

DATE: 4 October 2021
DESIGNER: Alex Naper-GS
PROJECT No: SES 13319 Rev C
PROJECT NAME: Stocking Lane - MDB Consultants



Area designed to ISEN 13201-2:2015 Category P4

Rev A: Latest site layout used, redesigned to suit.
Rev B: Latest site layout used, redesigned to suit.
Rev C: Updated as per comments.

Outdoor Lighting Report

PREPARED BY: Sabre Electrical Services Ltd.
Unit 11,
Bellview Industrial Estate,
Tolka Valley Road,
Dublin 11
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Layout Report

General Data

Dimensions in Metres Angles in Degrees
 Grid Origin 713225.0m x 726474.0m
 Area 282.0m x 226.0m
 Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire A Data

Supplier	C U Phosco
Type	E950-28-P4A-727-C650-17W
Lamp(s)	727N
Lamp Flux (klm)	2.35
File Name	E950-28-P4A-727-C0650-17W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	659.3, 183.1, 0.3
No. in Project	21

Luminaire B Data

Supplier	C U Phosco
Type	E950-28-P4A-727-C200-7W
Lamp(s)	727N
Lamp Flux (klm)	0.75
File Name	E950-28-P4A-727-C0200-7W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	659.3, 183.1, 0.3
No. in Project	18

Luminaire C Data

Supplier	
Type	E950-28-R3A-727-BB-A0200-7W
Lamp(s)	822N
Lamp Flux (klm)	0.54
File Name	E950-28-R3A-727-BB-A0200-7W.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	771.1, 25.8, 0.3
No. in Project	6

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	713270.12	726583.33	6.00	264.00	5.00	0.00	0.40			
2	A	713306.02	726584.73	6.00	275.00	5.00	0.00	0.40			
3	C	713262.62	726568.56	6.00	353.00	5.00	0.00	0.40			
4	A	713280.62	726568.83	6.00	92.00	5.00	0.00	0.40			
5	A	713300.44	726624.58	6.00	3.00	5.00	0.00	0.40			
6	B	713274.87	726628.71	6.00	270.00	5.00	0.00	0.40			
7	A	713295.26	726639.41	6.00	287.00	5.00	0.00	0.40			
8	C	713264.88	726594.05	6.00	349.00	0.00	0.00	0.40			
9	A	713313.62	726606.53	6.00	201.00	5.00	0.00	0.40			
10	A	713341.06	726599.41	6.00	291.00	5.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	A	713365.37	726613.52	6.00	297.00	5.00	0.00	0.40			
12	A	713374.32	726596.86	6.00	114.00	5.00	0.00	0.40			
13	A	713405.27	726630.19	6.00	283.00	5.00	0.00	0.40			
14	A	713407.81	726611.02	6.00	111.00	5.00	0.00	0.40			
15	A	713424.74	726654.45	6.00	353.00	5.00	0.00	0.40			
16	A	713444.93	726671.23	6.00	202.00	5.00	0.00	0.40			
17	A	713442.81	726625.50	6.00	110.00	5.00	0.00	0.40			
18	A	713439.02	726639.47	6.00	234.00	5.00	0.00	0.40			
19	A	713462.65	726621.70	6.00	272.00	5.00	0.00	0.40			
20	A	713349.80	726572.09	6.00	196.00	5.00	0.00	0.40			
21	A	713342.36	726545.66	6.00	17.00	5.00	0.00	0.40			
22	C	713258.43	726528.59	6.00	352.00	0.00	0.00	0.40			
23	C	713248.66	726508.56	6.00	302.00	0.00	0.00	0.40			
24	C	713259.62	726550.13	6.00	353.00	0.00	0.00	0.40			
25	A	713333.87	726578.97	6.00	23.00	5.00	0.00	0.40			
26	A	713359.18	726536.72	6.00	196.00	5.00	0.00	0.40			
27	B	713285.18	726520.16	6.00	160.00	0.00	0.00	0.40			
28	B	713302.57	726521.33	6.00	261.00	0.00	0.00	0.40			
29	B	713314.96	726525.26	6.00	277.00	0.00	0.00	0.40			
30	B	713318.43	726532.31	6.00	355.00	0.00	0.00	0.40			
31	A	713344.85	726525.10	6.00	20.00	5.00	0.00	0.40			
32	B	713301.31	726556.80	6.00	196.00	0.00	0.00	0.40			
33	B	713289.19	726542.27	6.00	104.00	0.00	0.00	0.40			
34	B	713266.82	726510.12	6.00	74.00	0.00	0.00	0.40			
35	B	713329.25	726547.29	6.00	102.00	0.00	0.00	0.40			
36	B	713270.66	726543.60	6.00	79.00	0.00	0.00	0.40			
37	B	713371.17	726513.90	6.00	101.00	0.00	0.00	0.40			
38	B	713293.83	726535.91	6.00	146.00	0.00	0.00	0.40			
39	B	713309.49	726544.98	6.00	65.00	0.00	0.00	0.40			
40	B	713289.61	726606.97	6.00	86.00	0.00	0.00	0.40			
41	C	713274.97	726616.38	6.00	339.00	0.00	0.00	0.40			
42	B	713380.24	726527.97	6.00	13.00	0.00	0.00	0.40			
43	B	713373.96	726551.27	6.00	13.00	0.00	0.00	0.40			
44	B	713367.39	726576.26	6.00	23.00	0.00	0.00	0.40			
45	B	713358.67	726576.03	6.00	107.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.05
Emin	1.01
Emax	17.44
Emin/Emax	0.06
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.05
Emin	1.01
E _{max}	17.44
E _{min} /E _{max}	0.06
E _{min} /E _{av}	0.20