DATE:	**18 October 2024**
DESIGNER:	**Jacek Maslowski**
PROJECT No:	**OP227139LD20580**
PROJECT NAME:	**Gort Public Realm, Co. Galway**

Schréder
Experts in lightability™

The scheme has been designed to:

Roads and footpaths // BS 5489-1:2020, P2
10 - 15 lux average, 2 lux minimum

Roads and footpaths // BS 5489-1:2020, P3
7.50 - 11.25 lux average, 1.50 lux minimum

Roads and footpaths // BS 5489-1:2020, C4
10 lux average, 40% uniformity

Car Park // BS EN 12464-2:2014, 5.9.2
10 lux average, 25% uniformity

Maintenance factor calculated as per GN11:
>6m = 0.89 <6m = 0.81

Outdoor Lighting Report

This design has been prepared in accordance with the HEA/HEMSA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 for an outline design. The information in this report does not account for installation considerations, site conditions or provide any form of risk assessment. Urbis' design service is advisory only and it is the responsibility of the recipient of this information to verify that the design is suitable for the intended application. No account is taken for the blocking effect caused by buildings, trees etc. The calculation shown assumes that the whole area considered is in the same plane.

PREPARED BY:

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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	10 LUX - P2 - ROAD	545115.57	701701.24	374.64	314.18	1.50	1.50
2	10 LUX - P2 - ROAD	544933.53	701957.65	374.64	249.16	1.50	1.49
3	10 LUX - C4 - MARKET SQU...	545084.11	702089.68	37.56	34.79	1.44	1.45
4	10 LUX - CAR PARK	545195.76	702168.35	24.82	30.73	1.46	1.46
5	7.5 LUX - P3 - ROAD	545066.62	701943.02	15.76	147.51	1.43	1.49
6	7.5 LUX - P3 - ROAD	545080.69	701950.03	119.66	26.79	1.50	1.49
7	10 LUX - C4 - MARKET SQU...	545019.87	702101.83	97.17	38.94	1.49	1.50
8	7.5 LUX - P3 - ROAD	545126.26	702107.05	90.79	25.42	1.49	1.50
9	7.5 LUX - P3 - ACCESS ROAD	545032.69	702134.17	47.51	75.99	1.48	1.49
10	10 LUX - CAR PARK	544969.59	702178.33	31.08	129.89	1.48	1.49
11	7.5 LUX - P3 - ROAD	544873.77	702222.35	267.17	69.87	1.49	1.49

Luminaires

Luminaire A Data

Supplier	Schréder
Type	HESTIA GEN2 MINI 5393 Flat glass 20 LEDs@430mA WW 727 230V 1
Lamp(s)	20 LEDs@430mA WW 727 230V 1x00-14-564 - DRIVER_OSRAM_2DIM P_5
LampFlux(klm)/Colour	3.32 2700K/70
File Name	HESTIA GEN2 MINI 5393 20 LEDs 430mA WW 727 31.5W 506512 Flat glass 230V T...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	448.0, 55.5, 0.0
No. in Project	13

Luminaire B Data

Supplier	Schréder
Type	VALINTA CURVE MINI 6665 Flat glass Wide beam 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@90mA WW 830 230V 1x00-53-397 - DRIVER_O
LampFlux(klm)/Colour	0.51 3000K/80
File Name	VALINTA CURVE MINI 6665 16 OSLON SQUARE GIANT 90mA WW 830 6.3W 53529...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	6.5, 0.5, 0.0
No. in Project	12

Luminaire C Data

Supplier	Schréder
Type	HESTIA GEN2 MIDI 5393 [Flat glass], [Lum. shape-related, Stee
Lamp(s)	40 LH351C@319mA WW 730 230V 1x02-58-001 - DRIVER_SIGNIFY_FP_7
LampFlux(klm)/Colour	5.52 3000K/70
File Name	HESTIA GEN2 MIDI 5393 40 LH351C 319mA WW 730 39.6W 506512 Nothing 230V T...
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	448.0, 55.5, 0.0
No. in Project	37

Luminaire D Data

Supplier	Schréder
Type	HESTIA GEN2 MIDI 5393 Flat glass 40 LEDs@400mA WW 722 230V 1
Lamp(s)	40 LEDs@400mA WW 722 230V 1x02-58-001 - DRIVER_SIGNIFY_FP_75W
LampFlux(klm)/Colour	5.59 2200K/70
File Name	HESTIA GEN2 MIDI 5393 40 LEDs 400mA WW 722 49.5W 506512 Flat glass 230V T...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	448.0, 55.5, 0.0
No. in Project	2

Luminaires

Luminaire E Data

Supplier	Schréder
Type	VALINTA CURVE MIDI 5393 [Flat glass], [Lum. shape-related, Pl
Lamp(s)	20 LH351C@180mA WW 730 230V 1x00-53-398 - DRIVER_OSRAM_4DIM G
LampFlux(klm)/Colour	1.61 3000K/70
File Name	VALINTA CURVE MIDI 5393 20 LH351C 180mA WW 730 13W 525112 Nothing 230V ...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	426.6, 15.6, 0.0
No. in Project	15

Luminaire F Data

Supplier	Schréder
Type	HESTIA GEN2 MIDI 5393 [Flat glass], [Lum. shape-related, Stee
Lamp(s)	40 LH351C@230mA WW 730 230V 1x02-58-001 - DRIVER_SIGNIFY_FP_7
LampFlux(klm)/Colour	4.13 3000K/70
File Name	HESTIA GEN2 MIDI 5393 40 LH351C 230mA WW 730 29W 506512 Nothing 230V TF ....
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	448.0, 55.5, 0.0
No. in Project	7

Luminaire G Data

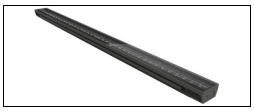
Supplier	Schréder
Type	HESTIA GEN2 MINI 5393 Flat glass 30 LEDs@370mA WW 722 230V 1
Lamp(s)	30 LEDs@370mA WW 722 230V 1x00-14-564 - DRIVER_OSRAM_2DIM P_5
LampFlux(klm)/Colour	3.94 2200K/70
File Name	HESTIA GEN2 MINI 5393 30 LEDs 370mA WW 722 39.4W 506512 Flat glass 230V T...
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	448.0, 55.5, 0.0
No. in Project	16

Luminaire H Data

Supplier	Schréder
Type	HESTIA GEN2 MINI 5392 Flat glass 10 LEDs@350mA WW 727 230V 1
Lamp(s)	10 LEDs@350mA WW 727 230V 1x01-37-041 - DRIVER_SIGNIFY_FP_22W
LampFlux(klm)/Colour	1.43 2700K/70
File Name	HESTIA GEN2 MINI 5392 10 LEDs 350mA WW 727 12W 506452 Flat glass 230V TF ....
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	484.1, 77.7, 0.0
No. in Project	6

Luminaire I Data

Supplier	Schréder
Type	HESTIA GEN2 MIDI 5392 Flat glass 40 LEDs@410mA WW 730 230V 1
Lamp(s)	40 LEDs@410mA WW 730 230V 1x02-58-001 - DRIVER_SIGNIFY_FP_75W
LampFlux(klm)/Colour	7.01 3000K/70
File Name	HESTIA GEN2 MIDI 5392 40 LEDs 410mA WW 730 50.5W 506452 Flat glass 230V T...
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	484.1, 77.7, 0.0
No. in Project	4



Luminaire J Data

Supplier	Schréder
Type	SCULPLINE R50 6291 Diffuser P25 striated 20 OSLON SSL 150Â°@3
Lamp(s)	20 OSLON SSL 150Â°@350mA WW 827 230V
LampFlux(klm)/Colour	1.83 WW 2700K/80
File Name	SCULPLINE R50 6291 20 OSLON SSL 150°350mA WW 827 25W 346982 Diffuser P...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	80.6, 19.3, 0.0
No. in Project	6

Layout

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1/1	E	545083.75	702105.17	5.60	97.00	5.00	0.00	0.25			
2/1	E	545083.75	702105.17	5.25	217.00	5.00	0.00	0.25			
3/1	E	545083.75	702105.17	5.00	337.00	5.00	0.00	0.25			
4/2	E	545102.08	702105.63	5.60	278.00	5.00	0.00	0.25			
5/2	E	545102.08	702105.63	5.25	38.00	5.00	0.00	0.25			
6/2	E	545102.08	702105.63	5.00	158.00	5.00	0.00	0.25			
7/3	E	545073.39	702132.42	5.60	163.00	5.00	0.00	0.25			
8/3	E	545073.39	702132.42	5.25	283.00	5.00	0.00	0.25			
9/3	E	545073.39	702132.42	5.00	43.00	5.00	0.00	0.25			
10/4	B	545027.52	702110.64	5.60	0.00	40.00	0.00	0.25			
11/4	B	545027.52	702110.64	5.25	120.00	40.00	0.00	0.25			
12/4	B	545027.52	702110.64	5.00	240.00	40.00	0.00	0.25			
13/5	B	545039.28	702119.78	5.60	0.00	40.00	0.00	0.25			
14/5	B	545039.28	702119.78	5.25	120.00	40.00	0.00	0.25			
15/5	B	545039.28	702119.78	5.00	240.00	40.00	0.00	0.25			
16/6	B	545054.86	702127.05	5.60	291.00	40.00	0.00	0.25			
17/6	B	545054.86	702127.05	5.25	51.00	40.00	0.00	0.25			
18/6	B	545054.86	702127.05	5.00	171.00	40.00	0.00	0.25			
19/7	B	545063.40	702147.45	5.60	316.00	40.00	0.00	0.25			
20/7	B	545063.40	702147.45	5.25	76.00	40.00	0.00	0.25			
21/7	B	545063.40	702147.45	5.00	196.00	40.00	0.00	0.25			
22/8	E	545073.16	702159.39	5.60	0.00	5.00	0.00	0.25			
23/8	E	545073.16	702159.39	5.25	120.00	5.00	0.00	0.25			
24/8	E	545073.16	702159.39	5.00	240.00	5.00	0.00	0.25			
25/9	E	545090.98	702149.98	5.60	45.00	5.00	0.00	0.25			
26/9	E	545090.98	702149.98	5.25	165.00	5.00	0.00	0.25			
27/9	E	545090.98	702149.98	5.00	285.00	5.00	0.00	0.25			
28	C	545172.67	702031.29	8.00	48.00	0.00	0.00	1.00			
29	C	545166.46	702054.15	8.00	210.00	0.00	0.00	1.00			
30	C	545198.67	702013.26	8.00	213.00	0.00	0.00	1.00			
31	C	545147.01	702060.76	8.00	34.00	0.00	0.00	1.00			
32	C	545147.82	702077.94	8.00	221.00	0.00	0.00	1.00			
33	C	545123.54	702088.67	8.00	43.00	0.00	0.00	1.00			
34	C	545115.04	702100.56	8.00	40.00	0.00	0.00	1.00			
35	F	545125.98	702117.22	8.00	114.00	0.00	0.00	1.00			
36	C	545115.50	702123.85	8.00	206.00	0.00	0.00	1.00			

Layout Continued

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
37	C	545086.03	702126.06	8.00	117.00	0.00	0.00	1.00			
38	C	545108.24	702141.55	8.00	203.00	0.00	0.00	1.00			
39	C	545074.26	702115.24	8.00	115.00	0.00	0.00	1.00			
40	C	545100.01	702155.22	8.00	197.00	0.00	0.00	1.00			
41	C	545094.44	702177.89	8.00	200.00	0.00	0.00	1.00			
42	C	545071.38	702172.76	8.00	320.00	0.00	0.00	1.00			
43	C	545058.77	702155.79	8.00	316.00	0.00	0.00	1.00			
44	C	545042.14	702137.14	8.00	325.00	0.00	0.00	1.00			
45	C	545028.18	702121.85	8.00	315.00	0.00	0.00	1.00			
46	C	545014.42	702103.03	8.00	315.00	0.00	0.00	1.00			
47	C	545024.51	702092.25	8.00	110.00	0.00	0.00	1.00			
48	C	545047.72	702102.98	8.00	110.00	0.00	0.00	1.00			
49	C	545080.33	702197.44	8.00	15.00	0.00	0.00	1.00			
50	C	545078.78	702222.33	8.00	190.00	0.00	0.00	1.00			
51	C	545061.27	702244.27	8.00	14.00	0.00	0.00	1.00			
52	C	545064.38	702262.72	8.00	192.00	0.00	0.00	1.00			
53	C	545051.88	702270.32	8.00	18.00	0.00	0.00	1.00			
54	C	545052.20	702295.32	8.00	196.00	0.00	0.00	1.00			
55	C	545001.05	702081.53	8.00	138.00	0.00	0.00	1.00			
56	C	544981.19	702074.19	8.00	325.00	0.00	0.00	1.00			
57	C	544974.02	702050.34	8.00	139.00	0.00	0.00	1.00			
58	C	544952.76	702041.29	8.00	325.00	0.00	0.00	1.00			
59	C	544945.43	702020.12	8.00	136.00	0.00	0.00	1.00			
60	C	544924.14	702011.71	8.00	331.00	0.00	0.00	1.00			
61	C	544922.36	701995.47	8.00	162.00	0.00	0.00	1.00			
62	G	545182.90	702187.00	6.00	38.00	0.00	0.00	1.00			
63	G	545191.00	702175.11	6.00	38.00	0.00	0.00	1.00			
64	G	545203.50	702201.09	6.00	209.00	0.00	0.00	1.00			
65	G	545211.56	702189.28	6.00	209.00	0.00	0.00	1.00			
66	A	545010.02	702063.71	6.00	208.00	0.00	0.00	0.75			
67	A	545014.16	702042.93	6.00	29.00	0.00	0.00	0.75			
68	A	545029.77	702028.63	6.00	208.00	0.00	0.00	0.75			
69	A	545033.79	702008.04	6.00	27.00	0.00	0.00	0.75			
70	A	545049.57	701993.60	6.00	206.00	0.00	0.00	0.75			
71	A	545053.59	701972.95	6.00	29.00	0.00	0.00	0.75			
72	A	545067.90	701960.97	6.00	208.00	0.00	0.00	0.75			

Layout Continued

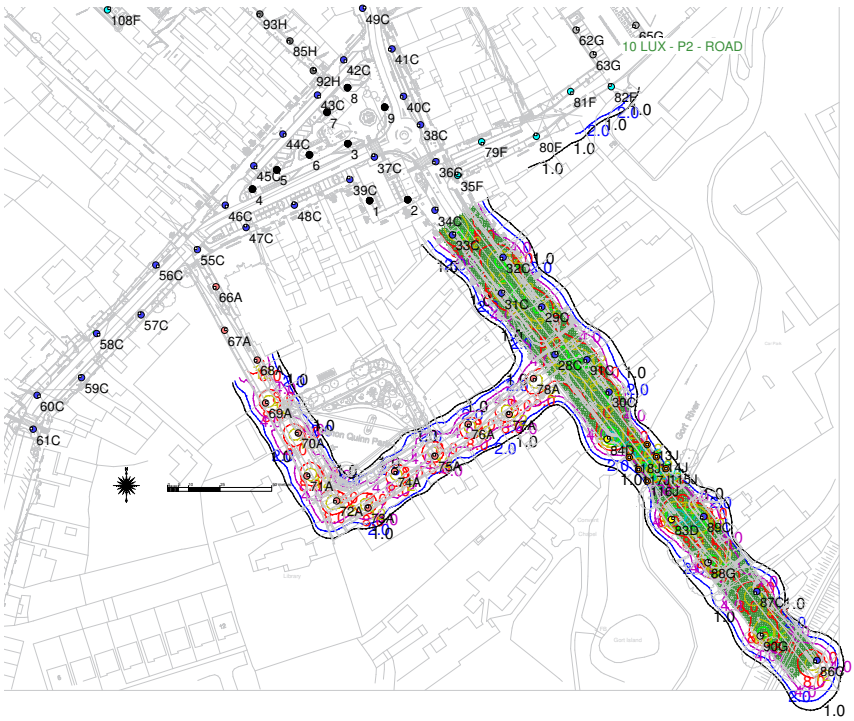
ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
73	A	545083.03	701957.61	6.00	121.00	0.00	0.00	0.75			
74	A	545095.71	701975.19	6.00	301.00	0.00	0.00	0.75			
75	A	545115.10	701982.46	6.00	115.00	0.00	0.00	0.75			
76	A	545131.08	701997.87	6.00	299.00	0.00	0.00	0.75			
77	A	545150.76	702002.46	6.00	123.00	0.00	0.00	0.75			
78	A	545162.45	702019.70	6.00	301.00	0.00	0.00	0.75			
79	F	545137.49	702133.43	8.00	292.00	0.00	0.00	1.00			
80	F	545163.82	702135.99	8.00	114.00	0.00	0.00	1.00			
81	F	545180.24	702157.45	8.00	310.00	0.00	0.00	1.00			
82	F	545199.71	702159.77	8.00	125.00	0.00	0.00	1.00			
83	D	545228.55	701952.08	6.00	37.00	0.00	0.00	1.00			
84	D	545197.74	701990.67	6.00	38.00	0.00	0.00	1.00			
85	H	545045.48	702181.80	3.00	224.00	0.00	0.00	0.75			
86	C	545298.48	701884.57	8.00	215.00	0.00	0.00	1.00			
87	C	545269.69	701917.47	8.00	221.00	0.00	0.00	1.00			
88	G	545246.16	701931.30	6.00	38.00	0.00	0.00	1.00			
89	C	545244.07	701953.47	8.00	209.00	0.00	0.00	1.00			
90	G	545271.15	701896.12	6.00	43.00	0.00	0.00	1.00			
91	C	545188.05	702028.75	8.00	222.00	0.00	0.00	1.00			
92	H	545056.76	702167.55	3.00	52.00	0.00	0.00	0.75			
93	H	545031.06	702194.69	3.00	227.00	0.00	0.00	0.75			
94	H	545004.72	702216.91	3.00	314.00	0.00	0.00	0.75			
95	H	544997.21	702199.75	3.00	148.00	0.00	0.00	0.75			
96	H	545017.48	702207.76	3.00	227.00	0.00	0.00	0.75			
97	F	544980.60	702203.97	6.00	226.00	0.00	0.00	1.00			
98	G	544966.22	702217.92	6.00	225.00	0.00	0.00	1.00			
99	G	544953.10	702232.93	6.00	225.00	0.00	0.00	1.00			
100	G	544937.07	702246.40	6.00	225.00	0.00	0.00	1.00			
101	G	544921.89	702261.11	6.00	225.00	0.00	0.00	1.00			
102	G	544903.92	702278.56	6.00	227.00	0.00	0.00	1.00			
103	G	544887.10	702262.60	6.00	46.00	0.00	0.00	1.00			
104	G	544906.81	702246.20	6.00	45.00	0.00	0.00	1.00			
105	G	544920.93	702232.45	6.00	45.00	0.00	0.00	1.00			
106	G	544933.76	702220.29	6.00	45.00	0.00	0.00	1.00			
107	G	544946.37	702208.04	6.00	45.00	0.00	0.00	1.00			
108	F	544957.95	702196.68	6.00	44.00	0.00	0.00	1.00			

Layout Continued

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
109	I	544869.82	702273.46	8.00	300.00	0.00	0.00	1.00			
110	I	544908.81	702301.28	8.00	307.00	0.00	0.00	1.00			
111	I	544946.34	702325.00	8.00	302.00	0.00	0.00	1.00			
112	I	544978.52	702347.74	8.00	300.00	0.00	0.00	1.00			
113	J	545216.96	701988.09	0.35	218.00	90.00	0.00	0.00			
114	J	545221.46	701982.27	0.35	218.00	90.00	0.00	0.00			
115	J	545226.00	701976.58	0.35	218.00	90.00	0.00	0.00			
116	J	545217.01	701970.58	0.35	35.00	90.00	0.00	0.00			
117	J	545212.78	701976.06	0.35	35.00	90.00	0.00	0.00			
118	J	545208.37	701981.83	0.35	35.00	90.00	0.00	0.00			

Horizontal Illuminance (lux)

10 LUX - P2 - ROAD



Results

Eav	10.14
Emin	2.03
Emax	41.58
Emin/Emax	0.05
Emin/Eav	0.20

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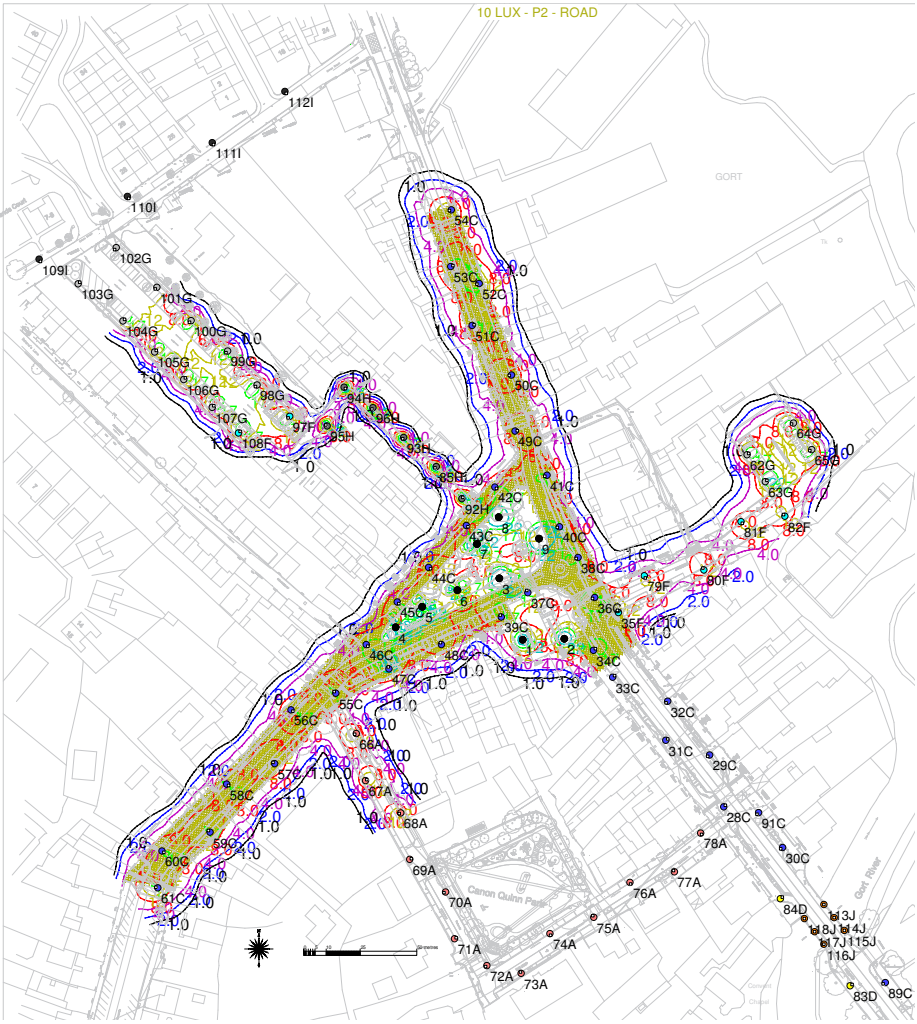
Horizontal Illuminance (lux)

10 LUX - P2 - ROAD

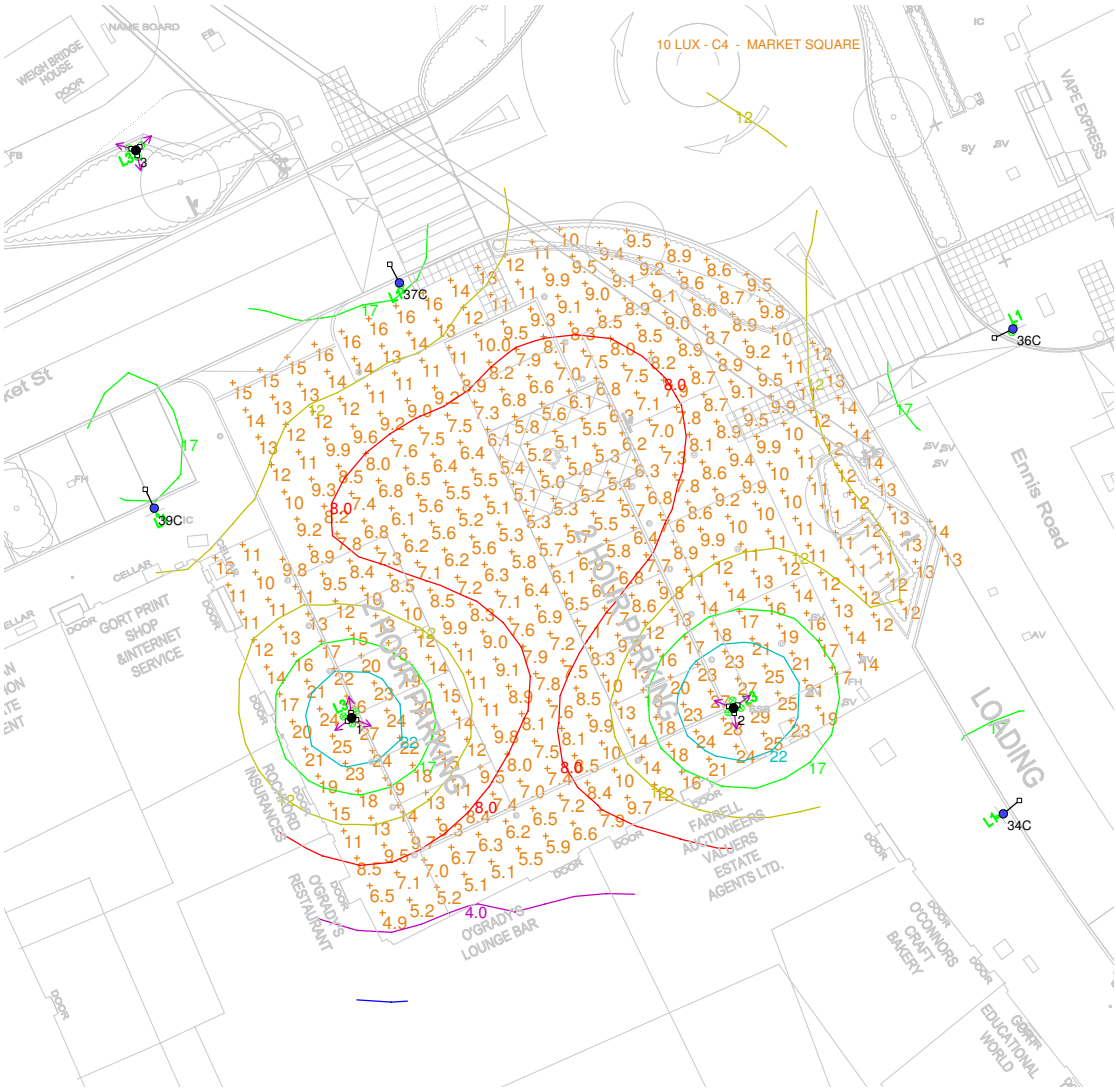


Results

Eav	11.31
Emin	2.85
Emax	28.46
Emin/Emax	0.10
Emin/Eav	0.25

Horizontal Illuminance (lux)

10 LUX - C4 - MARKET SQUARE

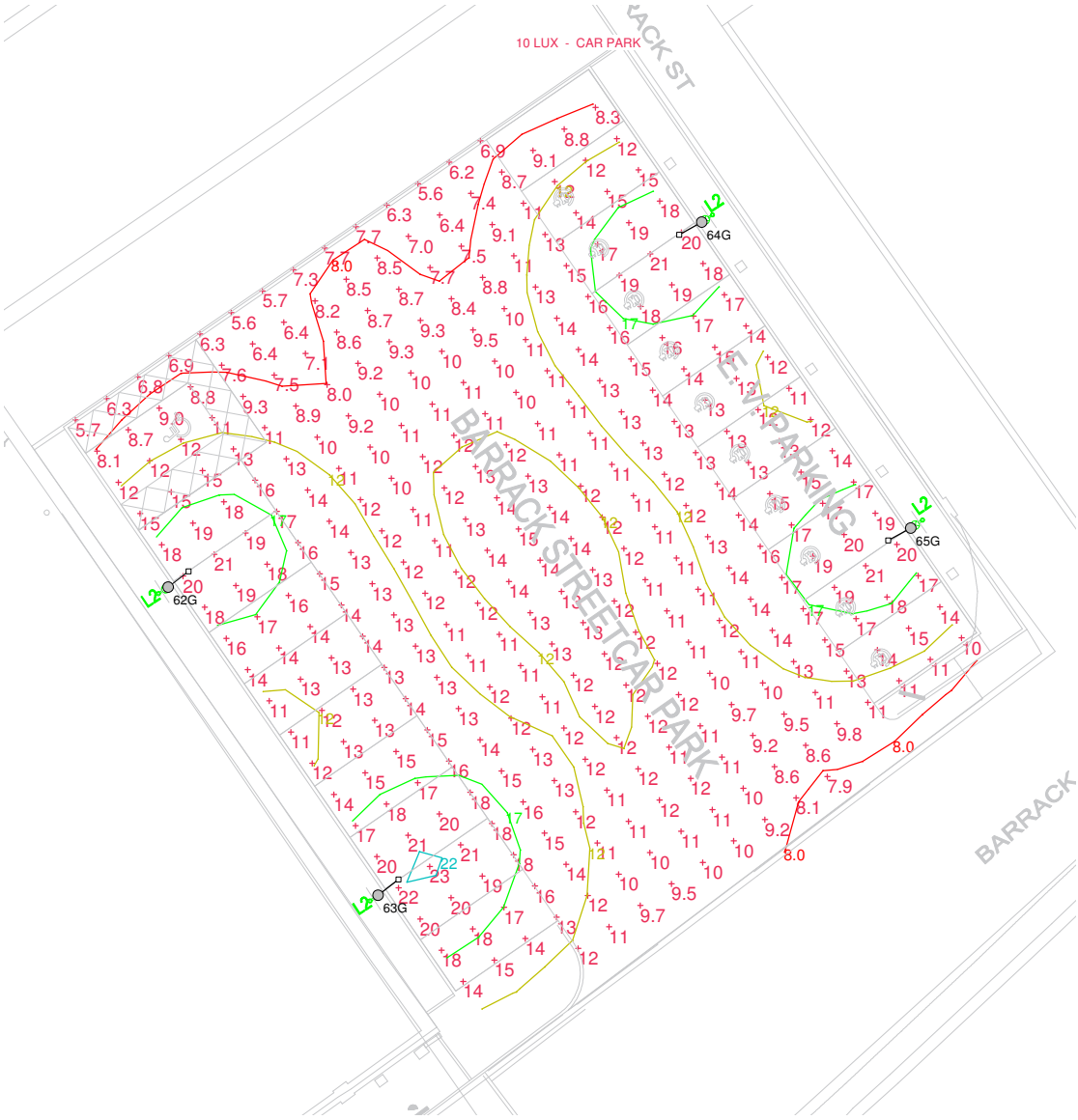


Results

Eav	11.20
Emin	4.89
Emax	28.51
Emin/Emax	0.17
Emin/Eav	0.44

Horizontal Illuminance (lux)

10 LUX - CAR PARK



Results

Eav	12.76
Emin	5.57
Emax	22.67
Emin/Emax	0.25
Emin/Eav	0.44

Horizontal Illuminance (lux)

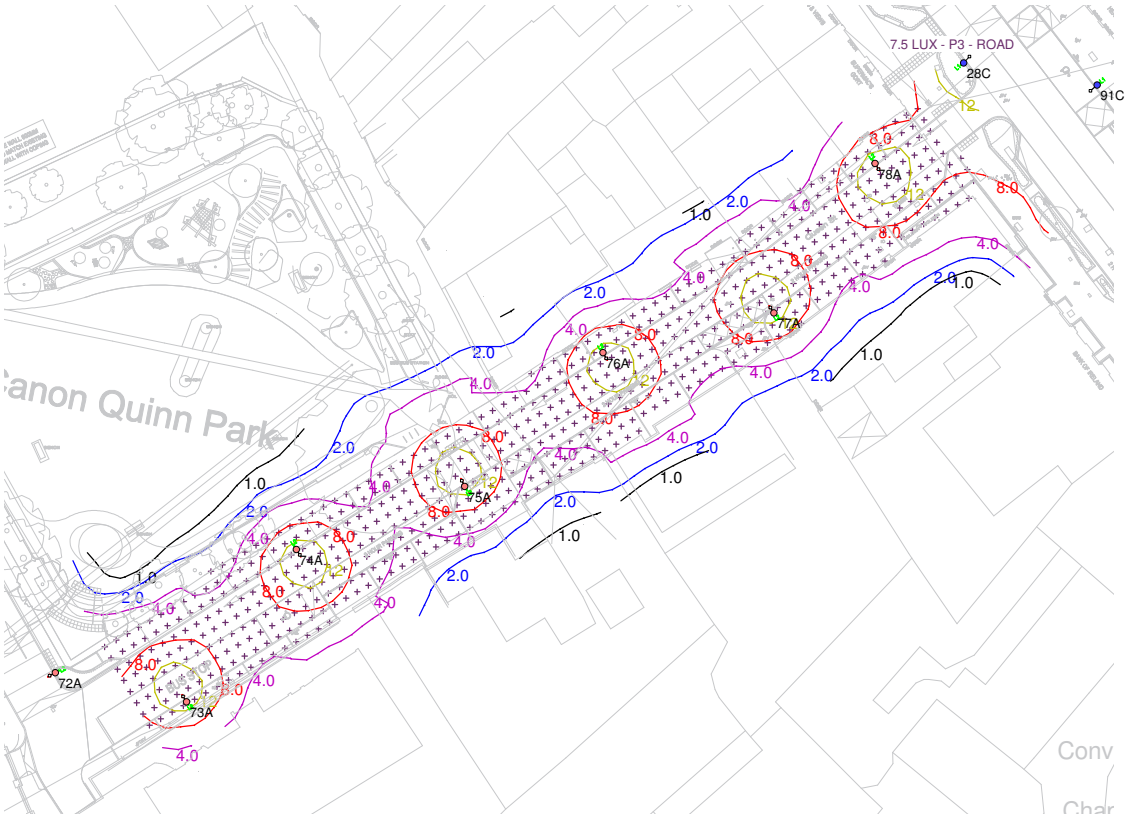
7.5 LUX - P3 - ROAD

Results

Eav	7.93
Emin	2.52
Emax	16.30
Emin/Emax	0.15
Emin/Eav	0.32

Horizontal Illuminance (lux)

7.5 LUX - P3 - ROAD

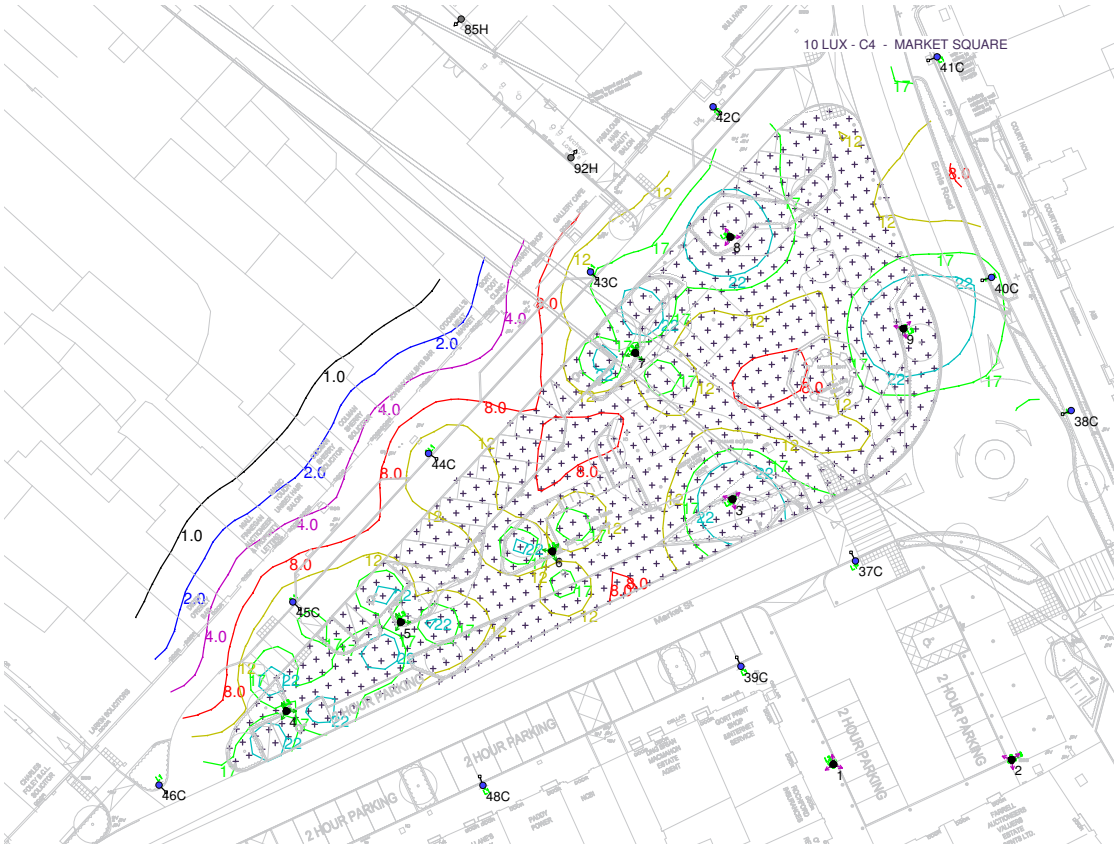


Results

Eav	7.62
Emin	2.57
Emax	16.04
Emin/Emax	0.16
Emin/Eav	0.34

Horizontal Illuminance (lux)

10 LUX - C4 - MARKET SQUARE

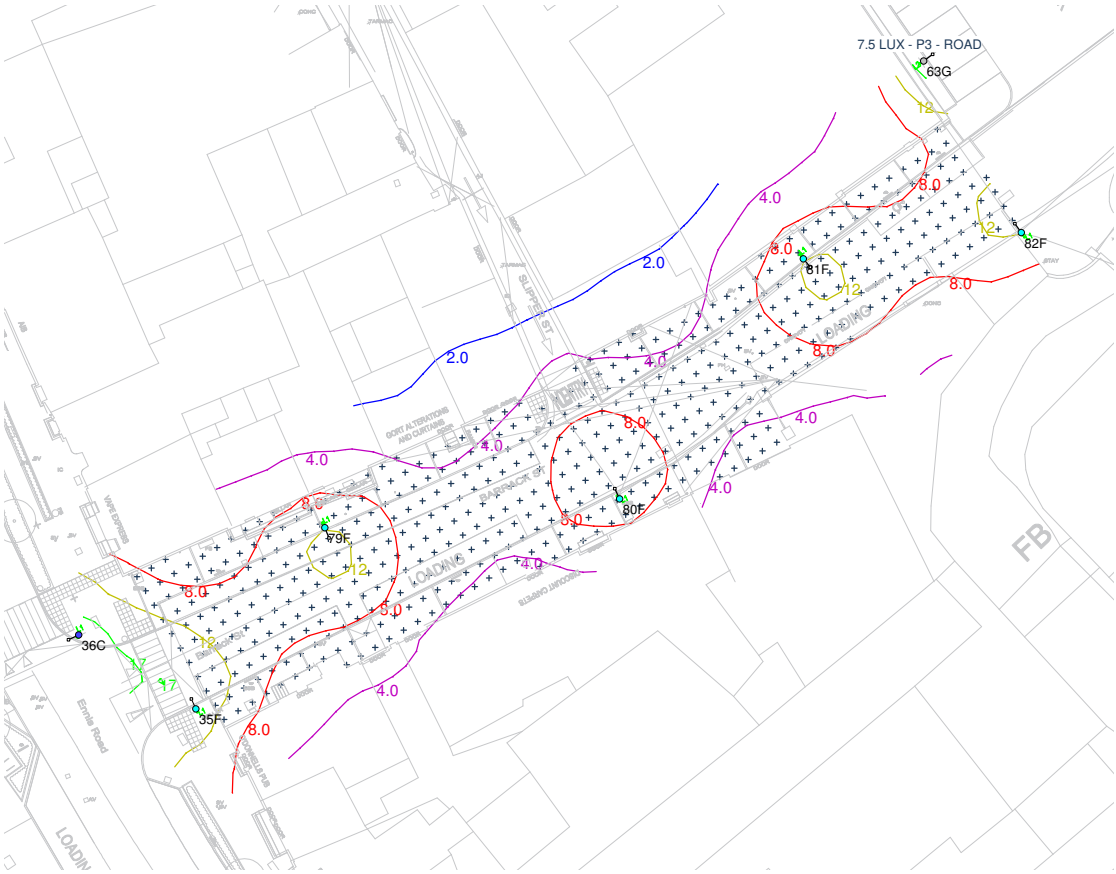


Results

Eav	15.15
Emin	6.87
Emax	36.15
Emin/Emax	0.19
Emin/Eav	0.45

Horizontal Illuminance (lux)

7.5 LUX - P3 - ROAD

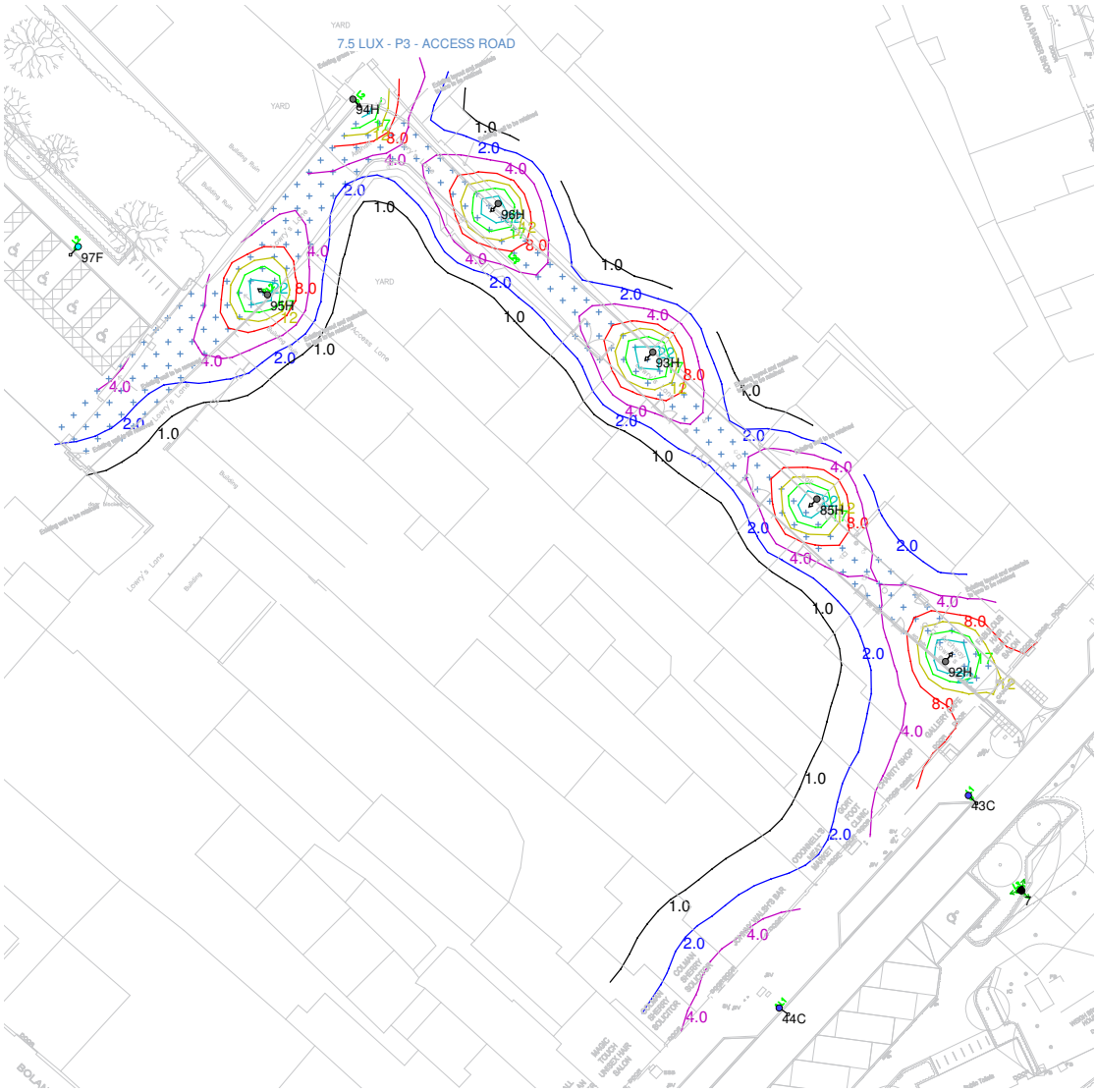


Results

Eav	7.73
Emin	3.18
Emax	15.16
Emin/Emax	0.21
Emin/Eav	0.41

Horizontal Illuminance (lux)

7.5 LUX - P3 - ACCESS ROAD



Results

Eav	7.65
Emin	1.50
Emax	29.96
Emin/Emax	0.05
Emin/Eav	0.20

Horizontal Illuminance (lux)

10 LUX - CAR PARK

Results

Eav	11.56
Emin	2.89
Emax	21.47
Emin/Emax	0.13
Emin/Eav	0.25

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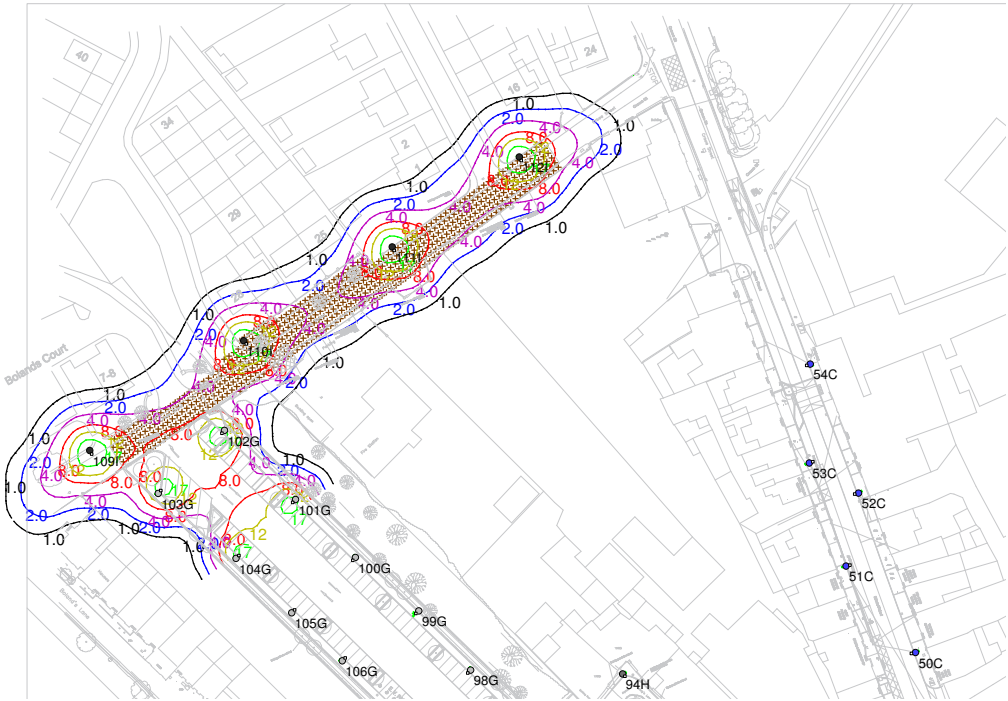
Horizontal Illuminance (lux)

7.5 LUX - P3 - ROAD

7.5 LUX - P3 - ROAD



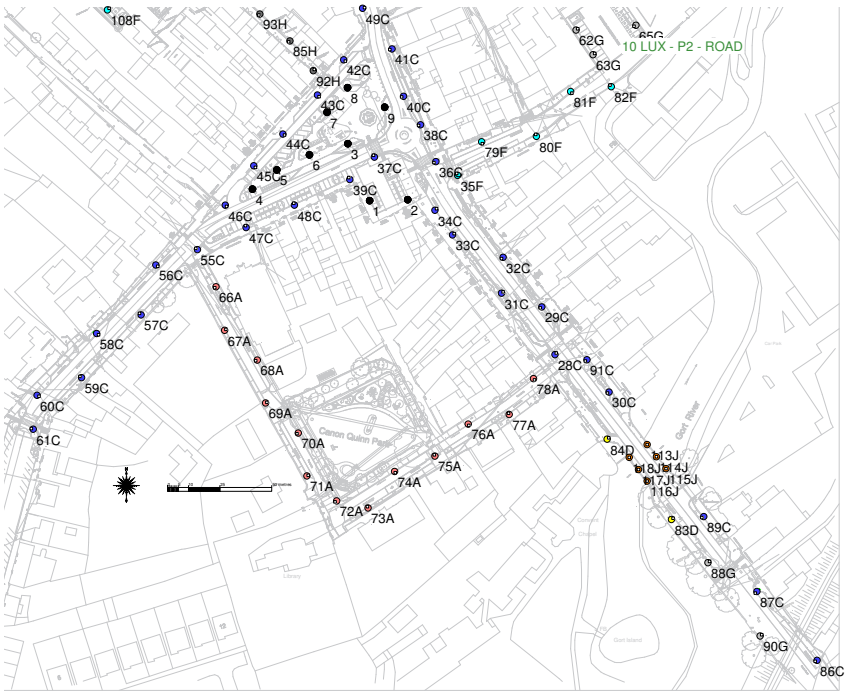
Results

Eav	7.69
Emin	2.42
Emax	21.08
Emin/Emax	0.11
Emin/Eav	0.31

9196963704

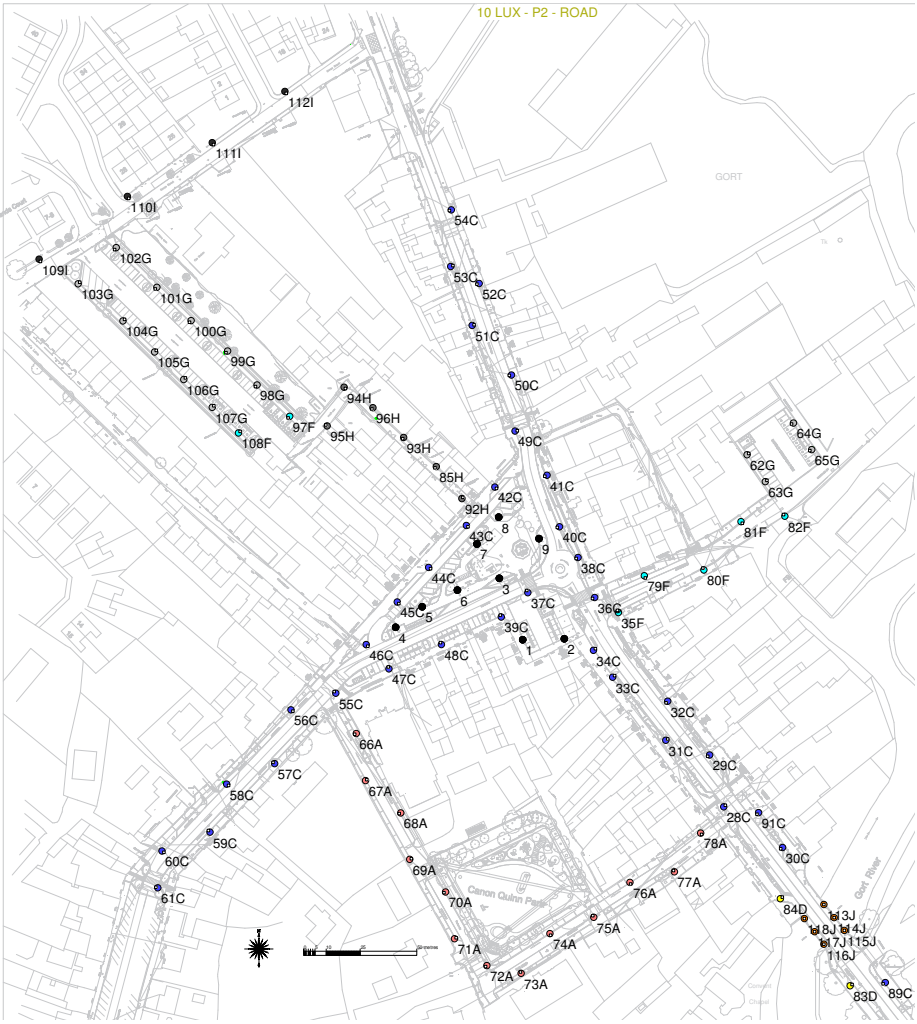
Horizontal Illuminance (lux)

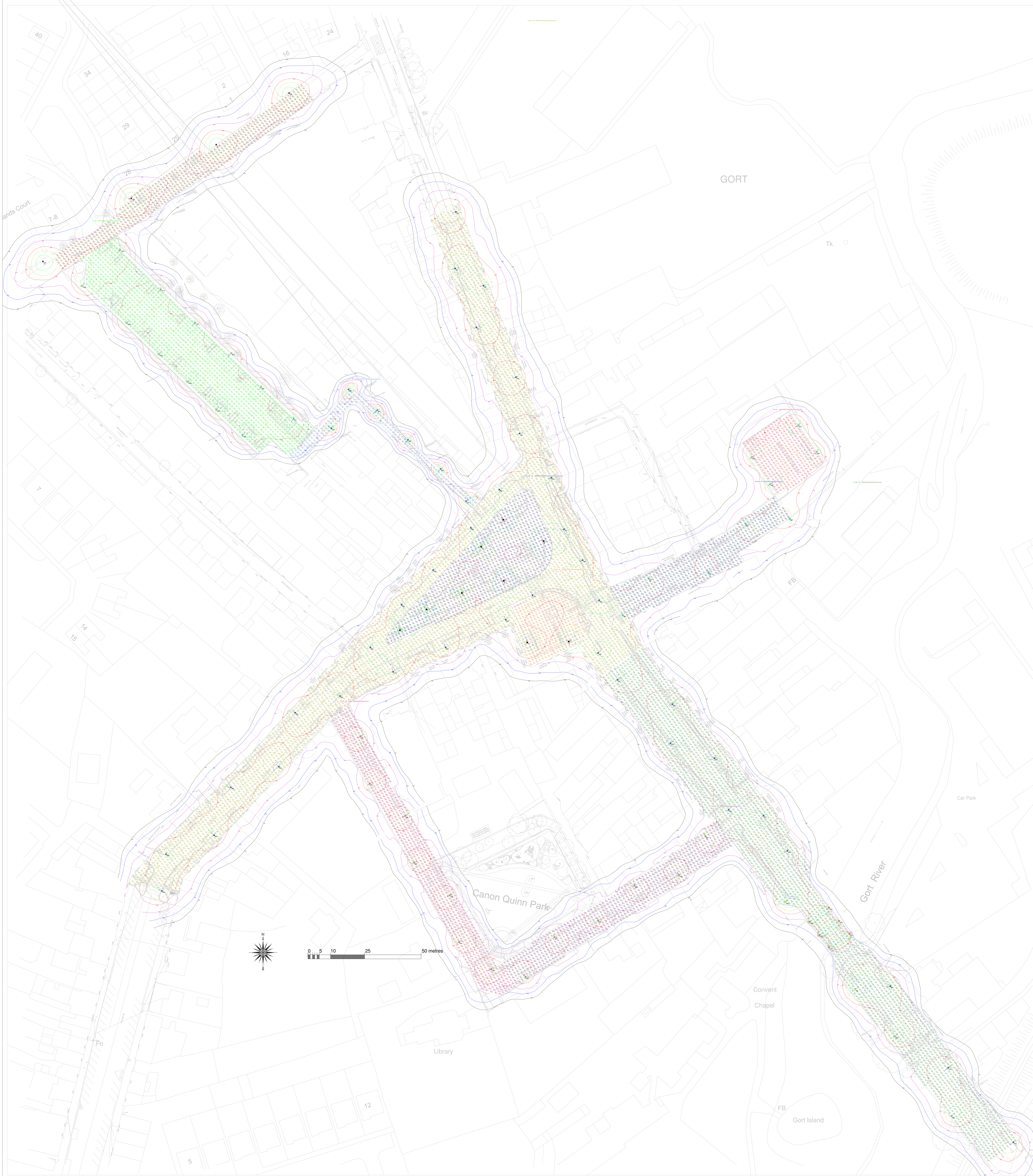
10 LUX - P2 - ROAD



Horizontal Illuminance (lux)

10 LUX - P2 - ROAD





Schréder
Experts in lightability™

PROJECT NAME:
Gort Public Realm, Co. Galway

PROJECT No:
OP227139LD20580

SCALE: **1:550**
DATE: **18 October 2024**

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
Jacek Maslowski

The scheme has been designed to:

Roads and footpaths // BS 5489-1:2020, P2
10 - 15 lux average, 2 lux minimum

Roads and footpaths // BS 5489-1:2020, P3
7.50 - 11.25 lux average, 1.50 lux minimum

Roads and footpaths // BS 5489-1:2020, C4
10 lux average, 40% uniformity

Car Park // BS EN 12464-2:2014, 5.9.2
10 lux average, 25% uniformity

Maintenance factor calculated as per GN11:
>6m = 0.89 <6m = 0.81

This design has been prepared in accordance with the HEA/HEMSA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 for an outline design. The information in this report does not account for installation considerations, site conditions or provide any form of risk assessment. Urbis' design service is advisory only and it is the responsibility of the recipient of this information to verify that the design is suitable for the intended application. No account is taken for the blocking effect caused by buildings, trees etc. The calculation shown assumes that the whole area considered is in the same plane.

PREPARED BY:

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FILE NAME
C:\Users\jmaslowski\OneDrive - Schréder SA\GBU_Lighting Scheme Archive\OP0220000\OP000227139 Gort Public Realm, Co. Galway\LD20580\Design\OP227139LD20580 Gort Public Realm, Co. Galway.rtma

Results 10 LUX - P2 - ROAD	
Eav	10.14
Emin	2.03
Emax	41.58
Emin/Emax	0.05
Emin/Eav	0.20
Results 10 LUX - P2 - ROAD	
Eav	11.31
Emin	2.85
Emax	28.46
Emin/Emax	0.10
Emin/Eav	0.25
Results 10 LUX - C4 - MARKET SQUARE	
Eav	11.20
Emin	4.89
Emax	28.51
Emin/Emax	0.17
Emin/Eav	0.44
Results 10 LUX - CAR PARK	
Eav	12.76
Emin	5.57
Emax	22.67
Emin/Emax	0.25
Emin/Eav	0.44
Results 7.5 LUX - P3 - ROAD	
Eav	7.93
Emin	2.52
Emax	16.30
Emin/Emax	0.15
Emin/Eav	0.32
Results 7.5 LUX - P3 - ROAD	
Eav	7.62
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Emax	16.04
Emin/Emax	0.16
Emin/Eav	0.34
Results 10 LUX - C4 - MARKET SQUARE	
Eav	15.15
Emin	6.87
Emax	36.15
Emin/Emax	0.19
Emin/Eav	0.45
Results 7.5 LUX - P3 - ROAD	
Eav	7.73
Emin	3.18
Emax	15.16
Emin/Emax	0.21
Emin/Eav	0.41
Results 7.5 LUX - P3 - ACCESS ROAD	
Eav	7.65
Emin	1.50
Emax	29.96
Emin/Emax	0.05
Emin/Eav	0.20
Results 10 LUX - CAR PARK	
Eav	11.56
Emin	2.89
Emax	21.47
Emin/Emax	0.13
Emin/Eav	0.25
Results 7.5 LUX - P3 - ROAD	
Eav	7.69
Emin	2.42
Emax	21.08
Emin/Emax	0.11
Emin/Eav	0.31

	Luminaire A	Luminaire B	Luminaire C	Luminaire D	Luminaire E	Luminaire F	Luminaire G	Luminaire H	Luminaire I	Luminaire J
Supplier	Schréder	Schréder	Schréder	Schréder	Schréder	Schréder	Schréder	Schréder	Schréder	Schréder
Type	HESTIA GEN2 MINI 5393 Flat glass, 20 LEDs@430mA WW 727 2...	VALINTA CURVE MINI 6665 Flat glass Wide beam 16 OSLON S...	HESTIA GEN2 MIDI 5393 [Flat glass] [Lum. shape-related, Stee...	HESTIA GEN2 MIDI 5393 Flat glass, 40 LEDs@400mA WW 722 2...	VALINTA CURVE MIDI 5393 [Flat glass] [Lum. shape-related, Pl...	HESTIA GEN2 MIDI 5393 [Flat glass] [Lum. shape-related, Stee...	HESTIA GEN2 MINI 5393 Flat glass, 30 LEDs@370mA WW 722 2...	HESTIA GEN2 MINI 5392 Flat glass, 10 LEDs@350mA WW 727 2...	HESTIA GEN2 MIDI 5392 Flat glass, 40 LEDs@410mA WW 730 2...	SCULPLINE B50 6291 Diffuser P25 striated 20 OSLON SSL 150A...
Lamp(s)	20 LEDs@430mA WW 727 230V 1x00-14-564 - DRIVER_OSRAM...	16 OSLON SQUARE GIANT@900mA WW 830 230V 1x00-53-397 -...	40 LH351C@319mA WW 730 230V 1x02-58-001 - DRIVER_SIGN...	40 LEDs@400mA WW 722 230V 1x02-58-001 - DRIVER_SIGNIF...	20 LH351C@180mA WW 730 230V 1x00-53-398 - DRIVER_OSR...	40 LH351C@230mA WW 730 230V 1x02-58-001 - DRIVER_SIGN...	30 LEDs@370mA WW 722 230V 1x00-14-564 - DRIVER_OSRAM...	10 LEDs@350mA WW 727 230V 1x01-37-041 - DRIVER_SIGNIF...	40 LEDs@410mA WW 730 230V 1x02-58-001 - DRIVER_SIGNIF...	20 OSLON SSL 150A @350mA WW 827 230V
Lamp Flux (klm)	3.32	0.51	5.52	5.59	1.61	4.13	3.94	1.43	7.01	1.83
Maintenance Factor	0.81	0.81	0.89	0.81	0.81	0.89	0.89	0.81	0.89	0.81
No. in Project	13	12	37	2	15	7	16	6	4	6

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