

DATE: 8 April 2024

DESIGNER:

PROJECT No: 2972

PROJECT NAME: SHB4

**LIGHTING
REALITY**

Development at Collins Avenue

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	Block A	5.63	31.33	128.11	118.88	1.49	1.49
2	Block C	132.94	73.77	115.60	123.14	1.48	1.48
3	Block C	246.31	162.95	110.15	63.18	1.49	1.47

Luminaires



Luminaire A Data

Supplier	Urbis Schreder
Type	FLEXIA TOP 5304 Deep shape PC 10 LH351C@600mA NW 740 230V
Lamp(s)	10 LH351C@600mA NW 740 230V
LampFlux(klm)/Colour	2.52 NW 4000K/70
File Name	FLEXIA TOP 5304 10 LH351C 600mA NW 740 20.5W 445412 Deep shape PC 230V TF.ltd
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	329.1, 124.0, 39.1
No. in Project	2



Luminaire B Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSOLON SQUARE GIANT@760mA
Lamp(s)	16 OSOLON SQUARE GIANT@760mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	5.20 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSOLON SQUARE GIANT 760mA NW 740 39W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	19



Luminaire C Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 8 OSOLON SQUARE GIANT@700mA N
Lamp(s)	8 OSOLON SQUARE GIANT@700mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	2.43 NW 4000K/70
File Name	AXIA 2.1 5167 8 OSOLON SQUARE GIANT 700mA NW 740 20W 434362 Integrated lenses...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	15

Layout

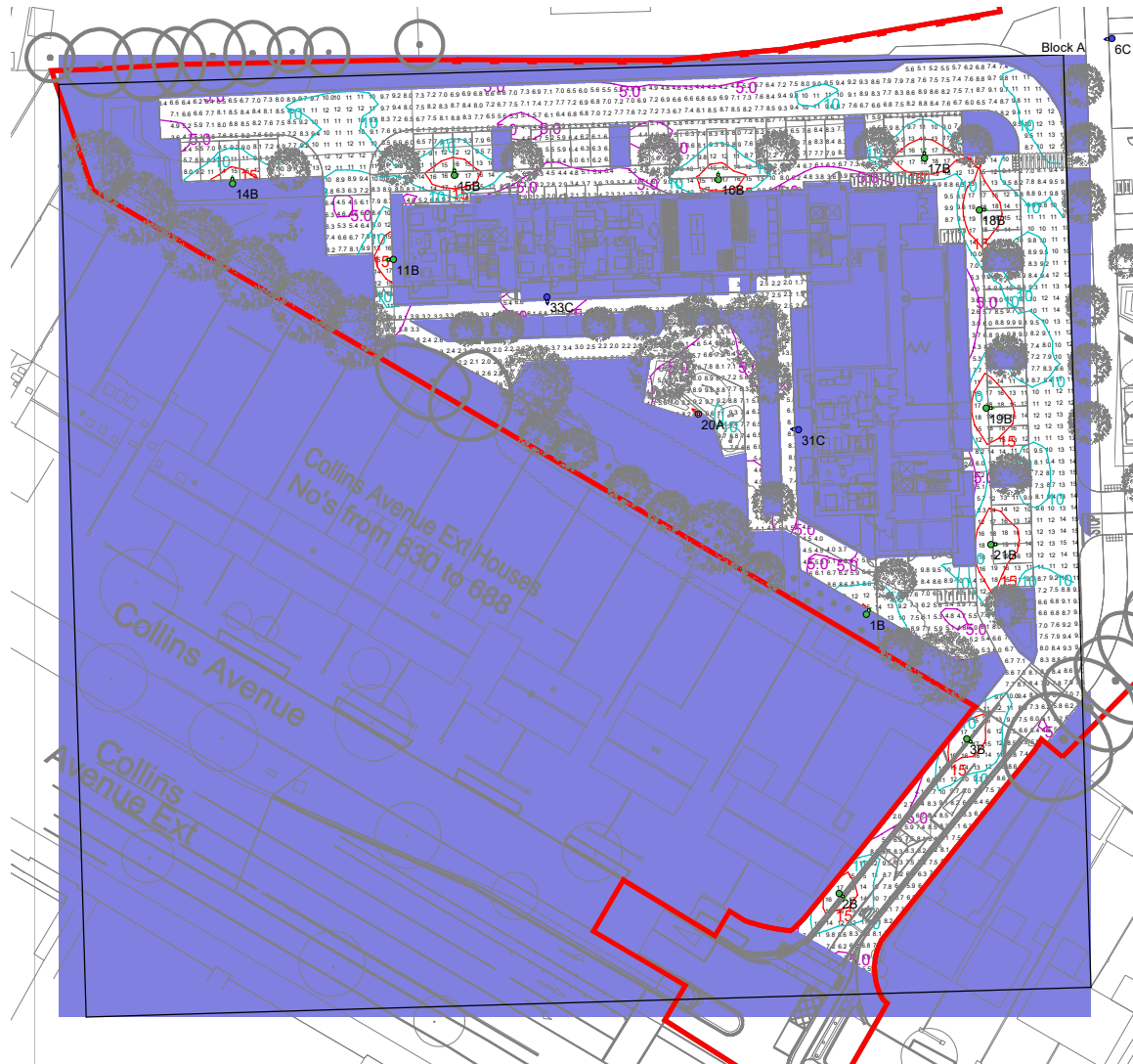
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	B	105.06	82.66	6.00	57.00	0.00	0.00	0.60	90%			
2	B	101.58	47.10	6.00	322.00	0.00	0.00	0.60	100%			
3	B	117.85	66.79	6.00	322.00	0.00	0.00	0.60	100%			
4	B	150.11	97.60	6.00	141.00	0.00	0.00	0.60	100%			
5	B	175.10	122.12	6.00	141.00	0.00	0.00	0.60	100%			
6	C	136.37	156.02	6.00	186.00	0.00	0.00	0.60	100%			
7	B	212.71	158.99	6.00	126.00	0.00	0.00	0.60	100%			
8	B	193.58	136.90	6.00	136.00	0.00	0.00	0.60	85%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
10	B	262.57	204.82	6.00	289.00	0.00	0.00	0.60	100%			
11	B	44.76	127.89	6.00	183.00	0.00	0.00	0.60	100%			
12	C	151.71	156.55	6.00	90.00	0.00	0.00	0.60	100%			
13	C	192.58	169.07	6.00	141.00	0.00	0.00	0.60	100%			
14	B	24.26	137.52	6.00	91.00	0.00	0.00	0.60	100%			
15	B	52.54	138.59	6.00	91.00	0.00	0.00	0.60	100%			
16	B	86.19	138.04	6.00	92.00	0.00	0.00	0.60	100%			
17	B	112.47	140.79	6.00	92.00	0.00	0.00	0.60	100%			
18	B	119.45	134.20	6.00	1.00	0.00	0.00	0.60	100%			
19	B	120.34	108.94	6.00	1.00	0.00	0.00	0.60	100%			
20	A	83.64	108.20	6.00	141.00	0.00	0.00	0.00	100%			
21	B	120.93	91.57	6.00	2.00	0.00	0.00	0.60	100%			
22	C	295.60	184.41	6.00	316.00	0.00	0.00	0.60	100%			
23	B	289.37	212.32	6.00	293.00	0.00	0.00	0.60	100%			
24	B	242.89	187.68	6.00	131.00	0.00	0.00	0.60	100%			
25	B	268.19	185.87	6.00	60.00	0.00	0.00	0.60	100%			
26	C	309.50	216.24	6.00	289.00	0.00	0.00	0.60	100%			
27	C	306.56	197.55	6.00	320.00	0.00	0.00	0.60	100%			
28	C	325.20	202.71	6.00	132.00	0.00	0.00	0.60	90%			
29	C	335.65	223.54	6.00	291.00	0.00	0.00	0.60	90%			
30	C	169.08	148.90	6.00	93.00	0.00	0.00	0.60	100%			
31	C	96.40	106.21	6.00	177.00	0.00	0.00	0.60	90%			
32	C	140.15	134.08	6.00	272.00	0.00	0.00	0.60	100%			
33	C	64.36	123.10	6.00	274.00	0.00	0.00	0.60	90%			
34	C	213.26	179.48	6.00	131.00	0.00	0.00	0.60	100%			
35	C	169.29	173.28	6.00	290.00	0.00	0.00	0.60	90%			
36	C	166.30	134.99	6.00	276.00	0.00	0.00	0.60	100%			
37	A	144.08	114.37	6.00	141.00	0.00	0.00	0.00	80%			

Horizontal Illuminance (lux)

Block A



Results

Eav	8.66
Emin	1.44
Emax	19.43
Emin/Emax	0.07
Emin/Eav	0.17

Horizontal Illuminance (lux)

Block C

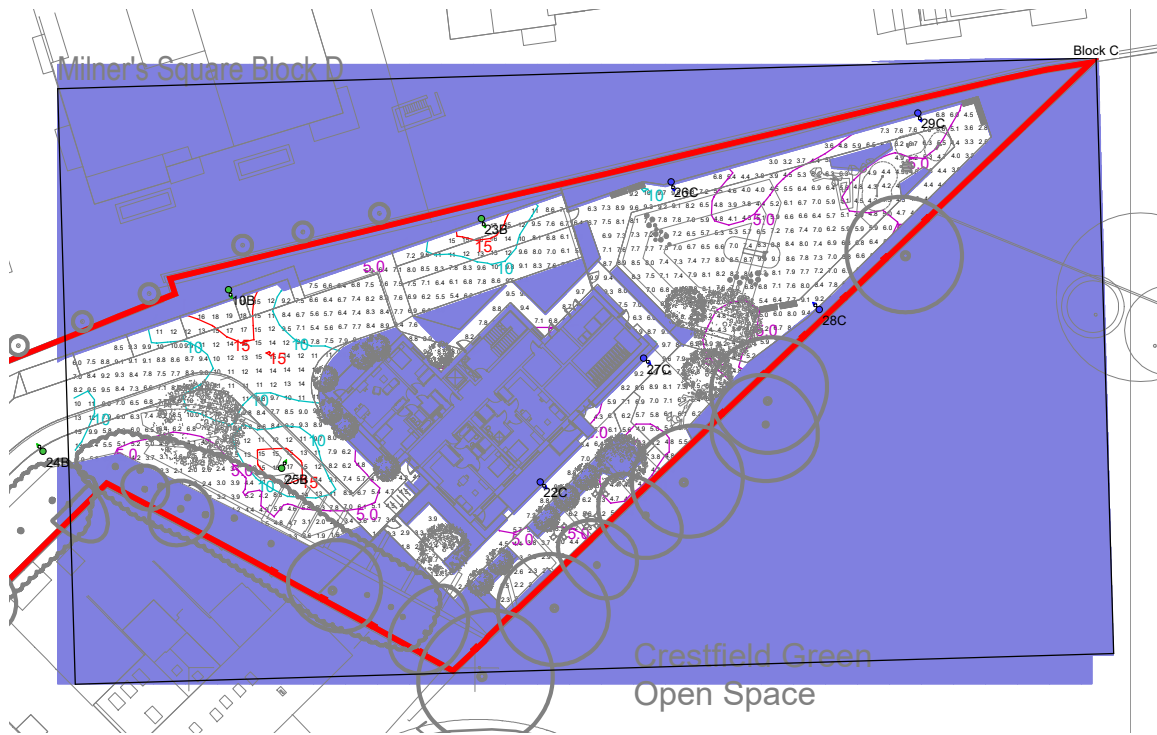


Results

Eav	6.29
Emin	1.10
Emax	18.86
Emin/Emax	0.06
Emin/Eav	0.17

Horizontal Illuminance (lux)

Block C



Results

Eav	7.28
Emin	1.21
Emax	19.44
Emin/Emax	0.06
Emin/Eav	0.17