1st Floor Store

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.26 Result overview, 1st Floor Store

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

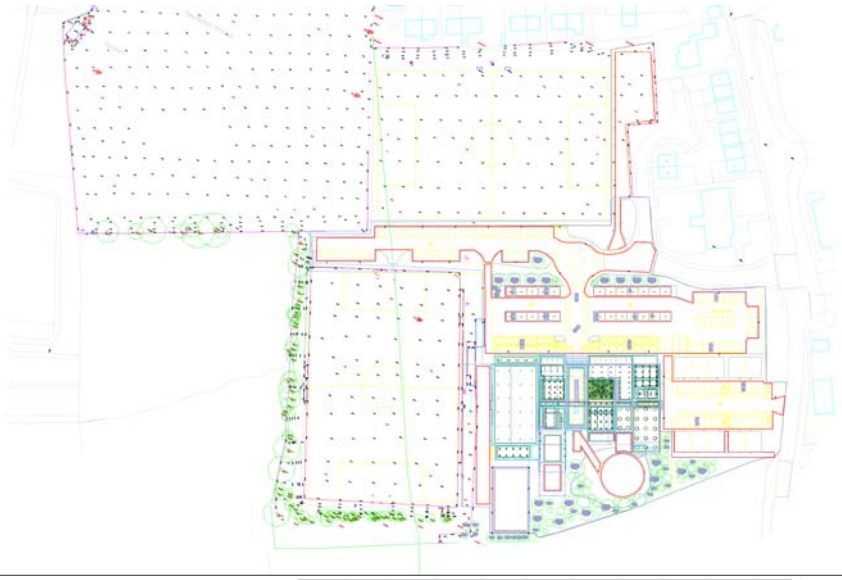
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.27 Result overview, 1st Floor Library / Soft Play





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	452 lx
Minimum illuminance	E_{min}	313 lx
Maximum illuminance	E_{max}	573 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.44 (0.69)
Diversity U_d	E_{min}/E_{max}	1:1.83 (0.55)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.27 Result overview, 1st Floor Library / Soft Play

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.27 Result overview, 1st Floor Library / Soft Play

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

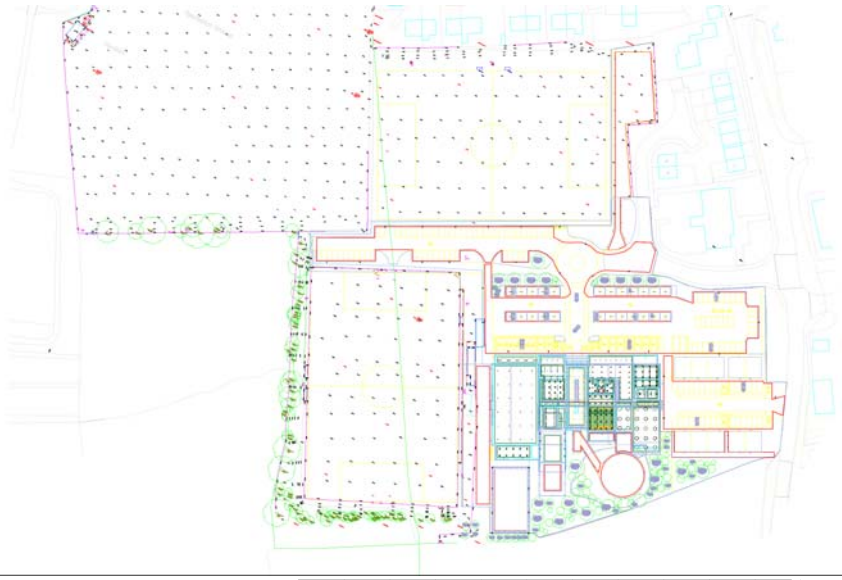
25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

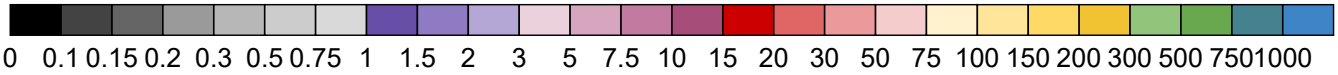
26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.28 Result overview, 1st Floor Meeting Room





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	353 lx
Minimum illuminance	E_{min}	216 lx
Maximum illuminance	E_{max}	483 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.64 (0.61)
Diversity U_d	E_{min}/E_{max}	1:2.24 (0.45)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.28 Result overview, 1st Floor Meeting Room

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.28 Result overview, 1st Floor Meeting Room

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

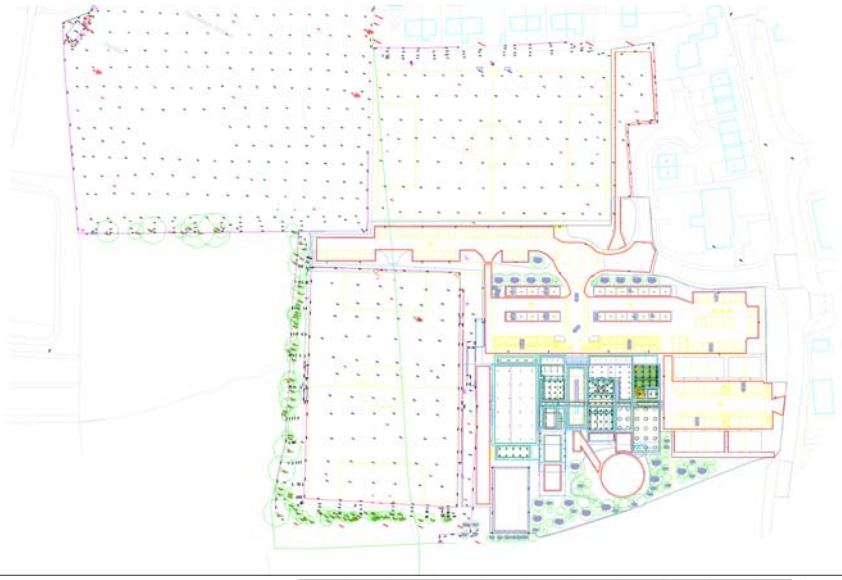
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

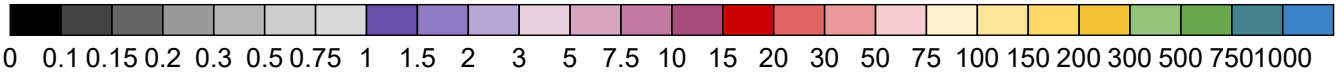
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.29 Result overview, 1st Floor Space top Let





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	368 lx
Minimum illuminance	E_{min}	151 lx
Maximum illuminance	E_{max}	577 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.44 (0.41)
Diversity U_d	E_{min}/E_{max}	1:3.83 (0.26)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.29 Result overview, 1st Floor Space top Let

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.29 Result overview, 1st Floor Space top Let

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

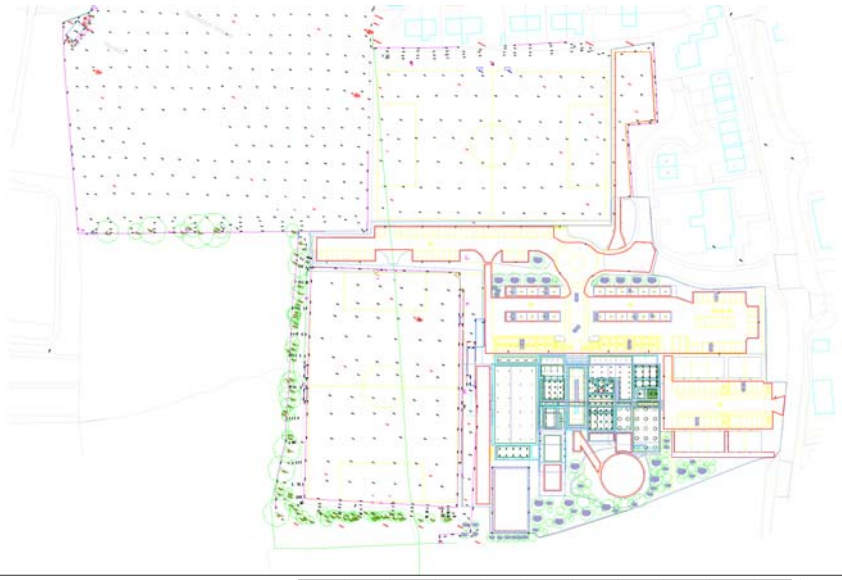
25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.30 Result overview, 1st Floor Music Studio





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	463 lx
Minimum illuminance	E_{min}	236 lx
Maximum illuminance	E_{max}	692 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.96 (0.51)
Diversity U_d	E_{min}/E_{max}	1:2.93 (0.34)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.30 Result overview, 1st Floor Music Studio

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.30 Result overview, 1st Floor Music Studio

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

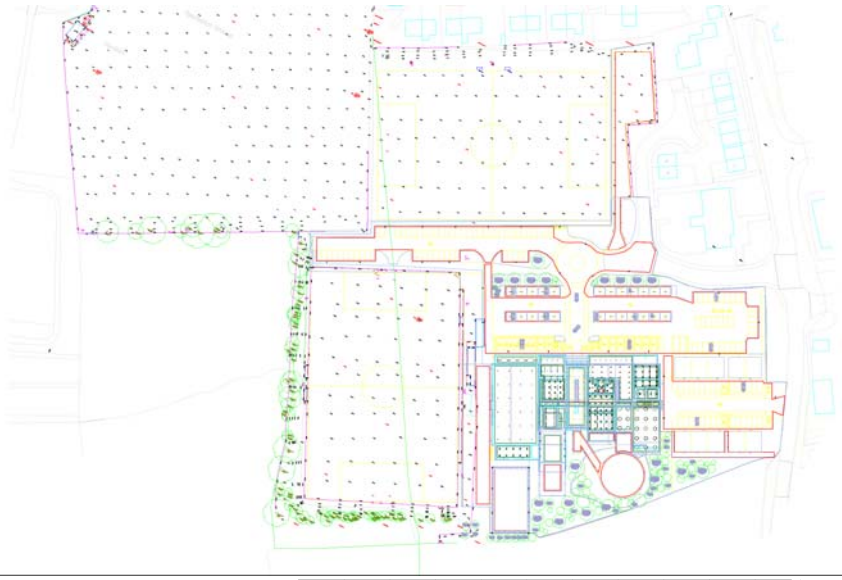
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

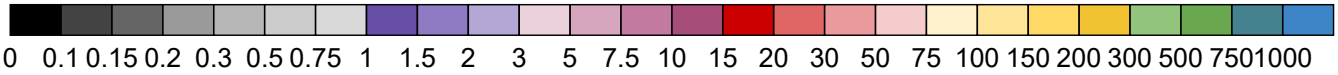
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.31 Result overview, Stage





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	1.10 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	297 lx
Minimum illuminance	E_{min}	114 lx
Maximum illuminance	E_{max}	388 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.6 (0.38)
Diversity U_d	E_{min}/E_{max}	1:3.39 (0.29)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.31 Result overview, Stage

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.31 Result overview, Stage

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

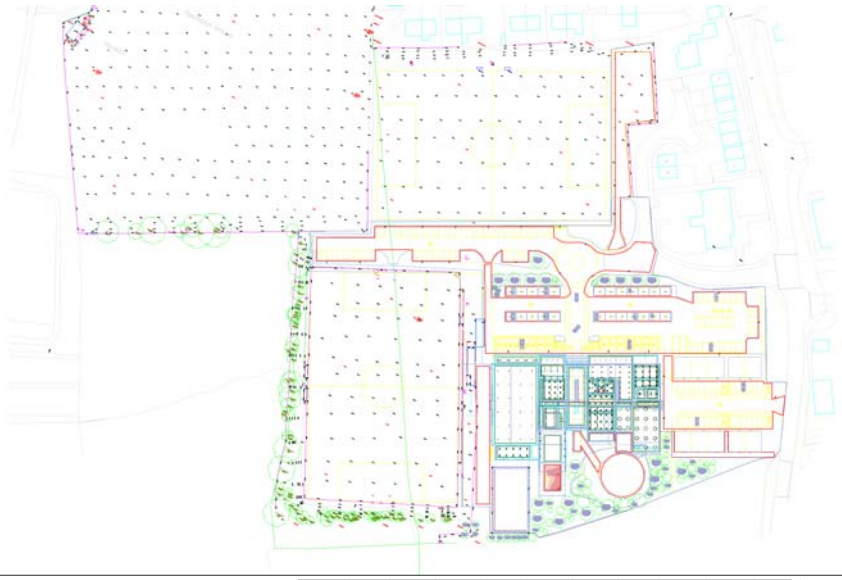
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

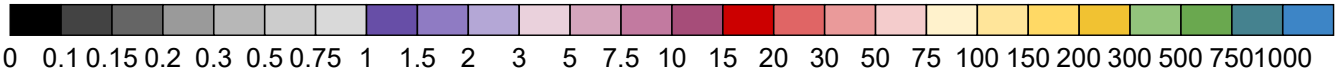
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.32 Result overview, Outside





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.40 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	52 lx
Minimum illuminance	E_{min}	27 lx
Maximum illuminance	E_{max}	107 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.94 (0.52)
Diversity U_d	E_{min}/E_{max}	1:3.99 (0.25)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.32 Result overview, Outside

3 23 x

Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x

Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x

Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x

Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x

Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x

Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x

Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x

Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x

Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x

Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x

Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x

Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x

Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.32 Result overview, Outside

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

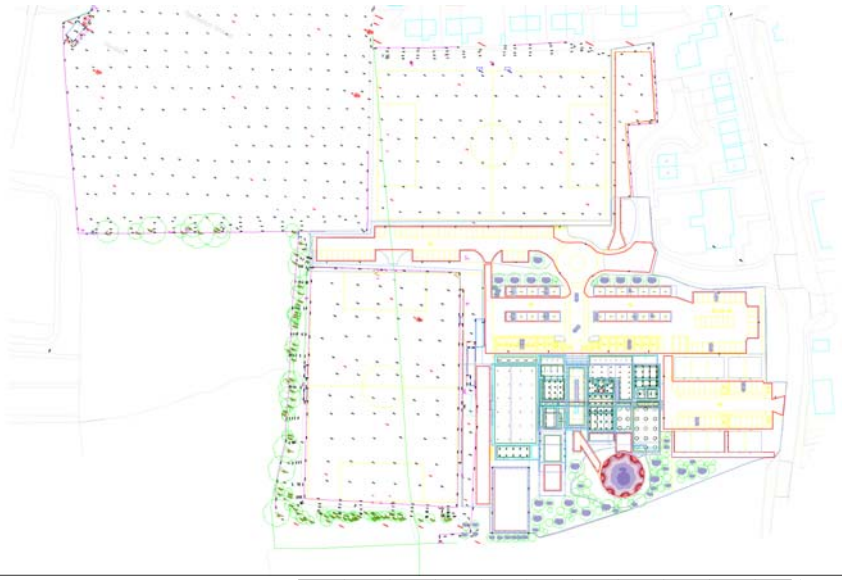
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

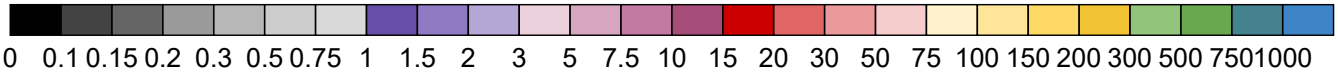
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.33 Result overview, Round Terrace





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.15 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	7.97 lx
Minimum illuminance	E_{min}	1.74 lx
Maximum illuminance	E_{max}	56 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.59 (0.22)
Diversity U_d	E_{min}/E_{max}	1:32.4 (0.03)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.33 Result overview, Round Terrace

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.33 Result overview, Round Terrace

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

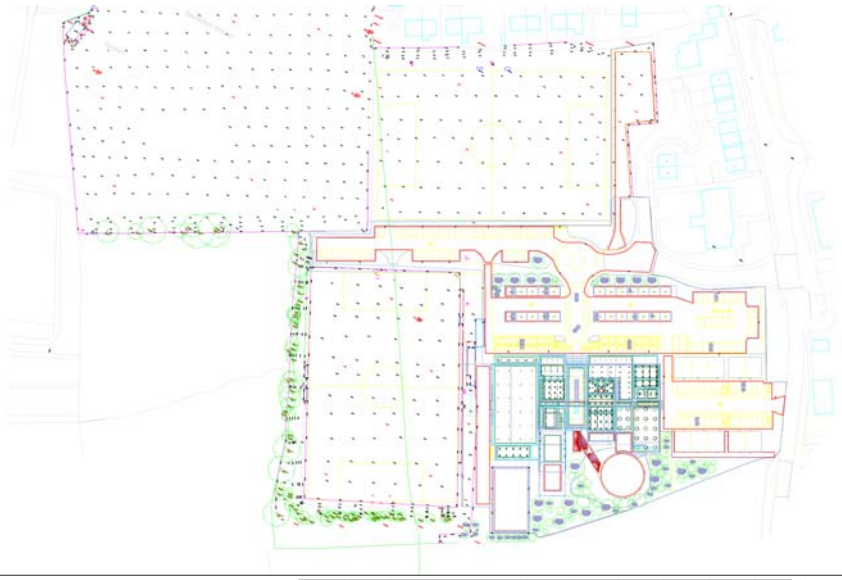
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

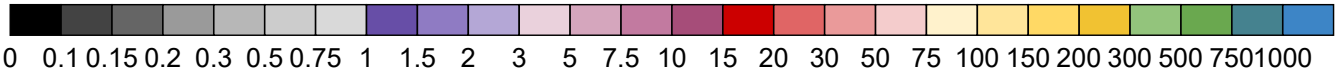
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.34 Result overview, Terrace Entrance





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.15 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	20 lx
Minimum illuminance	E_{min}	6.94 lx
Maximum illuminance	E_{max}	68 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.92 (0.34)
Diversity U_d	E_{min}/E_{max}	1:9.83 (0.1)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.34 Result overview, Terrace Entrance

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.34 Result overview, Terrace Entrance

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

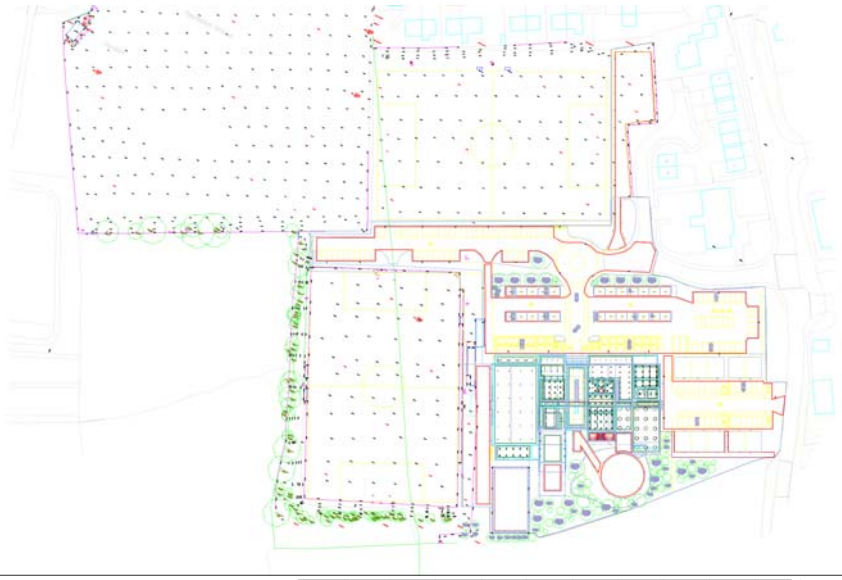
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

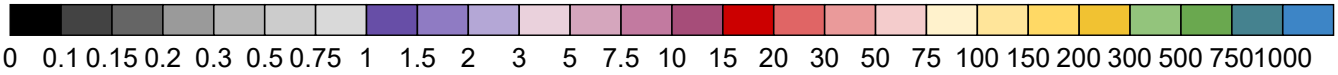
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.35 Result overview, GF Terrace





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.15 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	38 lx
Minimum illuminance	E_{min}	8.01 lx
Maximum illuminance	E_{max}	131 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.73 (0.21)
Diversity U_d	E_{min}/E_{max}	1:16.3 (0.06)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.35 Result overview, GF Terrace

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.35 Result overview, GF Terrace

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.36 Result overview, GF Terrace



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.25 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	16.3 lx
Minimum illuminance	E_{min}	2.69 lx
Maximum illuminance	E_{max}	88 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:6.04 (0.17)
Diversity U_d	E_{min}/E_{max}	1:32.5 (0.03)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.36 Result overview, GF Terrace

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.36 Result overview, GF Terrace

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

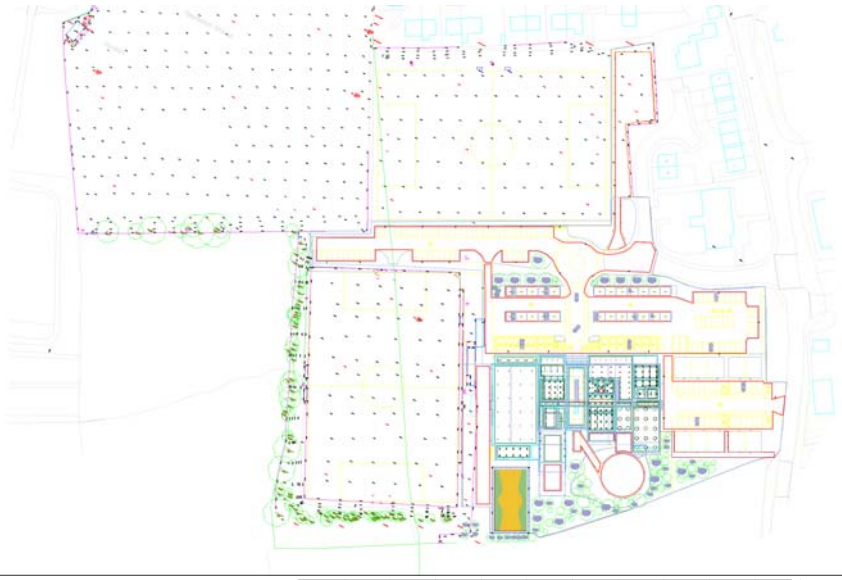
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.37 Result overview, Outdoor Pitch





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.15 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	292 lx
Minimum illuminance	E_{min}	244 lx
Maximum illuminance	E_{max}	352 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.2 (0.84)
Diversity U_d	E_{min}/E_{max}	1:1.44 (0.69)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.37 Result overview, Outdoor Pitch

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.37 Result overview, Outdoor Pitch

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

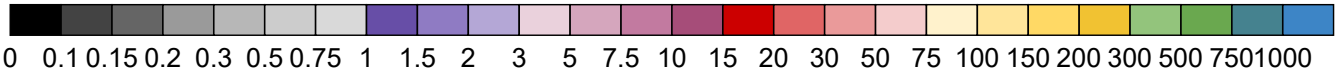
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.38 Result overview, Ride Side





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.19 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	67 lx
Minimum illuminance	E_{min}	1.56 lx
Maximum illuminance	E_{max}	301 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:43.4 (0.02)
Diversity U_d	E_{min}/E_{max}	1:193 (0.01)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.38 Result overview, Ride Side

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.38 Result overview, Ride Side

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

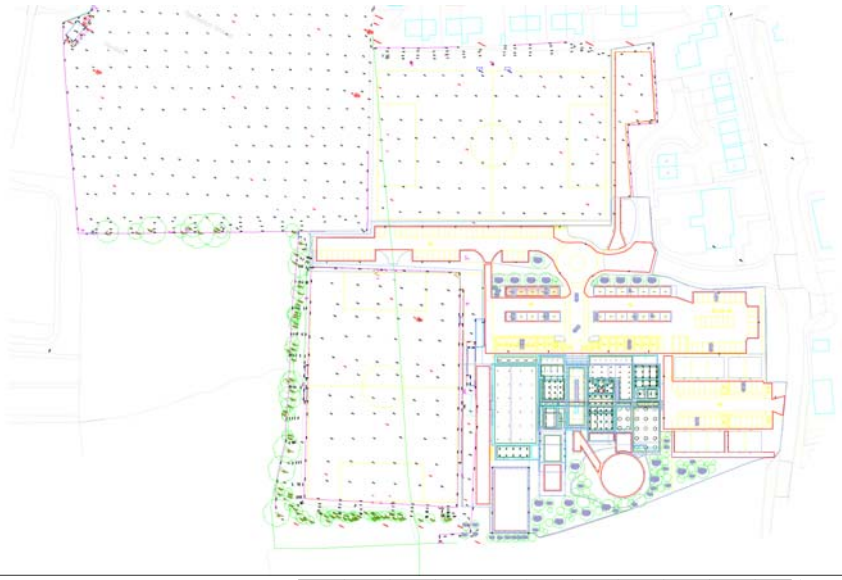
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

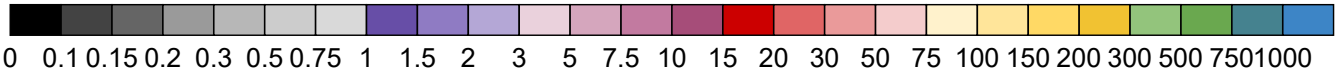
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.39 Result overview, Under Cover Parking





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.12 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	73 lx
Minimum illuminance	E_{min}	2.65 lx
Maximum illuminance	E_{max}	105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:27.5 (0.04)
Diversity U_d	E_{min}/E_{max}	1:39.8 (0.03)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.39 Result overview, Under Cover Parking

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.39 Result overview, Under Cover Parking

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

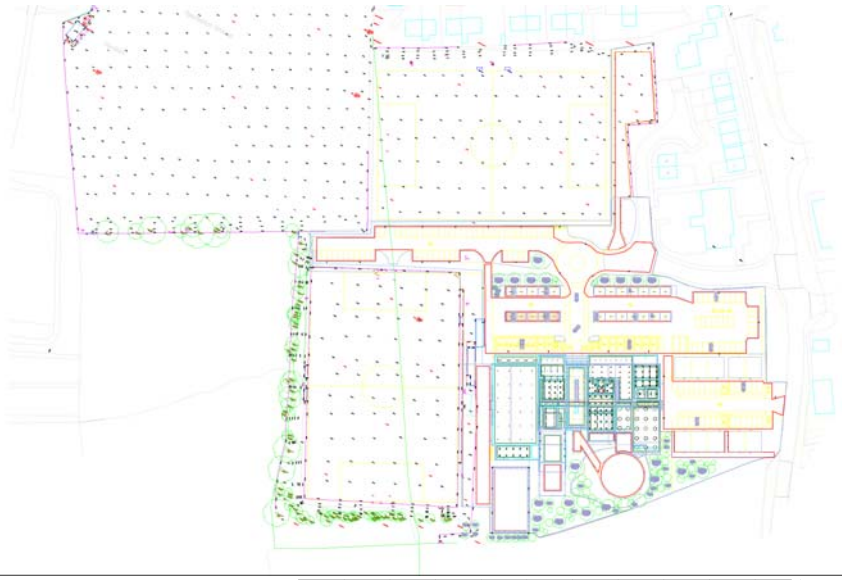
25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

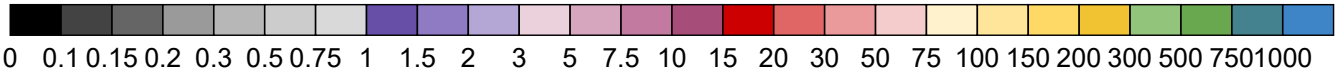
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.40 Result overview, Under Cover Parking





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.12 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	71 lx
Minimum illuminance	E_{min}	33 lx
Maximum illuminance	E_{max}	97 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.16 (0.46)
Diversity U_d	E_{min}/E_{max}	1:2.95 (0.34)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.40 Result overview, Under Cover Parking

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.40 Result overview, Under Cover Parking

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

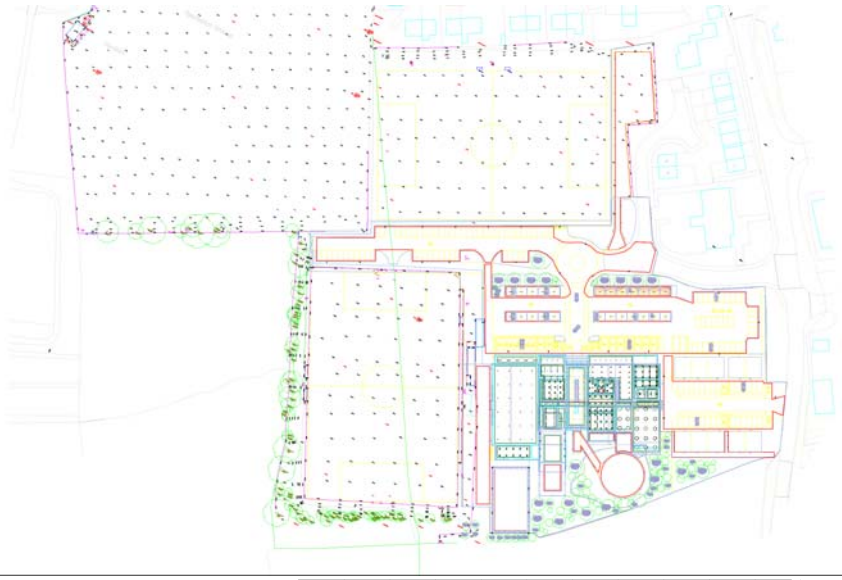
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

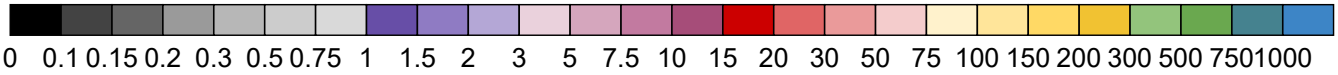
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.41 Result overview, Under Cover Parking





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.12 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	73 lx
Minimum illuminance	E_{min}	2.42 lx
Maximum illuminance	E_{max}	113 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:30.1 (0.03)
Diversity U_d	E_{min}/E_{max}	1:46.7 (0.02)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.41 Result overview, Under Cover Parking

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.41 Result overview, Under Cover Parking

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

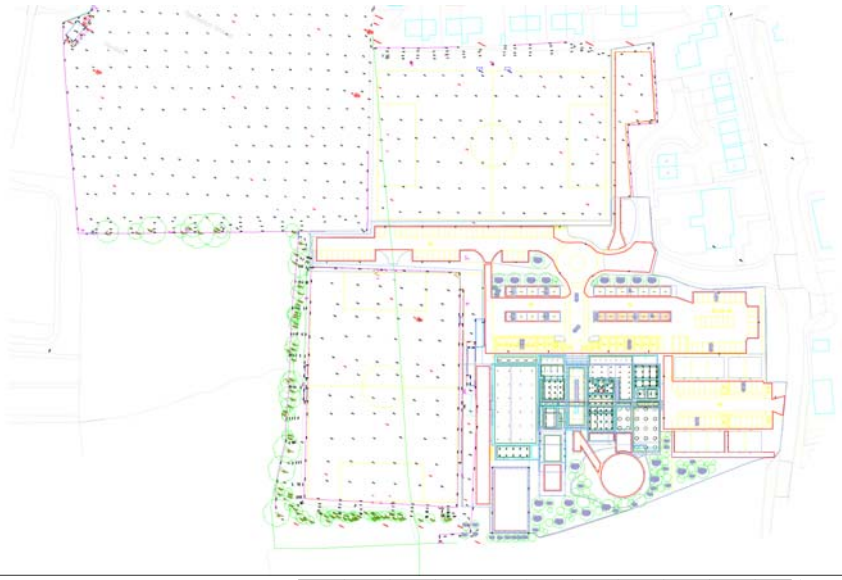
25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.42 Result overview, Under Cover Parking





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.12 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	72 lx
Minimum illuminance	E_{min}	33 lx
Maximum illuminance	E_{max}	100 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.17 (0.46)
Diversity U_d	E_{min}/E_{max}	1:2.98 (0.34)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.42 Result overview, Under Cover Parking

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.42 Result overview, Under Cover Parking

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

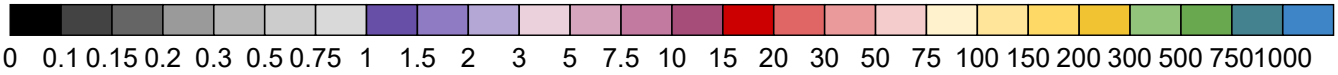
26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.43 Result overview, Parking Area





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.12 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	34 lx
Minimum illuminance	E_{min}	0.84 lx
Maximum illuminance	E_{max}	128 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:40.2 (0.02)
Diversity U_d	E_{min}/E_{max}	1:152 (0.01)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.43 Result overview, Parking Area

3 23 x

Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x

Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x

Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x

Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x

Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x

Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x

Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x

Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x

Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x

Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x

Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x

Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x

Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.43 Result overview, Parking Area

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.44 Result overview, Community Growing Area





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	7.36 lx
Minimum illuminance	E_{min}	0.76 lx
Maximum illuminance	E_{max}	47 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:9.68 (0.1)
Diversity U_d	E_{min}/E_{max}	1:62.2 (0.02)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.44 Result overview, Community Growing Area

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.44 Result overview, Community Growing Area

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

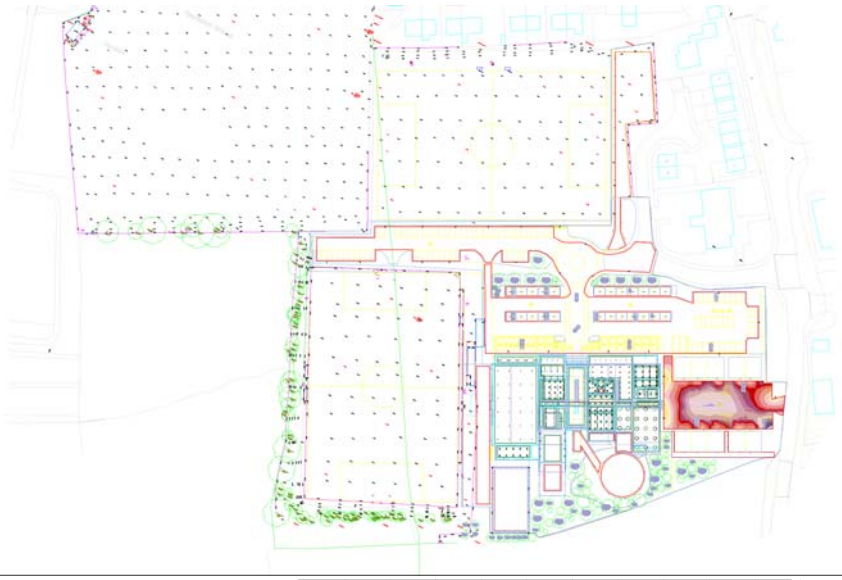
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

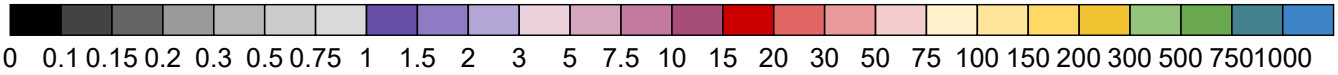
27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.45 Result overview, Unit Parking





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.12 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	22 lx
Minimum illuminance	E_{min}	1.24 lx
Maximum illuminance	E_{max}	117 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:18.1 (0.06)
Diversity U_d	E_{min}/E_{max}	1:94 (0.01)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.45 Result overview, Unit Parking

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.45 Result overview, Unit Parking

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x 
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x 
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x 
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

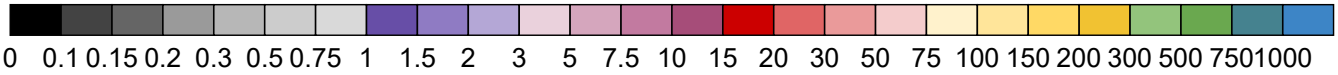
26 420 x 
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.46 Result overview, Unit Lighting Rear





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.07 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	32 lx
Minimum illuminance	E_{min}	0.18 lx
Maximum illuminance	E_{max}	101 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:177 (0.01)
Diversity U_d	E_{min}/E_{max}	1:555 (0)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.46 Result overview, Unit Lighting Rear

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.46 Result overview, Unit Lighting Rear

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x
Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x
Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x
Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x
Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x
Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

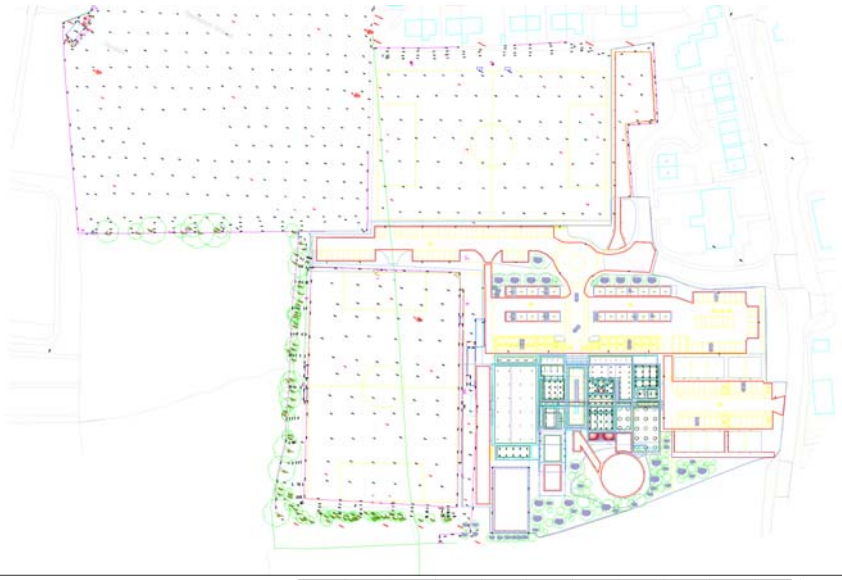
25 38 x
Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

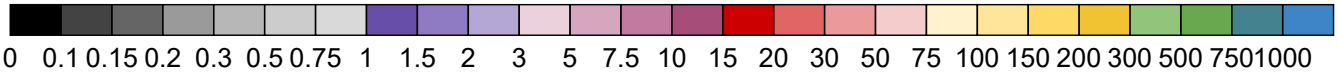
26 420 x
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.47 Result overview, FF Terrace





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	3.38 m
Maintenance factor	0.80
Total luminous flux	3071.6001 klm
Total power	22.4 kW
Total power per area (17509.03 m²)	1.28 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	31 lx
Minimum illuminance	E_{min}	6.48 lx
Maximum illuminance	E_{max}	103 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.72 (0.21)
Diversity U_d	E_{min}/E_{max}	1:15.9 (0.06)

Type No.\Make

Cosmic Lighting

1 12 x
Order No. : CML0611
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm

2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)

2.2 Summary, Exterior 1

2.2.47 Result overview, FF Terrace

3 23 x
Order No. : !CML0322
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)

5 2 x
Order No. : CML0324
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)

7 63 x
Order No. : CML0532
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)

9 15 x
Order No. : CML0326
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)

11 2 x
Order No. : CML0045
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)

13 40 x
Order No. : CML0098-WB
Luminaire name : Meteor 1 4K 20W
Equipment : 1 x TRIDONIC SLE 20.2 W / 1947 lm

14 28 x
Order No. : CML0730
Luminaire name : Universe 1 TRI 200W
Equipment : 1 x LED 200 W / 28000 lm

15 18 x
Order No. : CML0719
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm

2.2 Summary, Exterior 1

2.2.47 Result overview, FF Terrace

16 19E x

Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)

17 16 x

Order No. : CML0182-OP
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm

18 6E x

Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)

19 20 x

Order No. : CML0183-LG
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm

20 9E x

Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)

22 55 x

Order No. : CML0756
Luminaire name : Space 2 Dome Louvre 19W Bollard
Equipment : 1 x LED 19 W / 1140 lm

23 27 x

Order No. : .
Luminaire name : QST3-PRO-70/80/90/100-TC/FX (80W)
Equipment : 1 x LED 80 W / 13600 lm

24 24 x

Order No. : CML0599
Luminaire name : Mars V 4K 23W 1200mm
Equipment : 1 x LED 23 W / 3675 lm

25 38 x

Order No. : 1
Luminaire name : MITRE-BOLT-WS-TC (12W)
Equipment : 1 x LED 12 W / 1680 lm

26 420 x

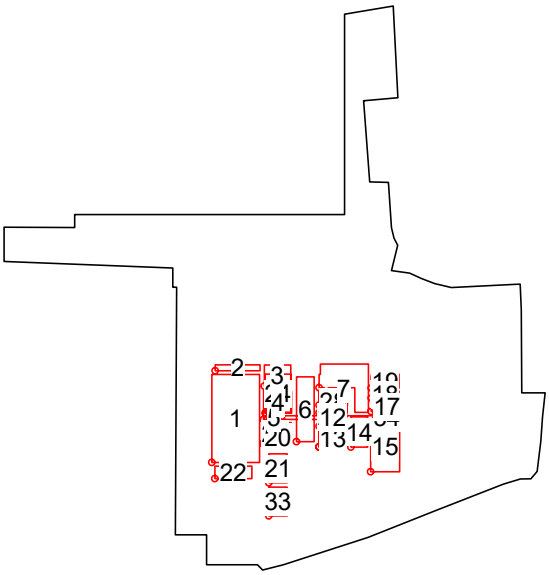
Order No. : !Neptune 3 Ring Segment
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm

27 210E x

Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)

2.2 Summary, Exterior 1

2.2.48 Result overview, Internal Calc Zones (2)

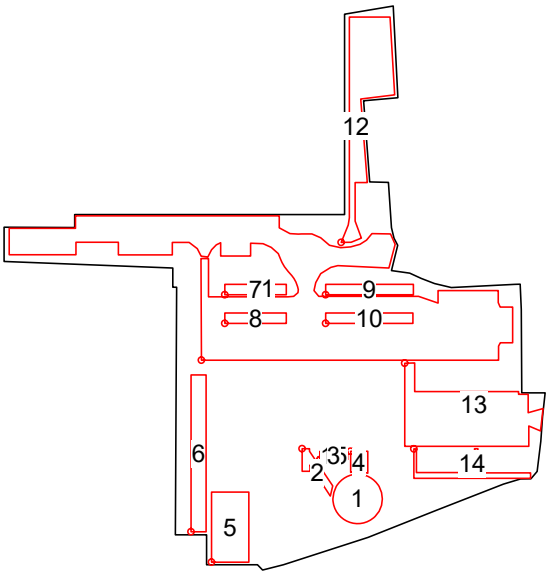


Horizontal illuminance

No.	Measuring surface	Grid	$\bar{E}_m$	E_{min}	E_{max}	U_o	U_d
2.1	Sports Hall	9 x 15	505 lx	358 lx	566 lx	0.71	0.63
2.2	Equipment Store	53 x 7	203 lx	154 lx	249 lx	0.76	0.62
2.3	Recpetion	11 x 9	300 lx	133 lx	399 lx	0.44	0.33
2.4	Changing Room	11 x 10	364 lx	191 lx	448 lx	0.52	0.43
2.5	Circulation	37 x 6	332 lx	222 lx	384 lx	0.67	0.58
2.6	Atrium	9 x 33	312 lx	155 lx	461 lx	0.50	0.34
2.7	Cafe	13 x 13	312 lx	198 lx	482 lx	0.63	0.41
2.8	First Aid	6 x 8	385 lx	328 lx	423 lx	0.85	0.77
2.9	WC	6 x 9	274 lx	178 lx	329 lx	0.65	0.54
2.10	WC	6 x 9	280 lx	159 lx	357 lx	0.57	0.45
2.11	Tuck Shop	7 x 5	292 lx	243 lx	324 lx	0.83	0.75
2.12	Youth Club Messy	11 x 8	369 lx	278 lx	404 lx	0.75	0.69
2.13	Youth Club Clean	11 x 8	374 lx	282 lx	410 lx	0.75	0.69
2.14	Function 2 50P	7 x 11	325 lx	166 lx	391 lx	0.51	0.43
2.15	Function 1 150P	8 x 13	310 lx	197 lx	349 lx	0.64	0.57
2.17	Stage Store	17 x 8	186 lx	97 lx	243 lx	0.52	0.40
2.18	Kitchen	28 x 7	377 lx	251 lx	435 lx	0.66	0.58
2.19	Dial-a-Ride Facility	18 x 9	374 lx	277 lx	415 lx	0.74	0.67
2.20	Training Pool	9 x 9	442 lx	302 lx	626 lx	0.68	0.48
2.21	Inside Pool	7 x 11	400 lx	150 lx	533 lx	0.38	0.28
2.22	Football Changing	27 x 9	257 lx	154 lx	315 lx	0.60	0.49
2.23	1st Floor Walkway	43 x 107	299 lx	192 lx	792 lx	0.64	0.24
2.24	1st Floor Gym	9 x 12	336 lx	213 lx	425 lx	0.63	0.50
2.25	1st Floor Well Being Studio	6 x 10	289 lx	184 lx	373 lx	0.64	0.49
2.26	1st Floor WC	5 x 8	199 lx	130 lx	296 lx	0.65	0.44
2.27	1st Floor Store	6 x 7	151 lx	69 lx	267 lx	0.45	0.26
2.28	1st Floor Library / Soft Play	11 x 9	452 lx	313 lx	573 lx	0.69	0.55
2.29	1st Floor Meeting Room	11 x 10	353 lx	216 lx	483 lx	0.61	0.45
2.30	1st Floor Space top Let	9 x 11	368 lx	151 lx	577 lx	0.41	0.26
2.31	1st Floor Music Studio	8 x 8	463 lx	236 lx	692 lx	0.51	0.34
2.34	Stage	32 x 6	297 lx	114 lx	388 lx	0.38	0.29
2.33	Outside	7 x 11	52 lx	27 lx	107 lx	0.52	0.25
Summary			**364 lx**	**27 lx**	**792 lx**	**0.07**	**0.03**

2.2 Summary, Exterior 1

2.2.49 Result overview, External Calc Zones (3)



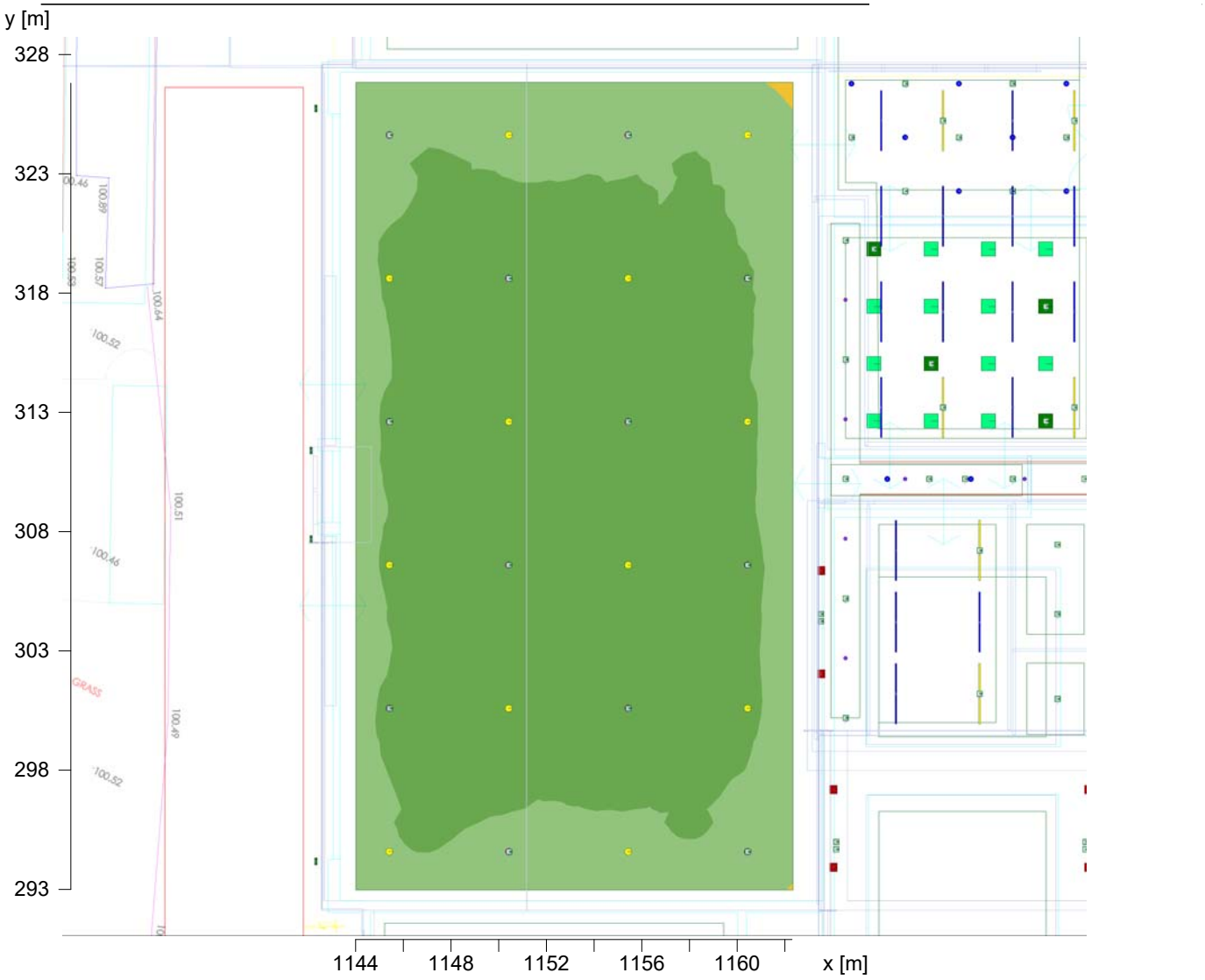
Horizontal illuminance

No.	Measuring surface	Grid	$\bar{E}_m$	E_{min}	E_{max}	U_o	U_d
3.1	Round Terrace	13 x 13	8 lx	2 lx	56 lx	0.22	0.03
3.2	Terrace Entrance	35 x 23	20 lx	7 lx	68 lx	0.34	0.10
3.3	GF Terrace	27 x 8	38 lx	8 lx	131 lx	0.21	0.06
3.4	GF Terrace	10 x 8	16 lx	3 lx	88 lx	0.17	0.03
3.5	Outdoor Pitch	8 x 14	292 lx	244 lx	352 lx	0.84	0.69
3.6	Ride Side	9 x 94	67 lx	2 lx	301 lx	0.02	0.01
3.7	Under Cover Parking	48 x 8	73 lx	3 lx	105 lx	0.04	0.03
3.8	Under Cover Parking	48 x 8	71 lx	33 lx	97 lx	0.46	0.34
3.9	Under Cover Parking	68 x 8	73 lx	2 lx	113 lx	0.03	0.02
3.10	Under Cover Parking	67 x 8	72 lx	33 lx	100 lx	0.46	0.34
3.11	Parking Area	212 x 61	34 lx	1 lx	128 lx	0.02	0.01
3.12	Community Growing Area	141 x 58	7 lx	1 lx	47 lx	0.10	0.02
3.13	Unit Parking	11 x 17	22 lx	1 lx	117 lx	0.06	0.01
3.14	Unit Lighting Rear	30 x 118	32 lx	0 lx	101 lx	0.01	0.00
3.15	FF Terrace	27 x 8	31 lx	6 lx	103 lx	0.21	0.06
Summary			**44 lx**	**0 lx**	**352 lx**	**0.00**	**0.00**

2 Exterior 1

2.3 Calculation results, Exterior 1

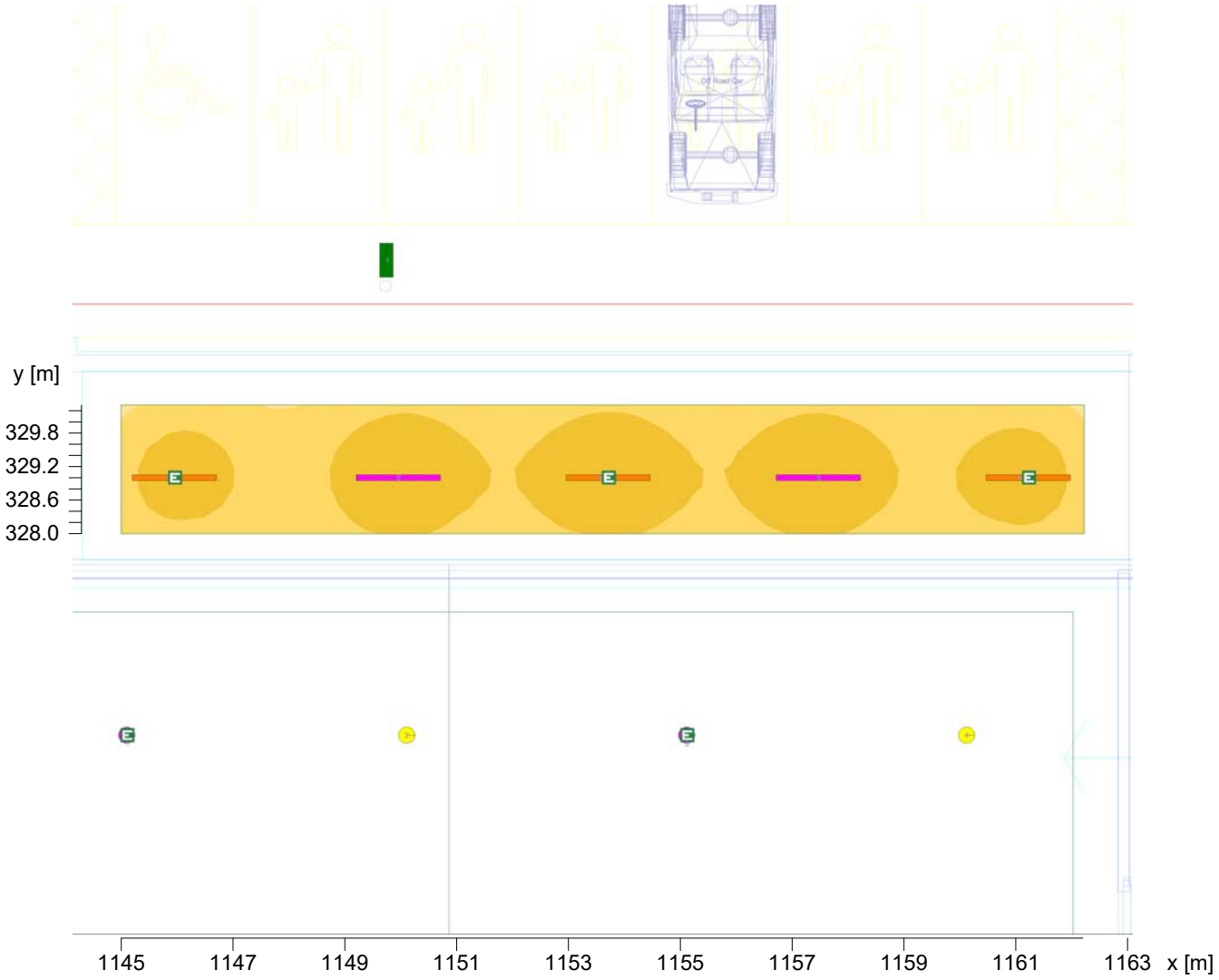
2.3.1 Pseudo colours, Sports Hall (E)

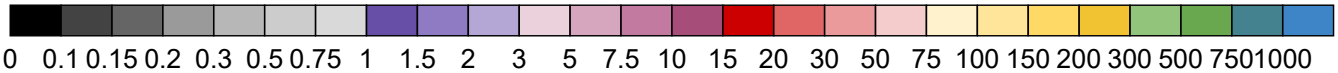


Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 505 lx
Minimum illuminance	E_{min}	: 358 lx
Maximum illuminance	E_{max}	: 566 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.41 (0.71)

2.3 Calculation results, Exterior 1

2.3.2 Pseudo colours, Equipment Store (E)

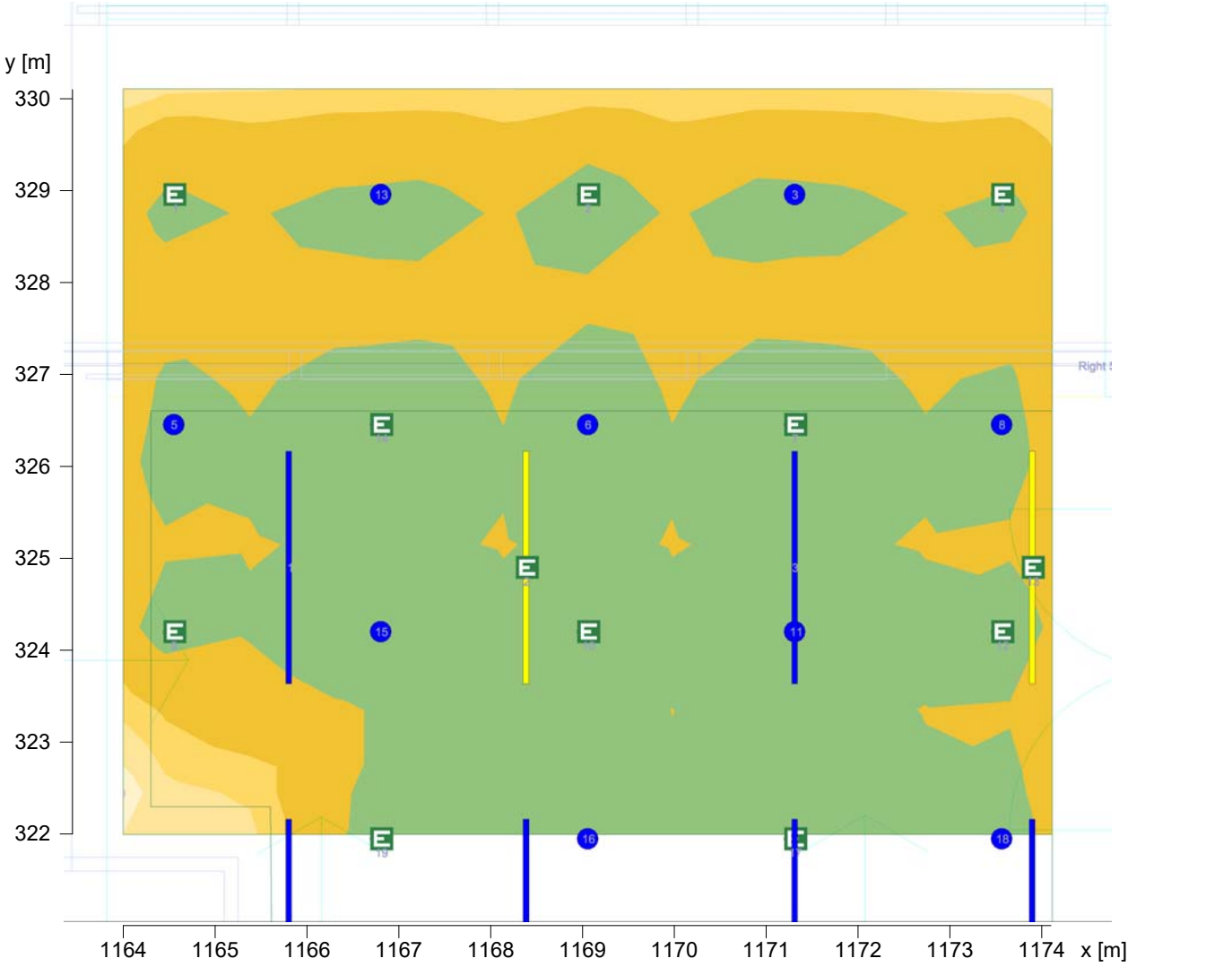




Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 203 lx
Minimum illuminance	E_{min}	: 154 lx
Maximum illuminance	E_{max}	: 249 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.32 (0.76)

2.3 Calculation results, Exterior 1

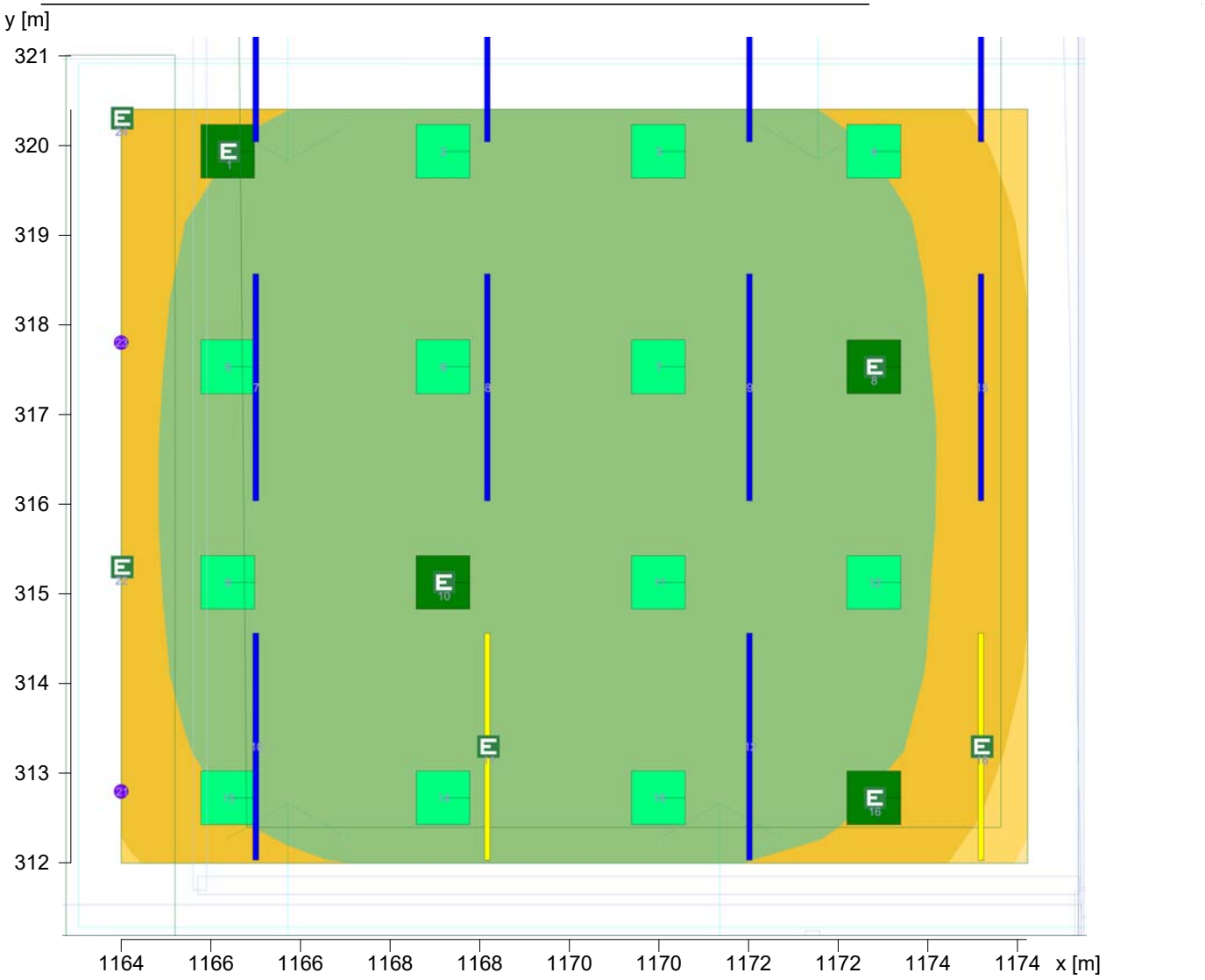
2.3.3 Pseudo colours, Recpetion (E)

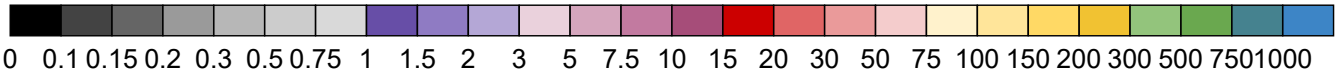


Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 300 lx
Minimum illuminance	E_{min}	: 133 lx
Maximum illuminance	E_{max}	: 399 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.25 (0.44)

2.3 Calculation results, Exterior 1

2.3.4 Pseudo colours, Changing Room (E)

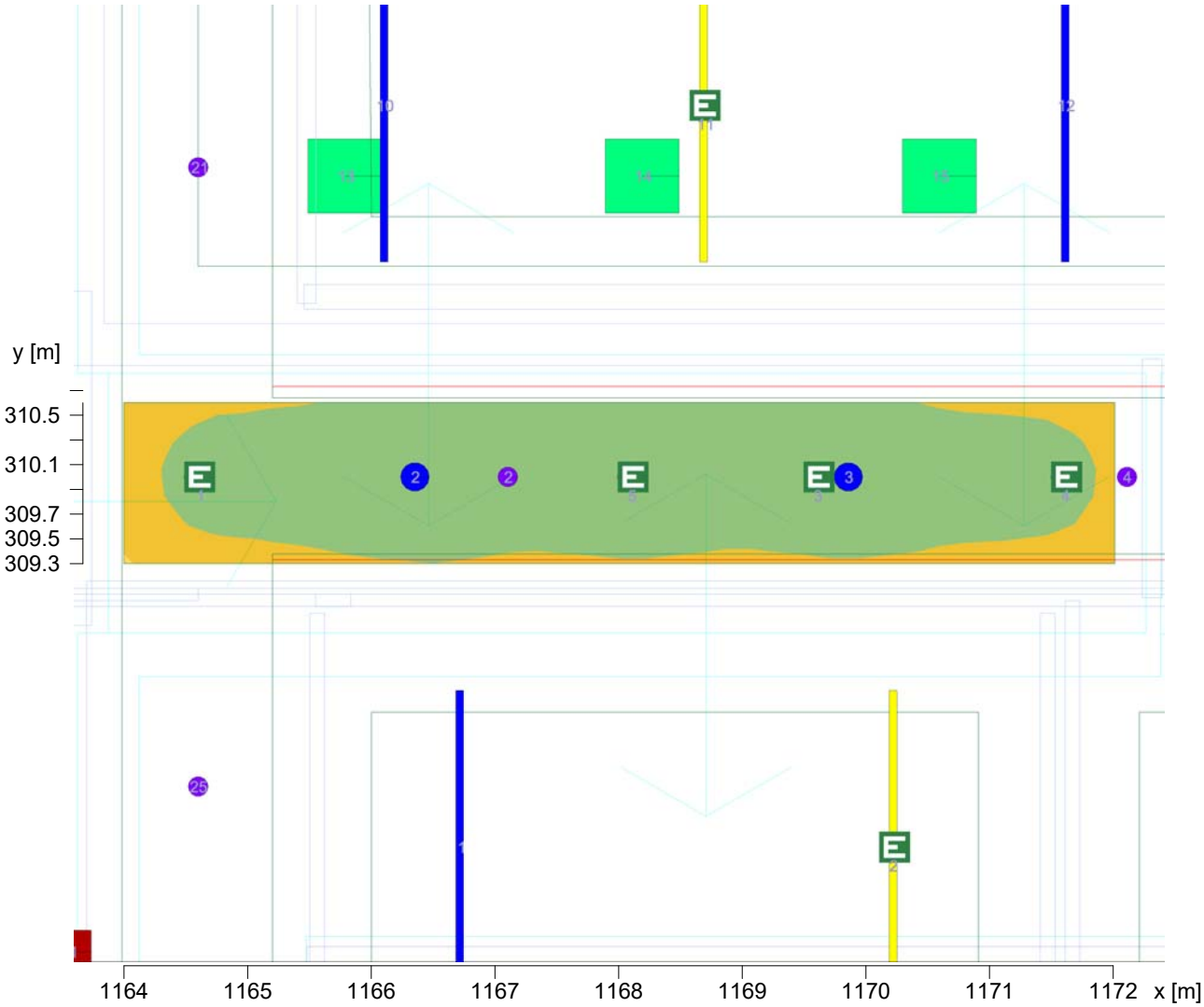


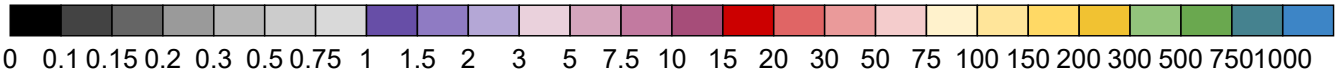


Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 364 lx
Minimum illuminance	E_{min}	: 191 lx
Maximum illuminance	E_{max}	: 448 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.91 (0.52)

2.3 Calculation results, Exterior 1

2.3.5 Pseudo colours, Circulation (E)



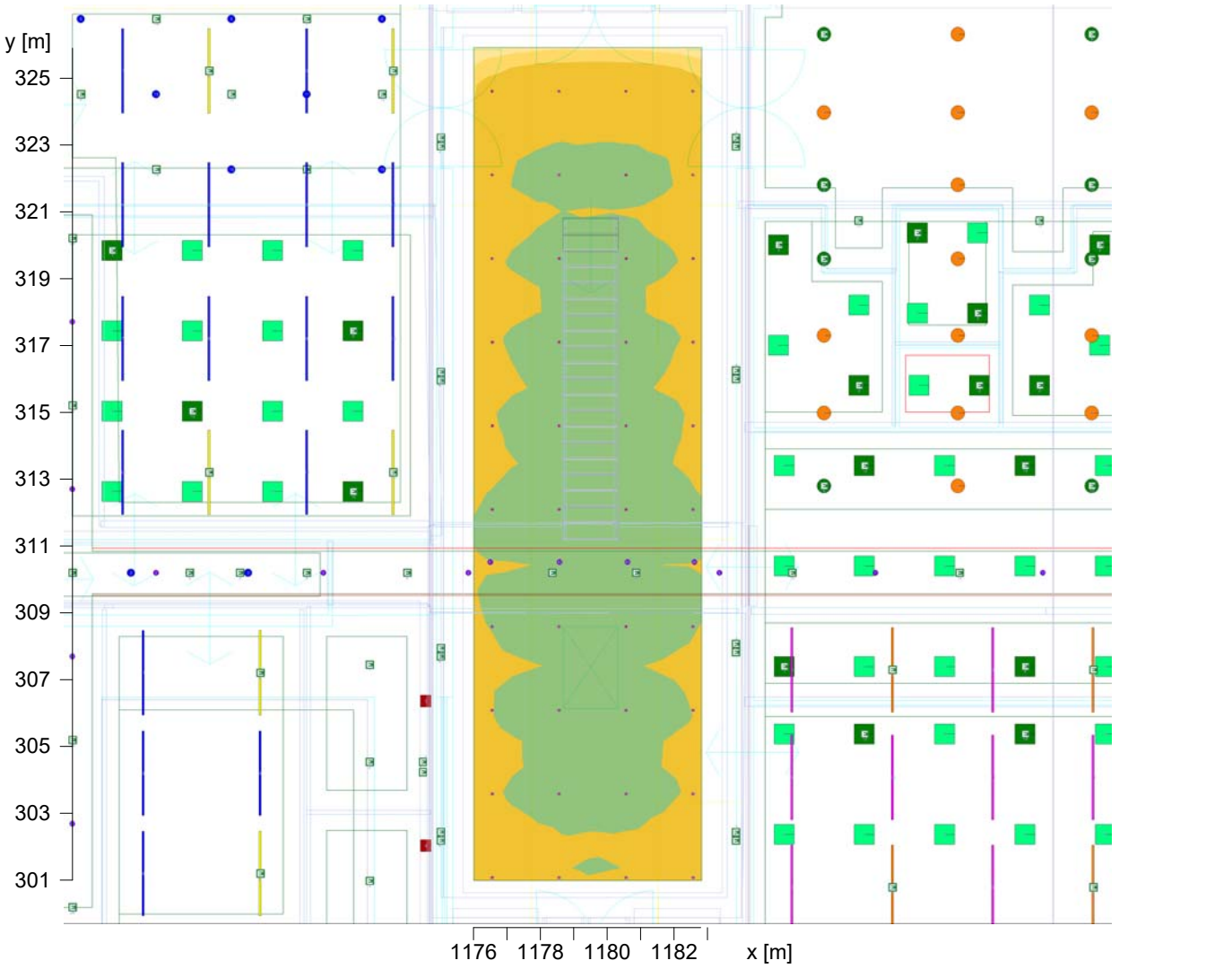


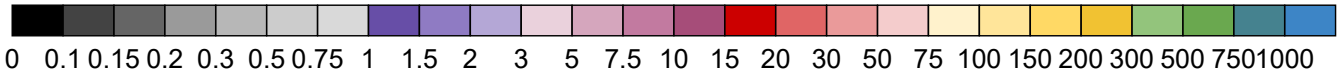
Illuminance [lx]

Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 332 lx
Minimum illuminance	E_{min}	: 222 lx
Maximum illuminance	E_{max}	: 384 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.50 (0.67)

2.3 Calculation results, Exterior 1

2.3.6 Pseudo colours, Atrium (E)



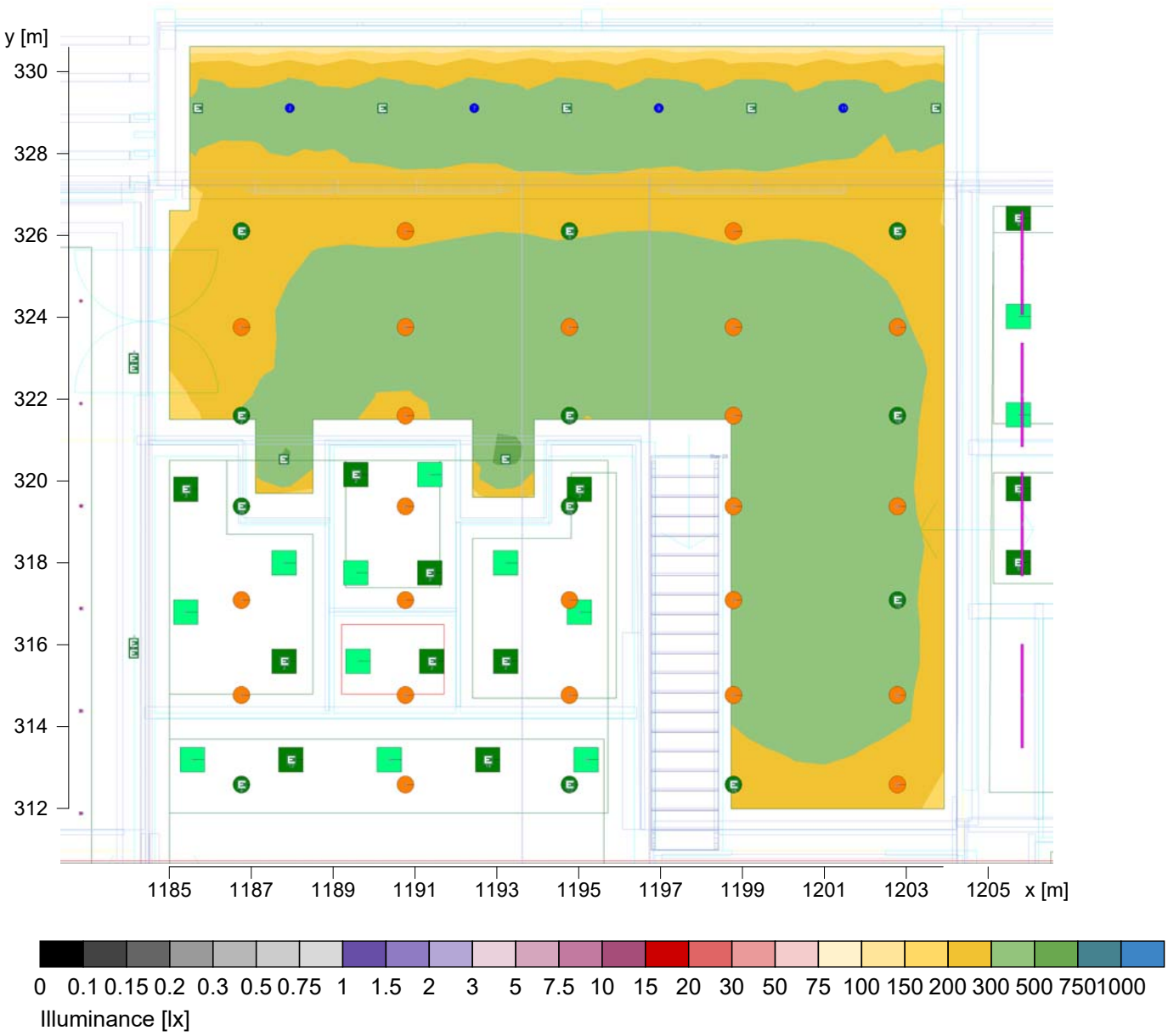


Illuminance [lx]

Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 312 lx
Minimum illuminance	E_{min}	: 155 lx
Maximum illuminance	E_{max}	: 461 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.01 (0.50)

2.3 Calculation results, Exterior 1

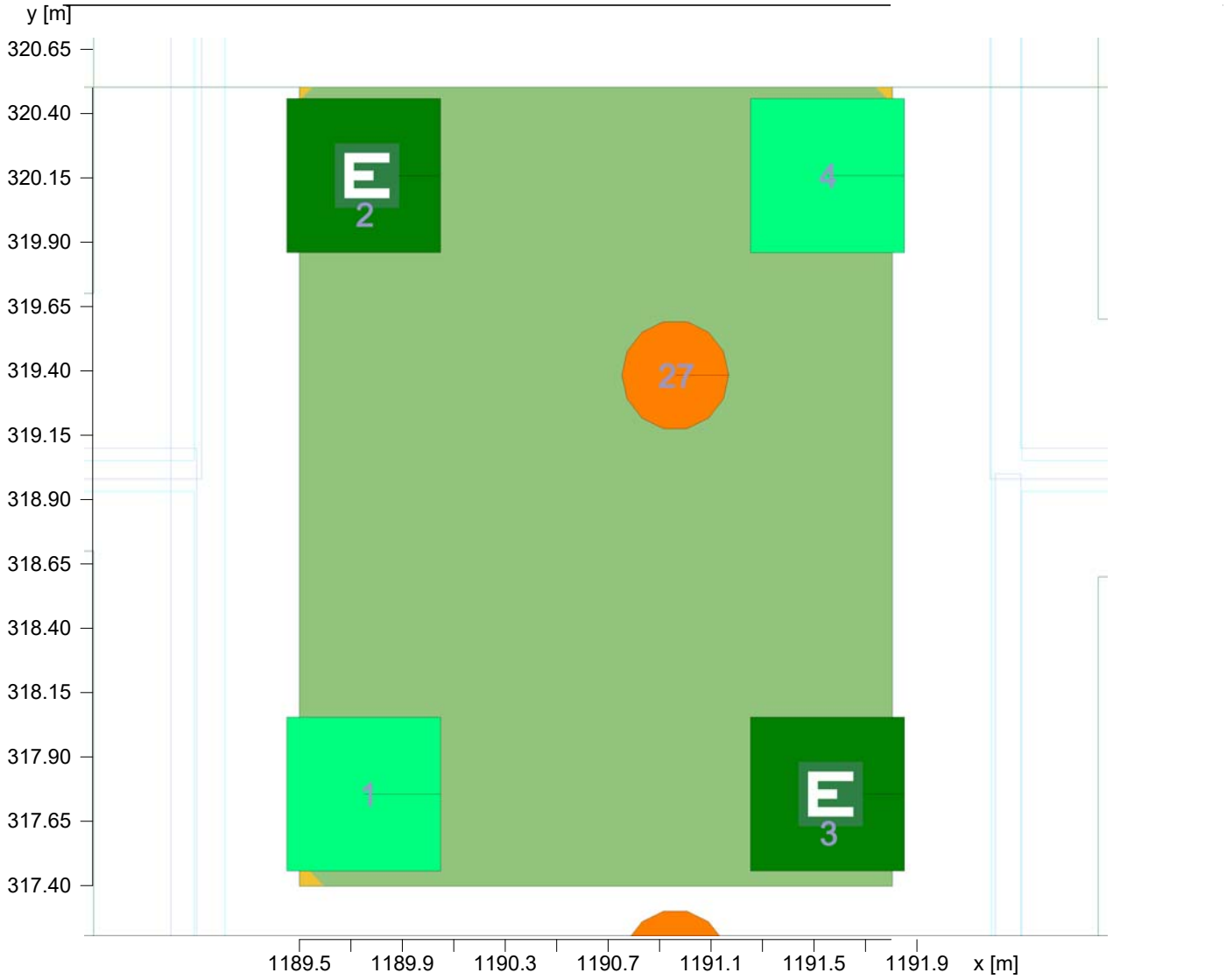
2.3.7 Pseudo colours, Cafe (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 312 lx
Minimum illuminance	E_{min}	: 198 lx
Maximum illuminance	E_{max}	: 482 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.58 (0.63)

2.3 Calculation results, Exterior 1

2.3.8 Pseudo colours, First Aid (E)

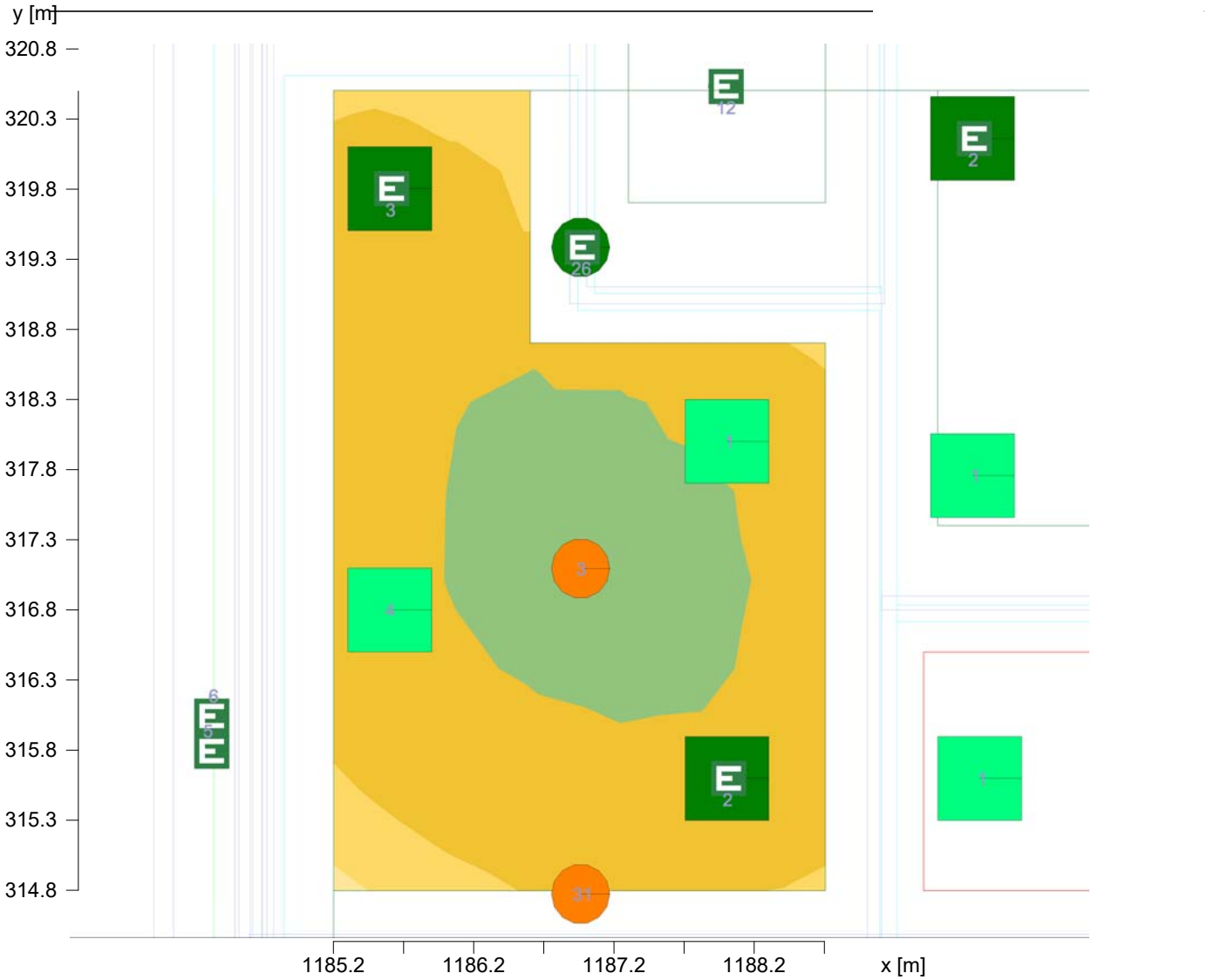




Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 385 lx
Minimum illuminance	E_{min}	: 328 lx
Maximum illuminance	E_{max}	: 423 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.18 (0.85)

2.3 Calculation results, Exterior 1

2.3.9 Pseudo colours, WC (E)



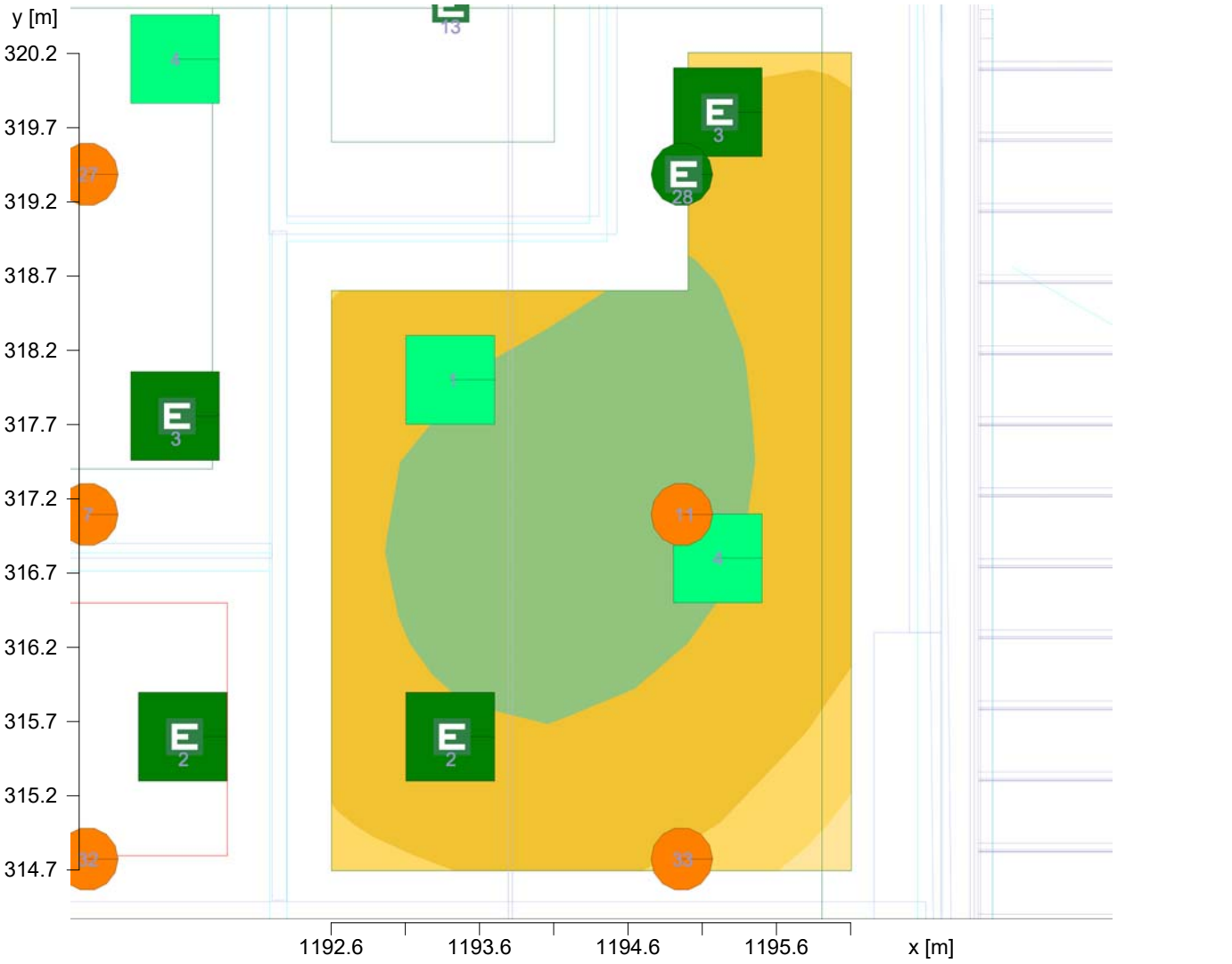


Illuminance [lx]

Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 274 lx
Minimum illuminance	E_{min}	: 178 lx
Maximum illuminance	E_{max}	: 329 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.54 (0.65)

2.3 Calculation results, Exterior 1

2.3.10 Pseudo colours, WC (E)



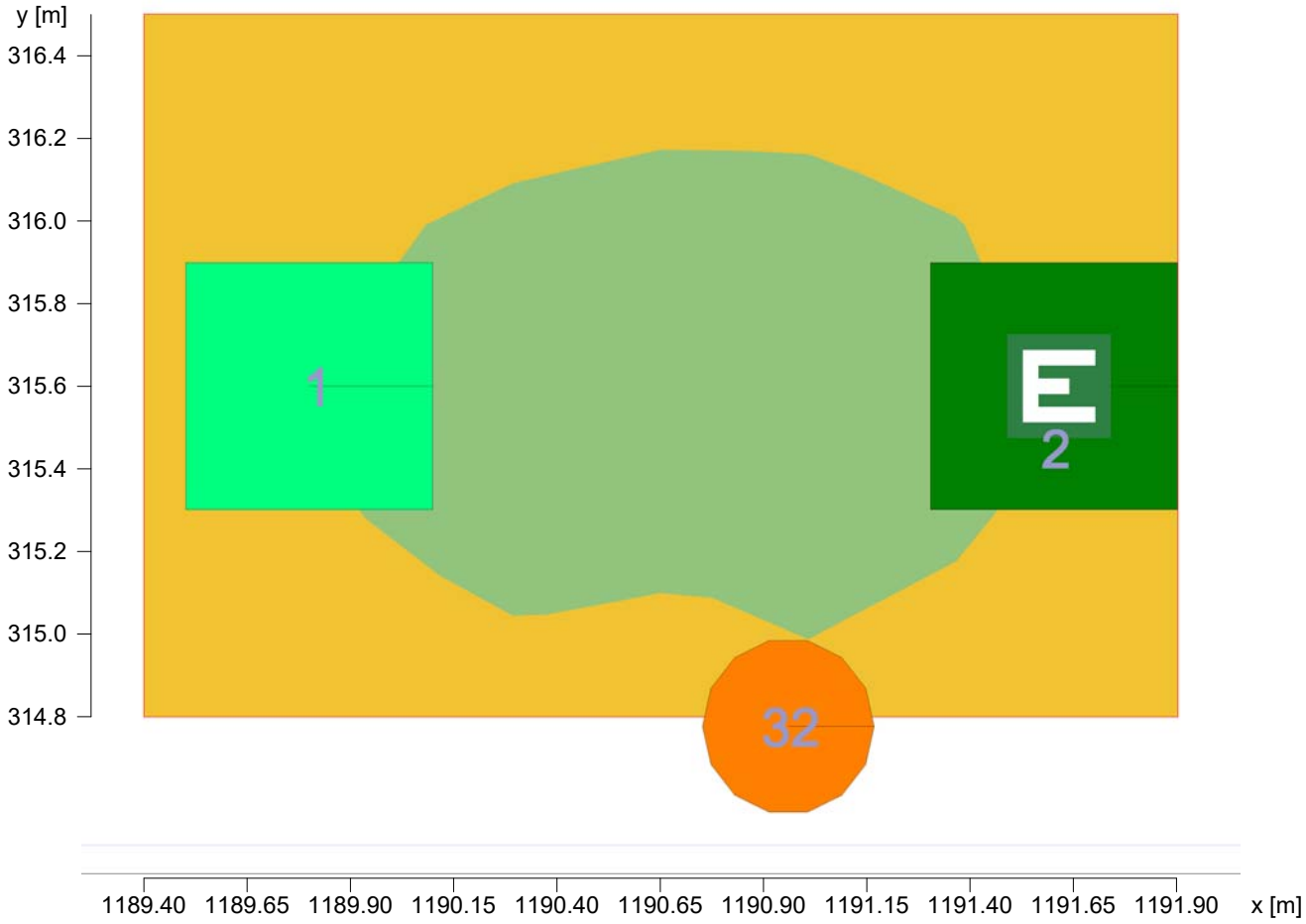


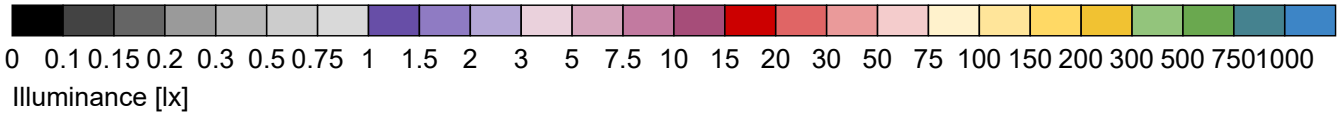
Illuminance [lx]

Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 280 lx
Minimum illuminance	E_{min}	: 159 lx
Maximum illuminance	E_{max}	: 357 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.76 (0.57)

2.3 Calculation results, Exterior 1

2.3.11 Pseudo colours, Tuck Shop (E)

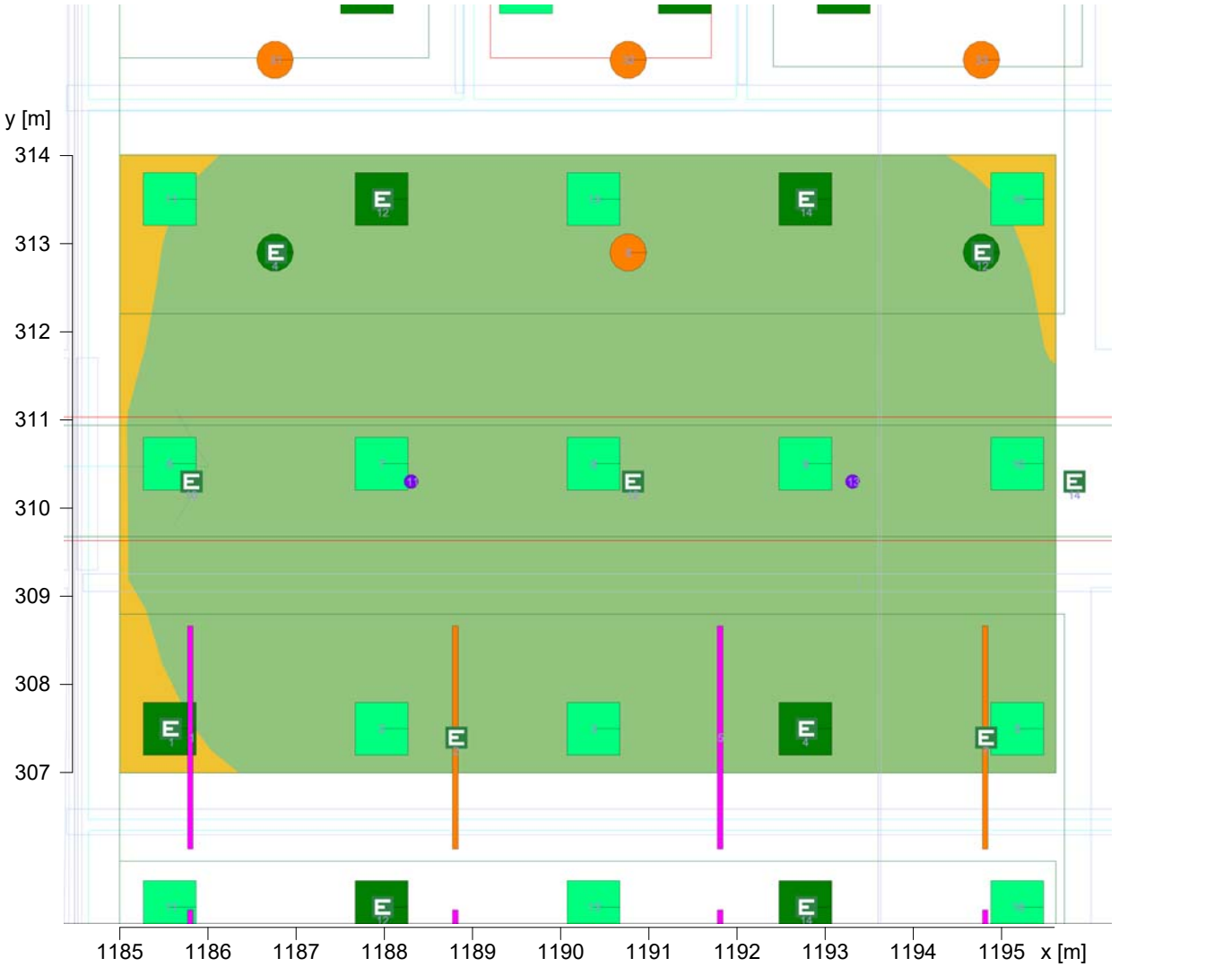


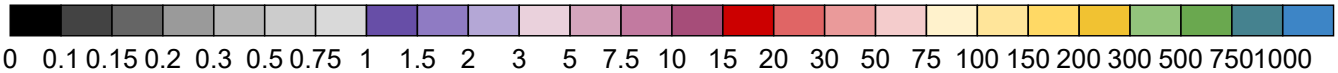


Height reference plane		: 0.75 m
Average illuminance	$\bar{E}_m$	: 292 lx
Minimum illuminance	E_{min}	: 243 lx
Maximum illuminance	E_{max}	: 324 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.20 (0.83)

2.3 Calculation results, Exterior 1

2.3.12 Pseudo colours, Youth Club Messy (E)



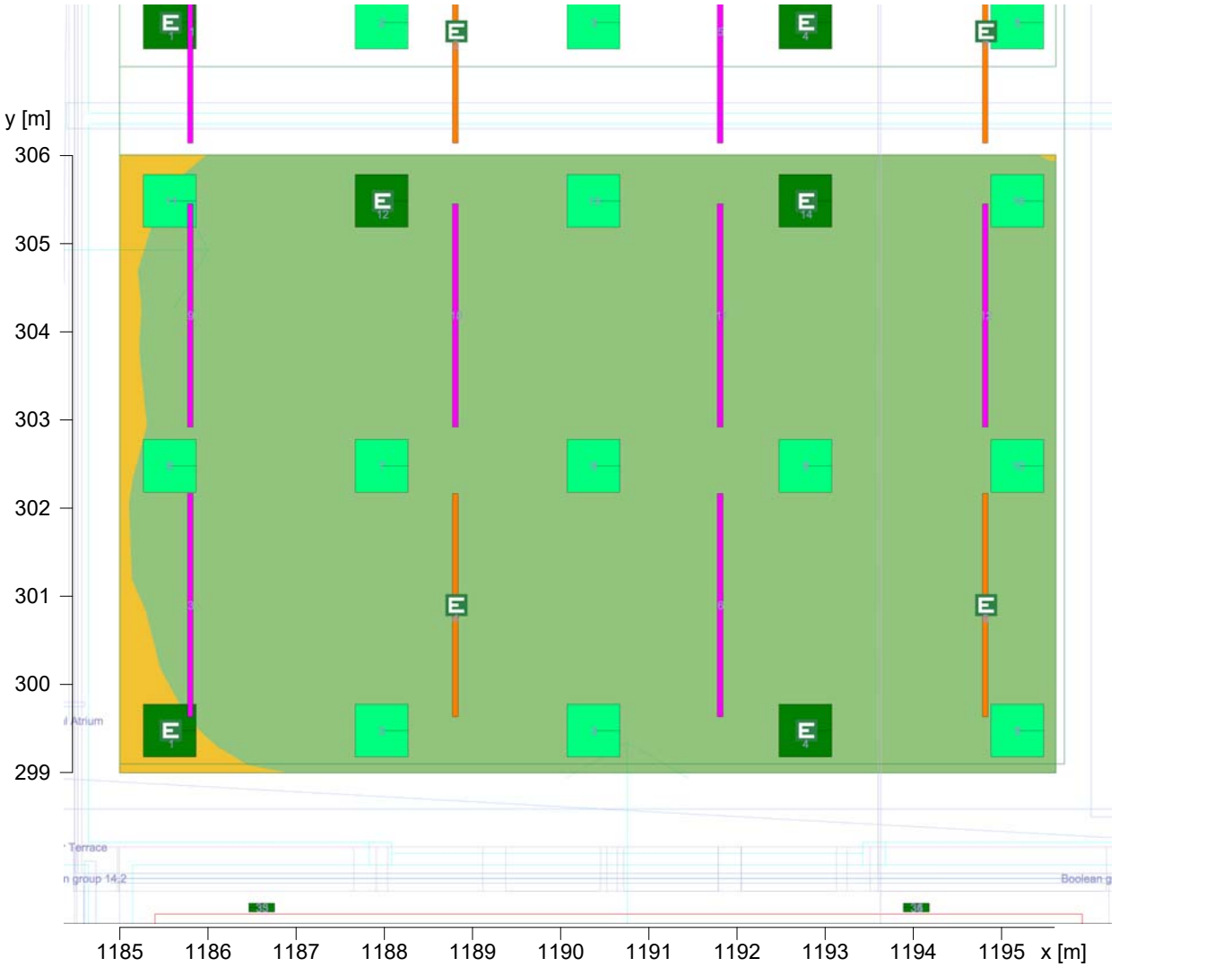


Illuminance [lx]

Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 369 lx
Minimum illuminance	E_{min}	: 278 lx
Maximum illuminance	E_{max}	: 404 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.33 (0.75)

2.3 Calculation results, Exterior 1

2.3.13 Pseudo colours, Youth Club Clean (E)

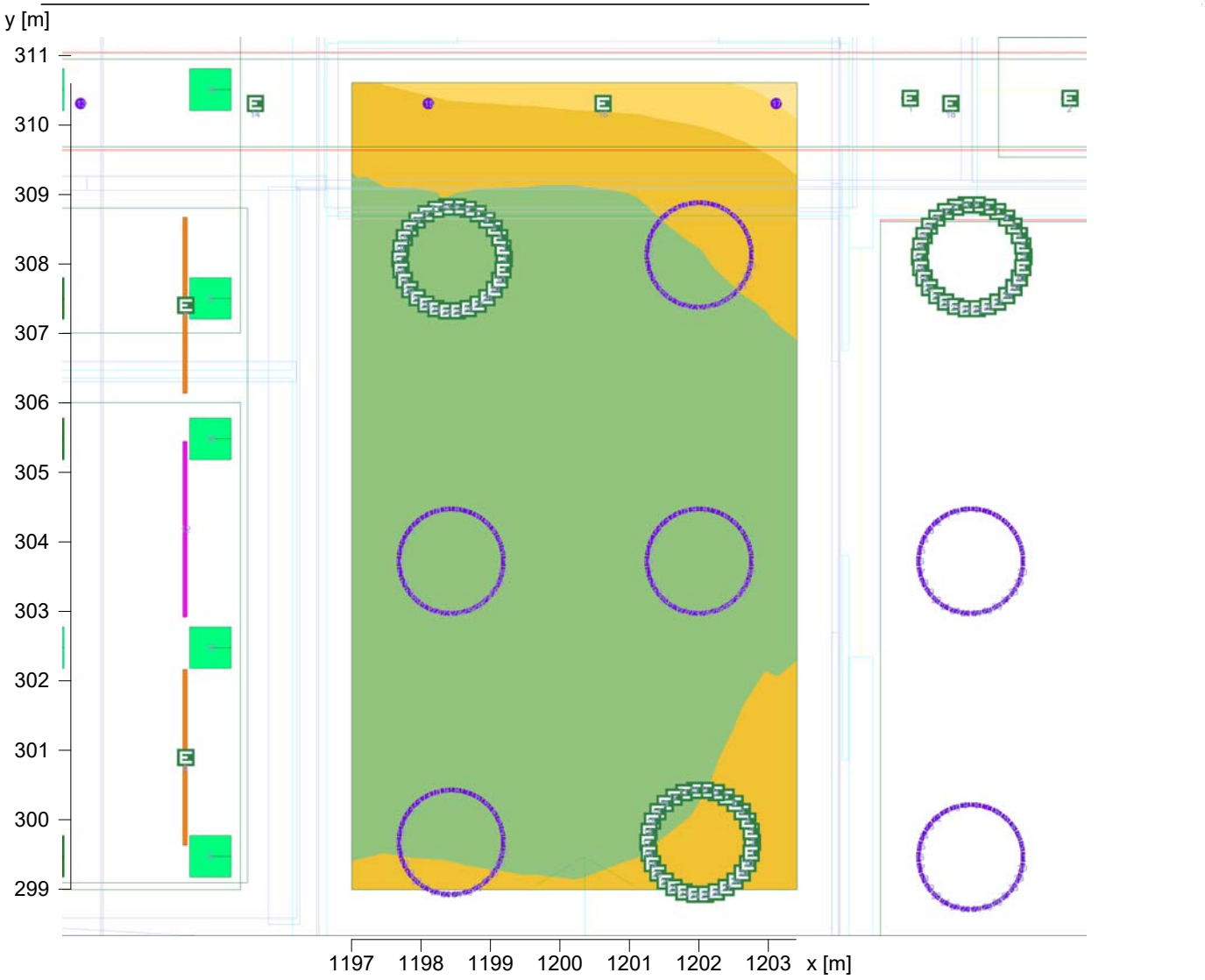


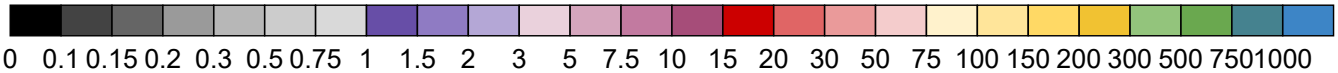


Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 374 lx
Minimum illuminance	E_{min}	: 282 lx
Maximum illuminance	E_{max}	: 410 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.33 (0.75)

2.3 Calculation results, Exterior 1

2.3.14 Pseudo colours, Function 2 50P (E)

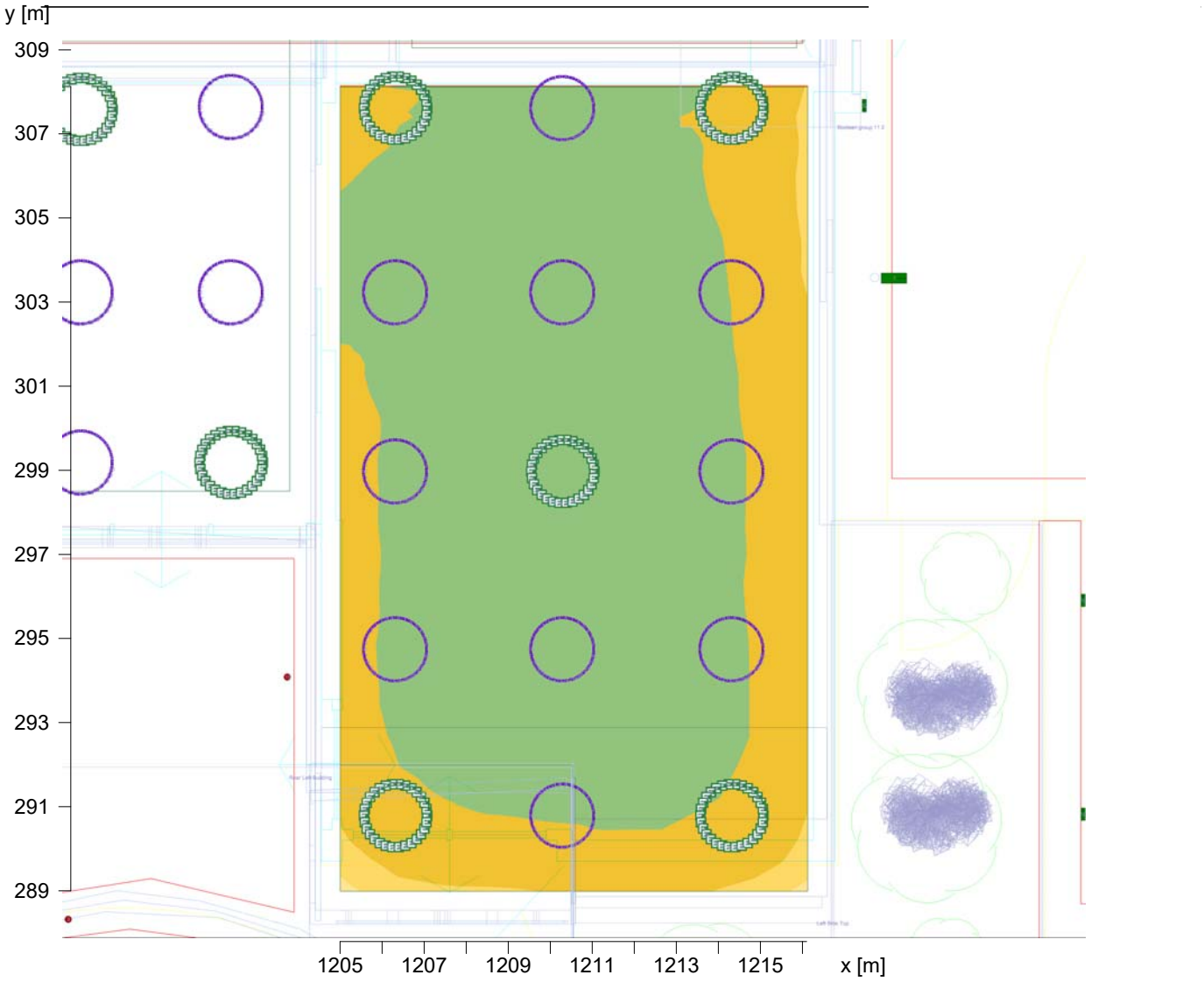


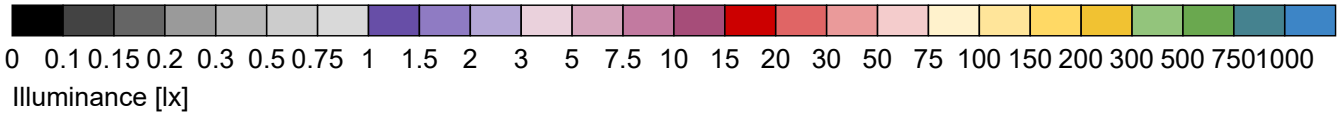


Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 325 lx
Minimum illuminance	E_{min}	: 166 lx
Maximum illuminance	E_{max}	: 391 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.96 (0.51)

2.3 Calculation results, Exterior 1

2.3.15 Pseudo colours, Function 1 150P (E)

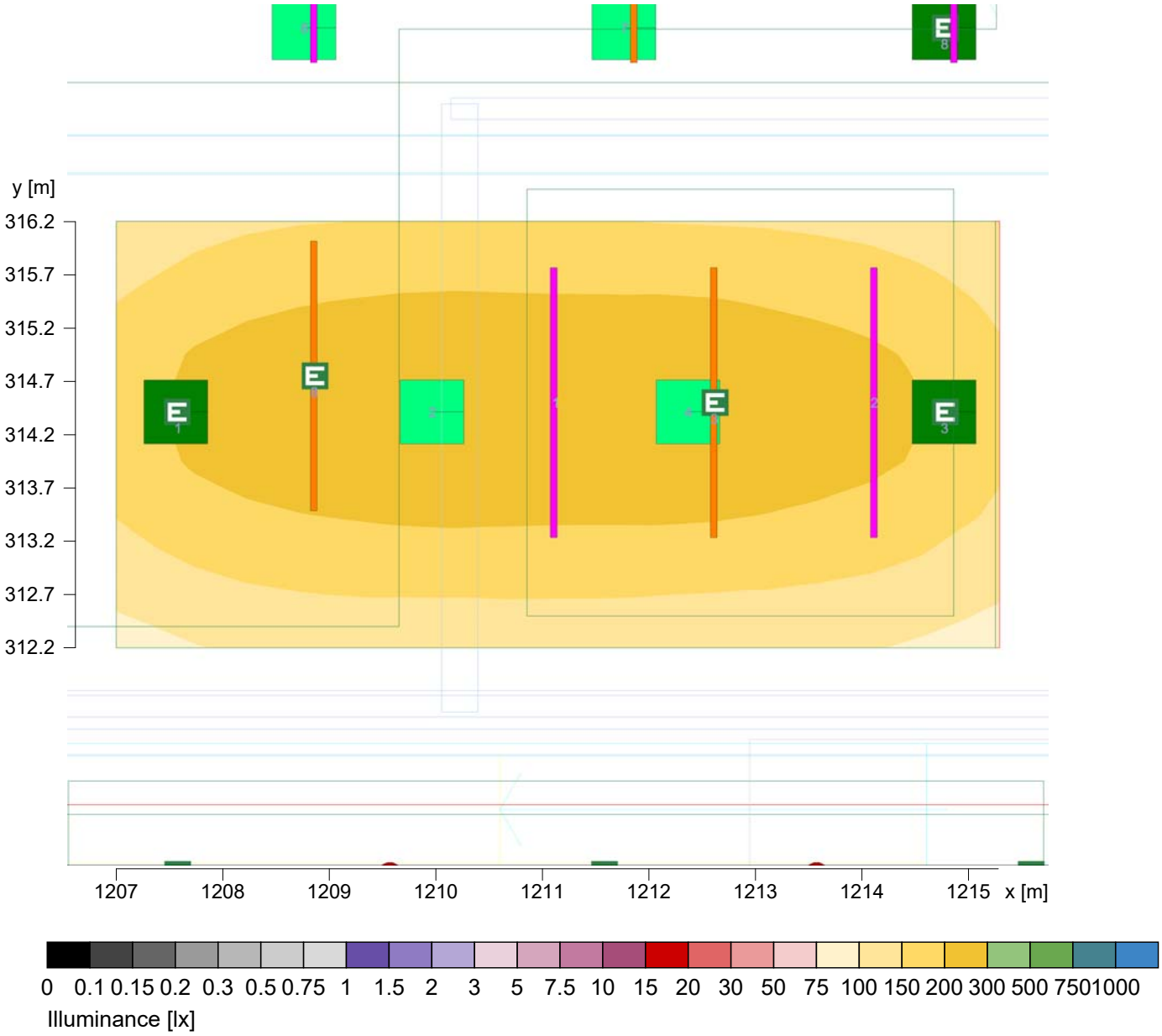




Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 310 lx
Minimum illuminance	E_{min}	: 197 lx
Maximum illuminance	E_{max}	: 349 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.57 (0.64)

2.3 Calculation results, Exterior 1

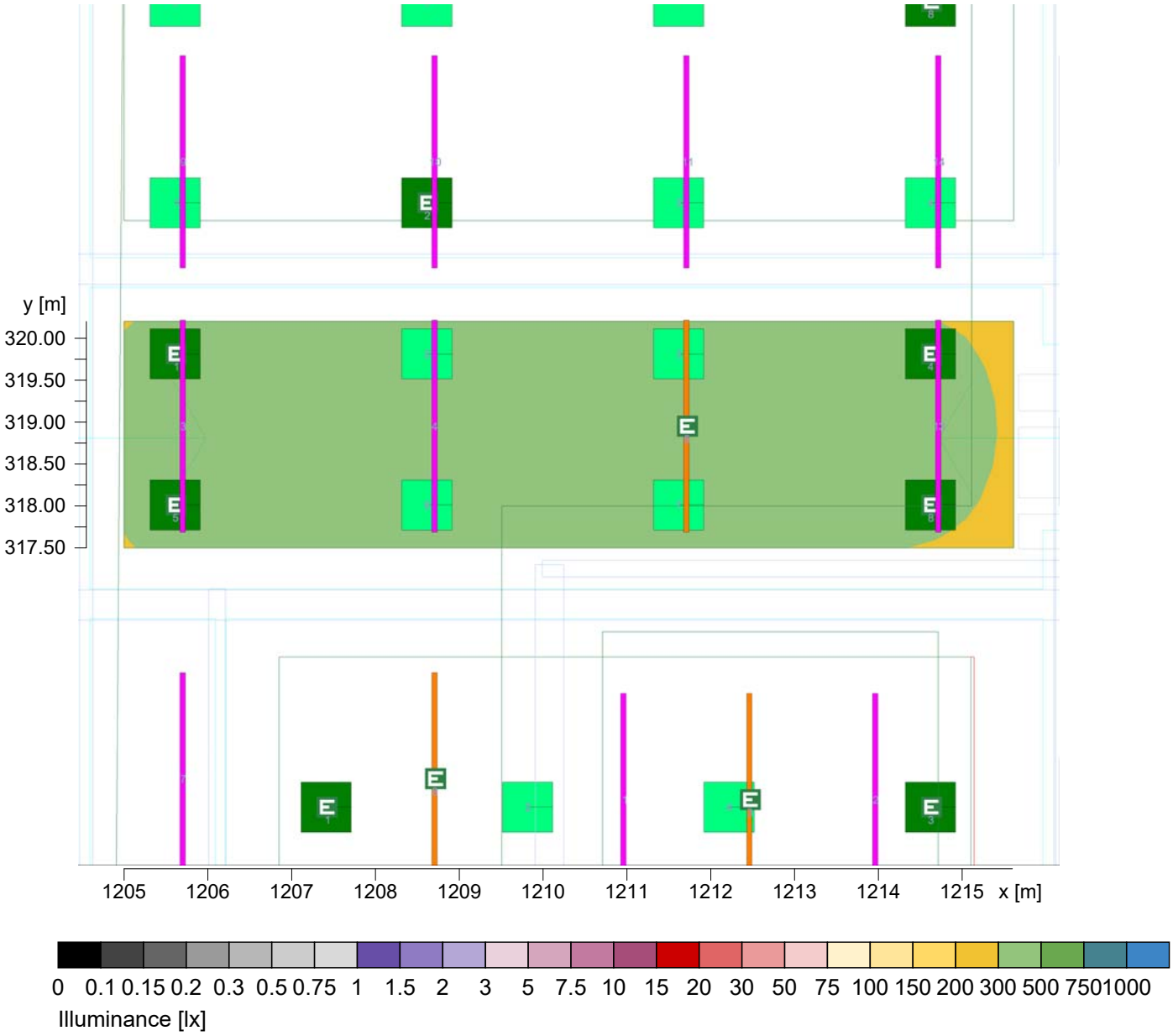
2.3.16 Pseudo colours, Stage Store (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 186 lx
Minimum illuminance	E_{min}	: 97 lx
Maximum illuminance	E_{max}	: 243 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.92 (0.52)

2.3 Calculation results, Exterior 1

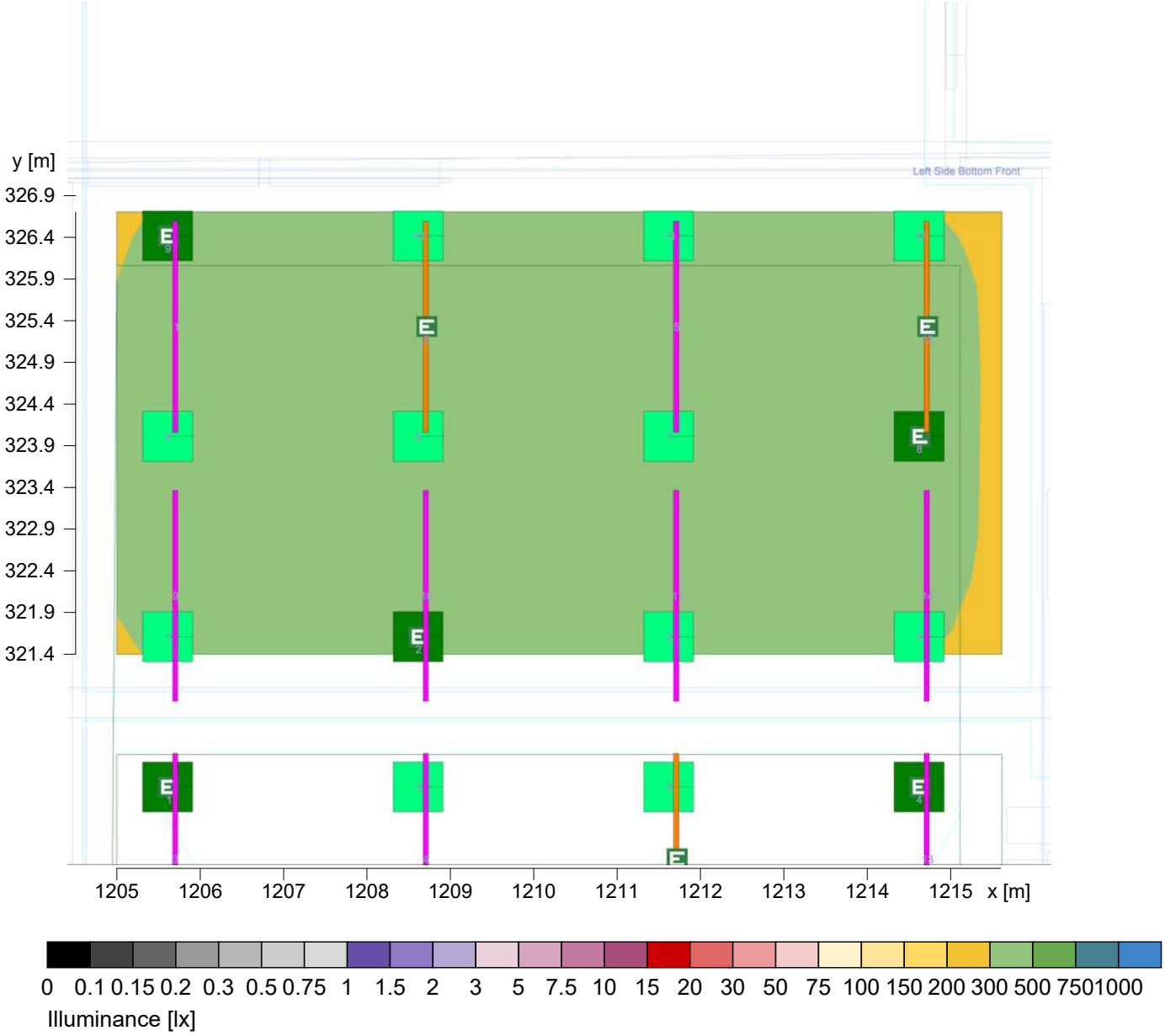
2.3.17 Pseudo colours, Kitchen (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 377 lx
Minimum illuminance	E_{min}	: 251 lx
Maximum illuminance	E_{max}	: 435 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.50 (0.66)

2.3 Calculation results, Exterior 1

2.3.18 Pseudo colours, Dial-a-Ride Facility (E)

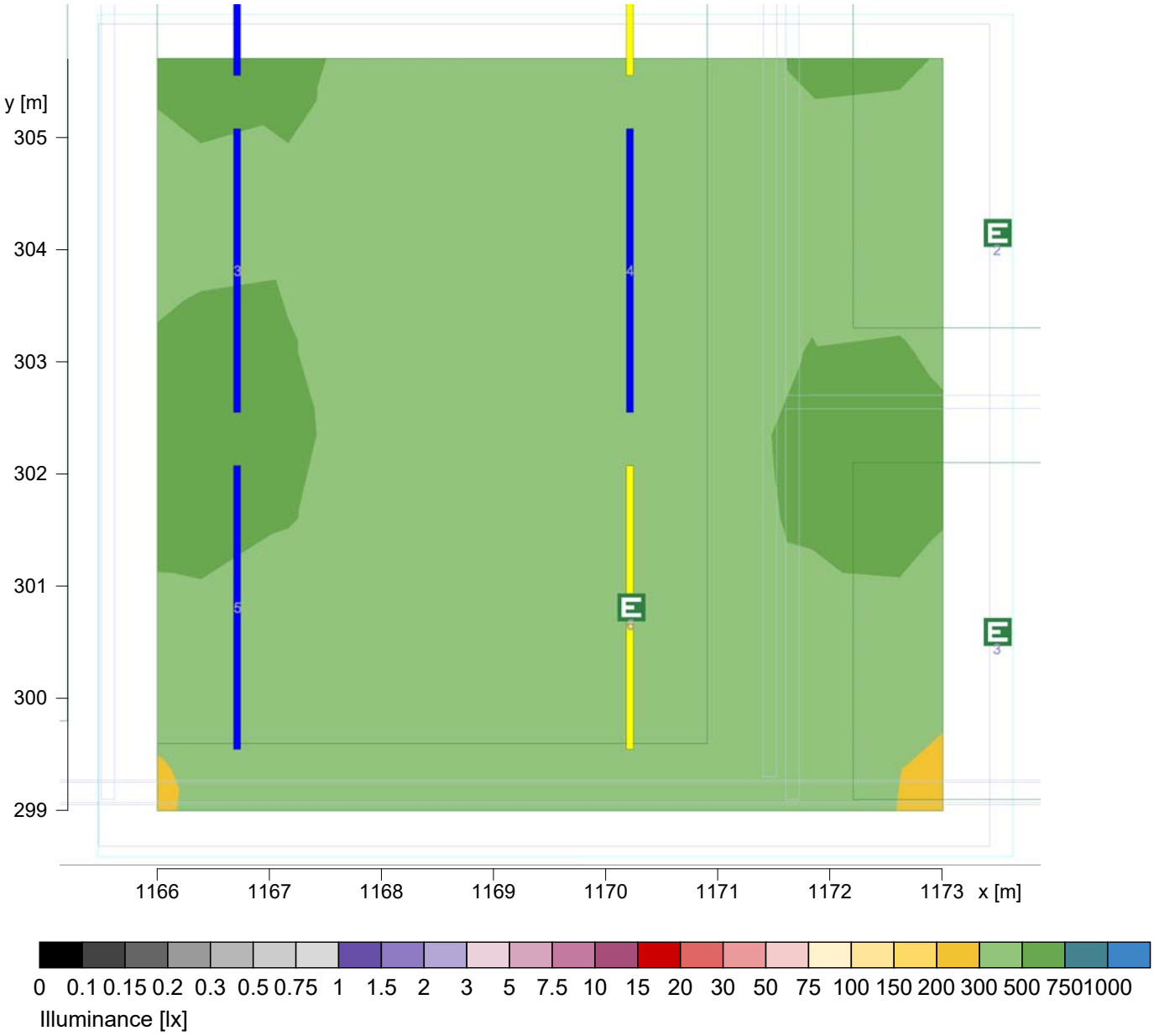


Illuminance [lx]

Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 374 lx
Minimum illuminance	E_{min}	: 277 lx
Maximum illuminance	E_{max}	: 415 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.35 (0.74)

2.3 Calculation results, Exterior 1

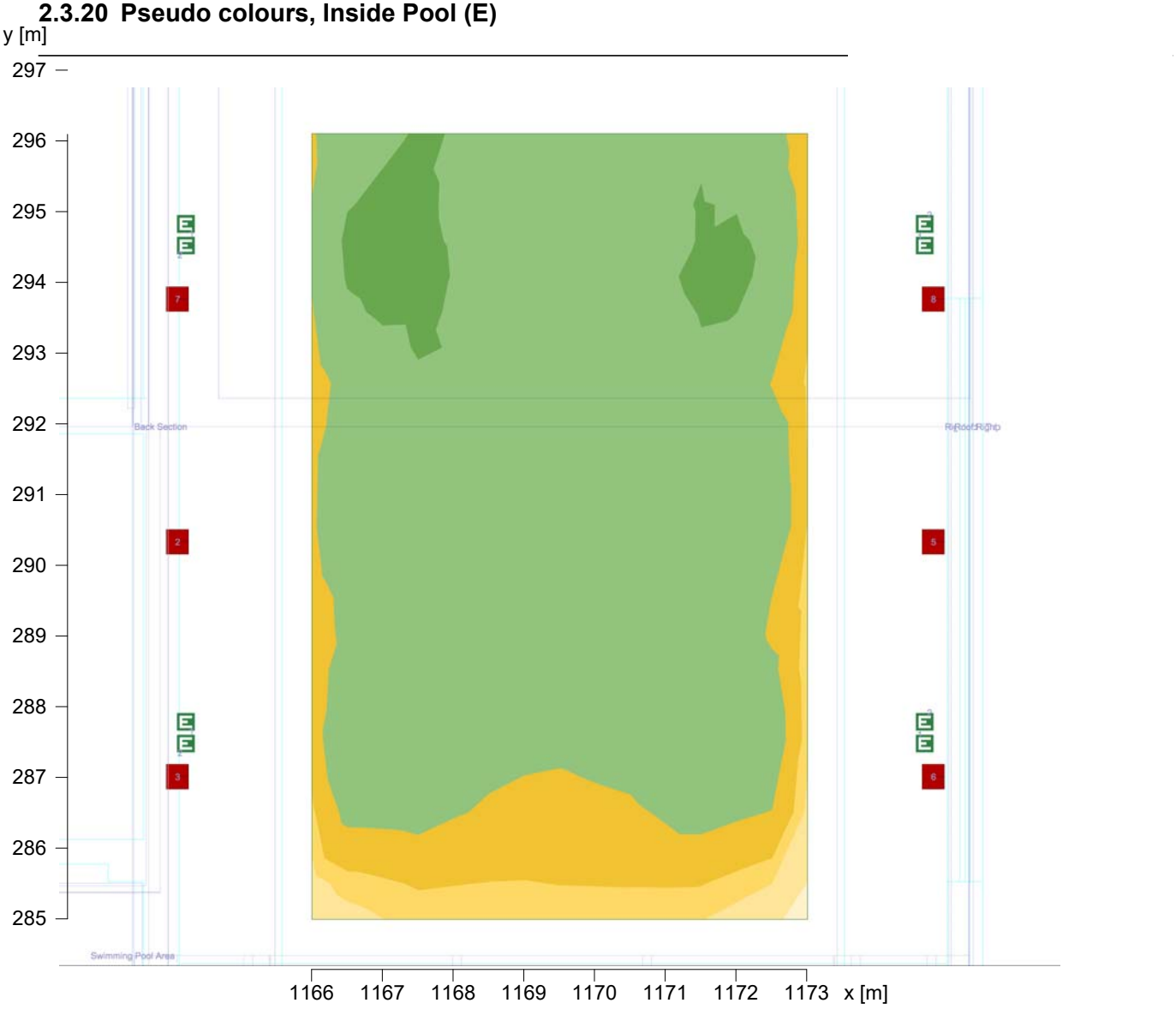
2.3.19 Pseudo colours, Training Pool (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 442 lx
Minimum illuminance	E_{min}	: 302 lx
Maximum illuminance	E_{max}	: 626 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.47 (0.68)

2.3 Calculation results, Exterior 1

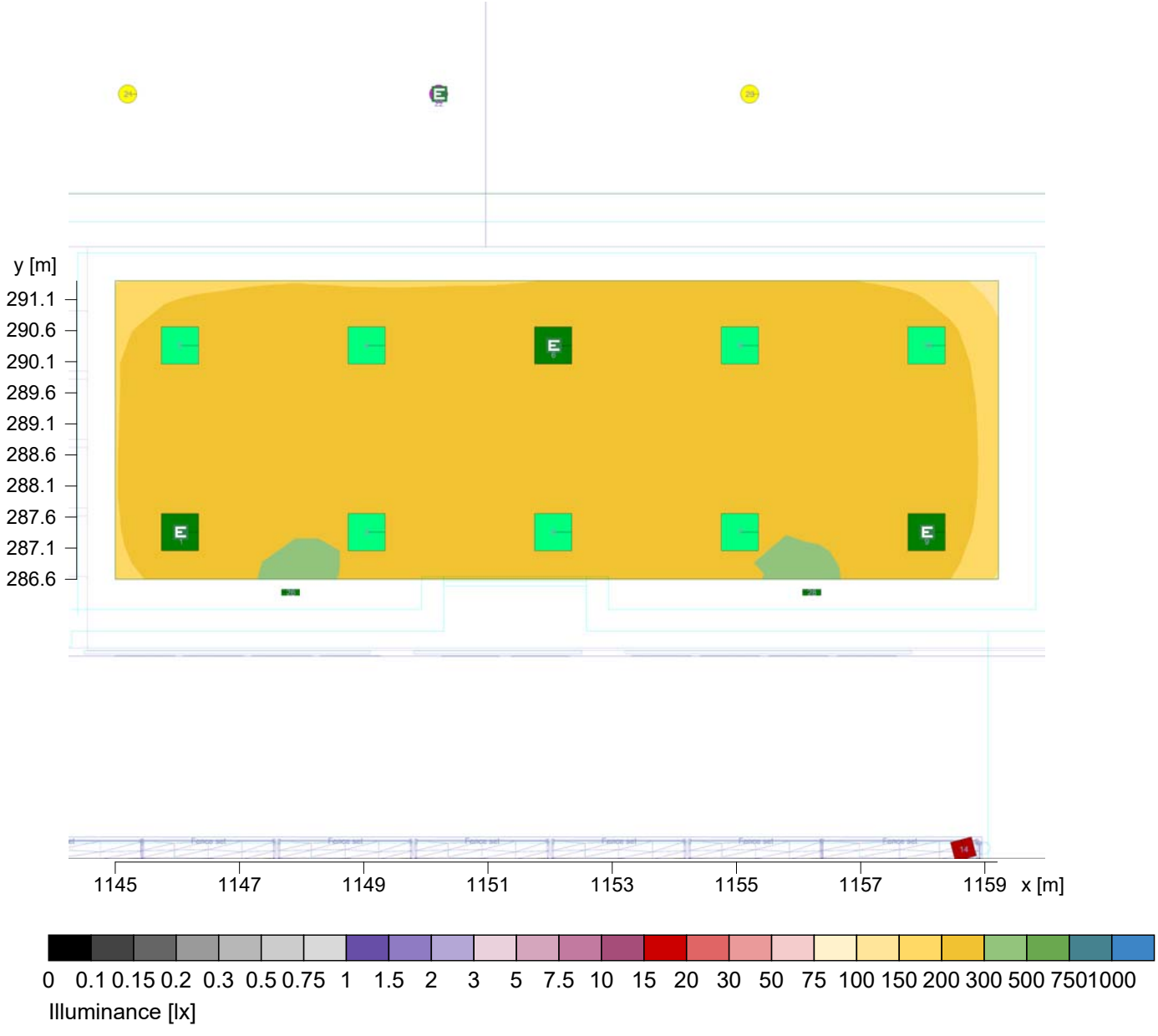
2.3.20 Pseudo colours, Inside Pool (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 400 lx
Minimum illuminance	E_{min}	: 150 lx
Maximum illuminance	E_{max}	: 533 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.66 (0.38)

2.3 Calculation results, Exterior 1

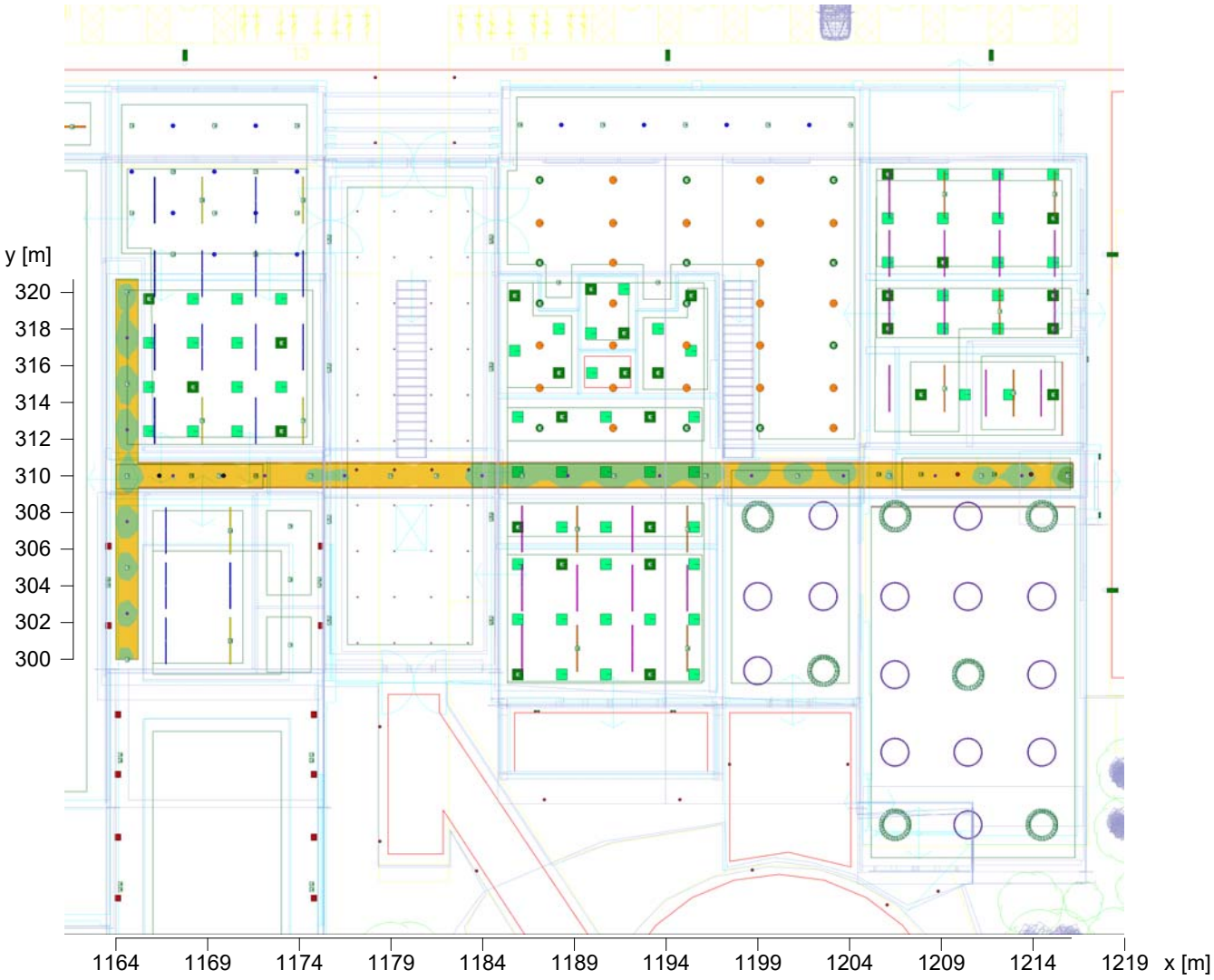
2.3.21 Pseudo colours, Football Changing (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 257 lx
Minimum illuminance	E_{min}	: 154 lx
Maximum illuminance	E_{max}	: 315 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.68 (0.60)

2.3 Calculation results, Exterior 1

2.3.22 Pseudo colours, 1st Floor Walkway (E)



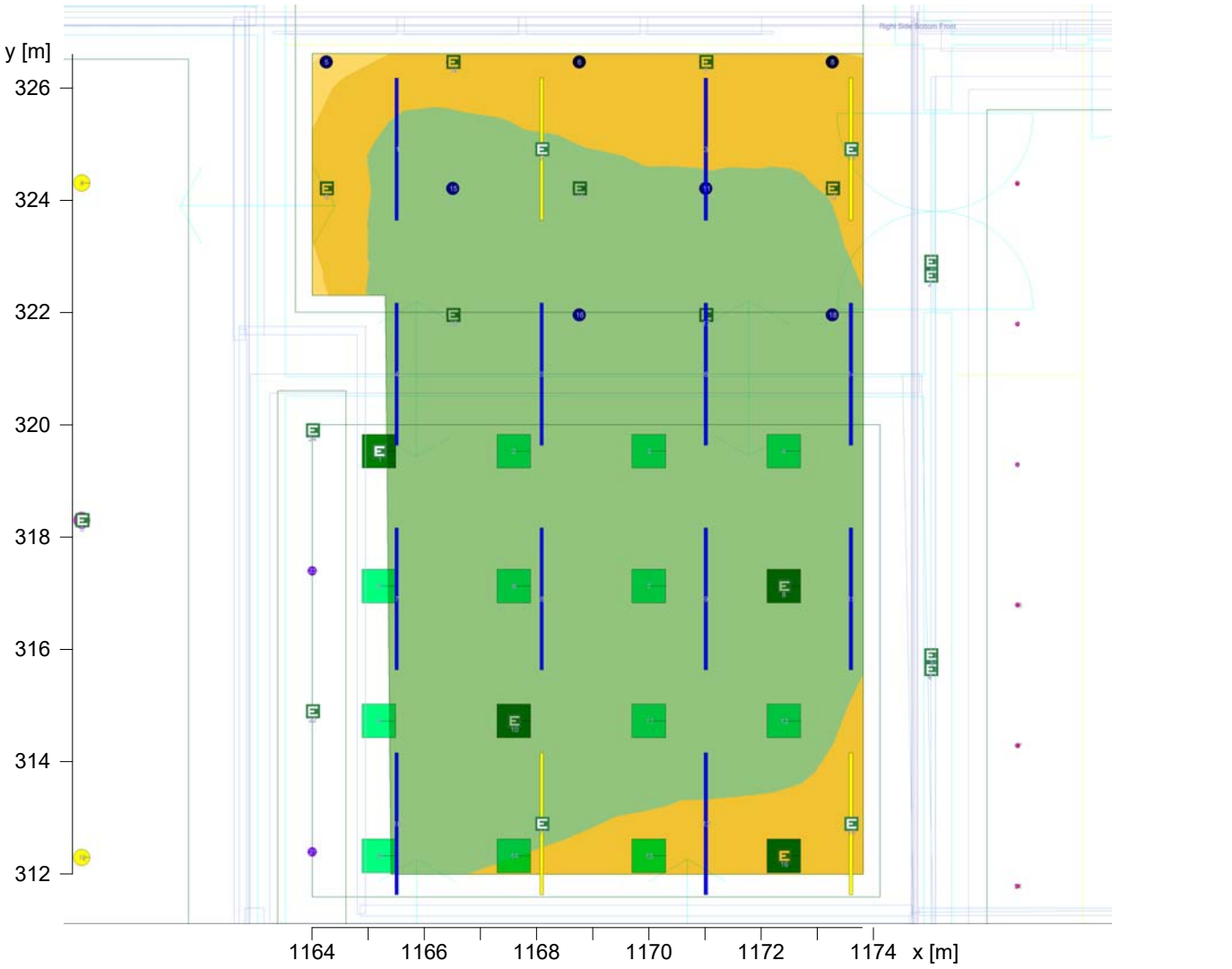


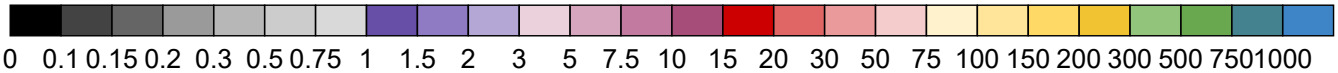
Illuminance [lx]

Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 299 lx
Minimum illuminance	E_{min}	: 192 lx
Maximum illuminance	E_{max}	: 792 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.56 (0.64)

2.3 Calculation results, Exterior 1

2.3.23 Pseudo colours, 1st Floor Gym (E)

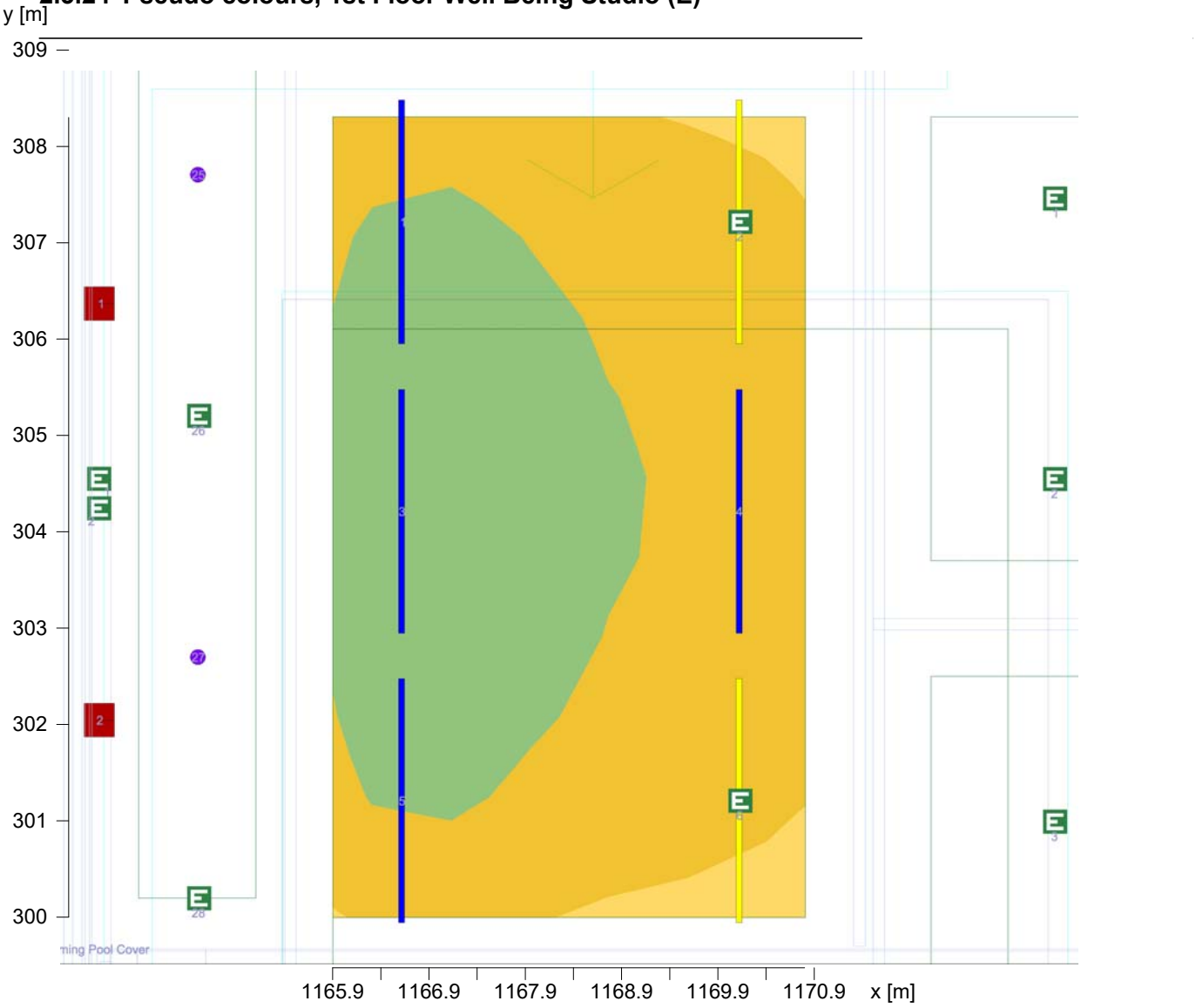




Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 336 lx
Minimum illuminance	E_{min}	: 213 lx
Maximum illuminance	E_{max}	: 425 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.58 (0.63)

2.3 Calculation results, Exterior 1

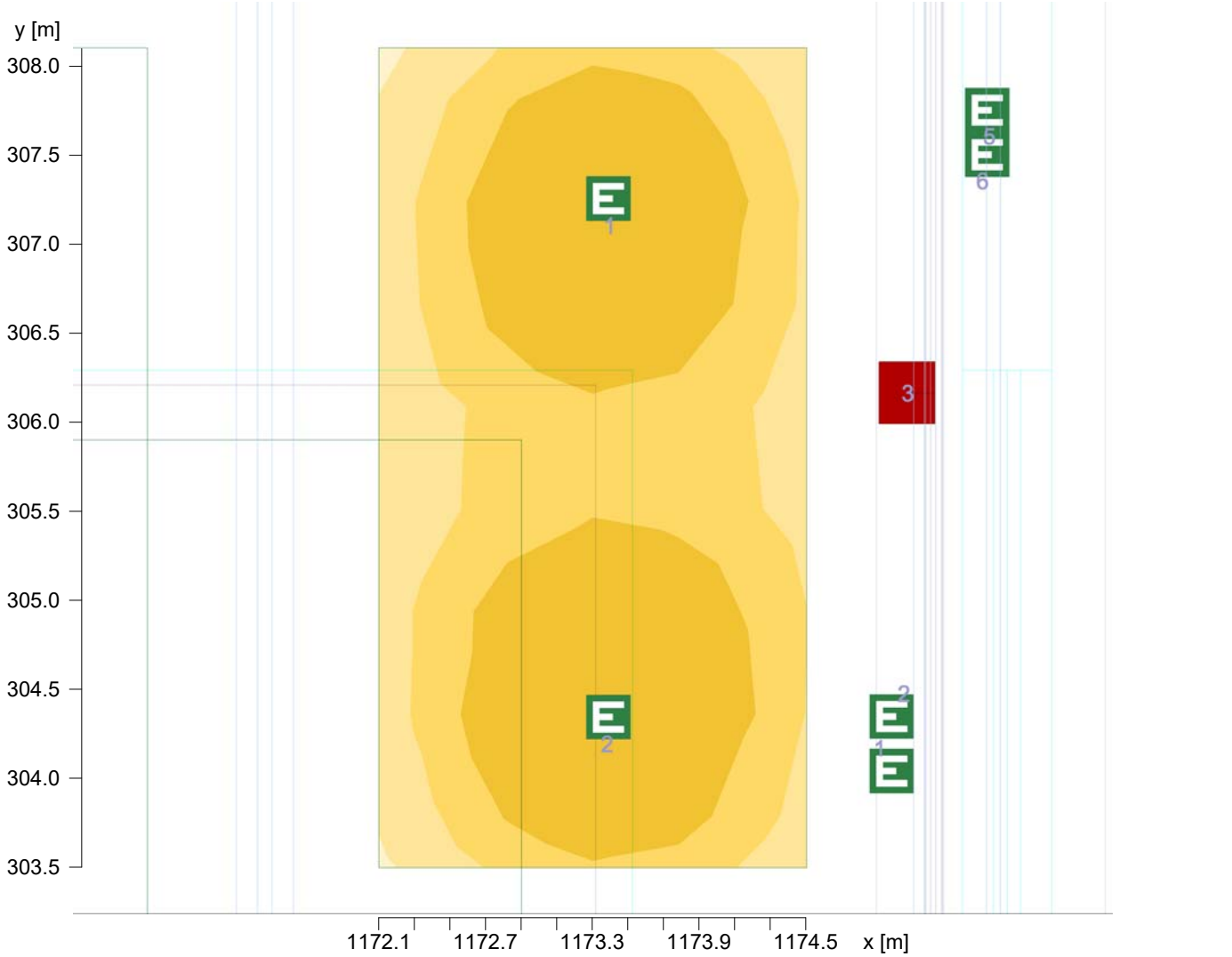
2.3.24 Pseudo colours, 1st Floor Well Being Studio (E)



Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 289 lx
Minimum illuminance	E_{min}	: 184 lx
Maximum illuminance	E_{max}	: 373 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.57 (0.64)

2.3 Calculation results, Exterior 1

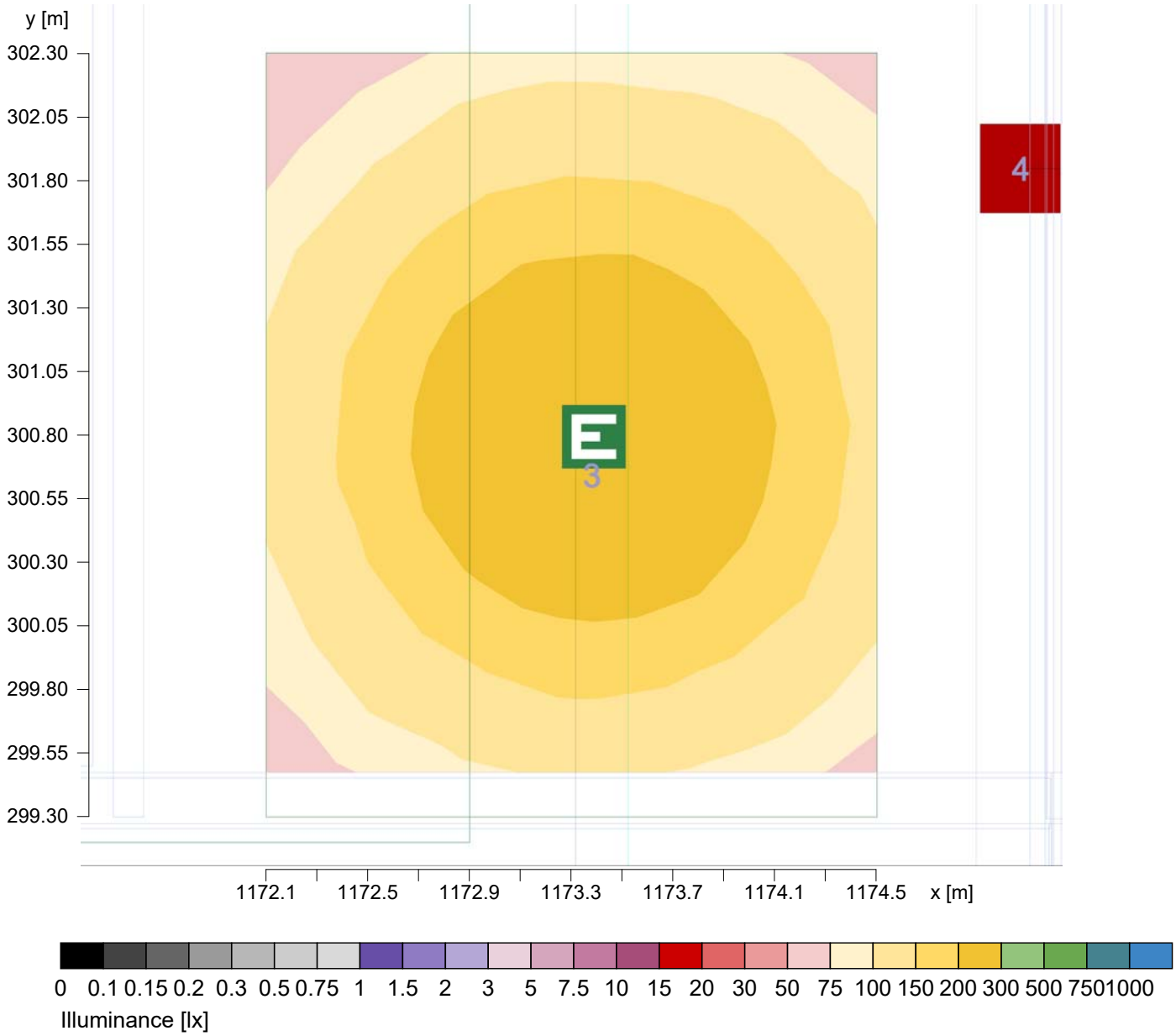
2.3.25 Pseudo colours, 1st Floor WC (E)



Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 199 lx
Minimum illuminance	E_{min}	: 130 lx
Maximum illuminance	E_{max}	: 296 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.54 (0.65)

2.3 Calculation results, Exterior 1

2.3.26 Pseudo colours, 1st Floor Store (E)

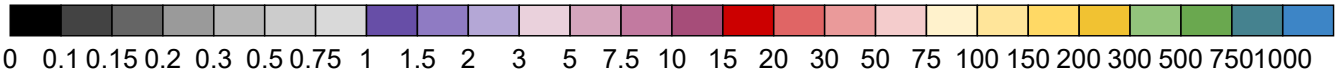


Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 151 lx
Minimum illuminance	E_{min}	: 69 lx
Maximum illuminance	E_{max}	: 267 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.21 (0.45)

2.3 Calculation results, Exterior 1

2.3.27 Pseudo colours, 1st Floor Library / Soft Play (E)



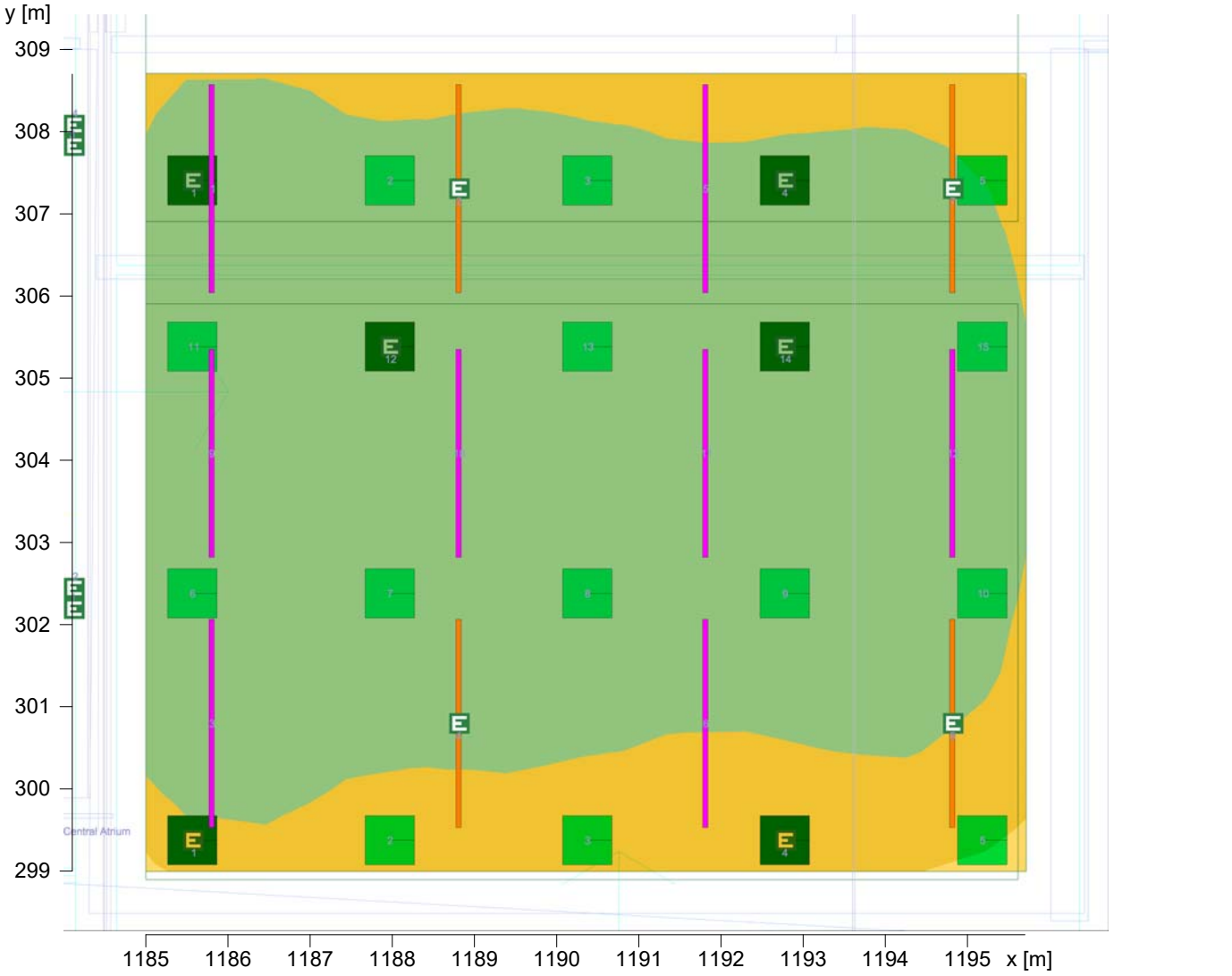


Illuminance [lx]

Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 452 lx
Minimum illuminance	E_{min}	: 313 lx
Maximum illuminance	E_{max}	: 573 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.44 (0.69)

2.3 Calculation results, Exterior 1

2.3.28 Pseudo colours, 1st Floor Meeting Room (E)

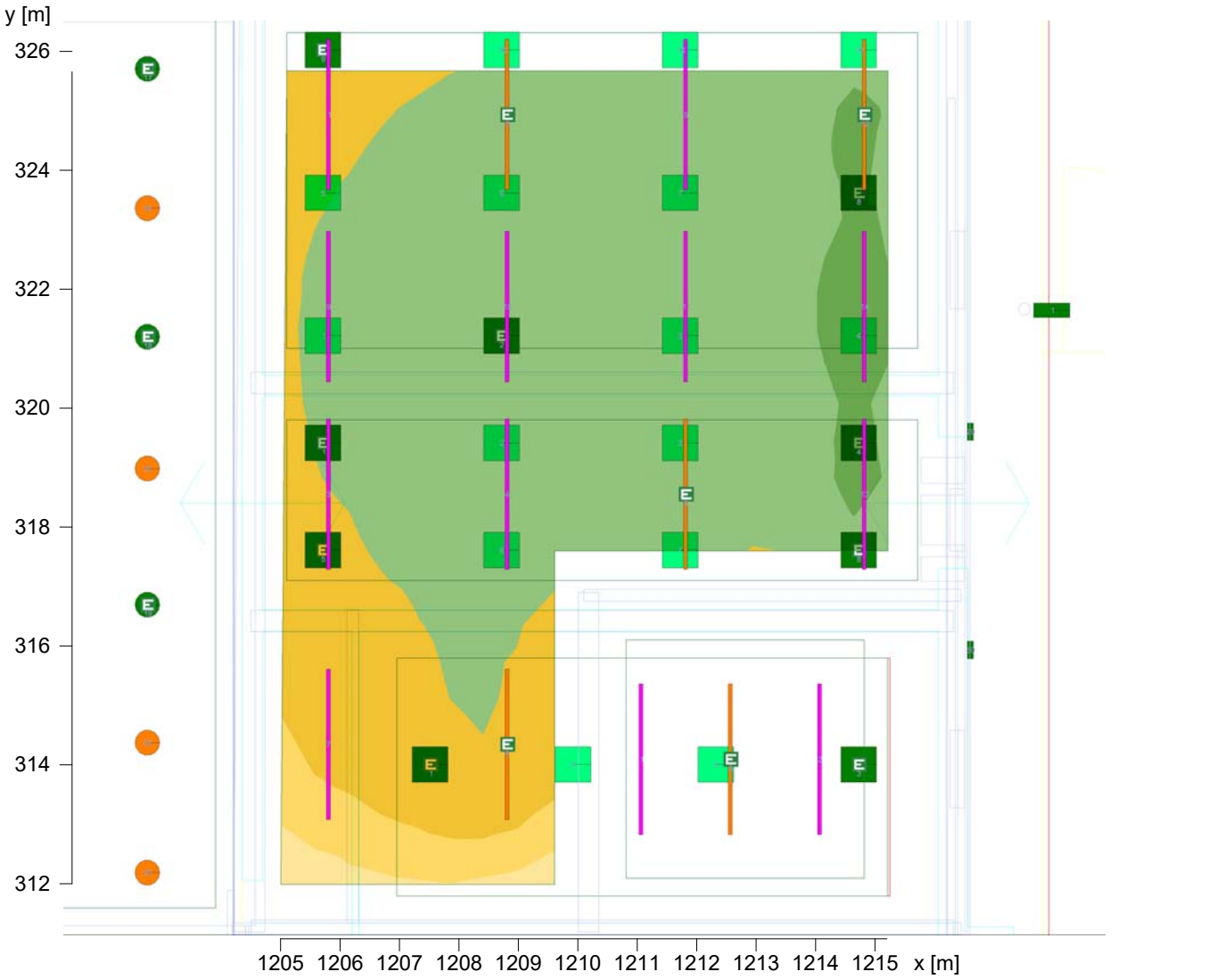




Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 353 lx
Minimum illuminance	E_{min}	: 216 lx
Maximum illuminance	E_{max}	: 483 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.64 (0.61)

2.3 Calculation results, Exterior 1

2.3.29 Pseudo colours, 1st Floor Space top Let (E)

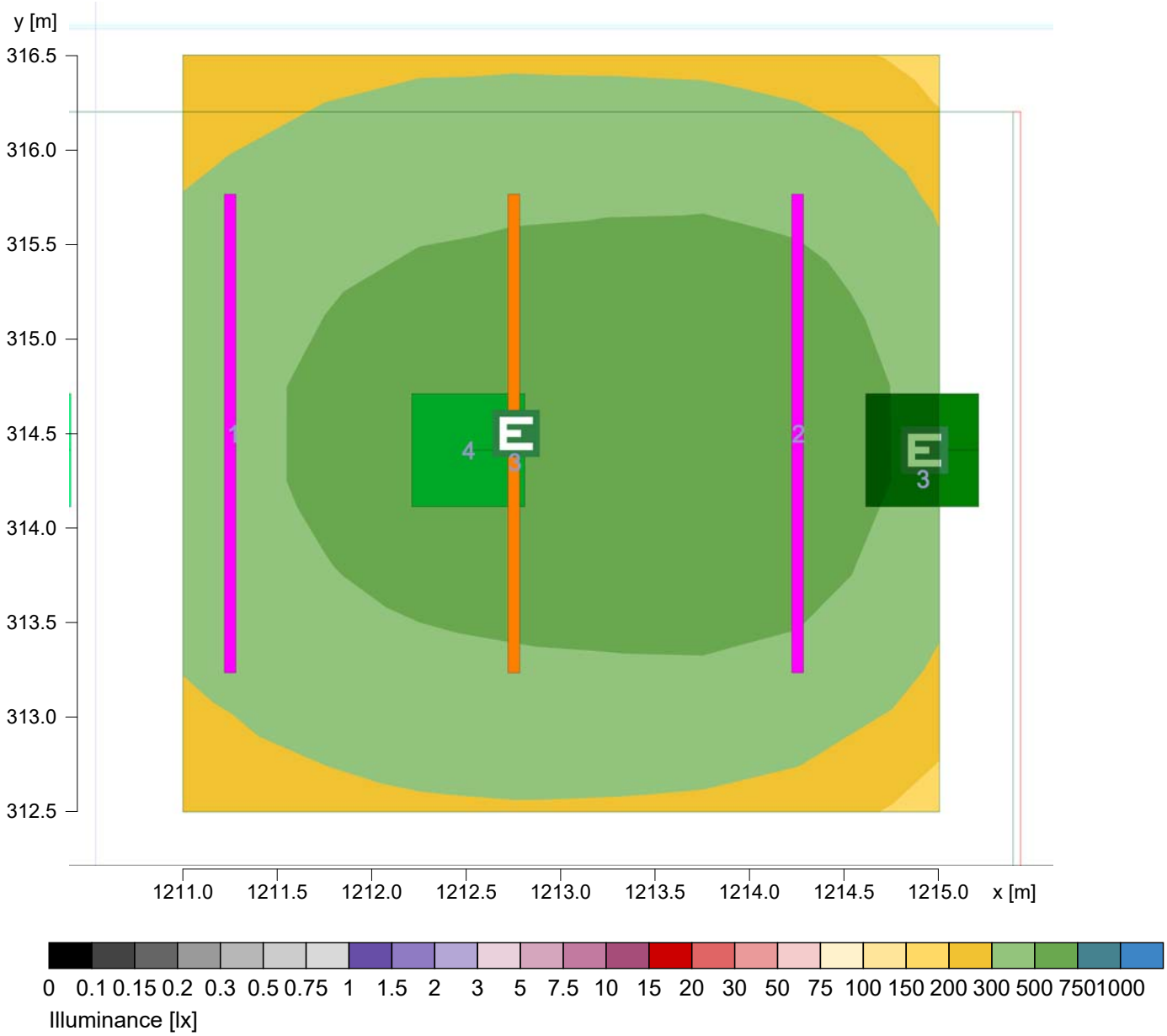




Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 368 lx
Minimum illuminance	E_{min}	: 151 lx
Maximum illuminance	E_{max}	: 577 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.44 (0.41)

2.3 Calculation results, Exterior 1

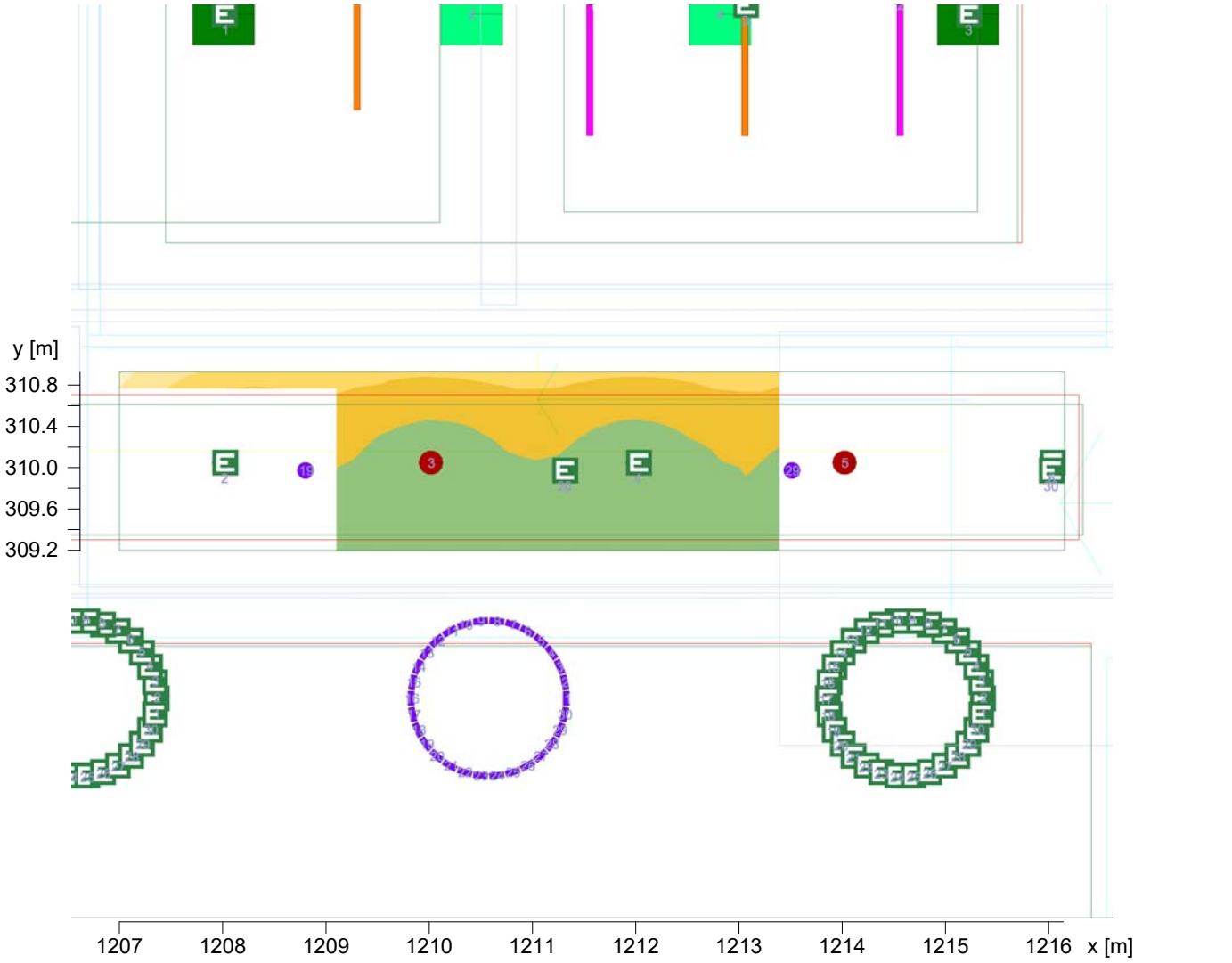
2.3.30 Pseudo colours, 1st Floor Music Studio (E)

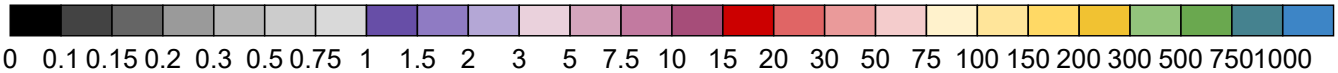


Height reference plane		: 4.00 m
Average illuminance	$\bar{E}_m$	: 463 lx
Minimum illuminance	E_{min}	: 236 lx
Maximum illuminance	E_{max}	: 692 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.96 (0.51)

2.3 Calculation results, Exterior 1

2.3.31 Pseudo colours, Stage (E)



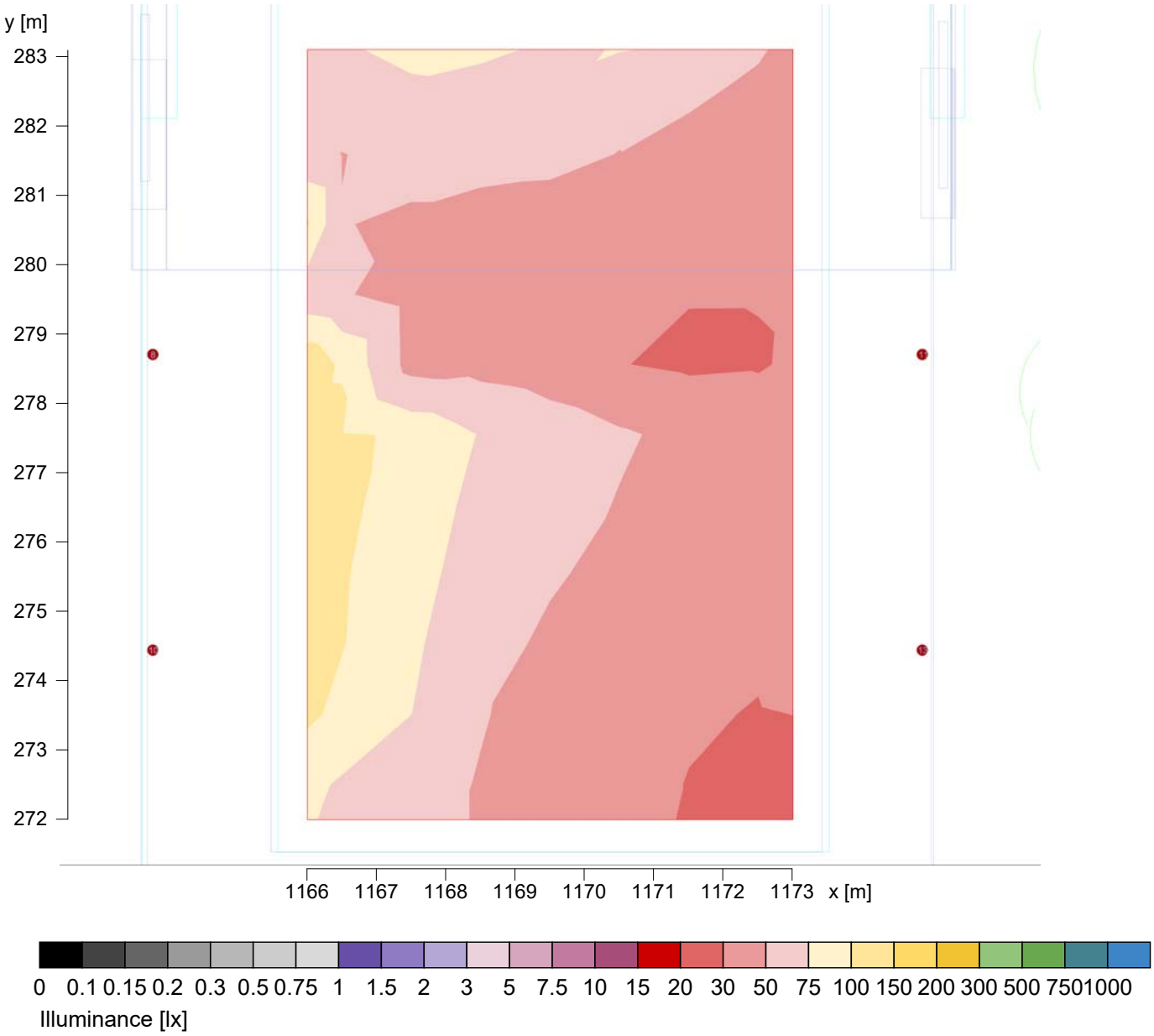


Illuminance [lx]

Height reference plane		: 1.10 m
Average illuminance	$\bar{E}_m$	: 297 lx
Minimum illuminance	E_{min}	: 114 lx
Maximum illuminance	E_{max}	: 388 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.60 (0.38)

2.3 Calculation results, Exterior 1

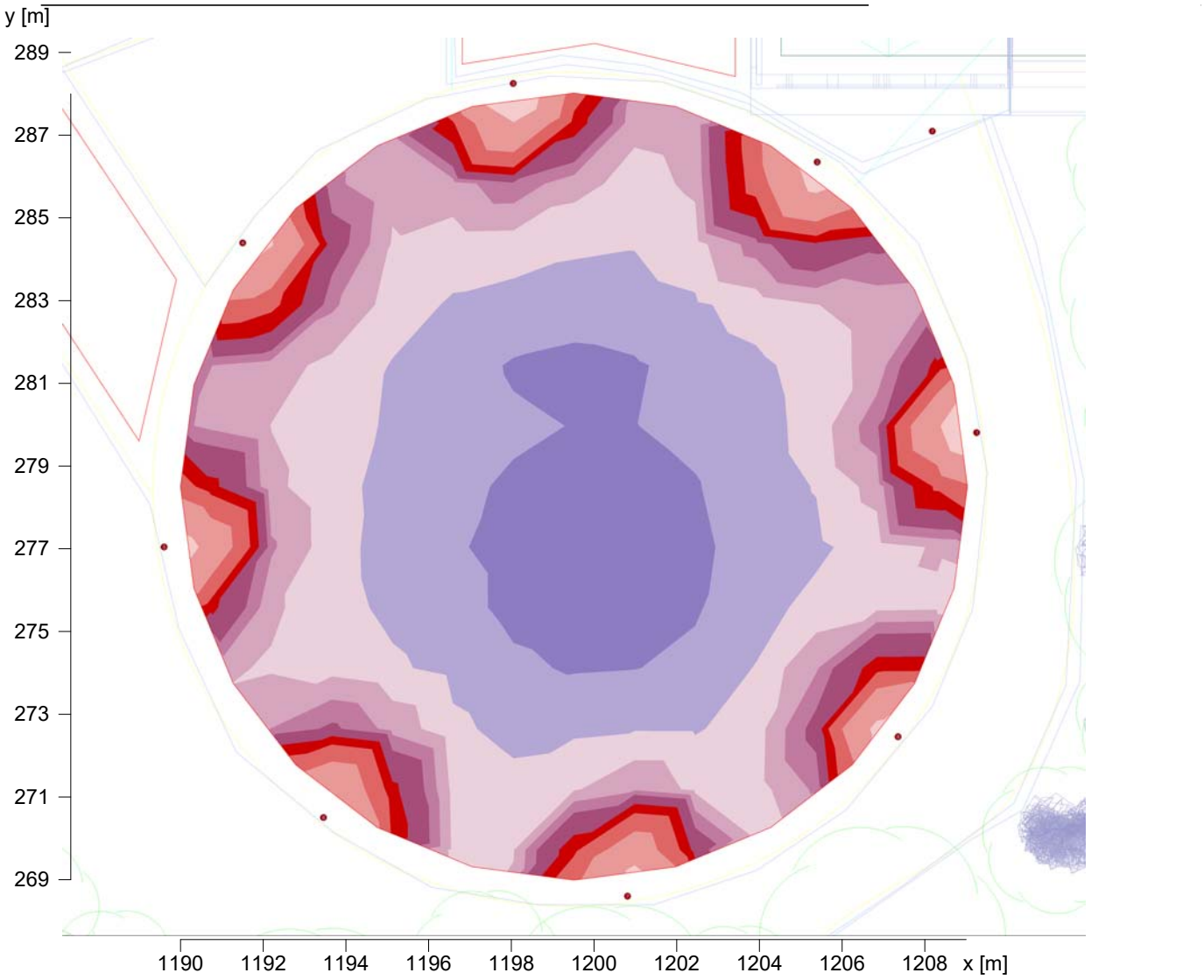
2.3.32 Pseudo colours, Outside (E)

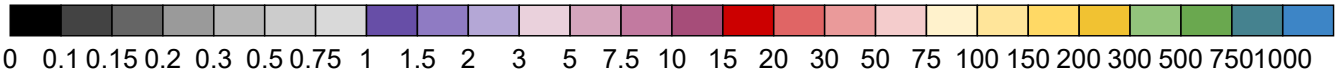


Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 52 lx
Minimum illuminance	E_{min}	: 27 lx
Maximum illuminance	E_{max}	: 107 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.94 (0.52)

2.3 Calculation results, Exterior 1

2.3.33 Pseudo colours, Round Terrace (E)



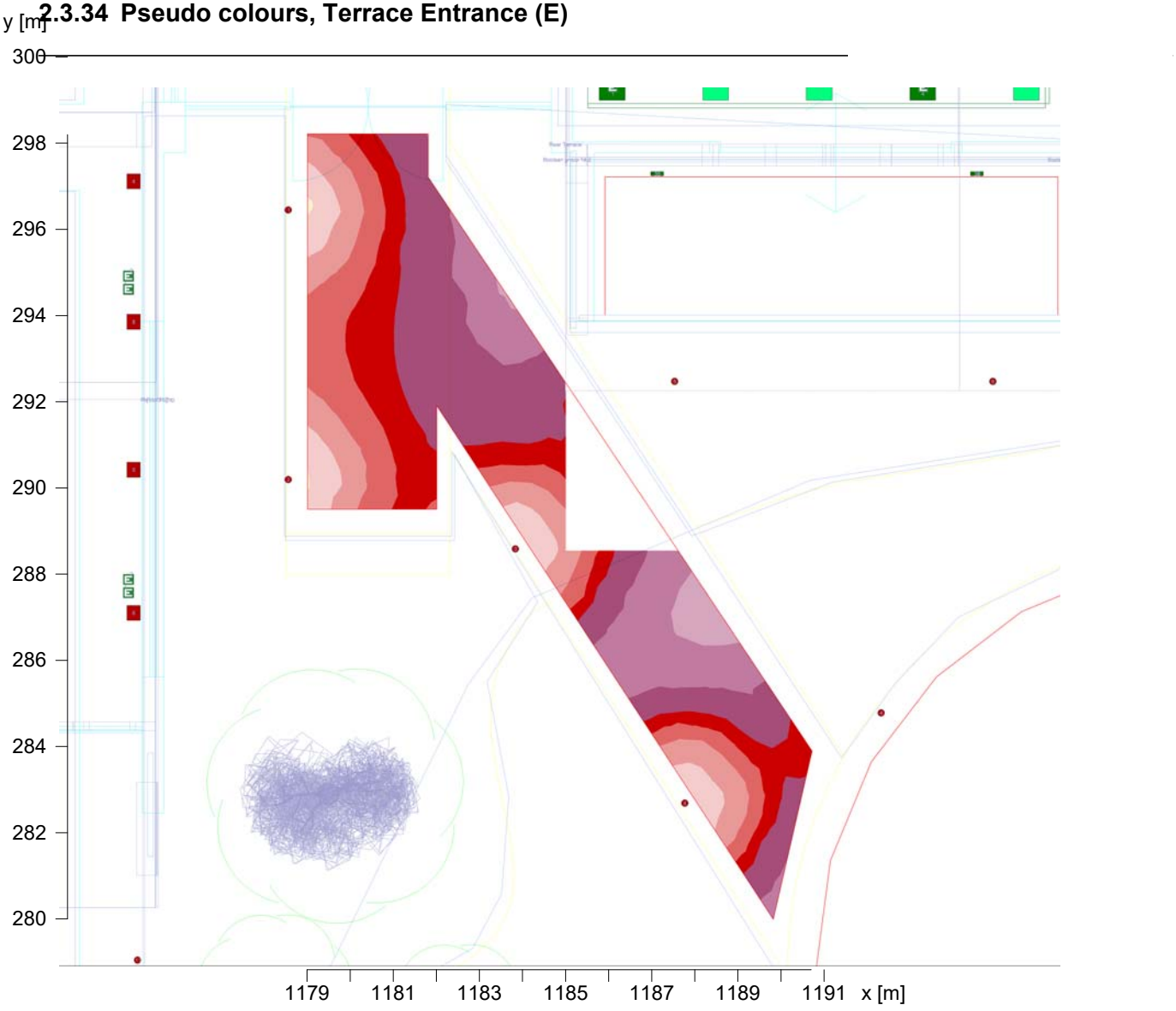


Illuminance [lx]

Height reference plane		: 0.15 m
Average illuminance	$\bar{E}_m$	: 7.97 lx
Minimum illuminance	E_{min}	: 1.74 lx
Maximum illuminance	E_{max}	: 56 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 4.59 (0.22)

2.3 Calculation results, Exterior 1

2.3.34 Pseudo colours, Terrace Entrance (E)



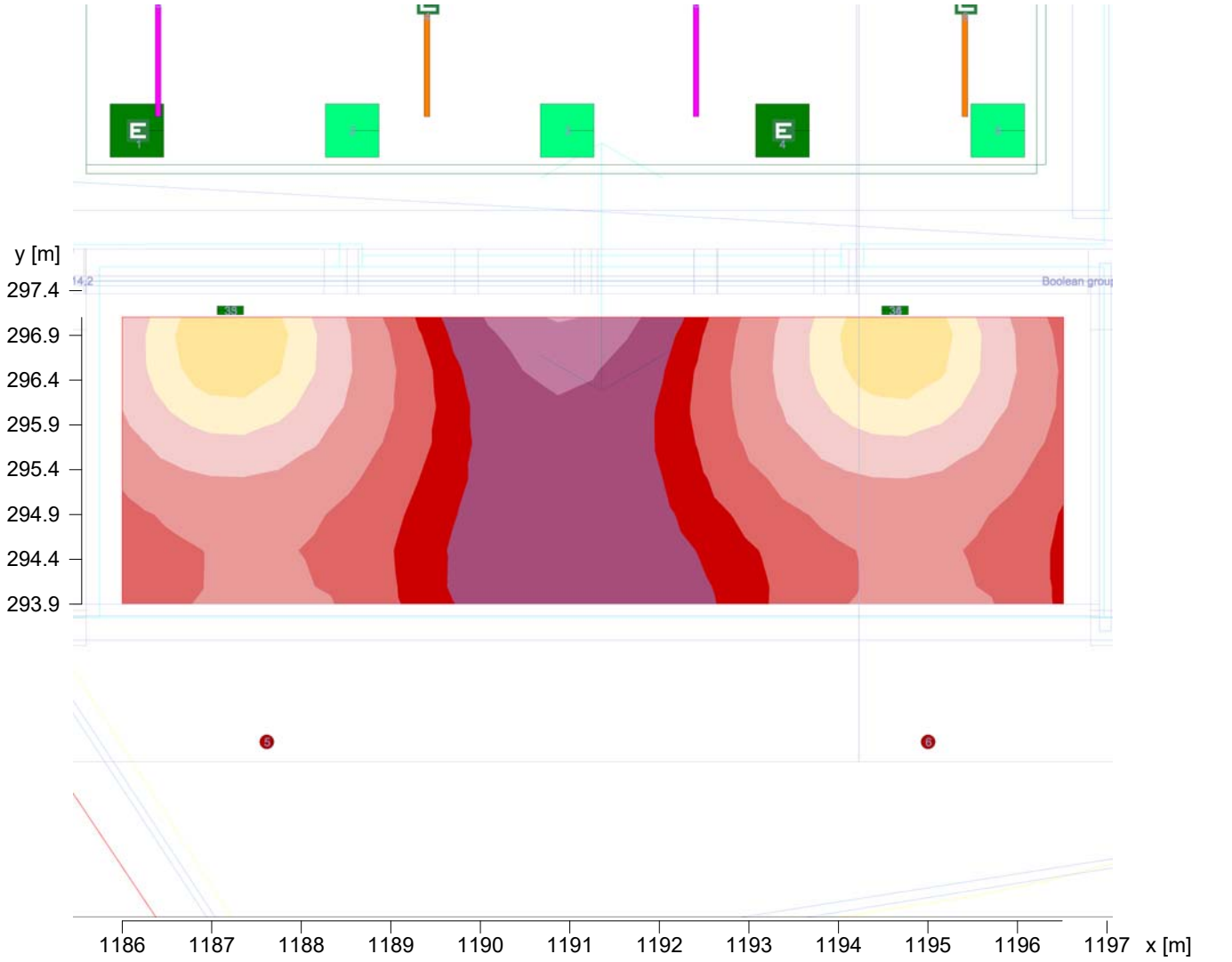


Illuminance [lx]

Height reference plane		: 0.15 m
Average illuminance	$\bar{E}_m$	: 20 lx
Minimum illuminance	E_{min}	: 6.94 lx
Maximum illuminance	E_{max}	: 68 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.92 (0.34)

2.3 Calculation results, Exterior 1

2.3.35 Pseudo colours, GF Terrace (E)

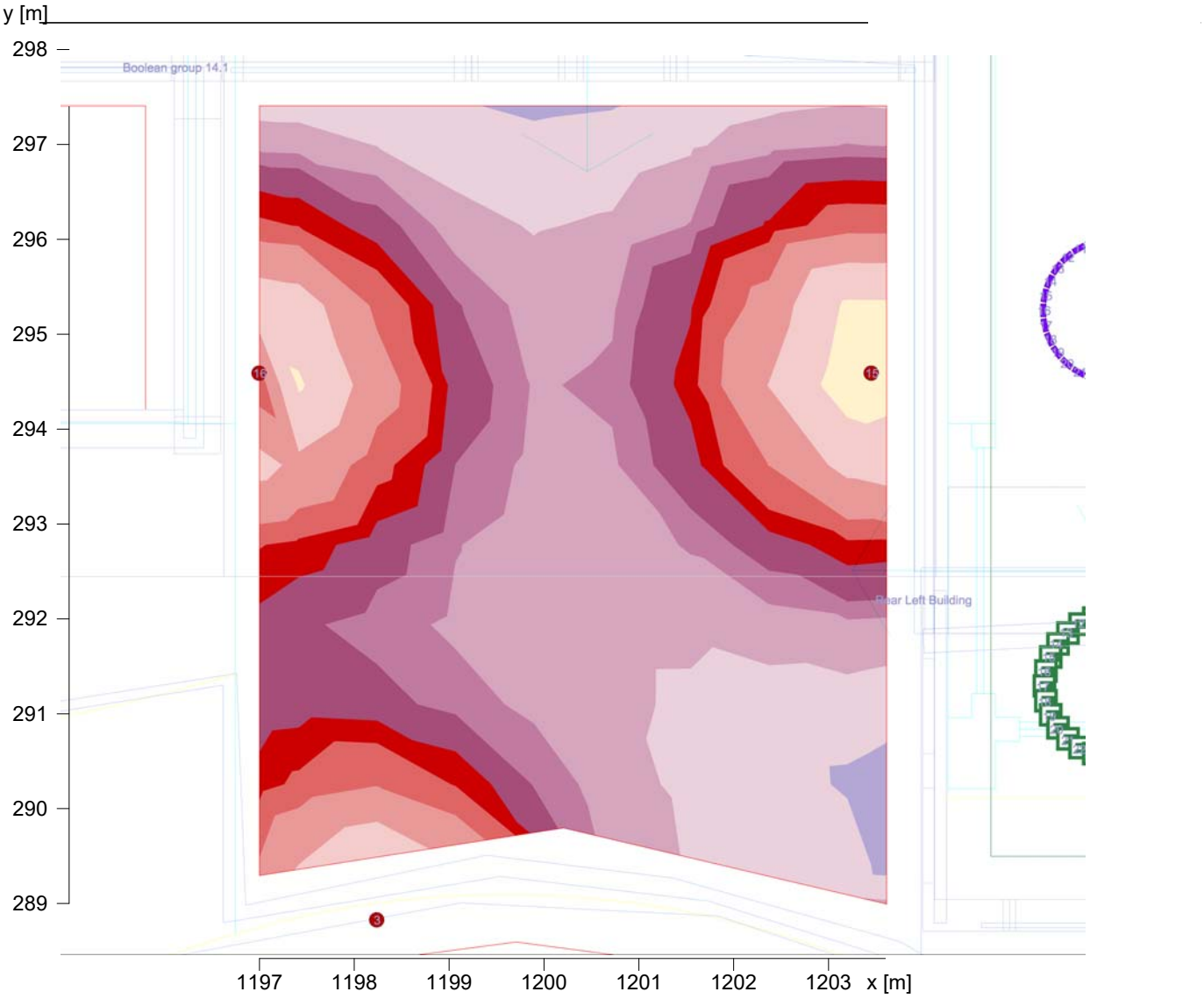




Height reference plane		: 0.15 m
Average illuminance	$\bar{E}_m$	: 38 lx
Minimum illuminance	E_{min}	: 8.01 lx
Maximum illuminance	E_{max}	: 131 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 4.73 (0.21)

2.3 Calculation results, Exterior 1

2.3.36 Pseudo colours, GF Terrace (E)



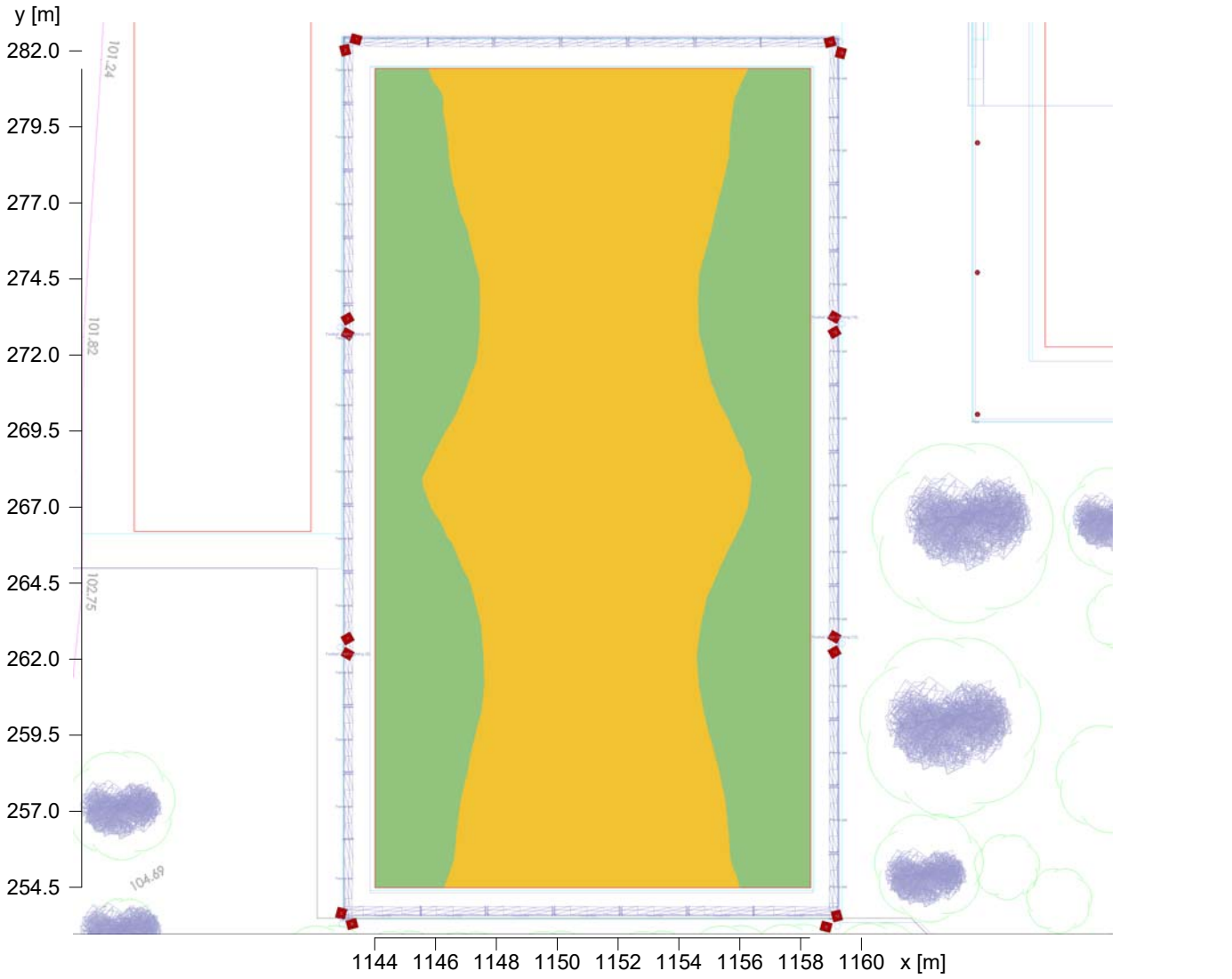


Illuminance [lx]

Height reference plane		: 0.25 m
Average illuminance	$\bar{E}_m$	: 16.3 lx
Minimum illuminance	E_{min}	: 2.69 lx
Maximum illuminance	E_{max}	: 88 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 6.04 (0.17)

2.3 Calculation results, Exterior 1

2.3.37 Pseudo colours, Outdoor Pitch (E)

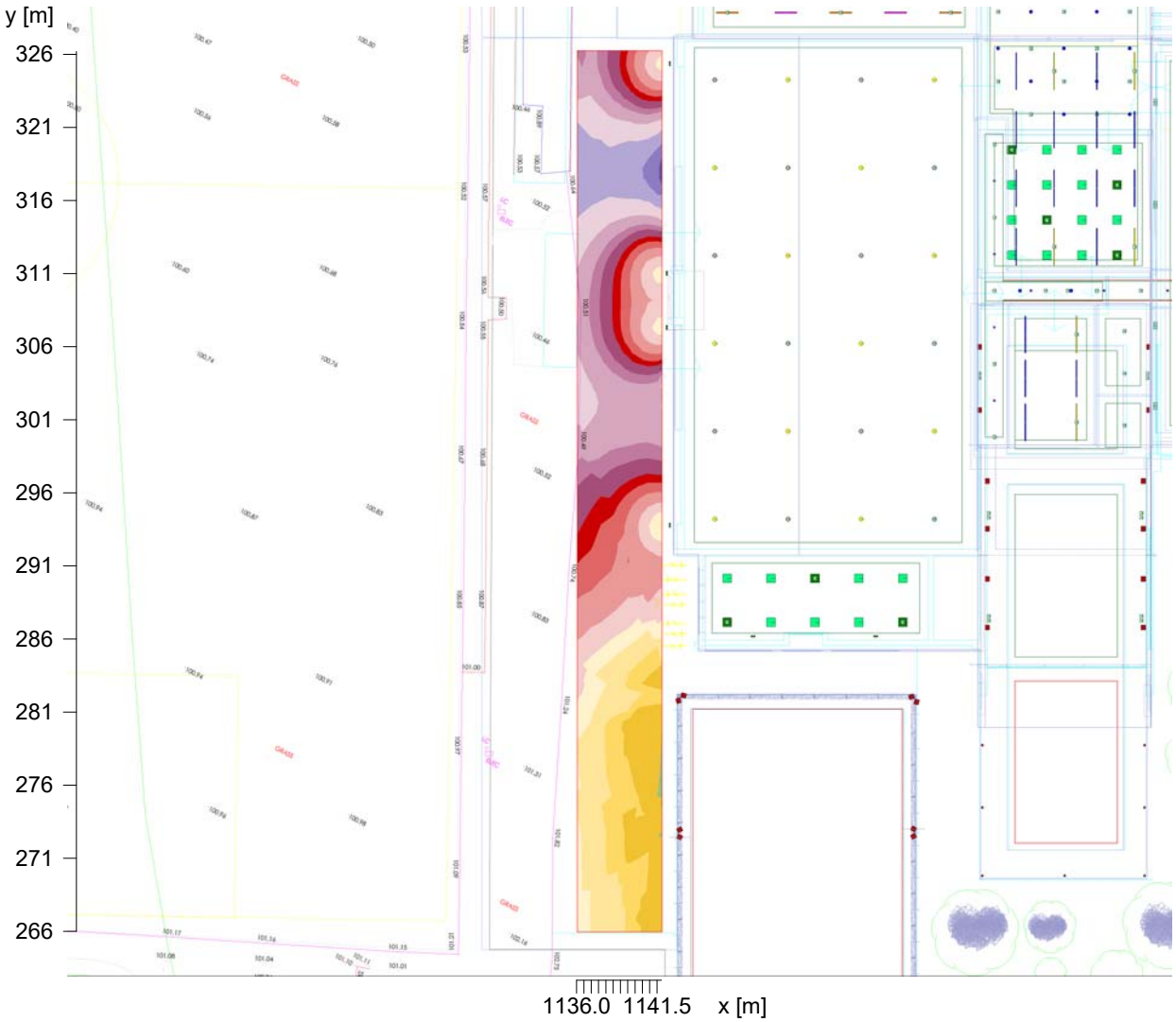


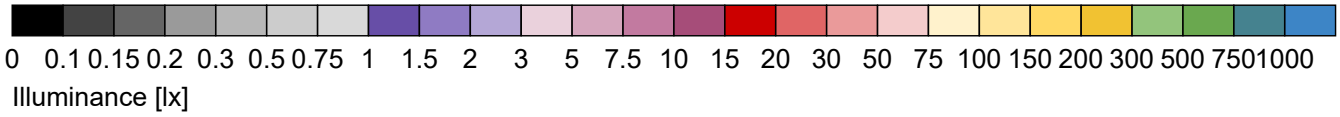


Height reference plane		: 0.15 m
Average illuminance	$\bar{E}_m$	: 292 lx
Minimum illuminance	E_{min}	: 244 lx
Maximum illuminance	E_{max}	: 352 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.20 (0.84)

2.3 Calculation results, Exterior 1

2.3.38 Pseudo colours, Ride Side (E)

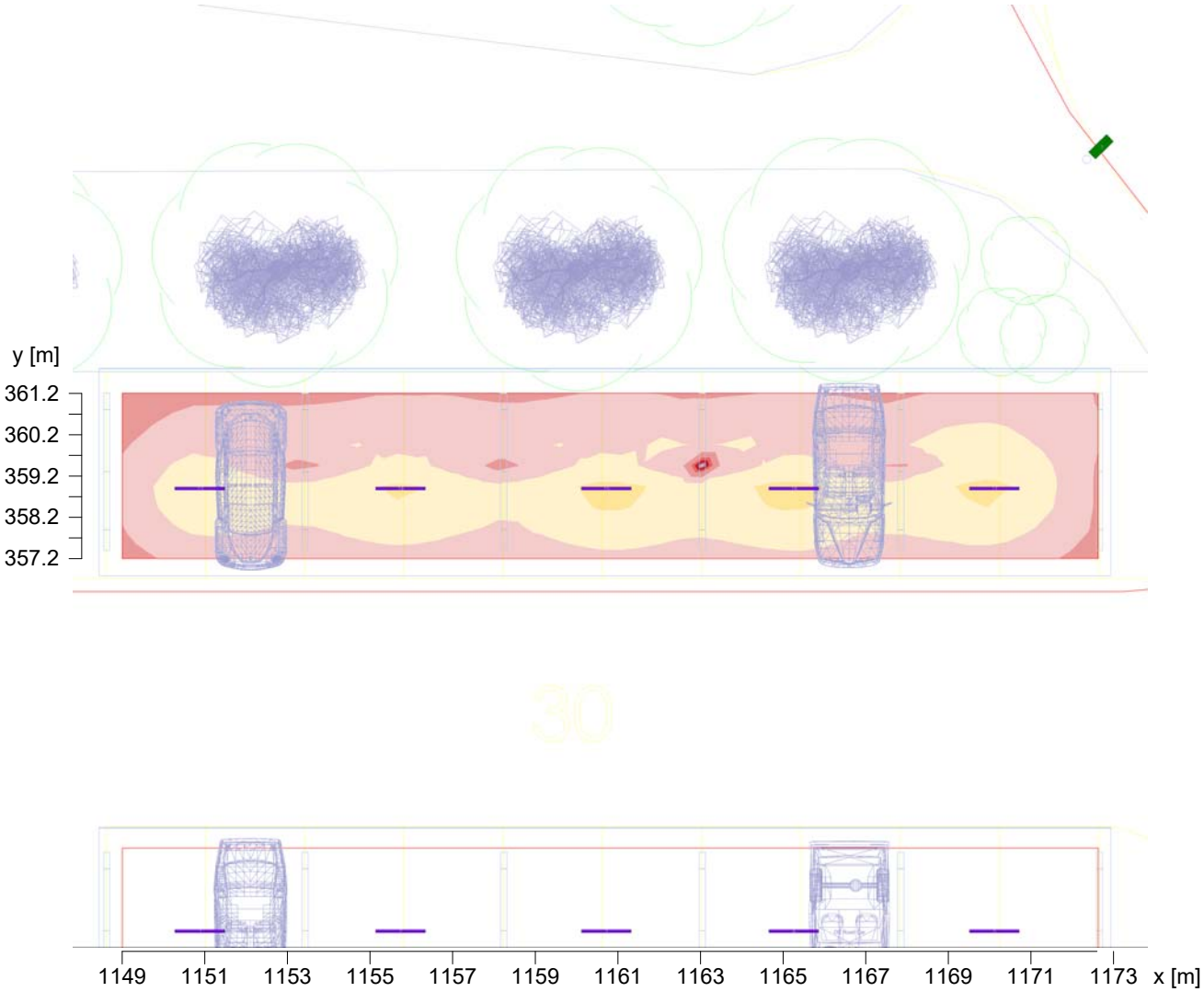




Height reference plane		: 0.19 m
Average illuminance	$\bar{E}_m$	: 67 lx
Minimum illuminance	E_{min}	: 1.56 lx
Maximum illuminance	E_{max}	: 301 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 43.36 (0.02)

2.3 Calculation results, Exterior 1

2.3.39 Pseudo colours, Under Cover Parking (E)

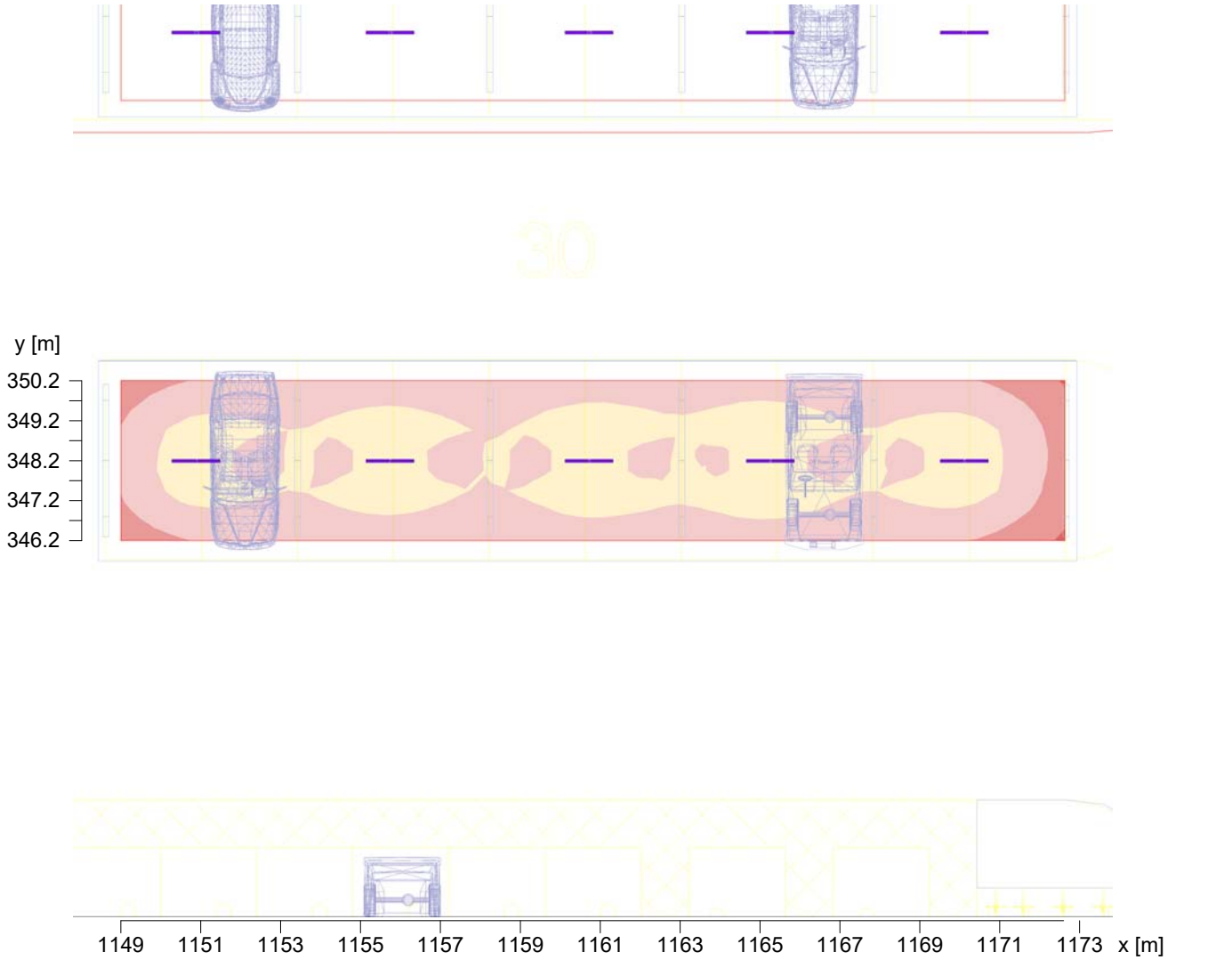




Height reference plane		: 0.13 m
Average illuminance	$\bar{E}_m$	: 73 lx
Minimum illuminance	E_{min}	: 2.65 lx
Maximum illuminance	E_{max}	: 105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 27.54 (0.04)

2.3 Calculation results, Exterior 1

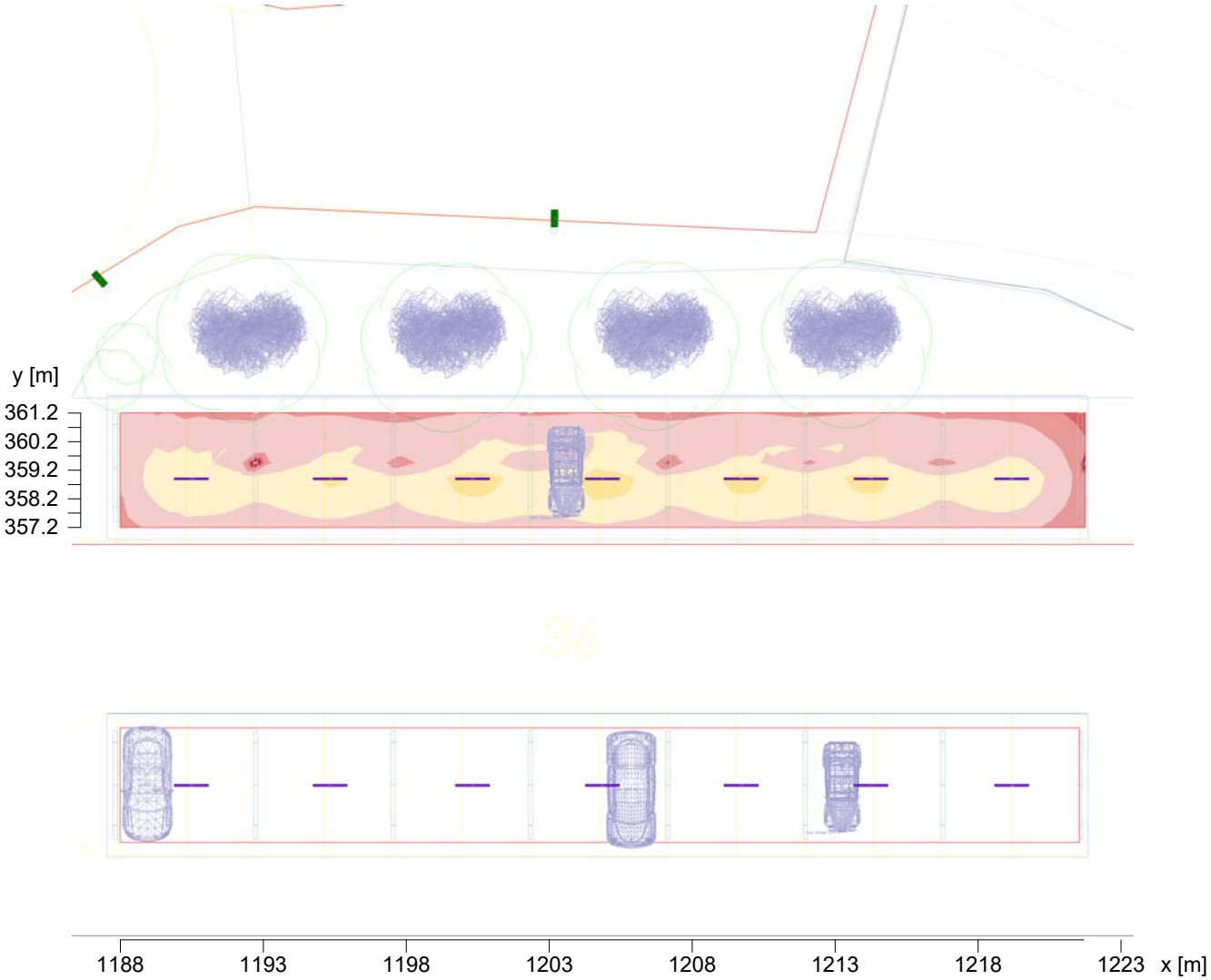
2.3.40 Pseudo colours, Under Cover Parking (E)



Height reference plane		: 0.13 m
Average illuminance	$\bar{E}_m$	: 71 lx
Minimum illuminance	E_{min}	: 33 lx
Maximum illuminance	E_{max}	: 97 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.16 (0.46)

2.3 Calculation results, Exterior 1

2.3.41 Pseudo colours, Under Cover Parking (E)

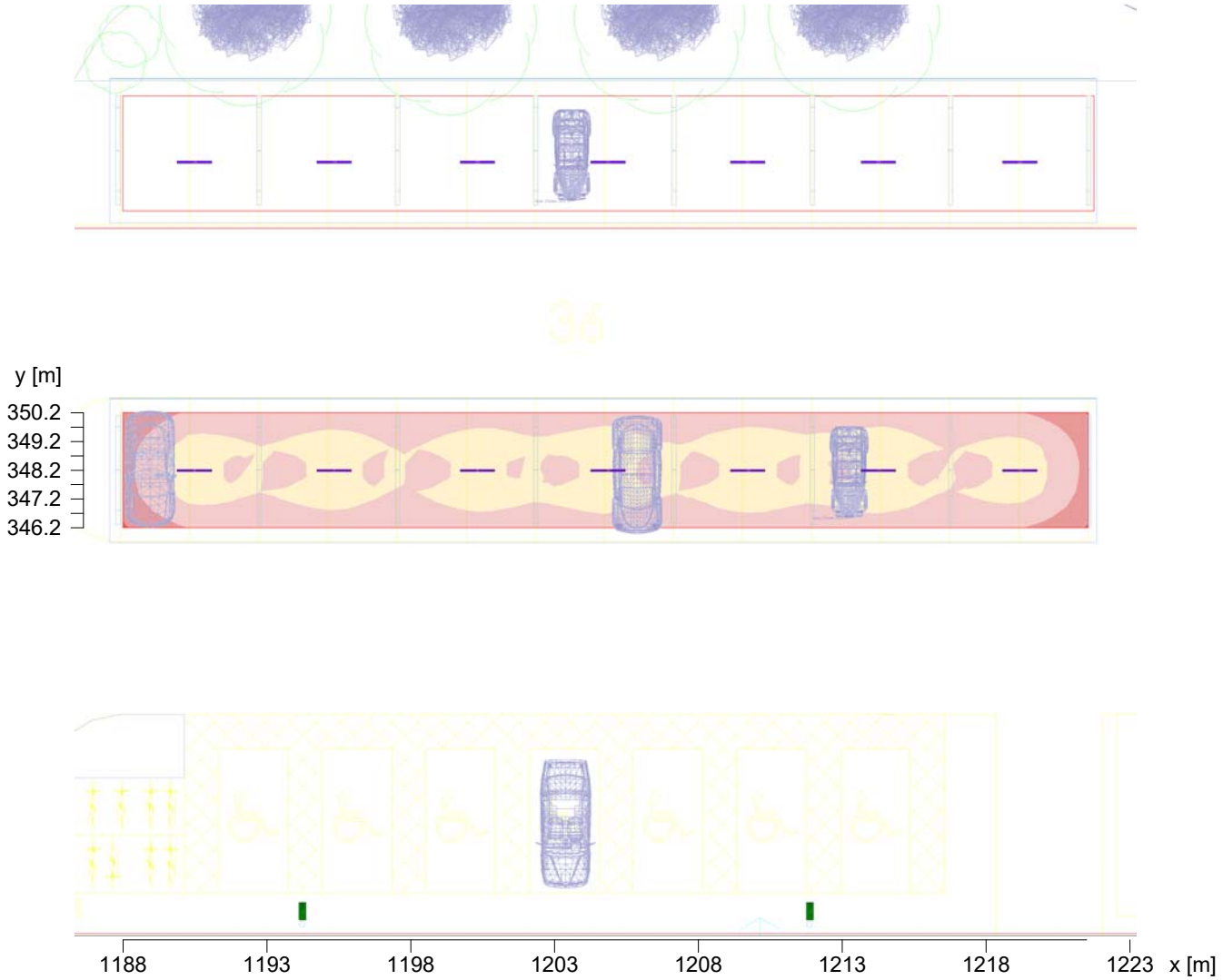




Height reference plane		: 0.13 m
Average illuminance	$\bar{E}_m$	: 73 lx
Minimum illuminance	E_{min}	: 2.42 lx
Maximum illuminance	E_{max}	: 113 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 30.12 (0.03)

2.3 Calculation results, Exterior 1

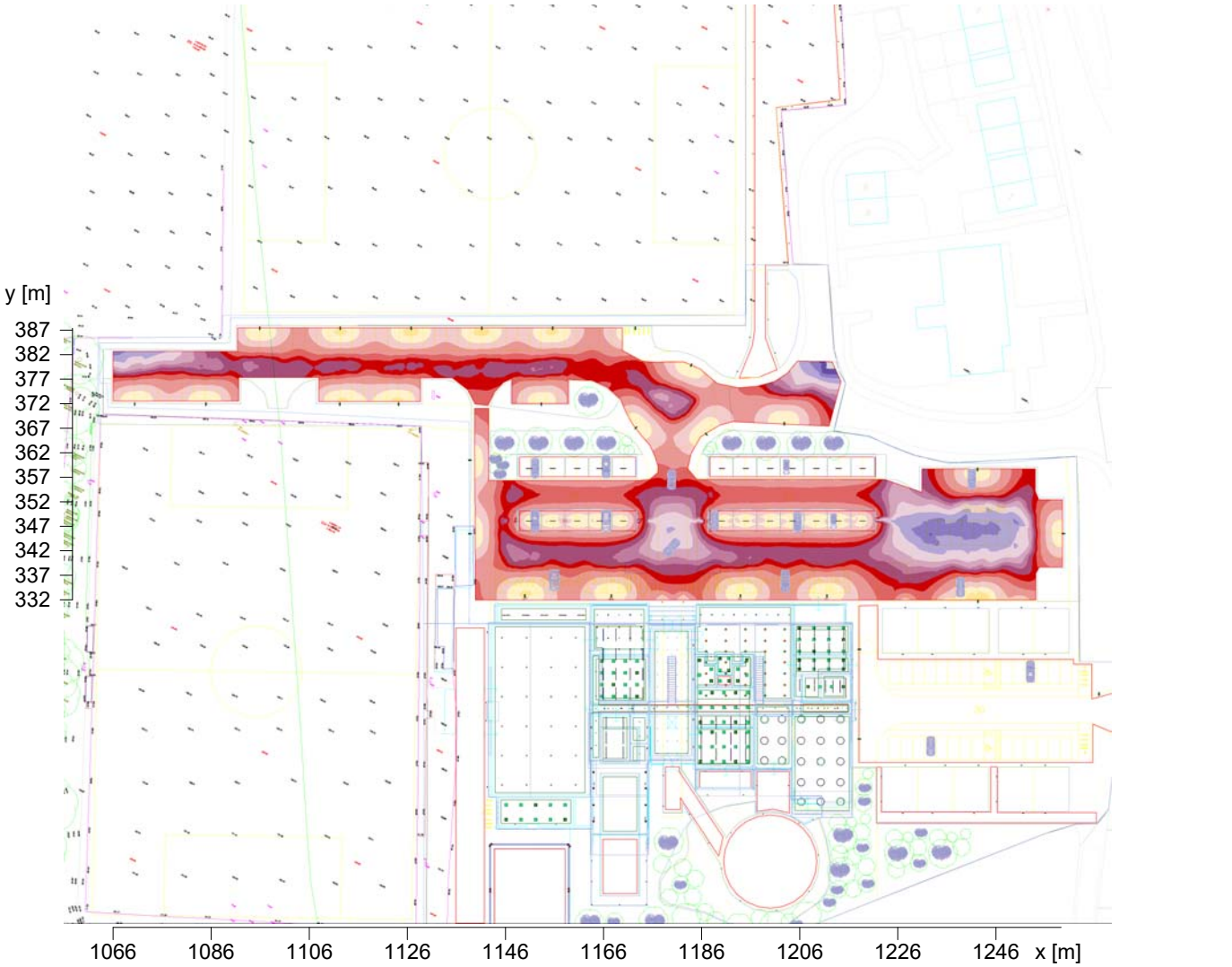
2.3.42 Pseudo colours, Under Cover Parking (E)



Height reference plane		: 0.13 m
Average illuminance	$\bar{E}_m$	: 72 lx
Minimum illuminance	E_{min}	: 33 lx
Maximum illuminance	E_{max}	: 100 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.17 (0.46)

2.3 Calculation results, Exterior 1

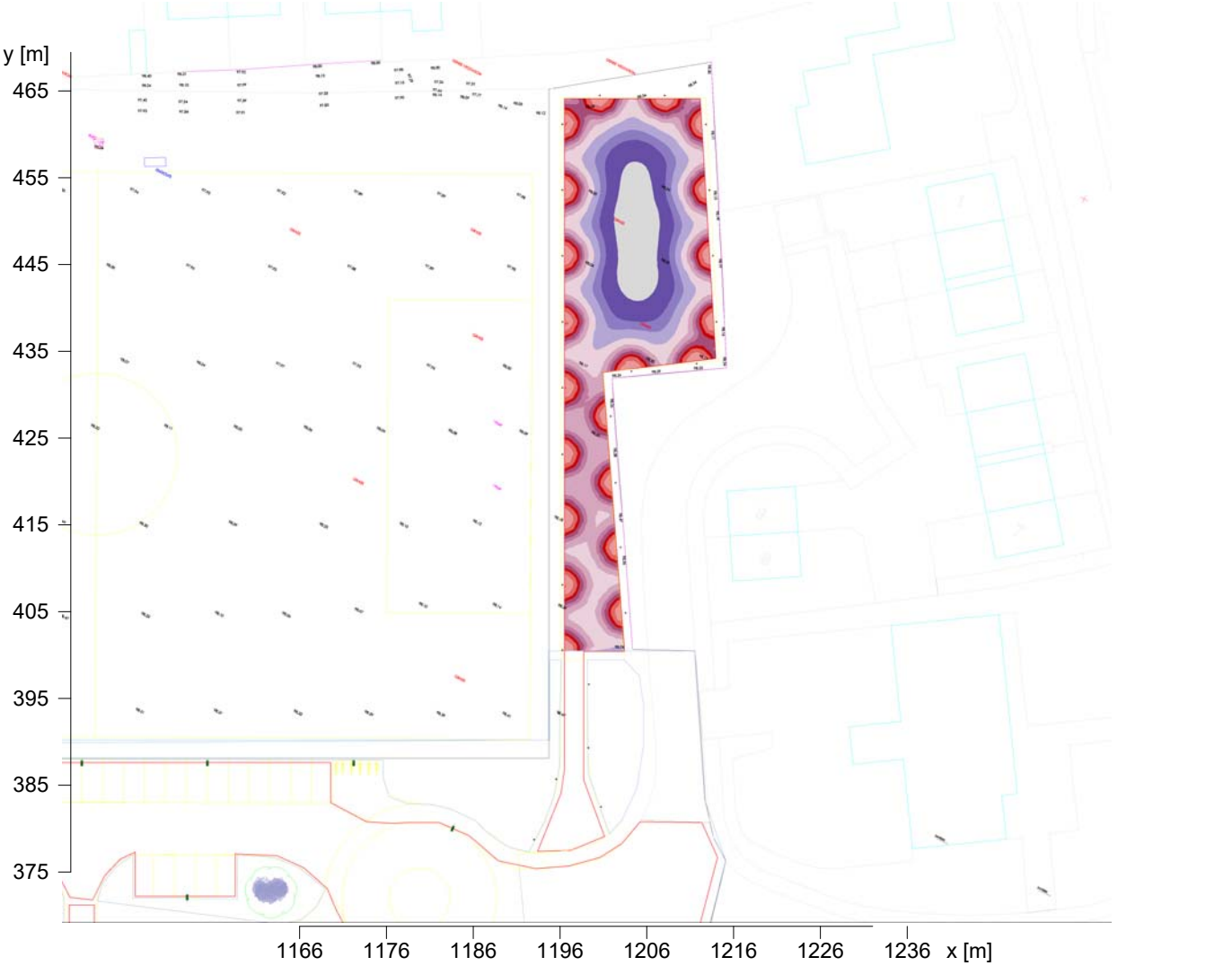
2.3.43 Pseudo colours, Parking Area (E)

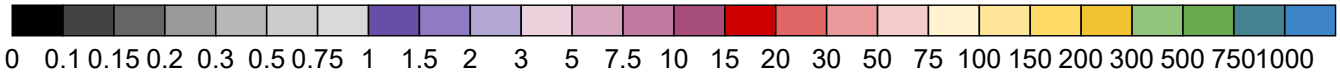


Height reference plane		: 0.13 m
Average illuminance	$\bar{E}_m$	: 34 lx
Minimum illuminance	E_{min}	: 0.84 lx
Maximum illuminance	E_{max}	: 128 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 40.15 (0.02)

2.3 Calculation results, Exterior 1

2.3.44 Pseudo colours, Community Growing Area (E)



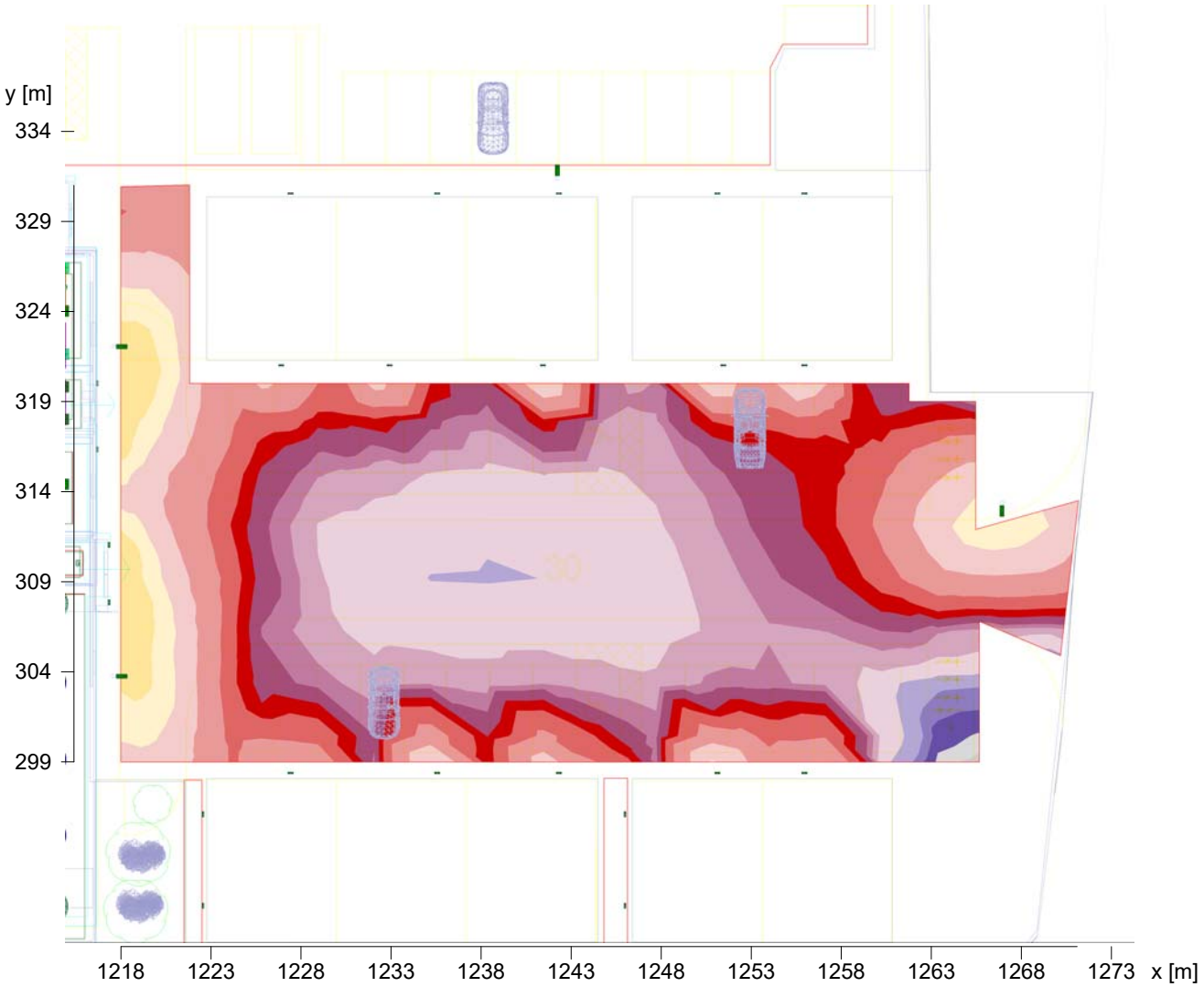


Illuminance [lx]

Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 7.36 lx
Minimum illuminance	E_{min}	: 0.76 lx
Maximum illuminance	E_{max}	: 47 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 9.68 (0.10)

2.3 Calculation results, Exterior 1

2.3.45 Pseudo colours, Unit Parking (E)



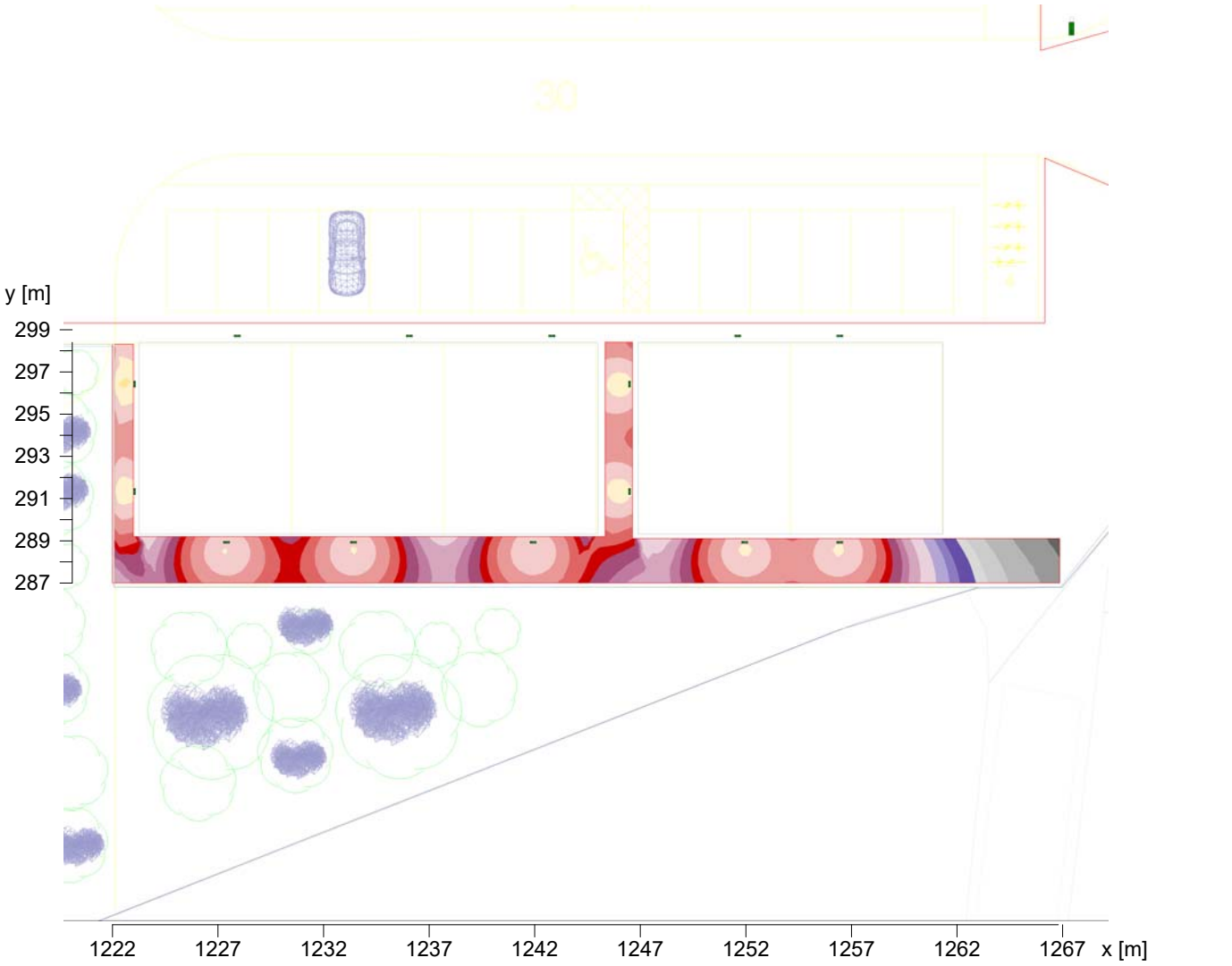


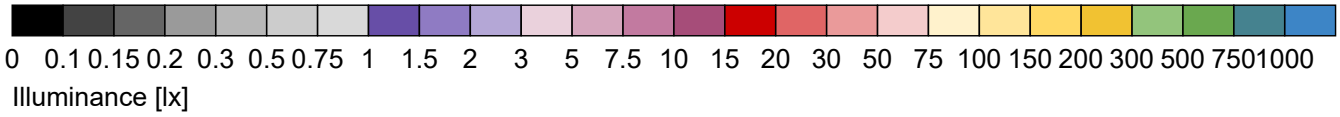
Illuminance [lx]

Height reference plane		: 0.13 m
Average illuminance	$\bar{E}_m$	: 22 lx
Minimum illuminance	E_{min}	: 1.24 lx
Maximum illuminance	E_{max}	: 117 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 18.08 (0.06)

2.3 Calculation results, Exterior 1

2.3.46 Pseudo colours, Unit Lighting Rear (E)

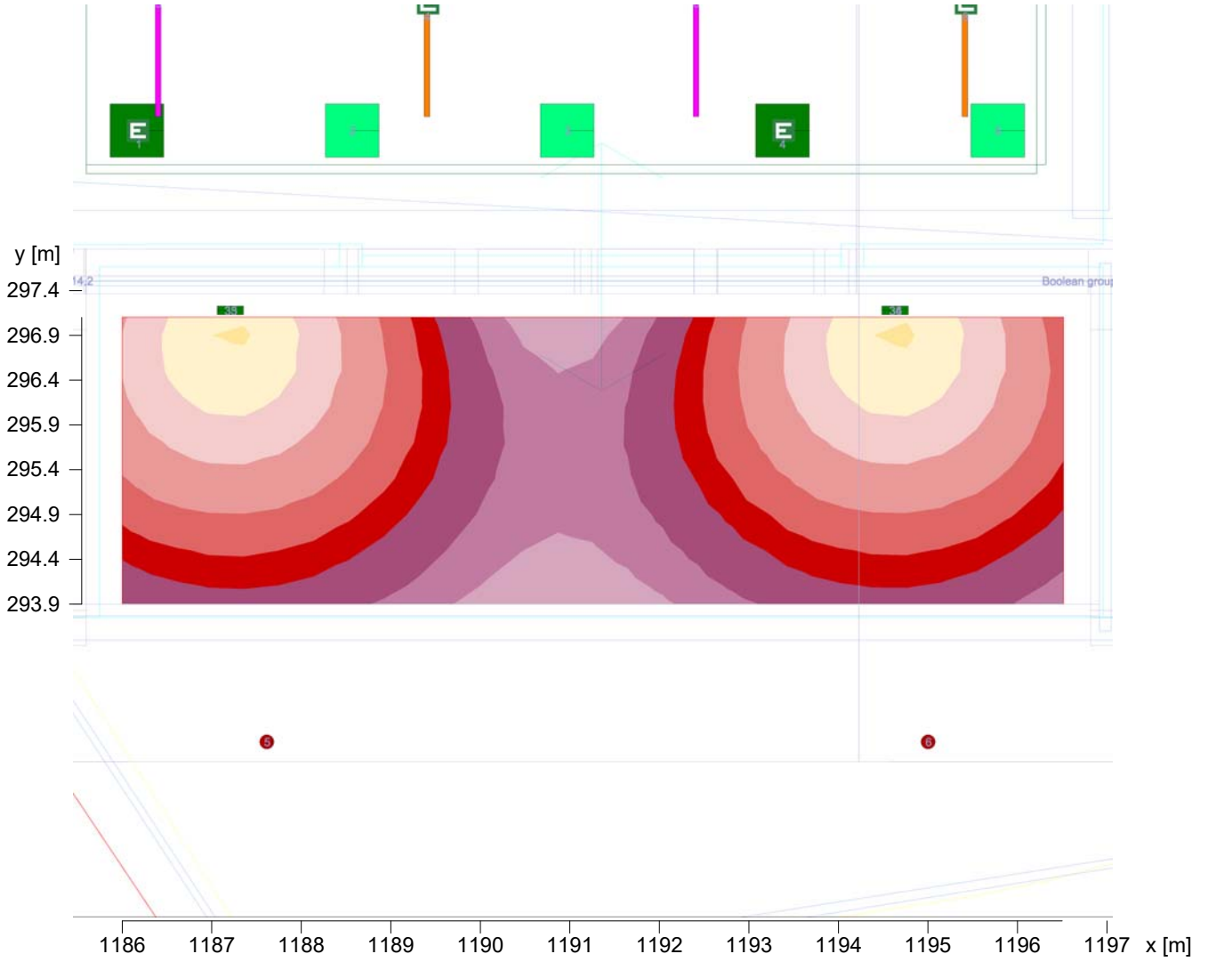




Height reference plane		: 0.07 m
Average illuminance	$\bar{E}_m$	: 32 lx
Minimum illuminance	E_{min}	: 0.18 lx
Maximum illuminance	E_{max}	: 101 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 177.25 (0.01)

2.3 Calculation results, Exterior 1

2.3.47 Pseudo colours, FF Terrace (E)





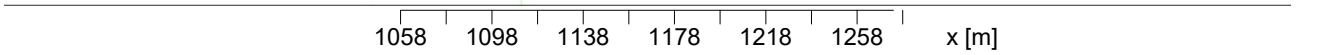
Height reference plane		: 3.38 m
Average illuminance	$\bar{E}_m$	: 31 lx
Minimum illuminance	E_{min}	: 6.48 lx
Maximum illuminance	E_{max}	: 103 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 4.72 (0.21)

2 Exterior 1

2.4 Summary, Exterior 1

2.4.1.1 Result overview (emergency lighting)







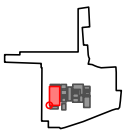
Illuminance [lx]

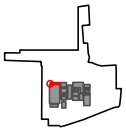
General

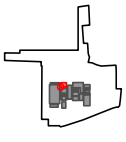
Calculation algorithm used	: Direct component
Emergency norm	: EN 1838:2024
Maintenance factor	: 0.8
Height (phot.centre)	-variable-
Maximum I	: 1200 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
1 Sports Hall			
Calculation field: 18.3m x 33.8m (9 x 15 pts), Height = 0.40m			
1	0.54 lx	6.09 lx	1: 11.24
	>= 0.5 lx		>= 1 : 40
2 Equipment Store			
Calculation field: 17.2m x 2.3m (53 x 7 pts), Height = 0.40m			
2	1.40 lx	9.89 lx	1: 7.08
	>= 0.5 lx		>= 1 : 40
3 Recpetion			
Calculation field: 10.1m x 8.1m (11 x 9 pts), Height = 0.40m			
3	3.43 lx	35.58 lx	1: 10.38
	>= 0.5 lx		>= 1 : 40







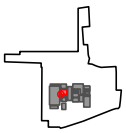
2 Exterior 1

2.4 Summary, Exterior 1

2.4.1.1 Result overview (emergency lighting)

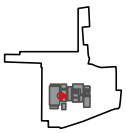
4 Changing Room
Calculation field: 10.1m x 8.4m (11 x 10 pts), Height = 0.40m

4	0.49 lx	9.98 lx	1: 20.48
	>= 0.5 lx		>= 1 : 40



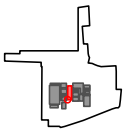
5 Circulation
Calculation field: 8m x 1.3m (37 x 6 pts), Height = 0.40m

5	11.94 lx	30.94 lx	1: 2.59
	>= 0.5 lx		>= 1 : 40



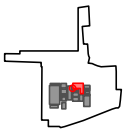
6 Atrium
Calculation field: 6.8m x 24.9m (9 x 33 pts), Height = 0.40m

6	1.02 lx	22.03 lx	1: 21.61
	>= 0.5 lx		>= 1 : 40



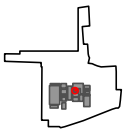
7 Cafe
Calculation field: 18.9m x 18.6m (13 x 13 pts), Height = 0.40m

7	0.59 lx	53.50 lx	1: 91.11
	>= 0.5 lx		>= 1 : 40



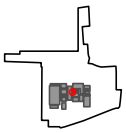
8 First Aid
Calculation field: 2.3m x 3.1m (6 x 8 pts), Height = 0.40m

8	6.39 lx	11.95 lx	1: 1.87
	>= 0.5 lx		>= 1 : 40



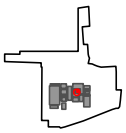
9 WC
Calculation field: 3.5m x 5.7m (6 x 9 pts), Height = 0.40m

9	1.57 lx	9.60 lx	1: 6.12
	>= 0.5 lx		>= 1 : 40



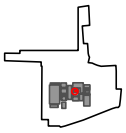
10 WC
Calculation field: 3.5m x 5.5m (6 x 9 pts), Height = 0.40m

10	1.68 lx	9.73 lx	1: 5.78
	>= 0.5 lx		>= 1 : 40



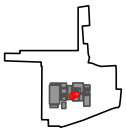
11 Tuck Shop
Calculation field: 2.5m x 1.7m (7 x 5 pts), Height = 0.40m

11	3.32 lx	9.24 lx	1: 2.79
	>= 0.5 lx		>= 1 : 40



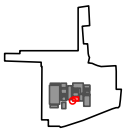
12 Youth Club Messy
Calculation field: 10.6m x 7m (11 x 8 pts), Height = 0.40m

12	1.73 lx	9.93 lx	1: 5.73
	>= 0.5 lx		>= 1 : 40



13 Youth Club Clean
Calculation field: 10.6m x 7m (11 x 8 pts), Height = 0.40m

13	1.48 lx	9.93 lx	1: 6.72
	>= 0.5 lx		>= 1 : 40



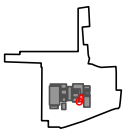
2 Exterior 1

2.4 Summary, Exterior 1

2.4.1.1 Result overview (emergency lighting)

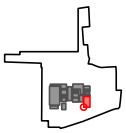
14 Function 2 50P
Calculation field: 6.4m x 11.6m (7 x 11 pts), Height = 0.40m

14	0.61 lx	7.59 lx	1: 12.45
	>= 0.5 lx		>= 1 : 40



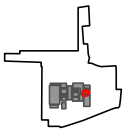
15 Function 1 150P
Calculation field: 11.1m x 19.1m (8 x 13 pts), Height = 0.40m

15	0.41 lx	14.10 lx	1: 34.13
	>= 0.5 lx		>= 1 : 40



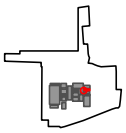
17 Stage Store
Calculation field: 8.24m x 4m (17 x 8 pts), Height = 0.40m

16	1.13 lx	9.42 lx	1: 8.34
	>= 0.5 lx		>= 1 : 40



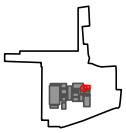
18 Kitchen
Calculation field: 10.6m x 2.7m (28 x 7 pts), Height = 0.40m

17	1.17 lx	21.02 lx	1: 17.93
	>= 0.5 lx		>= 1 : 40



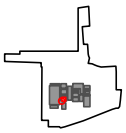
19 Dial-a-Ride Facility
Calculation field: 10.6m x 5.3m (18 x 9 pts), Height = 0.40m

18	0.69 lx	13.33 lx	1: 19.41
	>= 0.5 lx		>= 1 : 40



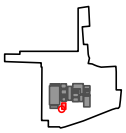
34 Training Pool
Calculation field: 7m x 6.7m (9 x 9 pts), Height = 0.40m

19	2.09 lx	43.36 lx	1: 20.72
	>= 0.5 lx		>= 1 : 40



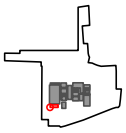
35 Inside Pool
Calculation field: 7m x 11.09m (7 x 11 pts), Height = 0.67m

20	3.23 lx	52.80 lx	1: 16.32
	>= 0.5 lx		>= 1 : 40



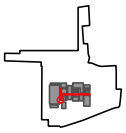
20 Football Changing
Calculation field: 14.2m x 4.8m (27 x 9 pts), Height = 0.40m

21	0.70 lx	10.87 lx	1: 15.52
	>= 0.5 lx		>= 1 : 40



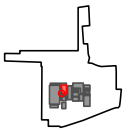
21 1st Floor Walkway
Calculation field: 20.7m x 52.13m (50 x 126 pts), Height = 4.00m

22	1.70 lx	85.18 lx	1: 50.15
	>= 0.5 lx		>= 1 : 40



22 1st Floor Gym
Calculation field: 9.8m x 14.6m (9 x 12 pts), Height = 4.00m

23	0.74 lx	6.55 lx	1: 8.85
	>= 0.5 lx		>= 1 : 40



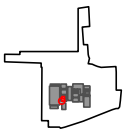
2 Exterior 1

2.4 Summary, Exterior 1

2.4.1.1 Result overview (emergency lighting)

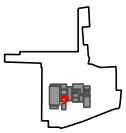
23 1st Floor Well Being Studio
Calculation field: 4.9m x 8.3m (6 x 10 pts), Height = 4.00m

24	1.12 lx	6.36 lx	1: 5.66
	>= 0.5 lx		>= 1 : 40



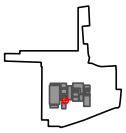
24 1st Floor WC
Calculation field: 2.4m x 4.6m (5 x 8 pts), Height = 4.00m

25	8.06 lx	30.43 lx	1: 3.78
	>= 0.5 lx		>= 1 : 40



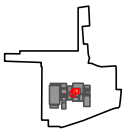
25 1st Floor Store
Calculation field: 2.4m x 3m (6 x 7 pts), Height = 4.00m

26	4.88 lx	29.00 lx	1: 5.94
	>= 0.5 lx		>= 1 : 40



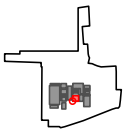
26 1st Floor Library / Soft Play
Calculation field: 10.7m x 8.6m (11 x 9 pts), Height = 4.00m

27	0.98 lx	31.51 lx	1: 32.26
	>= 0.5 lx		>= 1 : 40



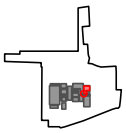
27 1st Floor Meeting Room
Calculation field: 10.7m x 9.7m (11 x 10 pts), Height = 4.00m

28	0.86 lx	9.34 lx	1: 10.82
	>= 0.5 lx		>= 1 : 40



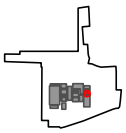
28 1st Floor Space top Let
Calculation field: 10.2m x 13.66m (9 x 11 pts), Height = 4.00m

29	0.48 lx	23.80 lx	1: 49.76
	>= 0.5 lx		>= 1 : 40



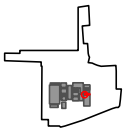
29 1st Floor Music Studio
Calculation field: 4m x 4m (8 x 8 pts), Height = 4.00m

30	1.34 lx	23.52 lx	1: 17.54
	>= 0.5 lx		>= 1 : 40



36 Stage
Calculation field: 9.14m x 1.72m (32 x 6 pts), Height = 1.10m

31	4.33 lx	51.17 lx	1: 11.82
	>= 0.5 lx		>= 1 : 40



Type No.\Make

Cosmic Lighting
2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)
Maintenance factor: 0.80

2 Exterior 1

2.4 Summary, Exterior 1

2.4.1.1 Result overview (emergency lighting)

4 12E x
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)
Maintenance factor: 0.80

6 3E x
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)
Maintenance factor: 0.80

8 31E x
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)
Maintenance factor: 0.80

10 21E x
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)
Maintenance factor: 0.80

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)
Maintenance factor: 0.80

16 19E x
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)
Maintenance factor: 0.80

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)
Maintenance factor: 0.80

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)
Maintenance factor: 0.80

27 210E x
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)
Maintenance factor: 0.80

2 Exterior 1

2.4 Summary, Exterior 1

2.4.1.1 Result overview (emergency lighting)

SYNERGY CLL

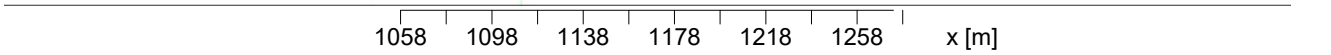
21 28E x

Order No. : TPZ_NM_2x6W_MT -- Emergency Lighting --
Luminaire name : Topaz LED Twin Spot (Single Head)
Equipment : 1 x LED 3.5 W / 381.5 lm (0%)
Emergency : 381.5 lm
Maintenance factor: 0.80

2.4 Summary, Exterior 1

2.4.1.2 Result overview (emergency lighting)





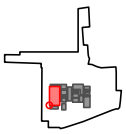
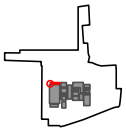
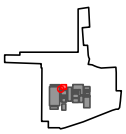


Illuminance [lx]

General

Calculation algorithm used	: Direct component
Emergency norm	: EN 1838:2024
Maintenance factor	: 0.8
Height (phot.centre)	-variable-
Maximum I	: 1200 cd

Anti panic area:

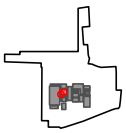
No.	Emin [lx]	Surface Emax [lx]	Ud	
1 Sports Hall				
Calculation field: 18.3m x 33.8m (9 x 15 pts), Height = 0.40m				
1	0.54 lx	6.09 lx	1: 11.24	
	>= 0.5 lx		>= 1 : 40	
2 Equipment Store				
Calculation field: 17.2m x 2.3m (53 x 7 pts), Height = 0.40m				
2	1.40 lx	9.89 lx	1: 7.08	
	>= 0.5 lx		>= 1 : 40	
3 Recpetion				
Calculation field: 10.1m x 8.1m (11 x 9 pts), Height = 0.40m				
3	3.43 lx	35.58 lx	1: 10.38	
	>= 0.5 lx		>= 1 : 40	

2.4 Summary, Exterior 1

2.4.1.2 Result overview (emergency lighting)

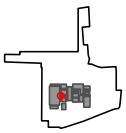
4 Changing Room
Calculation field: 10.1m x 8.4m (11 x 10 pts), Height = 0.40m

4	0.49 lx	9.98 lx	1: 20.48
	>= 0.5 lx		>= 1 : 40



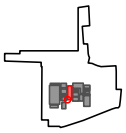
5 Circulation
Calculation field: 8m x 1.3m (37 x 6 pts), Height = 0.40m

5	11.94 lx	30.94 lx	1: 2.59
	>= 0.5 lx		>= 1 : 40



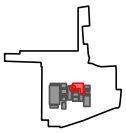
6 Atrium
Calculation field: 6.8m x 24.9m (9 x 33 pts), Height = 0.40m

6	1.02 lx	22.03 lx	1: 21.61
	>= 0.5 lx		>= 1 : 40



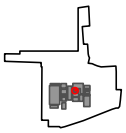
7 Cafe
Calculation field: 18.9m x 18.6m (13 x 13 pts), Height = 0.40m

7	0.59 lx	53.50 lx	1: 91.11
	>= 0.5 lx		>= 1 : 40



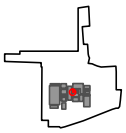
8 First Aid
Calculation field: 2.3m x 3.1m (6 x 8 pts), Height = 0.40m

8	6.39 lx	11.95 lx	1: 1.87
	>= 0.5 lx		>= 1 : 40



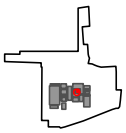
9 WC
Calculation field: 3.5m x 5.7m (6 x 9 pts), Height = 0.40m

9	1.57 lx	9.60 lx	1: 6.12
	>= 0.5 lx		>= 1 : 40



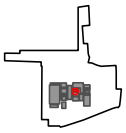
10 WC
Calculation field: 3.5m x 5.5m (6 x 9 pts), Height = 0.40m

10	1.68 lx	9.73 lx	1: 5.78
	>= 0.5 lx		>= 1 : 40



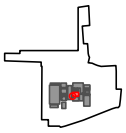
11 Tuck Shop
Calculation field: 2.5m x 1.7m (7 x 5 pts), Height = 0.40m

11	3.32 lx	9.24 lx	1: 2.79
	>= 0.5 lx		>= 1 : 40



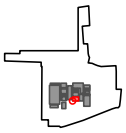
12 Youth Club Messy
Calculation field: 10.6m x 7m (11 x 8 pts), Height = 0.40m

12	1.73 lx	9.93 lx	1: 5.73
	>= 0.5 lx		>= 1 : 40



13 Youth Club Clean
Calculation field: 10.6m x 7m (11 x 8 pts), Height = 0.40m

13	1.48 lx	9.93 lx	1: 6.72
	>= 0.5 lx		>= 1 : 40

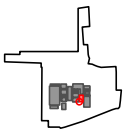


2.4 Summary, Exterior 1

2.4.1.2 Result overview (emergency lighting)

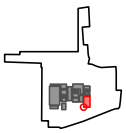
14 Function 2 50P
Calculation field: 6.4m x 11.6m (7 x 11 pts), Height = 0.40m

14	0.61 lx	7.59 lx	1: 12.45
	>= 0.5 lx		>= 1 : 40



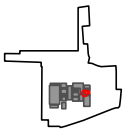
15 Function 1 150P
Calculation field: 11.1m x 19.1m (8 x 13 pts), Height = 0.40m

15	0.41 lx	14.10 lx	1: 34.13
	>= 0.5 lx		>= 1 : 40



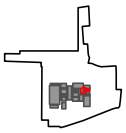
17 Stage Store
Calculation field: 8.24m x 4m (17 x 8 pts), Height = 0.40m

16	1.13 lx	9.42 lx	1: 8.34
	>= 0.5 lx		>= 1 : 40



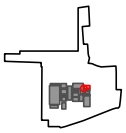
18 Kitchen
Calculation field: 10.6m x 2.7m (28 x 7 pts), Height = 0.40m

17	1.17 lx	21.02 lx	1: 17.93
	>= 0.5 lx		>= 1 : 40



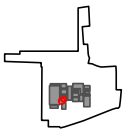
19 Dial-a-Ride Facility
Calculation field: 10.6m x 5.3m (18 x 9 pts), Height = 0.40m

18	0.69 lx	13.33 lx	1: 19.41
	>= 0.5 lx		>= 1 : 40



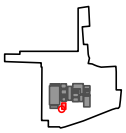
34 Training Pool
Calculation field: 7m x 6.7m (9 x 9 pts), Height = 0.40m

19	2.09 lx	43.36 lx	1: 20.72
	>= 0.5 lx		>= 1 : 40



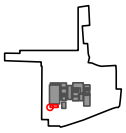
35 Inside Pool
Calculation field: 7m x 11.09m (7 x 11 pts), Height = 0.67m

20	3.23 lx	52.80 lx	1: 16.32
	>= 0.5 lx		>= 1 : 40



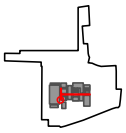
20 Football Changing
Calculation field: 14.2m x 4.8m (27 x 9 pts), Height = 0.40m

21	0.70 lx	10.87 lx	1: 15.52
	>= 0.5 lx		>= 1 : 40



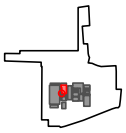
21 1st Floor Walkway
Calculation field: 20.7m x 52.13m (50 x 126 pts), Height = 4.00m

22	1.70 lx	85.18 lx	1: 50.15
	>= 0.5 lx		>= 1 : 40



22 1st Floor Gym
Calculation field: 9.8m x 14.6m (9 x 12 pts), Height = 4.00m

23	0.74 lx	6.55 lx	1: 8.85
	>= 0.5 lx		>= 1 : 40

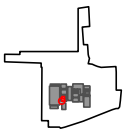


2.4 Summary, Exterior 1

2.4.1.2 Result overview (emergency lighting)

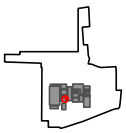
23 1st Floor Well Being Studio
Calculation field: 4.9m x 8.3m (6 x 10 pts), Height = 4.00m

24	1.12 lx	6.36 lx	1: 5.66
	>= 0.5 lx		>= 1 : 40



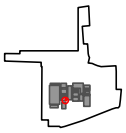
24 1st Floor WC
Calculation field: 2.4m x 4.6m (5 x 8 pts), Height = 4.00m

25	8.06 lx	30.43 lx	1: 3.78
	>= 0.5 lx		>= 1 : 40



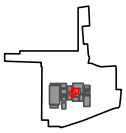
25 1st Floor Store
Calculation field: 2.4m x 3m (6 x 7 pts), Height = 4.00m

26	4.88 lx	29.00 lx	1: 5.94
	>= 0.5 lx		>= 1 : 40



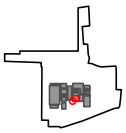
26 1st Floor Library / Soft Play
Calculation field: 10.7m x 8.6m (11 x 9 pts), Height = 4.00m

27	0.98 lx	31.51 lx	1: 32.26
	>= 0.5 lx		>= 1 : 40



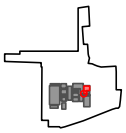
27 1st Floor Meeting Room
Calculation field: 10.7m x 9.7m (11 x 10 pts), Height = 4.00m

28	0.86 lx	9.34 lx	1: 10.82
	>= 0.5 lx		>= 1 : 40



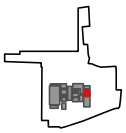
28 1st Floor Space top Let
Calculation field: 10.2m x 13.66m (9 x 11 pts), Height = 4.00m

29	0.48 lx	23.80 lx	1: 49.76
	>= 0.5 lx		>= 1 : 40



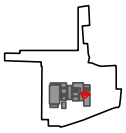
29 1st Floor Music Studio
Calculation field: 4m x 4m (8 x 8 pts), Height = 4.00m

30	1.34 lx	23.52 lx	1: 17.54
	>= 0.5 lx		>= 1 : 40



36 Stage
Calculation field: 9.14m x 1.72m (32 x 6 pts), Height = 1.10m

31	4.33 lx	51.17 lx	1: 11.82
	>= 0.5 lx		>= 1 : 40



Type No.\Make

Cosmic Lighting
2 12E x
Order No. : !CML0611-EM -- Emergency Lighting --
Luminaire name : Dione 1 4K 120W 90°
Equipment : 1 x LED 120 W / 20400 lm
Emergency : 300 lm (1.5 %)
Maintenance factor: 0.80

2.4 Summary, Exterior 1

2.4.1.2 Result overview (emergency lighting)

4 12E x 
Order No. : !CML0322-EMI -- Emergency Lighting --
Luminaire name : IO 2 Highbay 45w 4K
Equipment : 1 x PHILIPS FORTIMO DLM LED 46.4 W / 4543 lm
Emergency : 300 lm (6.6 %)
Maintenance factor: 0.80

6 3E x 
Order No. : !CML0324-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 10W
Equipment : 1 x FLEX G2 LED 9.5 W / 1175 lm
Emergency : 250 lm (21.3 %)
Maintenance factor: 0.80

8 31E x 
Order No. : !CML0532-EM -- Emergency Lighting --
Luminaire name : Planet 2 4K 23W 600x600
Equipment : 1 x LED 23 W / 3565 lm
Emergency : 250 lm (7.0 %)
Maintenance factor: 0.80

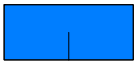
10 21E x 
Order No. : !CML0326-EMI -- Emergency Lighting --
Luminaire name : Pluto 1 4K 18W
Equipment : 1 x FLEX G2 LED 17.5 W / 2000 lm
Emergency : 250 lm (12.5 %)
Maintenance factor: 0.80

12 3E x
Order No. : !CML0045-EM -- Emergency Lighting --
Luminaire name : Mars I - IP65 Battern 36w 4K
Equipment : 1 x Tridonic LLE LED 36.3 W / 5492 lm
Emergency : 300 lm (5.5 %)
Maintenance factor: 0.80

16 19E x 
Order No. : !CML0719-EMI -- Emergency Lighting --
Luminaire name : Eris 3 4K 20W 160Dia
Equipment : 1 x LED 20 W / 2300 lm
Emergency : 250 lm (10.9 %)
Maintenance factor: 0.80

18 6E x
Order No. : !CML0182-OP-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Opal 2528mm 4K
Equipment : 1 x Tridonic LLE LED 46.5 W / 5425 lm
Emergency : 300 lm (5.5 %)
Maintenance factor: 0.80

20 9E x
Order No. : !CML0183-LG-EMI -- Emergency Lighting --
Luminaire name : Callisto 1 Low Glare 2528mm 4K
Equipment : 1 x Tridonic LLE 37.5 W / 5075 lm
Emergency : 300 lm (5.9 %)
Maintenance factor: 0.80

27 210E x 
Order No. : !Neptune 3 Ring Segment - EM -- Emergency Lighting --
Luminaire name : Neptune 3 Ring Segment
Equipment : 1 x LED 2.2 W / 297 lm
Emergency : 10 lm (3.4 %)
Maintenance factor: 0.80

2.4 Summary, Exterior 1

2.4.1.2 Result overview (emergency lighting)

SYNERGY CLL

21 28E x

Order No. : TPZ_NM_2x6W_MT -- Emergency Lighting --
Luminaire name : Topaz LED Twin Spot (Single Head)
Equipment : 1 x LED 3.5 W / 381.5 lm (0%)
Emergency : 381.5 lm
Maintenance factor: 0.80

2 Exterior 1

2.5 Calculation results, Exterior 1

2.5.1 3D luminance (raytracing), Ariel View

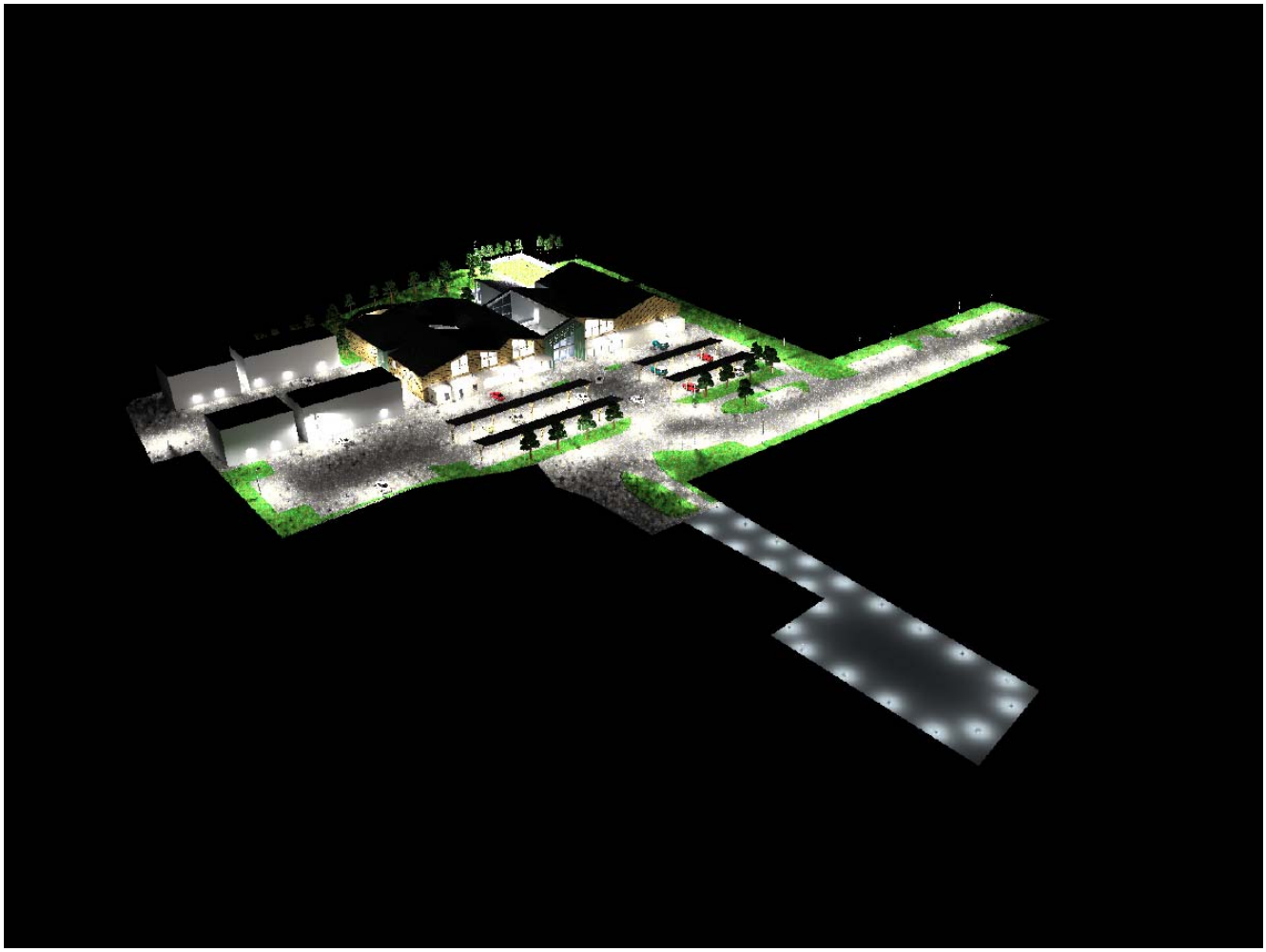


Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 1790 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.2 3D luminance (raytracing), Variable view 2

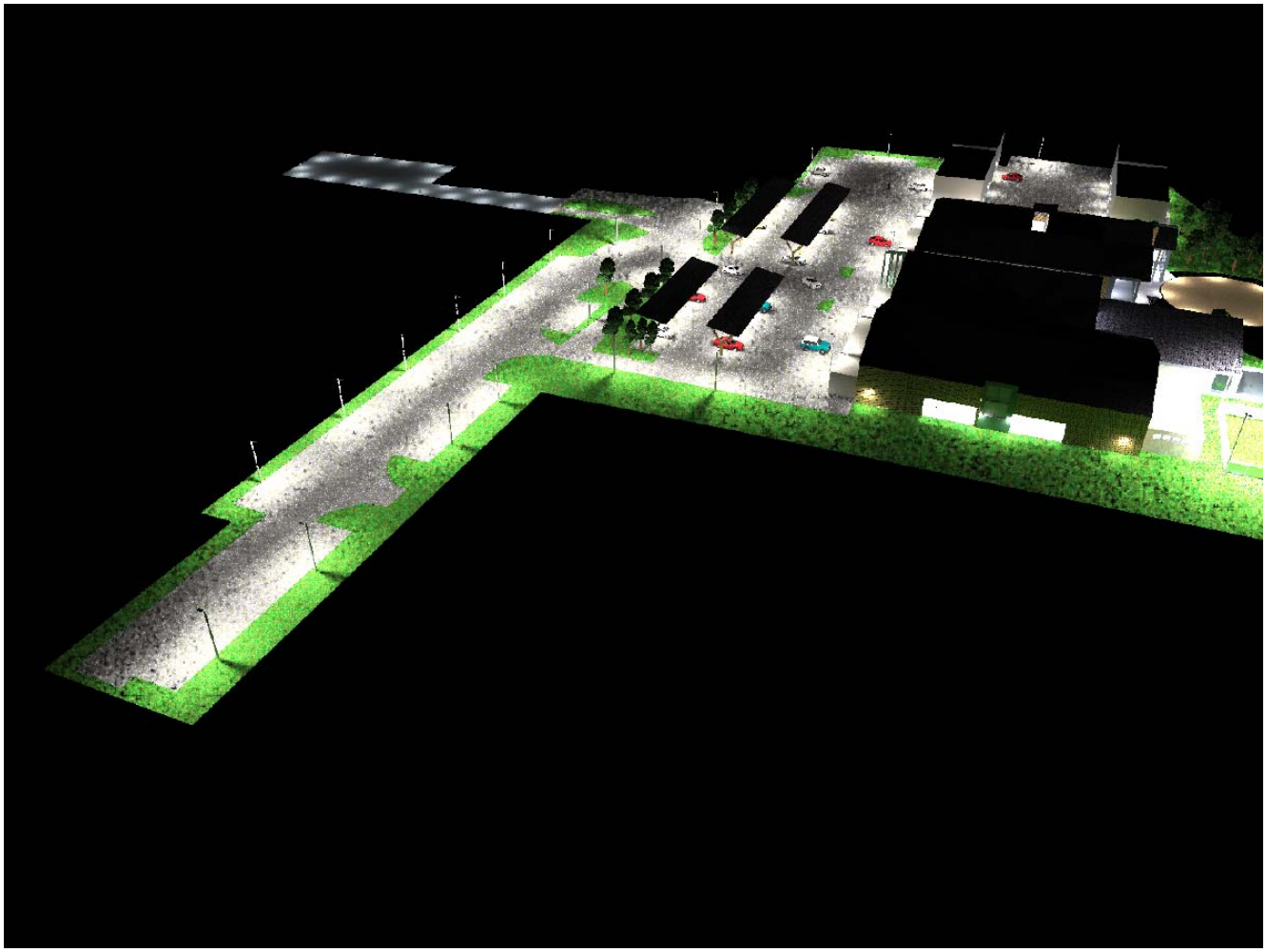


Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 2390 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.3 3D luminance (raytracing), Variable view 3

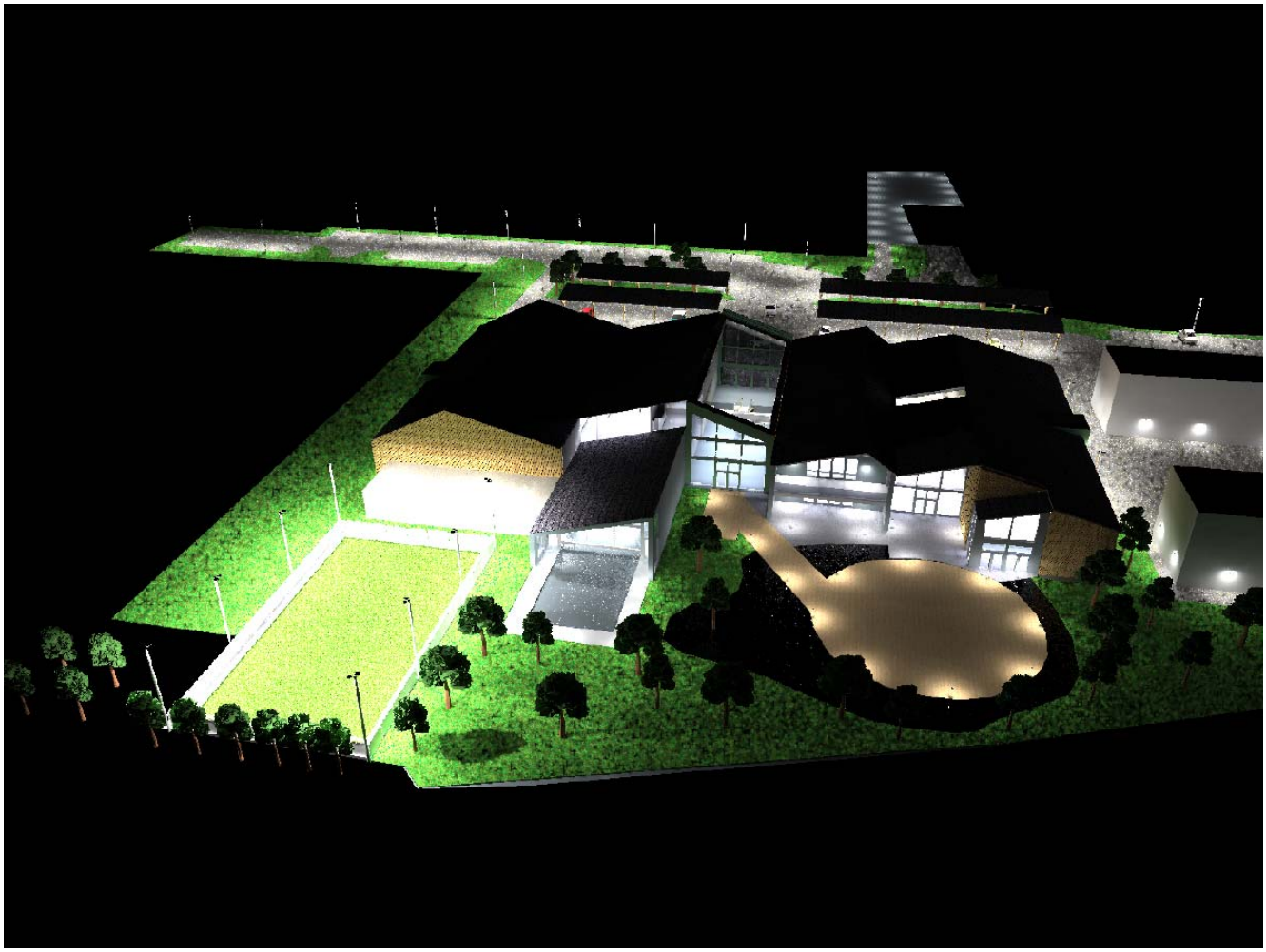


Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 2210 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.4 3D luminance (raytracing), Variable view 4

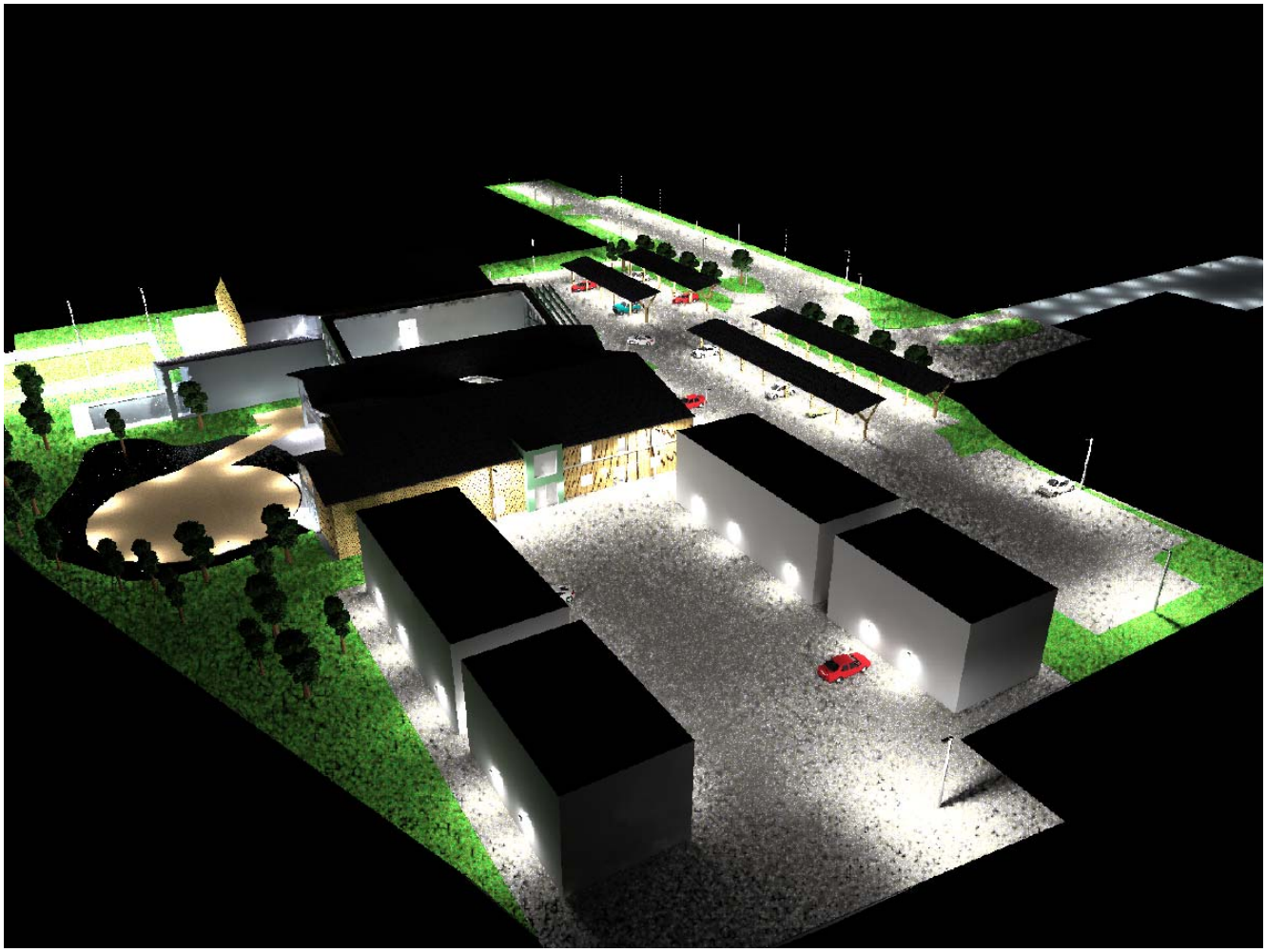


Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 2920 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.5 3D luminance (raytracing), Variable view 5

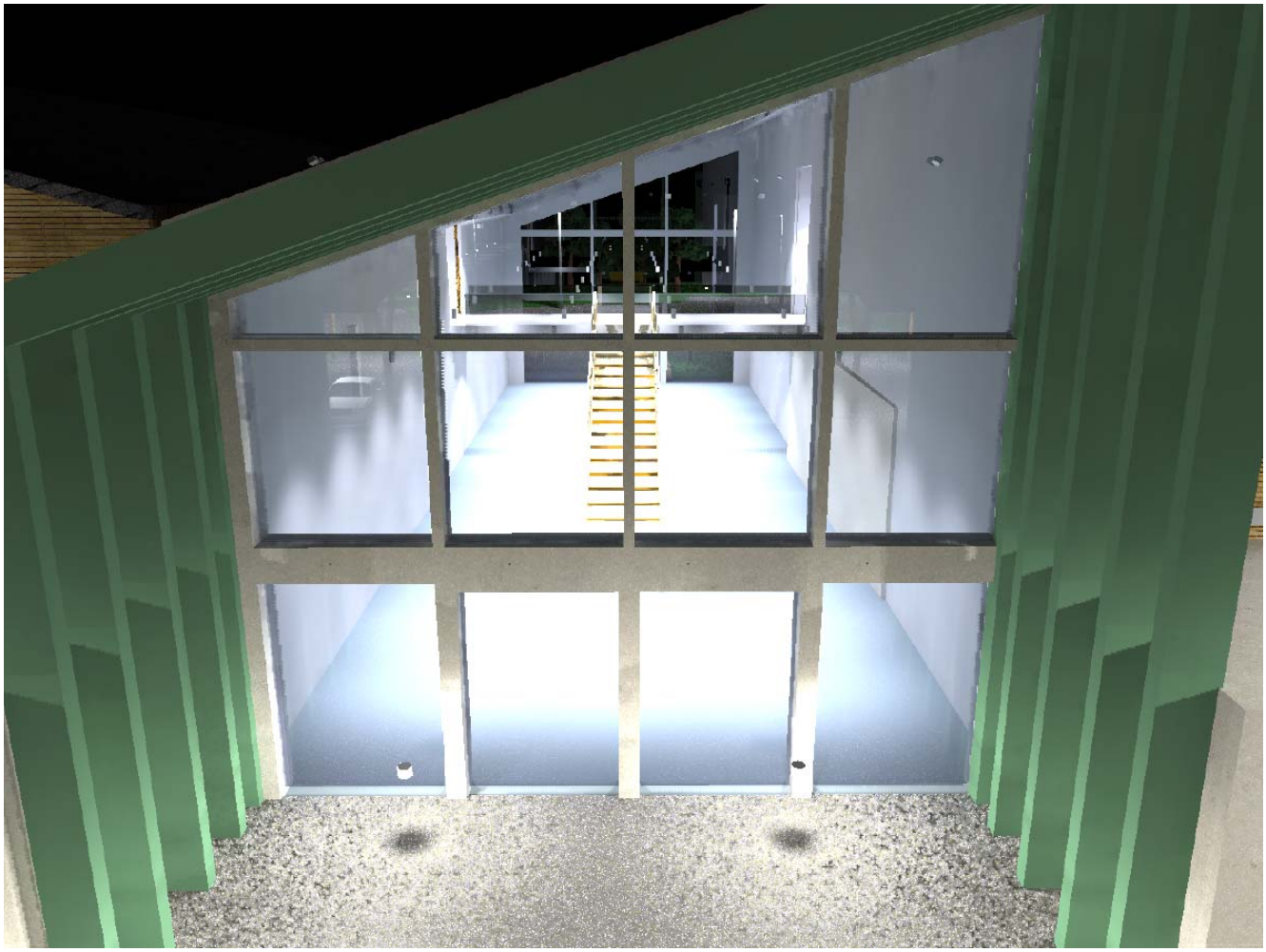


Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 5520 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.6 3D luminance (raytracing), Variable view 6



Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 1800 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.7 3D luminance (raytracing), Variable view 7



Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 2040 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections

2.5 Calculation results, Exterior 1

2.5.8 3D luminance (raytracing), Variable view 8



Luminance in the illustration:
Minimum: : 0 cd/m²
Maximum: : 6410 cd/m²

Artificial light calculation : Direct part, with 2 inter-reflections