

DATE: 30 May 2024
DESIGNER: Daniel McDonnell
PROJECT No: 2972-CLB
PROJECT NAME: Development at Clonburris

**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	Clonburris Development	43.76	165.58	222.09	150.60	1.24	1.22
2	Central Communal Area	92.44	195.59	49.23	50.83	1.49	1.50
3	Outer Main Road	158.82	276.82	106.06	39.40	1.49	1.46
4	Inner Main Development Roa...	44.57	180.90	217.20	17.32	1.50	1.44

Luminaire

Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 24 OSLON SQUARE GIANT@500mA
Lamp(s)	24 OSLON SQUARE GIANT@500mA NW 74 0 230V 00-36-646
LampFlux(klm)/Colour	5.48 NW 4000K/70
File Name	AXIA 2.1 5167 24 OSLON SQUARE GIANT 5 00mA NW 740 37W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	2



Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLON SQUARE GIANT@400mA
Lamp(s)	16 OSLON SQUARE GIANT@400mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	3.00 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLON SQUARE GIANT 4 00mA NW 740 21W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	21



Luminaire C Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLON SQUARE GIANT@400mA
Lamp(s)	16 OSLON SQUARE GIANT@400mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	3.00 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSLON SQUARE GIANT 4 00mA NW 740 21W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	7



Luminaire D Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSLON SQUARE GIANT@600mA
Lamp(s)	16 OSLON 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 OSLON SQUARE GIANT 6 00mA NW 740 31W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	9



Layout

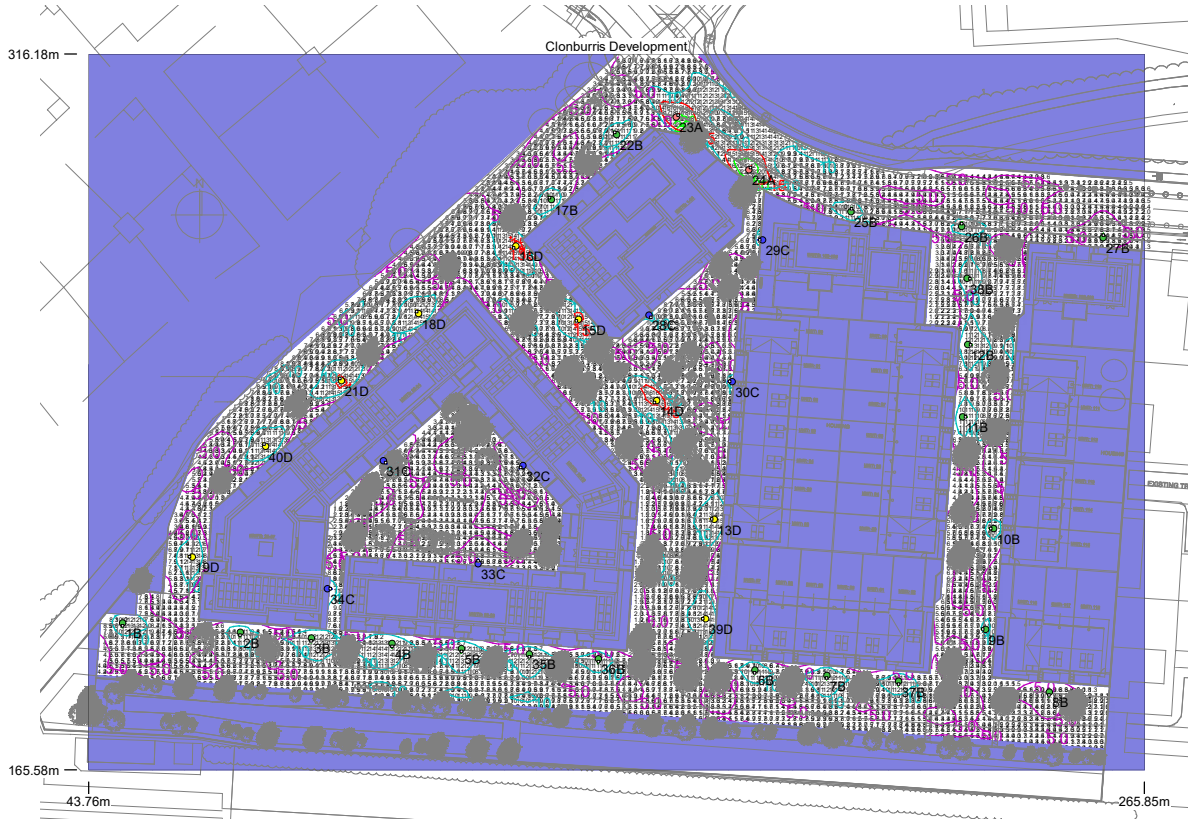
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	50.92	196.52	6.00	265.00	0.00	0.00	0.60			
2	B	75.64	194.55	6.00	267.00	0.00	0.00	0.60			
3	B	90.58	193.36	6.00	267.00	0.00	0.00	0.60			
4	B	107.59	192.20	6.00	267.00	0.00	0.00	0.60			
5	B	122.16	191.13	6.00	267.00	0.00	0.00	0.60			
6	B	183.85	186.64	6.00	267.00	0.00	0.00	0.60			
7	B	199.00	185.52	6.00	267.00	0.00	0.00	0.60			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
8	B	245.77	181.99	6.00	267.00	0.00	0.00	0.60			
9	B	232.43	195.19	6.00	177.00	0.00	0.00	0.60			
10	B	234.10	216.35	6.00	175.00	0.00	0.00	0.60			
11	B	227.58	239.87	6.00	357.00	0.00	0.00	0.60			
12	B	228.66	255.07	6.00	355.00	0.00	0.00	0.60			
13	D	175.36	218.30	6.00	172.00	0.00	0.00	0.60			
14	D	163.20	243.30	6.00	220.00	0.00	0.00	0.60			
15	D	146.78	260.41	6.00	219.00	0.00	0.00	0.60			
16	D	133.58	275.78	6.00	219.00	0.00	0.00	0.60			
17	B	141.09	285.53	6.00	130.00	0.00	0.00	0.60			
18	D	113.16	261.58	6.00	132.00	0.00	0.00	0.60			
19	D	65.58	210.35	6.00	172.00	0.00	0.00	0.60			
21	D	96.93	247.44	6.00	126.00	0.00	0.00	0.60			
22	B	154.82	299.24	6.00	131.00	0.00	0.00	0.60			
23	A	167.32	302.89	6.00	49.00	0.00	0.00	0.60			
24	A	182.61	291.79	6.00	59.00	0.00	0.00	0.60			
25	B	204.04	283.00	6.00	76.00	0.00	0.00	0.60			
26	B	227.35	279.89	6.00	87.00	0.00	0.00	0.60			
27	B	257.13	277.52	6.00	89.00	0.00	0.00	0.60			
28	C	161.61	261.25	6.00	313.00	0.00	0.00	0.60			
29	C	185.52	277.09	6.00	179.00	0.00	0.00	0.60			
30	C	179.13	247.27	6.00	177.00	0.00	0.00	0.60			
31	C	105.74	230.64	6.00	320.00	0.00	0.00	0.60			
32	C	135.06	229.62	6.00	224.00	0.00	0.00	0.60			
33	C	125.65	208.95	6.00	90.00	0.00	0.00	0.60			
34	C	94.00	203.75	6.00	355.00	0.00	0.00	0.60			
35	B	136.46	190.00	6.00	267.00	0.00	0.00	0.60			
36	B	150.97	188.96	6.00	267.00	0.00	0.00	0.60			
37	B	214.11	184.27	6.00	267.00	0.00	0.00	0.60			
38	B	228.50	268.98	6.00	355.00	0.00	0.00	0.60			
39	D	173.48	197.40	6.00	179.00	0.00	0.00	0.60			
40	D	80.99	233.64	6.00	128.00	0.00	0.00	0.60			

Horizontal Illuminance (lux)

Clonburris Development

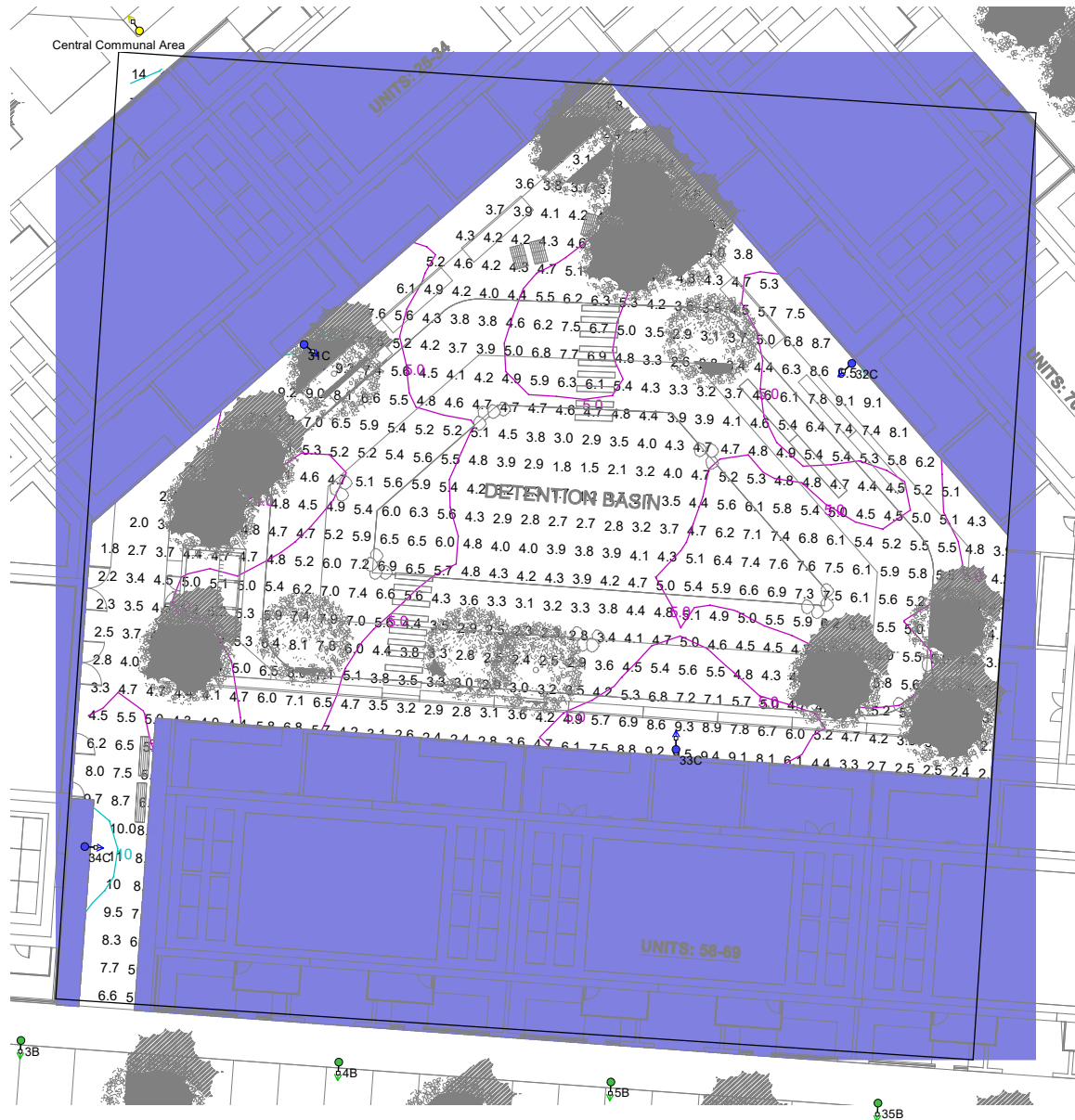


Results

Eav	7.03
Emin	0.67
E _{max}	22.55
Emin/E _{max}	0.03
Emin/Eav	0.10

Horizontal Illuminance (lux)

Central Communal Area

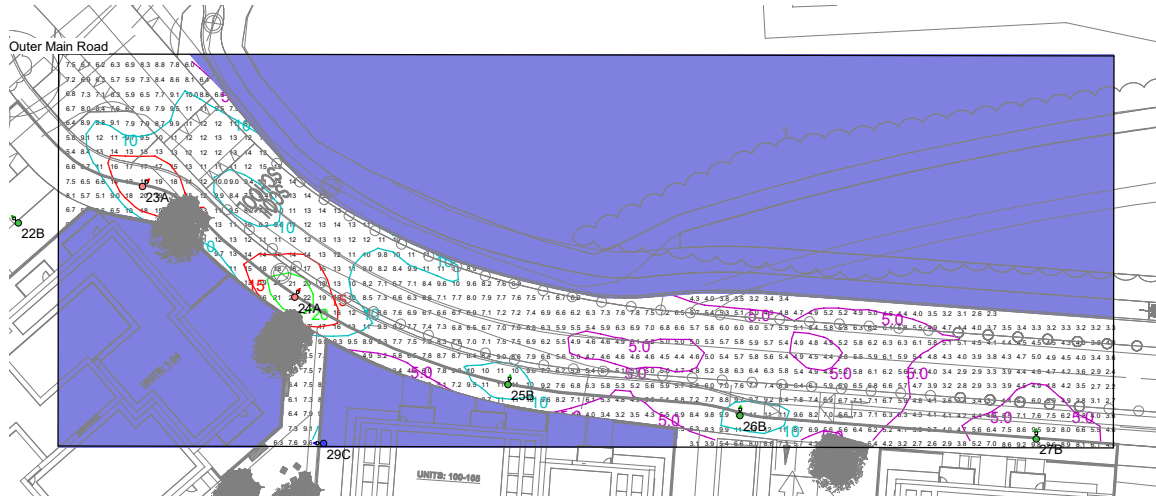


Results

Eav	5.04
Emin	1.25
Emax	14.36
Emin/Emax	0.09
Emin/Eav	0.25

Horizontal Illuminance (lux)

Outer Main Road

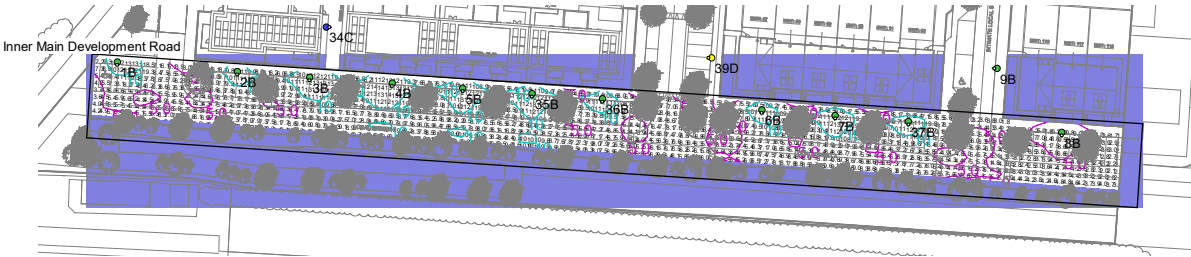


Results

Eav	7.91
Emin	2.20
Emax	22.17
Emin/Emax	0.10
Emin/Eav	0.28

Horizontal Illuminance (lux)

Inner Main Development Road



Results

Eav	7.24
Emin	1.23
Emax	14.05
Emin/Emax	0.09
Emin/Eav	0.17