

DATE: 1 May 2024
DESIGNER: Daniel McDonnell
PROJECT No: 2972
PROJECT NAME: Development at Forbes Lane

**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	Communal Area	-39.05	-15.14	33.63	40.76	1.46	1.46
2	Forbes Lane	-27.23	41.11	62.29	17.45	1.52	1.45
3	Marrowbone Lane Access	-44.64	-41.59	55.71	26.96	1.47	1.50
4	Forbes Lane Access	-69.60	-19.67	28.63	82.56	1.43	1.47
5	Marrowbone Lane	2.99	-23.78	19.41	57.03	1.49	1.46

Luminaires

Luminaire A 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 740 230V 00-36-648
LampFlux(klm)/Colour	5.20 NW 3000K/70
File Name	AXIA 2.1 5167 16 OSLO N SQUARE GIANT 760mA NW 740 39W 434362 Integrated le...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	12

Luminaire B Data



Supplier	Urbis Schreder
Type	FLEXIA TOP 5304 Deep shape PC 20 LH3 51C@200mA WW 730 230V
Lamp(s)	20 LH351C@200mA WW 730 230V
LampFlux(klm)/Colour	1.82 WW 3000K/70
File Name	FLEXIA TOP 5304 20 LH351C 200mA WW 730 13.5W 445412 Deep shape PC 230V ...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	329.1, 124.0, 39.1
No. in Project	5

Layout

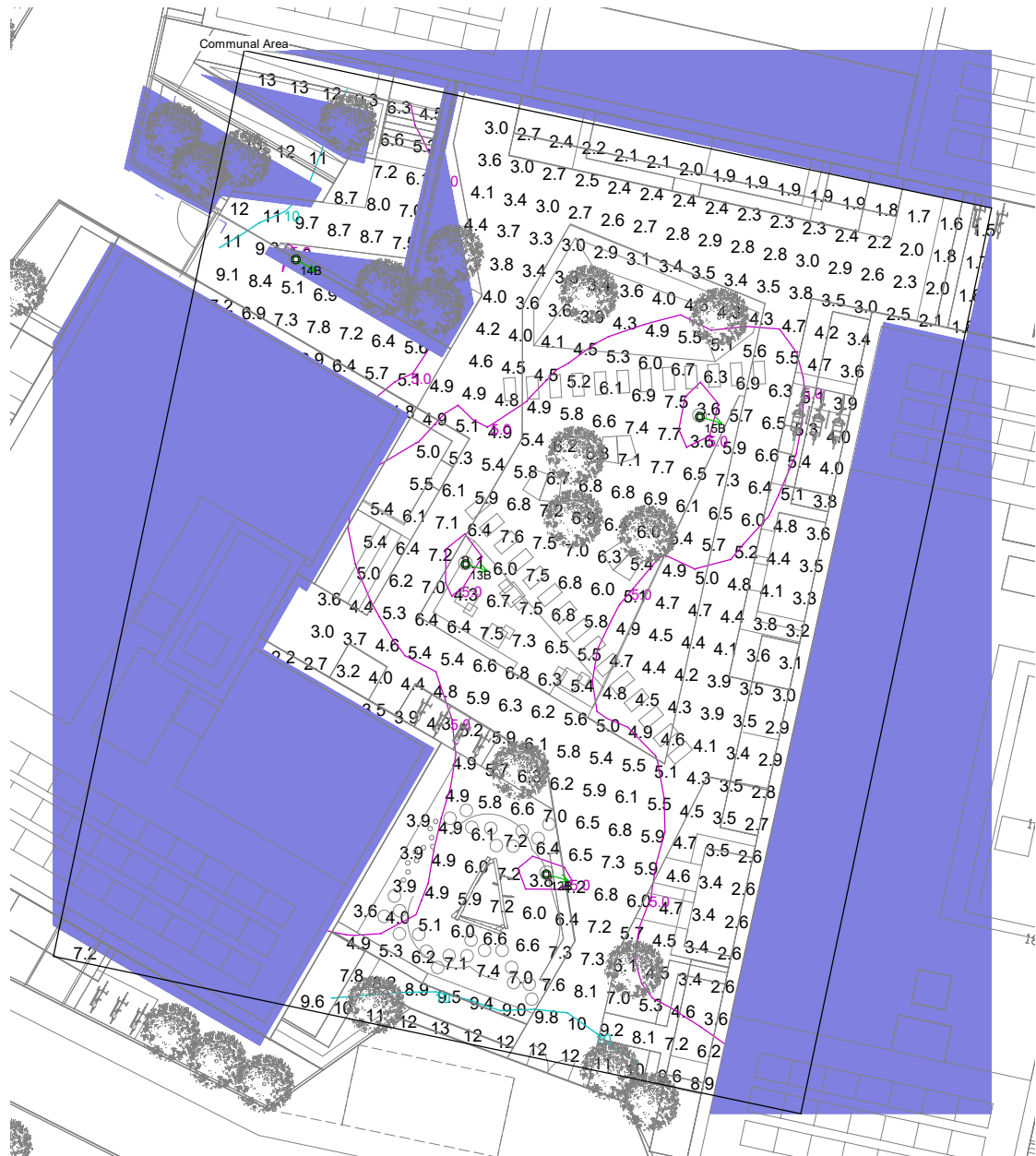
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	-35.60	-25.16	6.00	66.00	0.00	0.00	0.50			
2	A	-12.13	-31.32	6.00	75.00	0.00	0.00	0.50			
3	A	-61.80	-18.74	6.00	59.00	0.00	0.00	0.50			
4	A	-56.76	0.07	6.00	325.00	0.00	0.00	0.50			
5	A	-44.23	20.72	6.00	324.00	0.00	0.00	0.50			
6	A	-37.00	35.71	6.00	359.00	0.00	0.00	0.50			
7	B	-17.14	41.49	6.00	77.00	0.00	0.00	0.00			
8	A	-0.81	43.92	6.00	83.00	0.00	0.00	0.60			
9	A	18.74	41.92	6.00	77.00	0.00	0.00	0.60			
10	A	16.10	9.72	6.00	342.00	0.00	0.00	0.50			
11	A	10.62	-17.68	6.00	354.00	0.00	0.00	0.50			
12	B	-17.34	-11.52	6.00	344.00	0.00	0.00	0.00			
13	B	-20.90	2.13	6.00	344.00	0.00	0.00	0.00			
14	B	-28.37	15.55	6.00	328.00	0.00	0.00	0.00			
15	B	-10.59	8.61	6.00	344.00	0.00	0.00	0.00			
16	A	-0.32	-45.96	6.00	341.00	0.00	0.00	0.60			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
17	A	23.80	34.75	6.00	341.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Communal Area

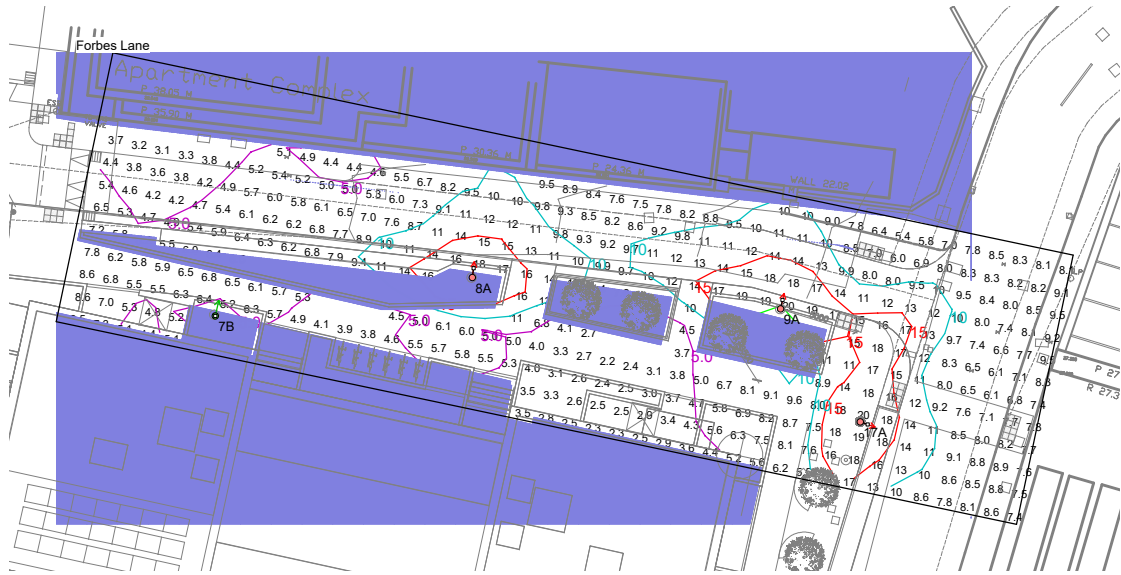


Results

Eav	5.36
Emin	1.52
Emax	13.39
Emin/Emax	0.11
Emin/Eav	0.28

Horizontal Illuminance (lux)

Forbes Lane

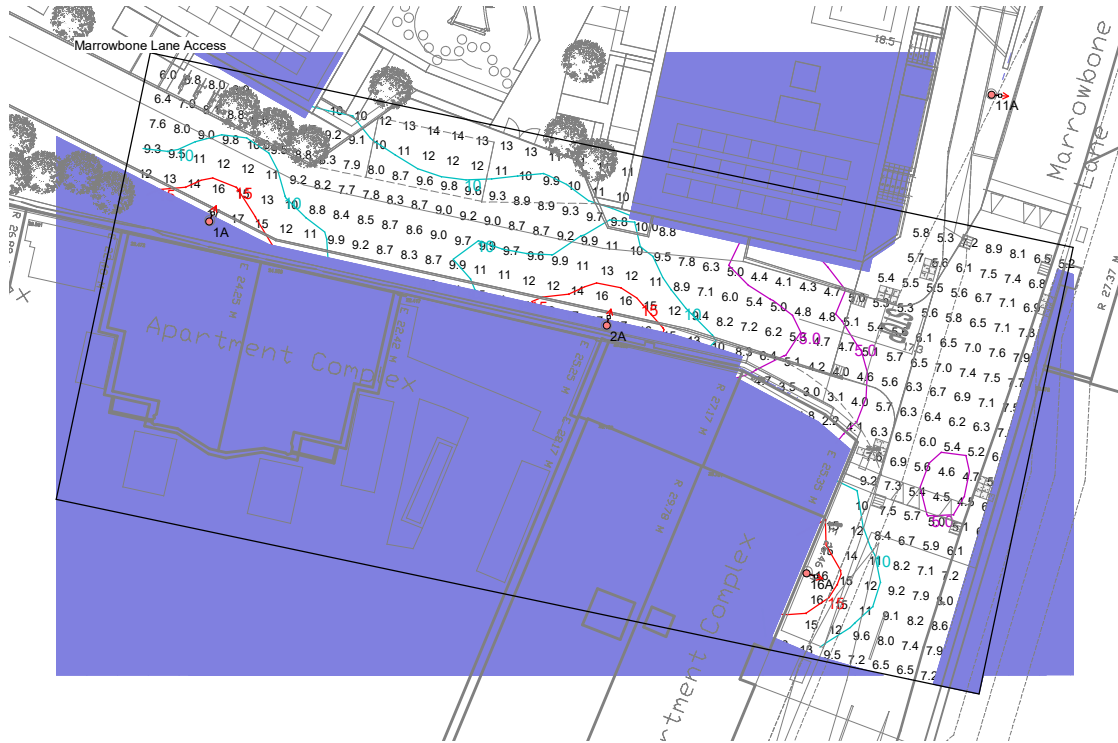


Results

Eav	8.42
Emin	2.15
Emax	19.67
Emin/Emax	0.11
Emin/Eav	0.26

Horizontal Illuminance (lux)

Marrowbone Lane Access

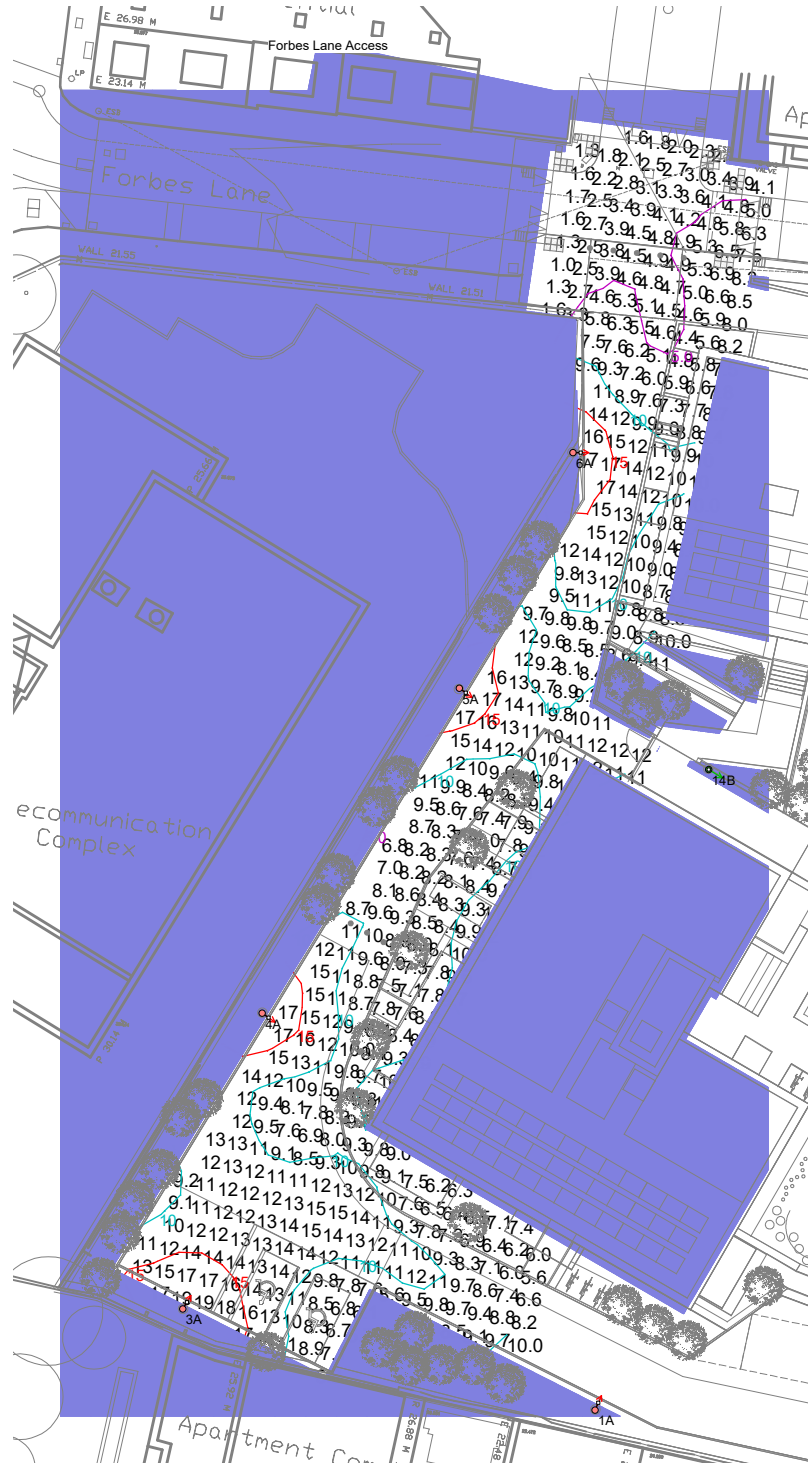


Results

Eav	8.72
Emin	1.77
Emax	17.48
Emin/Emax	0.10
Emin/Eav	0.20

Horizontal Illuminance (lux)

Forbes Lane Access



Results

Eav	9.26
Emin	0.99
Emax	19.06
Emin/Emax	0.05
Emin/Eav	0.11

