

**DATE:** 5 July 2022  
**DESIGNER:** Graham Sheehan  
**PROJECT No:** SES 08622  
**PROJECT NAME:** Harold's Cross Development The Adroit Co. Ltd.



Designed in accordance with ISEN13201-2:2015 Class P4 and DCC  
Specification for Public Lighting Feb 2020

## **Outdoor Lighting Report**

**PREPARED BY:** Sabre Electrical Services Ltd.  
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## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin -28.0m x -121.0m  
Area 208.0m x 159.0m  
Sample Spacing 1.00m x 1.00m

### Luminaires

#### Luminaire A Data



Supplier	C U Phosco
Type	P852-12-F2-NW-CB0600-23W
Lamp(s)	740C NW
Lamp Flux (klm)	2.88
File Name	P852-12-F2-NW-CB0600-23W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	761.9, 260.5, 34.9
No. in Project	4

#### Luminaire B Data



Supplier	Urbis Schreder
Type	FLEXIA TOP 5304 Deep shape PC 10 LH3 51C@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 ...
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	329.1, 124.0, 39.1
No. in Project	5

#### Luminaire C Data



Supplier	Urbis Schreder
Type	FLEXIA TOP 5300 Deep shape PC 10 LH3 51C@200mA NW 740 230V
Lamp(s)	10 LH351C@200mA NW 740 230V
LampFlux(klm)/Colour	0.93 NW 4000K/70
File Name	FLEXIA TOP 5300 10 LH351C 200mA NW 740 7.4W 445372 Deep shape PC 230V T...
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1267.8, 160.4, 66.4
No. in Project	10

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	123.51	-60.73	6.00	65.00	0.00	0.00	0.40			
2	A	108.67	-38.22	6.00	247.00	0.00	0.00	0.40			
3	A	11.52	-4.01	6.00	259.00	0.00	0.00	0.40			
4	A	32.48	-6.92	6.00	261.00	0.00	0.00	0.40			
5	B	80.83	-31.60	5.00	65.00	0.00	0.00	0.00			
6	B	59.62	-21.48	5.00	65.00	0.00	0.00	0.00			
7	B	41.82	-18.55	5.00	83.00	0.00	0.00	0.00			
8	B	120.23	-16.15	5.00	334.00	0.00	0.00	0.00			
9	B	126.81	7.56	5.00	264.00	0.00	0.00	0.00			
10	C	60.95	-4.05	5.00	161.00	0.00	0.00	0.00			

**Layout Continued**

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	C	72.54	5.54	5.00	70.00	0.00	0.00	0.00			
12	C	88.35	0.17	5.00	65.00	0.00	0.00	0.00			
13	C	99.74	7.14	5.00	162.00	0.00	0.00	0.00			
14	C	109.69	10.65	5.00	95.00	0.00	0.00	0.00			
15	C	143.39	4.70	5.00	84.00	0.00	0.00	0.00			
16	C	54.68	-34.55	5.00	150.00	0.00	0.00	0.00			
17	C	43.08	-58.63	5.00	147.00	0.00	0.00	0.00			
18	C	32.97	-31.34	5.00	336.00	0.00	0.00	0.00			
19	C	30.08	-49.51	5.00	358.00	0.00	0.00	0.00			

## Horizontal Illuminance (lux)

Grid 1



### Results

Eav	5.40
Emin	1.18
Emax	14.66
Emin/Emax	0.08
Emin/Eav	0.22

## Horizontal Illuminance (lux)

Grid 1



### Results

Eav	5.40
Emin	1.18
E <sub>max</sub>	14.66
Emin/E <sub>max</sub>	0.08
Emin/Eav	0.22