

DATE: 24 June 2024
DESIGNER: WB
PROJECT No: OP241123LD20178 Longwater Ave.
PROJECT NAME: OP241123LD20178 Longwater Ave.

Urbis Schröder | Design


Designed to BS5489-1:2020, Category P4
1lux minimum illuminance & between 5-7.5lux average illuminance.

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.

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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	Grid 1	469998.00	170024.00	285.00	108.00	1.50	1.50
2	Grid 2	469827.00	169769.00	104.00	326.00	1.49	1.50
3	Grid 3	469896.00	169460.00	109.00	302.00	1.49	1.50
4	Grid 4	469970.00	169384.00	269.00	95.00	1.49	1.48

Luminaires



Luminaire A Data

Supplier	Urbis
Type	AMPERA EVO 1 5300 Flat glass 10 LEDs @300mA NW 740 230V 03-55
Lamp(s)	10 LEDs@300mA NW 740 230V 03-55-699
LampFlux(klm)/Colour	1.42 NW 4000K/70
File Name	AMPERA EVO 1 5300 10 LEDs 300mA NW 740 10.2W 504372 Flat glass 230V TF .ldt
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	1226.8, 42.2, 0.0
No. in Project	28

Layout

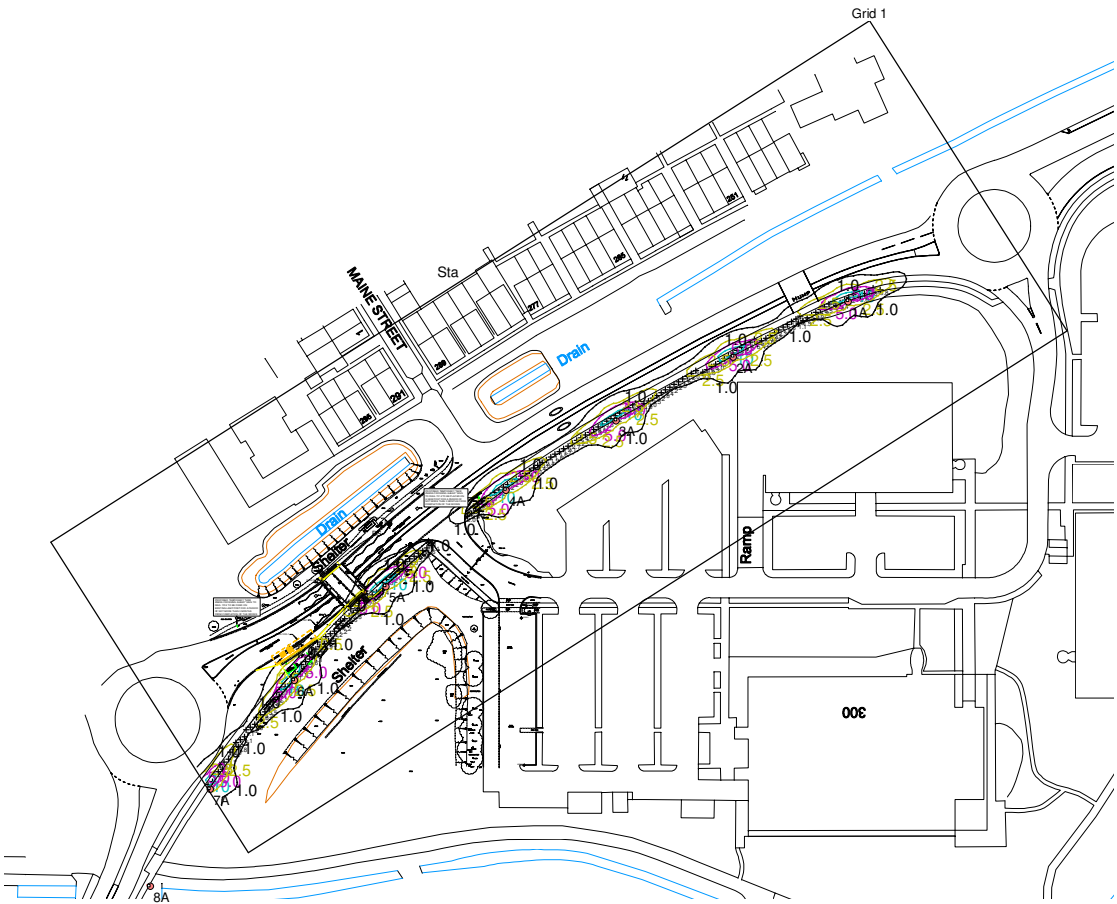
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	470174.08	170185.72	6.00	108.00	0.00	0.00	0.50			
2	A	470140.38	170169.41	6.00	116.00	0.00	0.00	0.50			
3	A	470105.98	170150.71	6.00	122.00	0.00	0.00	0.50			
4	A	470073.57	170130.30	6.00	123.00	0.00	0.00	0.50			
5	A	470038.36	170102.07	6.00	130.00	0.00	0.00	0.50			
6	A	470011.46	170074.50	6.00	142.00	0.00	0.00	0.50			
7	A	469986.82	170042.55	6.00	147.00	0.00	0.00	0.50			
8	A	469969.23	170014.08	6.00	157.00	0.00	0.00	0.50			
9	A	469949.28	169972.17	6.00	152.00	0.00	0.00	0.50			
10	A	469934.39	169935.76	6.00	155.00	0.00	0.00	0.50			
11	A	469921.88	169898.54	6.00	163.00	0.00	0.00	0.50			
12	A	469912.04	169859.50	6.00	167.00	0.00	0.00	0.50			
13	A	469905.25	169820.82	6.00	175.00	0.00	0.00	0.50			
14	A	469901.80	169781.56	6.00	178.00	0.00	0.00	0.50			
15	A	469902.08	169739.10	6.00	184.00	0.00	0.00	0.50			
16	A	469905.31	169698.59	6.00	185.00	0.00	0.00	0.50			
17	A	469911.08	169659.15	6.00	192.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
18	A	469920.26	169620.22	6.00	194.00	0.00	0.00	0.50			
19	A	469932.53	169582.19	6.00	197.00	0.00	0.00	0.50			
20	A	469945.14	169544.85	6.00	202.00	0.00	0.00	0.50			
21	A	469957.26	169507.85	6.00	197.00	0.00	0.00	0.50			
22	A	469996.03	169460.11	6.00	238.00	0.00	0.00	0.50			
23	A	470031.32	169446.85	6.00	249.00	0.00	0.00	0.50			
24	A	470069.51	169435.14	6.00	250.00	0.00	0.00	0.50			
25	A	470106.36	169426.35	6.00	267.00	0.00	0.00	0.50			
26	A	470142.89	169432.54	6.00	292.00	0.00	0.00	0.50			
27	A	470172.69	169453.70	6.00	315.00	0.00	0.00	0.50			
28	A	470200.24	169480.69	6.00	319.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1

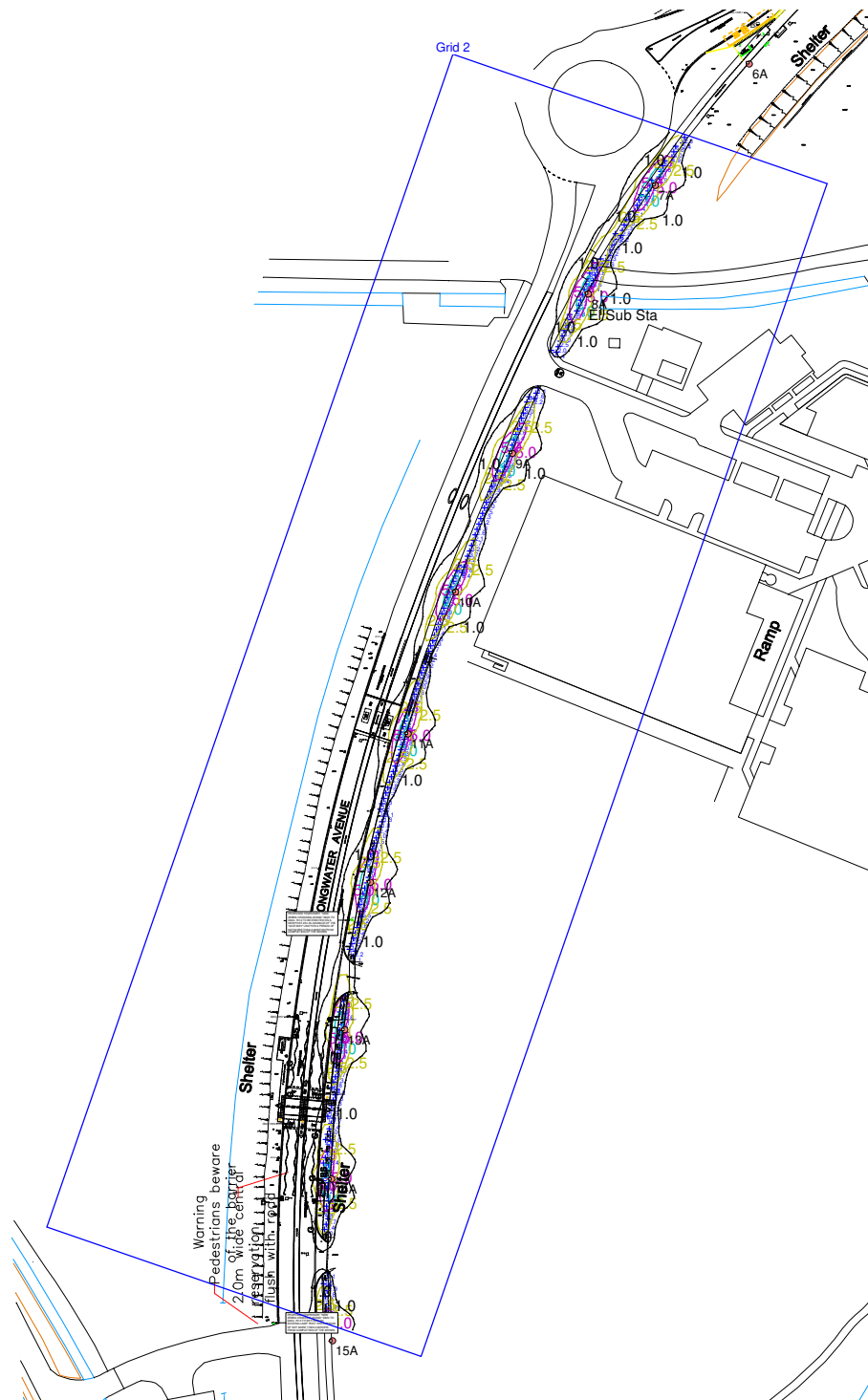


Results

Eav	5.53
Emin	1.07
Emax	12.92
Emin/Emax	0.08
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 2

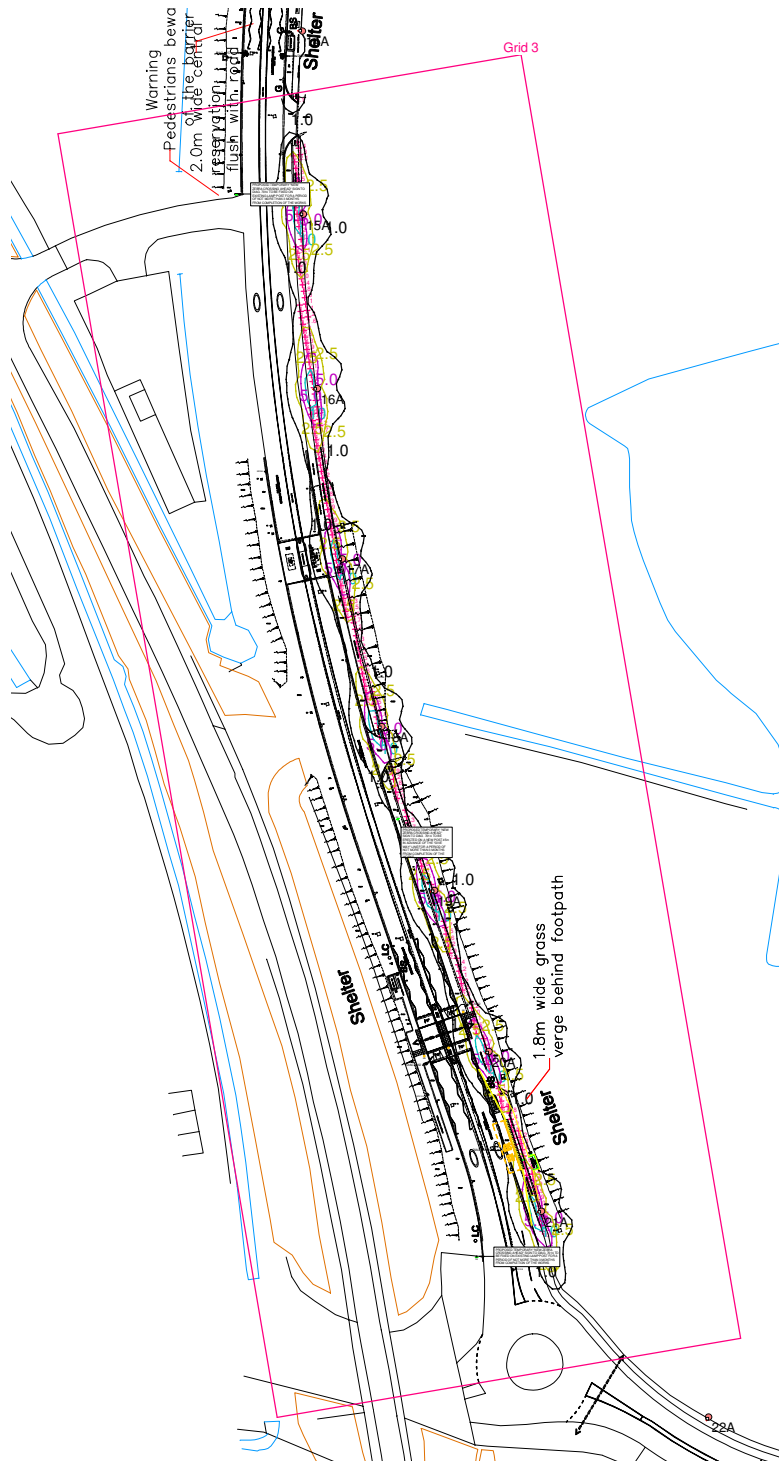


Results

Eav	5.77
Emin	1.07
E _{max}	13.05
E _{min} /E _{max}	0.08
E _{min} /E _{av}	0.18

Horizontal Illuminance (lux)

Grid 3

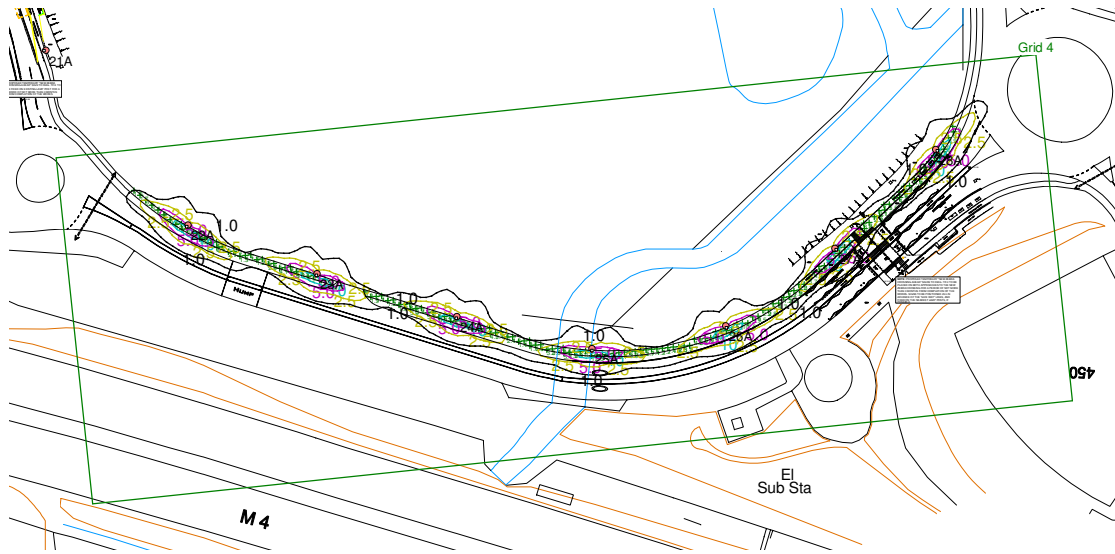


Results

Eav	5.28
Emin	1.06
Emax	13.07
Emin/Emax	0.08
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 4



Results

Eav	5.77
Emin	1.01
Emax	13.07
Emin/Emax	0.08
Emin/Eav	0.18