



2953 - Prestwich_External Lighting Project

Table of Contents

Cover	1
Table of Contents	2
Contacts	3
Images	4
Luminaire list	5

Site 1

Luminaire layout plan	6
Calculation objects / Emergency Mode	11
Calculation objects / Regular Mode	13
Entrance / Emergency Mode / Horizontal illuminance	15
Pathway 1 / Emergency Mode / Horizontal illuminance	16
Carpark / Regular Mode / Horizontal illuminance	17
Entrance / Regular Mode / Horizontal illuminance	18
Patio / Regular Mode / Horizontal illuminance	19
Pathway 1 / Regular Mode / Horizontal illuminance	20
Pathway 2 / Regular Mode / Horizontal illuminance	21

Contacts



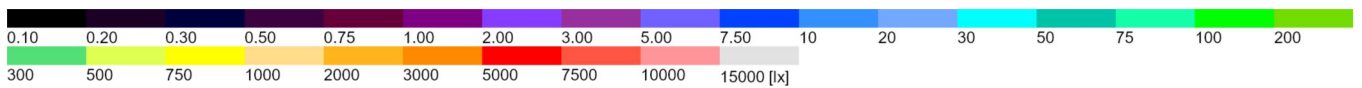
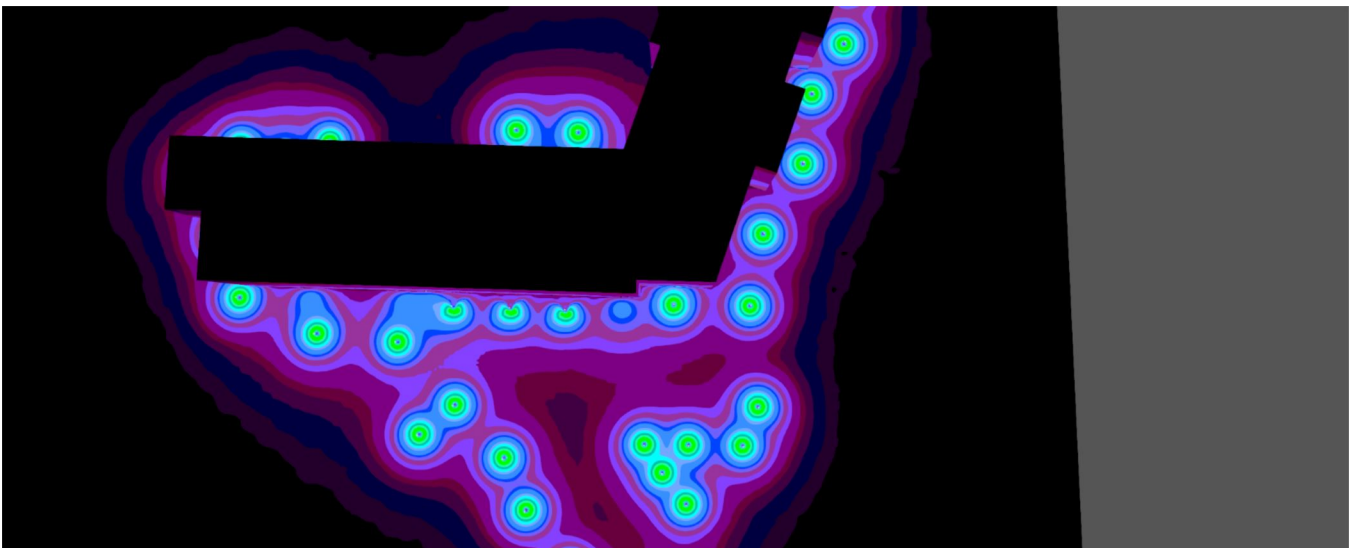
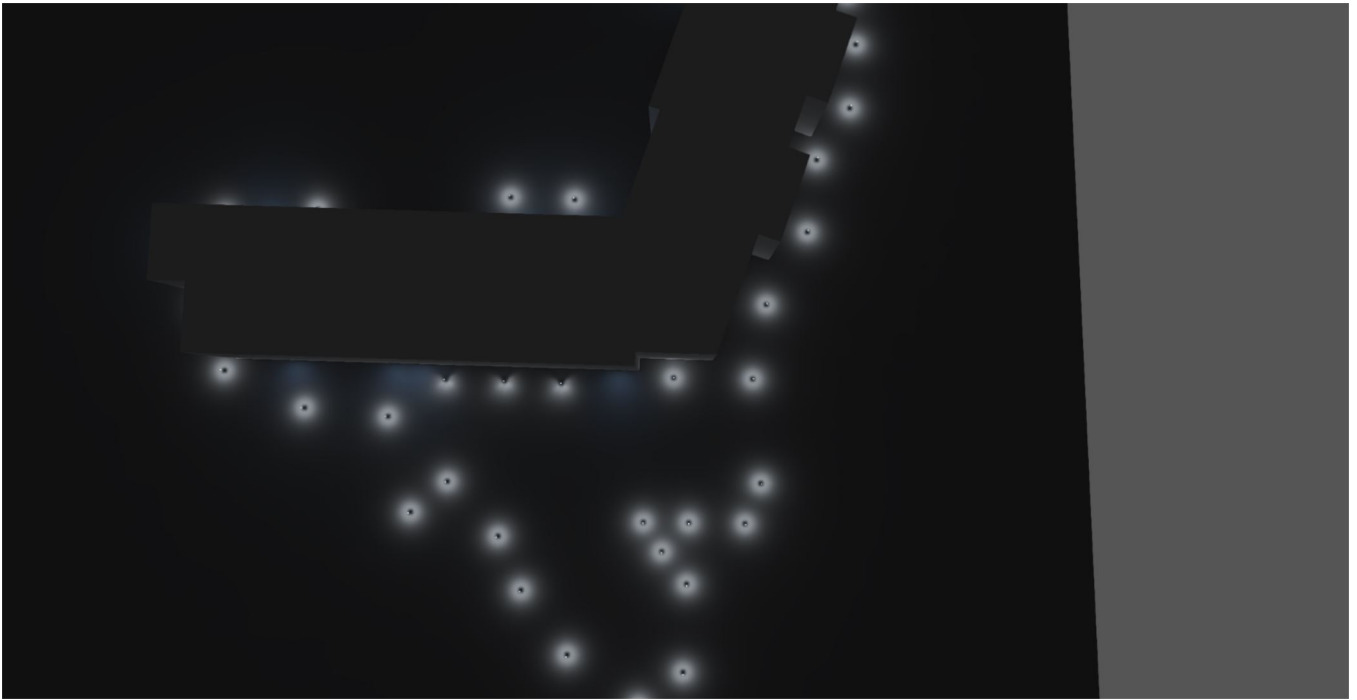
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Images



Luminaire list

Φ_{total} 62968 lm	P_{total} 678.3 W	Luminous efficacy 92.8 lm/W	$\Phi_{\text{Emergency lighting}}$ 38218 lm	$P_{\text{Emergency lighting}}$ 406.5 W
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pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
3	Luceco PLC	15w LED 4000k Deco 2,0 1m high bollard with spill shield	DEC715	15.0 W	1001 lm	66.7 lm/W
19	Luceco PLC	15w LED 4000k Deco 2.0 1m high bollard	DEC715 KING DECO BOLLARD	15.9 W	1696 lm	106.7 lm/W
				 15.9 W	1696 lm (100 %)	–
12	Luceco PLC	15w LED 4000k Deco 2.0 1m high bollard	DEC715 KING DECO BOLLARD	15.9 W	1696 lm	106.7 lm/W
				 1.6 W	170 lm (10 %)	–
4	NEWLEC	NNE-2- LED-M3V- 3.IES	NEWLEC IP65 BULKHEAD EMERGENCY_1051088376	 3.7 W	65 lm (100 %)	–
5	Saxby		Forca 77911-4000K Black	15.6 W	821 lm	52.6 lm/W
				 1.6 W	82 lm (10 %)	–
4	Saxby		Forca 77911-4000K Black	15.6 W	821 lm	52.6 lm/W
				 15.6 W	821 lm (100 %)	–

Site 1

Luminaire layout plan



Site 1

Luminaire layout plan

Luceco PLC - 15w LED 4000k Deco 2,0 1m high bollard with spill shield - DEC715

1x DEC15-02 (LFS20B130-XD5)

X	Y	Mounting height	Housing rotation	MF	Luminaire
65.432 m	80.589 m	1.000 m	0.0° / -0.0° / 87.3°	0.80	16
72.529 m	80.173 m	1.000 m	0.0° / -0.0° / 87.3°	0.80	18
79.899 m	79.884 m	1.000 m	0.0° / -0.0° / 87.3°	0.80	20

Site 1

Luminaire layout plan

Luceco PLC - 15w LED 4000k Deco 2.0 1m high bollard - DEC715 KING DECO BOLLARD
1x DEC15-01

X	Y	Mounting height	Housing rotation	MF	Luminaire
56.322 m	120.059 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	1
50.850 m	116.112 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	2
65.019 m	113.804 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	3
70.657 m	105.931 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	4
50.248 m	105.490 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	5
53.246 m	101.502 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	6
73.459 m	99.311 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	7
42.906 m	98.245 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	8
49.859 m	98.026 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	9
55.484 m	97.884 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	10
84.302 m	96.201 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	11
40.838 m	93.324 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	12
79.753 m	92.507 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	13
107.698 m	78.314 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	23
109.875 m	70.135 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	30
108.023 m	58.475 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	36
96.295 m	58.047 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	37
63.688 m	57.270 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	38
71.800 m	56.854 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	39

Site 1

Luminaire layout plan

Luceco PLC - 15w LED 4000k Deco 2.0 1m high bollard - DEC715 KING DECO BOLLARD
1x DEC15-01

X	Y	Mounting height	Housing rotation	MF	Luminaire
87.168 m	84.353 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	14
97.605 m	83.127 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	15
41.583 m	80.360 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	17
51.468 m	80.067 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	19
39.684 m	71.024 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	29
34.278 m	61.863 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	33
32.865 m	52.588 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	40
28.457 m	45.927 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	41
27.452 m	37.585 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	42
28.392 m	31.023 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	43
36.503 m	28.014 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	46
44.403 m	25.758 m	1.000 m	0.0° / -0.0° / -0.0°	0.80	47

NEWLEC - NNE-2-LED-M3V-3.IES - NEWLEC IP65 BULKHEAD EMERGENCY_1051088376
1x 65 lm, 3.7 W

X	Y	Mounting height	Housing rotation	MF	Luminaire
57.227 m	79.062 m	2.500 m	90.0° / 0.0° / -2.5°	0.80	21
84.252 m	77.852 m	2.500 m	90.0° / 0.0° / -2.5°	0.80	25
97.546 m	77.247 m	2.500 m	90.0° / 0.0° / -2.5°	0.80	27
46.463 m	29.295 m	2.500 m	90.0° / 0.0° / -109.5°	0.80	44

Site 1

Luminaire layout plan

Saxby - - Forca 77911-4000K Black
1x LED

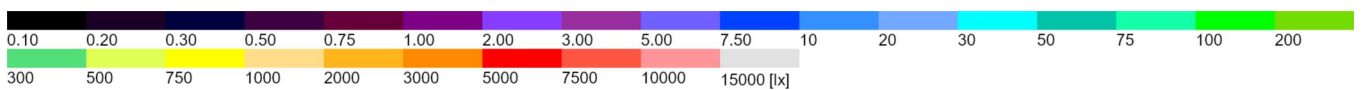
X	Y	Mounting height	Housing rotation	MF	Luminaire
58.149 m	79.011 m	2.500 m	-90.0° / 0.0° / 177.4°	0.80	22
82.782 m	77.904 m	2.500 m	-90.0° / 0.0° / 177.4°	0.80	24
85.944 m	77.771 m	2.500 m	-90.0° / 0.0° / 177.4°	0.80	26
98.432 m	77.201 m	2.500 m	-90.0° / 0.0° / 177.4°	0.80	28
46.198 m	28.584 m	2.500 m	-90.0° / 0.0° / 69.9°	0.80	45

Saxby - - Forca 77911-4000K Black
1x LED

X	Y	Mounting height	Housing rotation	MF	Luminaire
109.916 m	62.347 m	2.500 m	-90.0° / 0.0° / 87.4°	0.80	31
63.174 m	62.010 m	2.500 m	-90.0° / 0.0° / -2.8°	0.80	32
70.593 m	61.665 m	2.500 m	-90.0° / 0.0° / -2.8°	0.80	34
102.233 m	60.252 m	2.500 m	-90.0° / 0.0° / -2.8°	0.80	35

Site 1 (Emergency Mode)

Calculation objects



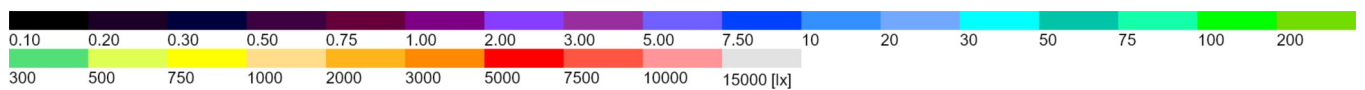
Site 1 (Emergency Mode)

Calculation objects

Notes on planning:

The emergency lighting scene was calculated without reflection and without taking into account the placed furniture.

Site 1 (Regular Mode)

Calculation objects

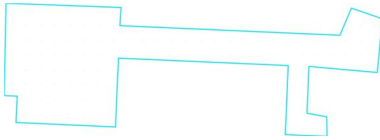
Site 1 (Regular Mode)

Calculation objects

Calculation surfaces

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Carpark Horizontal illuminance Height: 0.000 m	8.19 lx	0.67 lx	117 lx	0.082	0.006	CG1
Entrance Horizontal illuminance Height: 0.000 m	20.9 lx	2.55 lx	125 lx	0.12	0.020	CG2
Patio Horizontal illuminance Height: 0.000 m	21.9 lx	2.97 lx	127 lx	0.14	0.023	CG3
Pathway 1 Horizontal illuminance Height: 0.000 m	29.5 lx	2.06 lx	114 lx	0.070	0.018	CG4
Pathway 2 Horizontal illuminance Height: 0.000 m	22.8 lx	0.16 lx	123 lx	0.007	0.001	CG5

Site 1 (Emergency Mode)

Entrance

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Entrance Horizontal illuminance Height: 0.000 m	1.84 lx	0.24 lx	12.6 lx	0.13	0.019	CG2

Notes on planning:

The emergency lighting scene was calculated without reflection and without taking into account the placed furniture.

Site 1 (Emergency Mode)

Pathway 1

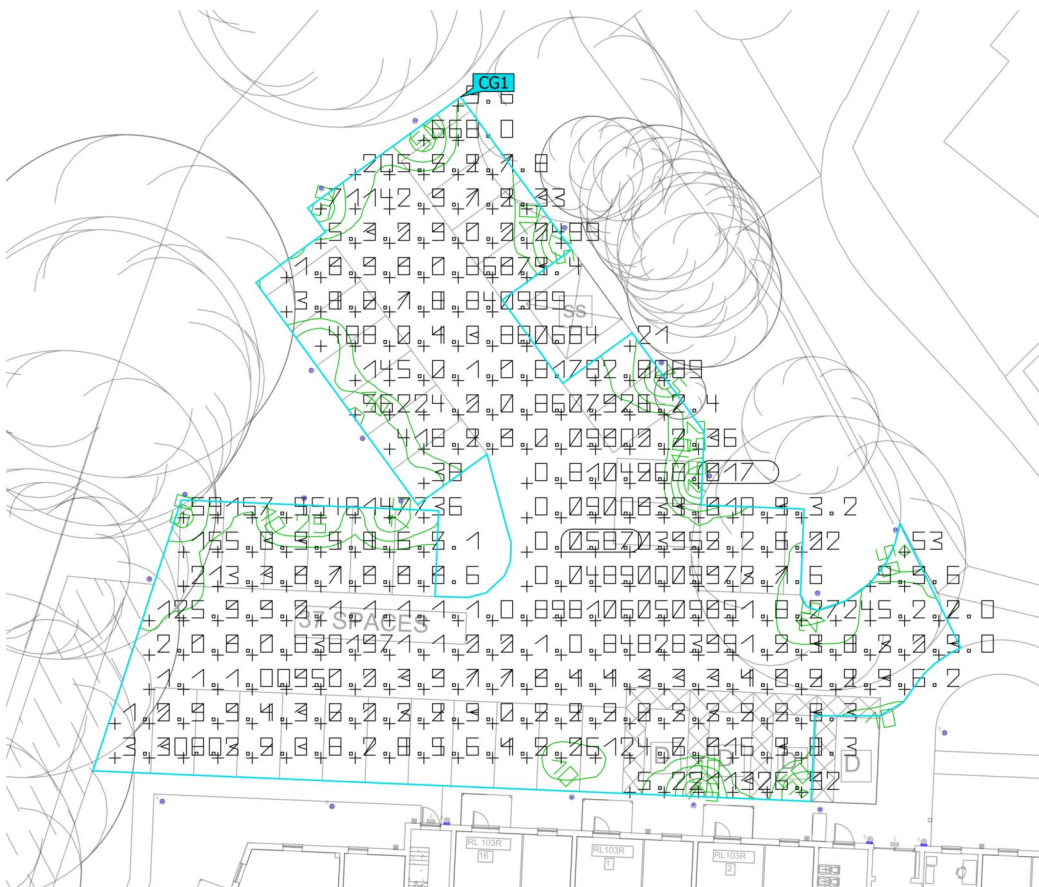
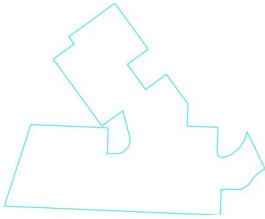


Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Pathway 1	2.94 lx	0.17 lx	11.4 lx	0.058	0.015	CG4
Horizontal illuminance						
Height: 0.000 m						

Notes on planning:

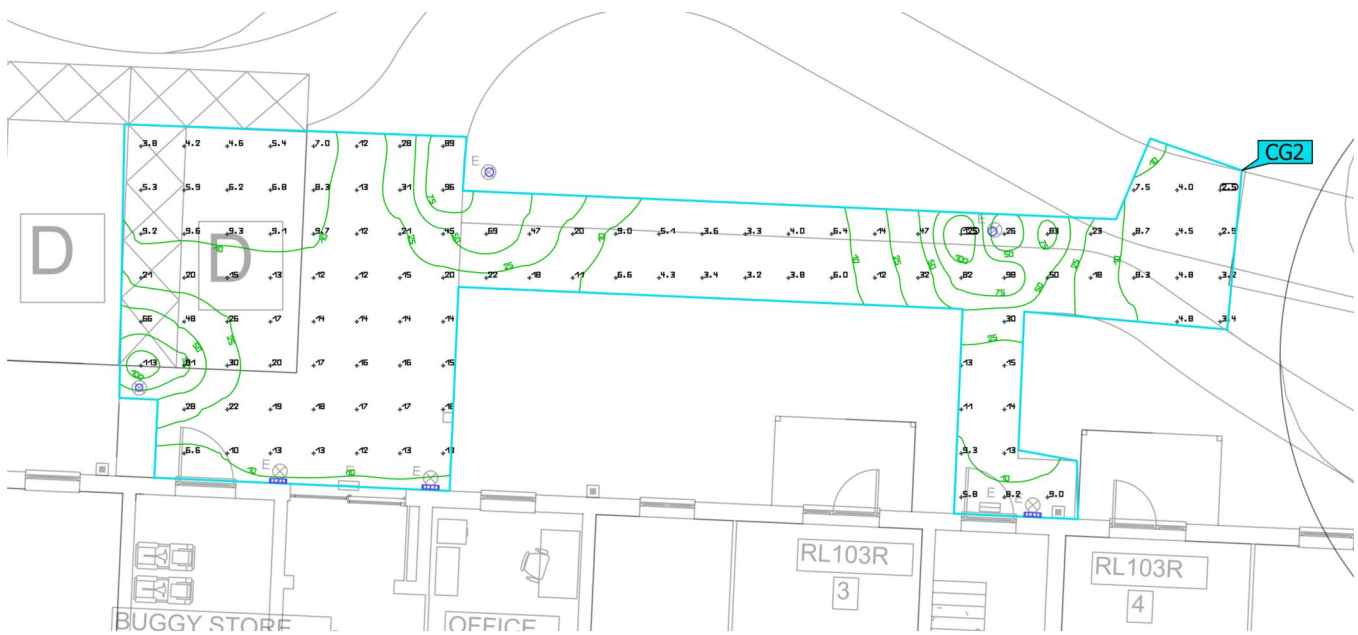
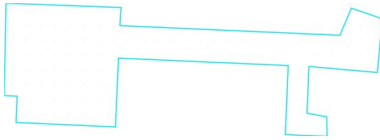
The emergency lighting scene was calculated without reflection and without taking into account the placed furniture.

Site 1 (Regular Mode)

Carpark

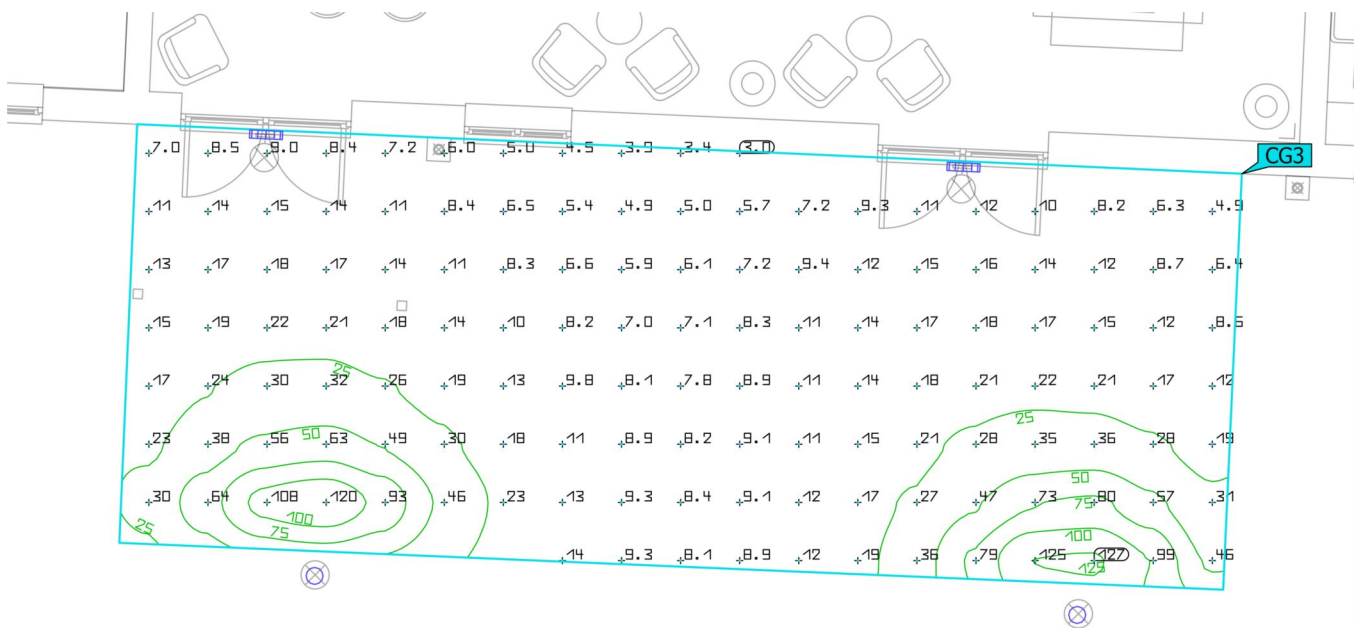
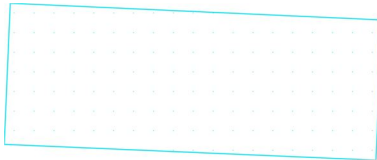
Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Carpark Horizontal illuminance Height: 0.000 m	8.19 lx	0.67 lx	117 lx	0.082	0.006	CG1

Site 1 (Regular Mode)

Entrance

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Entrance Horizontal illuminance Height: 0.000 m	20.9 lx	2.55 lx	125 lx	0.12	0.020	CG2

Site 1 (Regular Mode)

Patio

Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Patio Horizontal illuminance Height: 0.000 m	21.9 lx	2.97 lx	127 lx	0.14	0.023	CG3

Site 1 (Regular Mode)
Pathway 1



Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Pathway 1 Horizontal illuminance Height: 0.000 m	29.5 lx	2.06 lx	114 lx	0.070	0.018	CG4

Site 1 (Regular Mode)
Pathway 2



Properties	$\bar{E}$	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Pathway 2 Horizontal illuminance Height: 0.000 m	22.8 lx	0.16 lx	123 lx	0.007	0.001	CG5