

**DATE:** 11 March 2022  
**DESIGNER:** Thomas McCormack / Ross Traynor  
**PROJECT No:** 21029  
**PROJECT NAME:** Hartfield Place



Area designed to EN13201-2-2020 CAT P4. This development will not be taken in charge by the local authority however it is completed to a taken in charge standard.

## Public 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	Grid 1	548.60	736.85	214.53	182.51	1.49	1.50

### Luminaires

#### Luminaire A Data



Supplier	C U Phosco
Type	P852-12-P4-WW-CA0450-18W
Lamp(s)	730C WW
Lamp Flux (klm)	2.15
File Name	P852-12-P4-WW-CA0450-18W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	730.4, 161.4, 0.8
No. in Project	27

#### Luminaire C Data



Supplier	C U Phosco
Type	P852-12-R3B-WW-CA0200-9W
Lamp(s)	730C WW
Lamp Flux (klm)	1.04
File Name	P852-12-R3B-WW-CA0200-9W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	876.7, 56.5, 1.7
No. in Project	31

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	677.13	862.48	6.00	245.00	5.00	0.00	0.40			
2	A	687.55	843.55	6.00	63.00	5.00	0.00	0.40			
3	A	713.67	843.68	6.00	244.00	5.00	0.00	0.40			
4	A	730.42	818.70	6.00	61.00	5.00	0.00	0.40			
5	C	707.03	825.24	5.00	330.00	5.00	0.00	0.40			
6	A	723.67	666.41	6.00	244.00	0.00	0.00	0.40			
7	A	659.49	858.65	6.00	65.00	5.00	0.00	0.40			
8	C	690.31	818.71	5.00	245.00	5.00	0.00	0.40			
9	A	756.34	817.25	6.00	241.00	5.00	0.00	0.40			
10	A	771.11	796.82	6.00	67.00	5.00	0.00	0.40			
11	A	785.97	788.48	6.00	66.00	5.00	0.00	0.40			
12	A	776.93	766.47	6.00	332.00	5.00	0.00	0.40			
13	A	793.90	772.87	6.00	154.00	5.00	0.00	0.40			
14	A	775.46	731.45	6.00	149.00	5.00	0.00	0.40			
15	A	767.21	745.87	6.00	337.00	5.00	0.00	0.40			
16	A	753.08	730.40	6.00	331.00	5.00	0.00	0.40			
17	A	764.79	710.14	6.00	150.00	5.00	0.00	0.40			
18	A	743.24	699.29	6.00	338.00	5.00	0.00	0.40			
19	A	748.82	673.12	6.00	154.00	5.00	0.00	0.40			
20	A	737.39	659.84	6.00	157.00	0.00	0.00	0.40			

**Layout Continued**

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	A	701.49	680.09	6.00	241.00	0.00	0.00	0.40			
22	A	666.20	698.28	6.00	245.00	5.00	0.00	0.40			
23	A	645.41	711.10	6.00	245.00	5.00	0.00	0.40			
25	A	619.35	724.44	6.00	246.00	5.00	0.00	0.40			
26	A	595.31	730.70	5.00	271.00	0.00	0.00	0.40			
27	C	696.71	697.71	4.00	358.00	0.00	0.00	0.40			
28	C	697.77	719.08	4.00	359.00	0.00	0.00	0.40			
29	C	696.38	744.10	5.00	357.00	0.00	0.00	0.40			
30	C	697.63	768.91	5.00	0.00	0.00	0.00	0.40			
31	C	700.20	797.93	5.00	355.00	0.00	0.00	0.40			
32	C	712.36	798.81	5.00	158.00	0.00	0.00	0.40			
33	C	720.06	814.31	5.00	159.00	0.00	0.00	0.40			
34	C	691.43	805.09	4.00	60.00	0.00	0.00	0.40			
35	C	672.24	810.77	4.00	65.00	0.00	0.00	0.40			
36	C	665.60	822.00	4.00	61.00	0.00	0.00	0.40			
37	C	663.14	832.41	4.00	245.00	0.00	0.00	0.40			
38	C	670.20	739.98	4.00	334.00	0.00	0.00	0.40			
39	C	680.19	749.40	4.00	271.00	0.00	0.00	0.40			
40	C	660.37	752.01	4.00	62.00	0.00	0.00	0.40			
41	C	642.11	761.69	4.00	66.00	0.00	0.00	0.40			
42	C	646.24	771.81	4.00	153.00	0.00	0.00	0.40			
43	C	654.49	787.84	4.00	155.00	0.00	0.00	0.40			
44	C	662.17	803.43	4.00	153.00	0.00	0.00	0.40			
45	C	660.35	721.01	4.00	337.00	0.00	0.00	0.40			
46	C	668.89	709.79	4.00	155.00	0.00	0.00	0.40			
47	C	651.25	732.24	4.00	46.00	0.00	0.00	0.40			
48	C	662.18	728.90	4.00	39.00	0.00	0.00	0.40			
49	C	633.04	745.15	4.00	69.00	0.00	0.00	0.40			
50	C	634.00	755.95	4.00	152.00	0.00	0.00	0.40			
51	C	612.42	758.55	4.00	239.00	0.00	0.00	0.40			
52	C	607.67	762.27	5.00	159.00	0.00	0.00	0.40			
53	C	597.33	741.62	5.00	153.00	0.00	0.00	0.40			
54	A	621.00	784.90	5.00	160.00	4.00	1.00	0.40			
55	A	634.33	808.13	5.00	155.00	5.00	0.00	0.40			
56	A	642.64	823.47	5.00	159.00	5.00	0.00	0.40			
57	A	652.16	845.63	6.00	157.00	5.00	0.00	0.40			

**Layout Continued**

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
58	C	738.00	737.07	4.00	248.00	0.00	0.00	0.40			
59	C	715.40	742.78	4.00	80.00	0.00	0.00	0.40			

# Horizontal Illuminance (lux)

Grid 1



## Results

Eav	5.57
Emin	1.07
Emax	19.99
Emin/Emax	0.05
Emin/Eav	0.19