

DATE: 15 November 2023
DESIGNER: Daniel McDonnell
PROJECT No: 2972
PROJECT NAME: Oldtown

**LIGHTING
REALITY**

Outdoor Lighting Report

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	Oldtown Development	-311.20	233.86	84.77	245.83	1.32	1.50
2	Residential Green Space Fo...	-115.17	320.63	29.08	38.37	1.45	1.48
3	Rear Steps & Ramp	-270.99	272.23	26.14	31.10	1.45	1.48
4	Main Development Roadway	-259.24	247.39	18.67	180.05	1.44	1.49

Luminaires



Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@600mA
Lamp(s)	16 OSLO N SQUARE GIANT@600mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	4.28 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLO N SQUARE GIANT 6 00mA NW 740 31W 434362 Integrated lens...
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	17



Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 4 OSLO N SQUARE GIANT@500mA N
Lamp(s)	4 OSLO N SQUARE GIANT@500mA NW 740 230V 01-37-037
LampFlux(klm)/Colour	0.91 NW 4000K/70
File Name	AXIA 2.1 5167 4 OSLO N SQUARE GIANT 50 0mA NW 740 8W 434362 Integrated lenses ...
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	9



Luminaire C Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLO N SQUARE GIANT@760mA
Lamp(s)	16 OSLO N SQUARE GIANT@760mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	5.20 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLO N SQUARE GIANT 7 60mA NW 740 39W 434362 Integrated lens...
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	6

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	-161.51	371.24	6.00	228.00	0.00	0.00	1.00	100%			
2	A	-144.57	369.40	6.00	318.00	0.00	0.00	1.00	100%			
3	C	-131.59	387.16	8.00	16.00	0.00	0.00	1.00	100%			
4	C	-125.29	366.28	8.00	16.00	0.00	0.00	1.00	100%			
5	B	-188.52	261.83	6.00	47.00	0.00	0.00	0.40	100%			
6	B	-181.52	272.57	6.00	141.00	0.00	0.00	0.40	100%			
7	A	-176.36	333.97	6.00	314.00	0.00	0.00	1.00	100%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
8	A	-162.64	349.35	6.00	317.00	0.00	0.00	1.00	100%			
9	A	-195.03	314.23	6.00	318.00	0.00	0.00	1.00	100%			
10	A	-209.05	298.99	6.00	318.00	0.00	0.00	1.00	100%			
11	A	-226.47	279.67	6.00	320.00	0.00	0.00	1.00	100%			
12	A	-231.91	253.16	6.00	133.00	0.00	0.00	1.00	100%			
13	A	-254.78	208.28	6.00	139.00	0.00	0.00	1.00	100%			
14	A	-235.94	228.70	6.00	141.00	0.00	0.00	1.00	100%			
15	C	-136.21	403.22	8.00	16.00	0.00	0.00	1.00	100%			
16	B	-139.66	342.43	6.00	45.00	0.00	0.00	0.40	100%			
17	A	-236.69	283.76	6.00	230.00	0.00	0.00	0.60	100%			
18	B	-201.46	274.12	6.00	50.00	0.00	0.00	0.40	100%			
19	B	-157.52	296.08	6.00	232.00	0.00	0.00	0.40	100%			
20	B	-168.49	305.44	6.00	231.00	0.00	0.00	0.40	100%			
22	B	-218.86	226.69	6.00	229.00	0.00	0.00	0.40	100%			
23	C	-114.35	326.18	8.00	16.00	0.00	0.00	1.00	100%			
24	A	-246.11	292.15	6.00	230.00	0.00	0.00	0.60	100%			
25	A	-244.14	268.12	6.00	317.00	0.00	0.00	0.60	100%			
26	A	-254.71	283.92	6.00	324.00	0.00	0.00	0.60	90%			
28	A	-259.82	264.99	6.00	92.00	0.00	0.00	0.60	100%			
29	B	-123.90	328.15	6.00	47.00	0.00	0.00	0.40	100%			
30	A	-265.04	273.13	6.00	313.00	0.00	0.00	0.60	100%			
31	B	-168.35	287.17	6.00	137.00	0.00	0.00	0.40	100%			
32	A	-248.54	276.13	6.00	320.00	0.00	0.00	0.60	100%			
33	C	-122.14	355.25	8.00	9.00	0.00	0.00	1.00	100%			
34	C	-117.93	340.25	8.00	12.00	0.00	0.00	1.00	100%			

Horizontal Illuminance (lux)

Oldtown Development

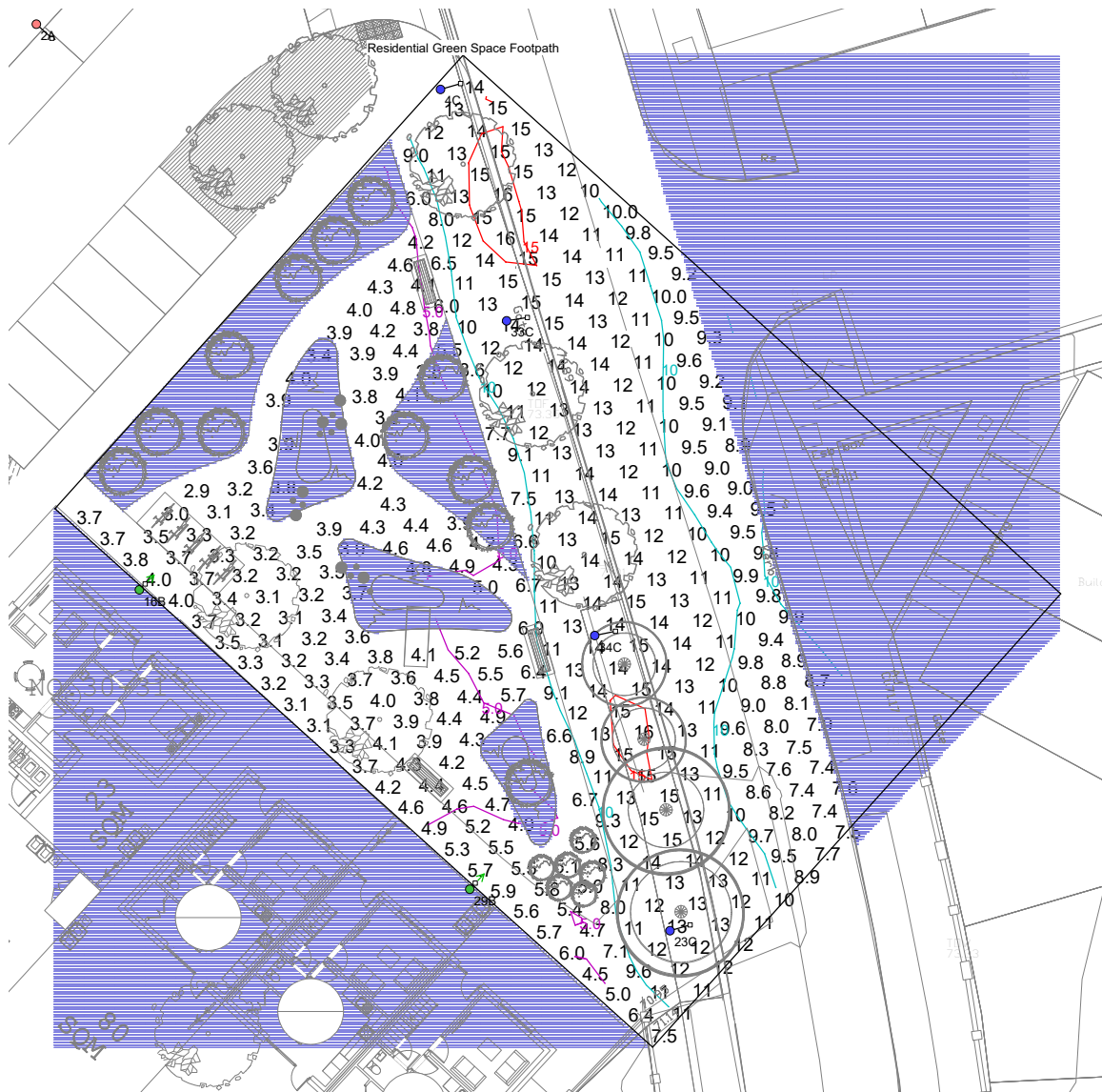


Results

Eav	8.16
Emin	1.17
Emax	33.99
Emin/Emax	0.03
Emin/Eav	0.14

Horizontal Illuminance (lux)

Residential Green Space Footpath

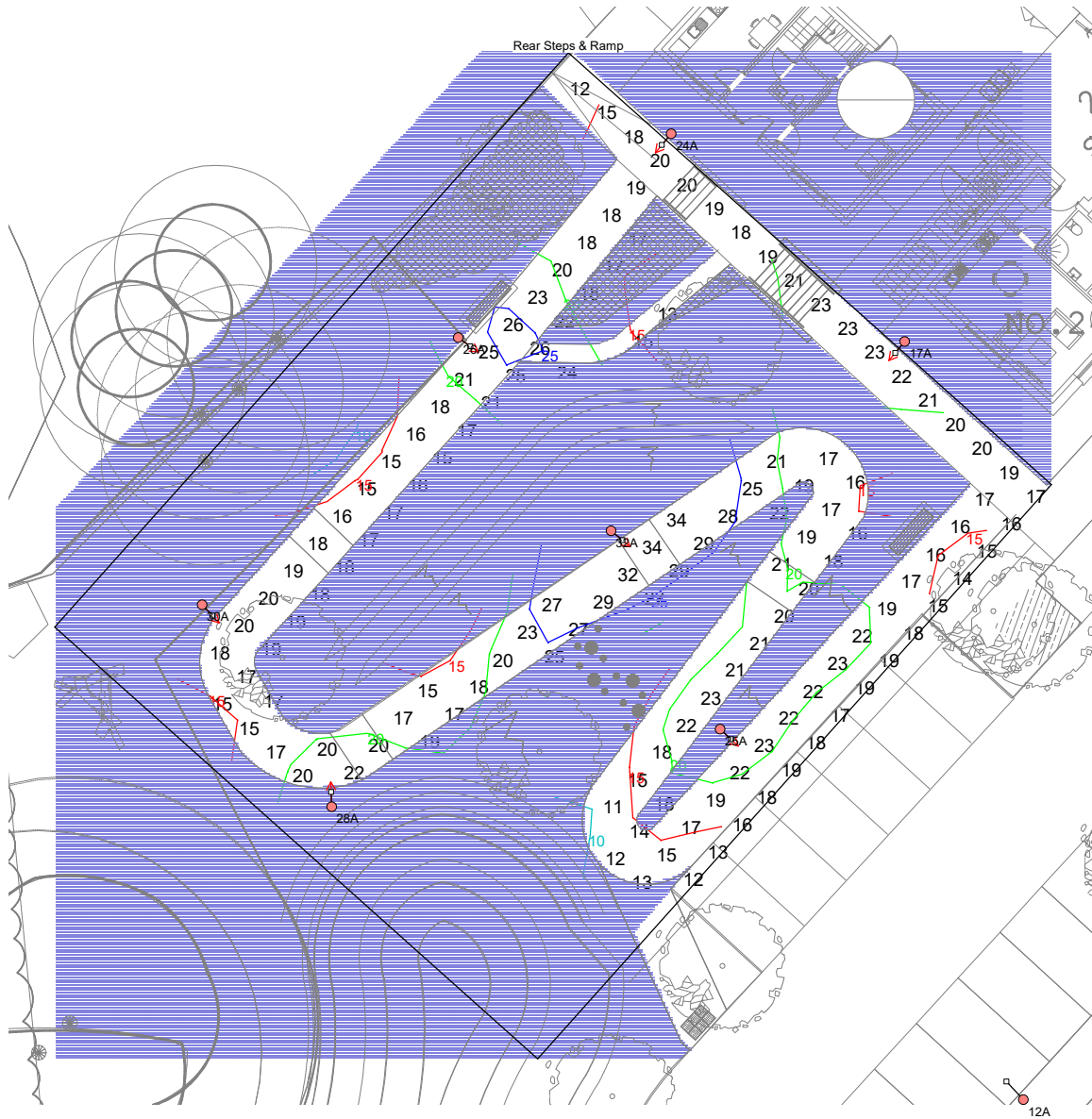


Results

Eav	8.83
Emin	2.91
Emax	16.23
Emin/Emax	0.18
Emin/Eav	0.33

Horizontal Illuminance (lux)

Rear Steps & Ramp

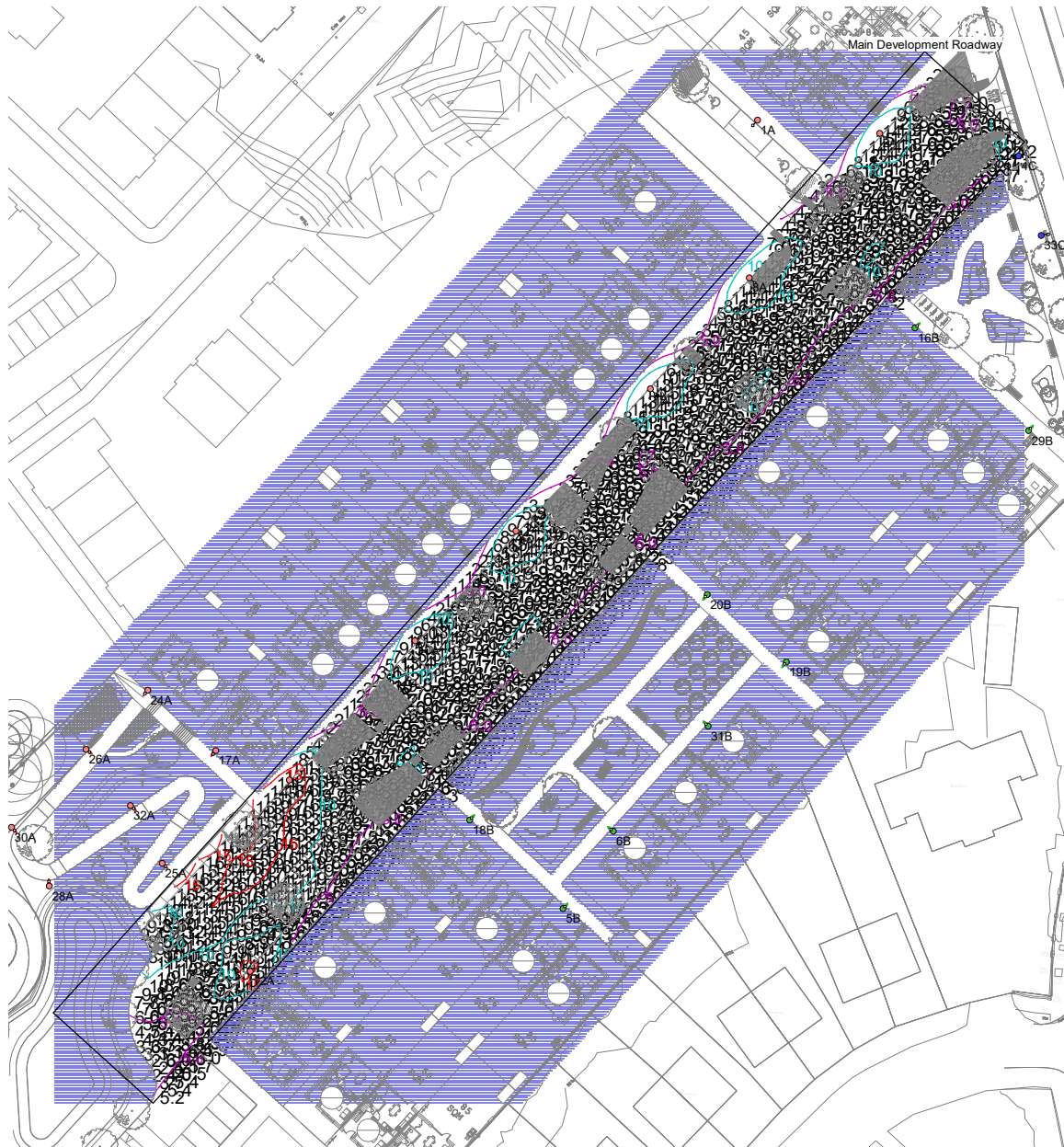


Results

Eav	19.37
Emin	11.14
Emax	33.77
Emin/Emax	0.33
Emin/Eav	0.58

Horizontal Illuminance (lux)

Main Development Roadway



Results

Eav	7.99
Emin	1.52
Emax	19.10
Emin/Emax	0.08
Emin/Eav	0.19