

DATE: 15 February 2023
DESIGNER: SS
PROJECT No: 24415
PROJECT NAME: ELPM Island Site, Radcliffe



24415-A-01B

Lighting Class P4

Outdoor Lighting Report

PREPARED BY: Harttron Ltd
Units 3-3a
Second Avenue
Poynton Industrial estate
Poynton
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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin -52.5m x -98.3m
Area 141.0m x 174.0m
Sample Spacing 1.50m x 1.50m

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP760_DW50_6000_20LED_5.1S_CLO_L90_NW.ies
Lamp(s)	LED-HB 5.1S NW
Lamp Flux (klm)	6.00
File Name	DigiStreet Micro_BGP760_DW50_6000_20LED_5.1S_CLO_L90_NW.ies
Maintenance Factor	0.74
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	13

Luminaire C Data

Supplier	
Type	SRS201
Lamp(s)	SOX90W
Lamp Flux (klm)	13.00
File Name	SRS201 1xSOX90W CON.eul
Maintenance Factor	0.74
Imax70,80,90(cd/klm)	275.6, 174.0, 45.3
No. in Project	3

Luminaire D Data

Supplier	
Type	SGS254 FG CP P2
Lamp(s)	SON-TP150W
Lamp Flux (klm)	17.50
File Name	SGS254 FG CP P2 1xSON-TP150W CON.ies
Maintenance Factor	0.74
Imax70,80,90(cd/klm)	430.2, 77.1, 0.0
No. in Project	4

Layout

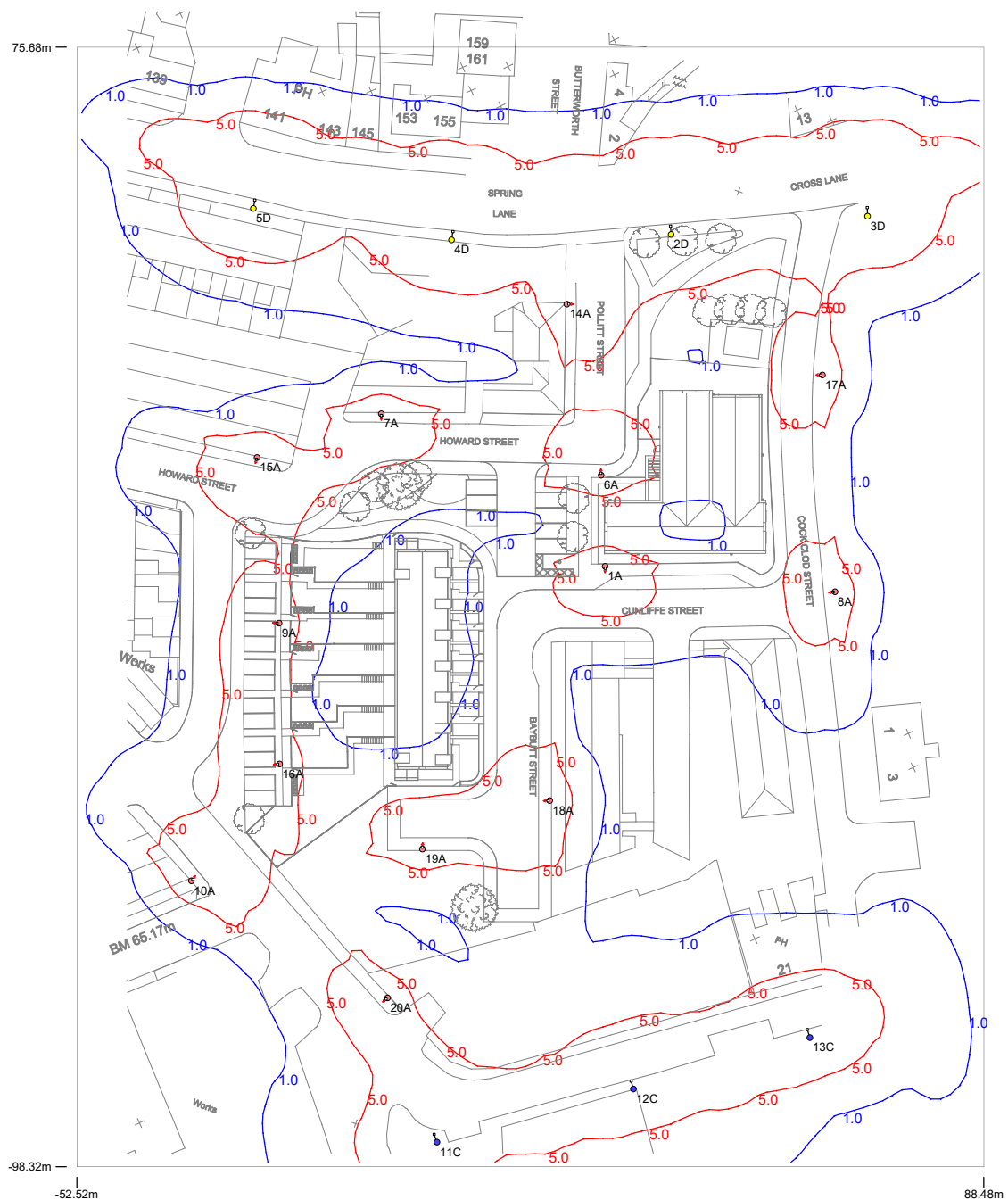
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	29.59	-5.00	6.00	268.00	5.00	0.00	0.30	70%			
2	D	39.83	46.56	8.00	93.00	5.00	0.00	1.30	100%			
3	D	70.38	49.42	8.00	93.00	5.00	0.00	1.30	100%			
4	D	5.72	45.73	8.00	81.00	5.00	0.00	1.30	100%			
5	D	-25.11	50.61	8.00	79.00	5.00	0.00	1.30	100%			
6	A	28.95	9.16	6.00	93.00	5.00	0.00	0.30	70%			
7	A	-5.21	18.71	6.00	270.00	5.00	0.00	0.30	70%			
8	A	65.32	-8.96	6.00	187.00	5.00	0.00	0.30	70%			
9	A	-21.12	-13.83	6.00	177.00	5.00	0.00	0.30	70%			
10	A	-34.71	-53.86	6.00	51.00	5.00	0.00	0.30	70%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
11	C	3.44	-94.49	8.00	109.00	5.00	0.00	1.30	100%			
12	C	33.97	-86.22	8.00	106.00	5.00	0.00	1.30	100%			
13	C	61.39	-78.22	8.00	107.00	5.00	0.00	1.30	100%			
14	A	23.64	35.74	6.00	1.00	5.00	0.00	0.30	70%			
15	A	-24.52	11.92	6.00	254.00	5.00	0.00	0.30	70%			
16	A	-21.00	-35.73	6.00	185.00	5.00	0.00	0.30	70%			
17	A	63.37	24.75	6.00	180.00	5.00	0.00	0.30	70%			
18	A	20.99	-41.41	6.00	182.00	5.00	0.00	0.30	70%			
19	A	1.19	-48.95	6.00	89.00	5.00	0.00	0.30	70%			
20	A	-4.21	-72.07	6.00	219.00	5.00	0.00	0.30	70%			

Horizontal Illuminance (lux)

Grid 1

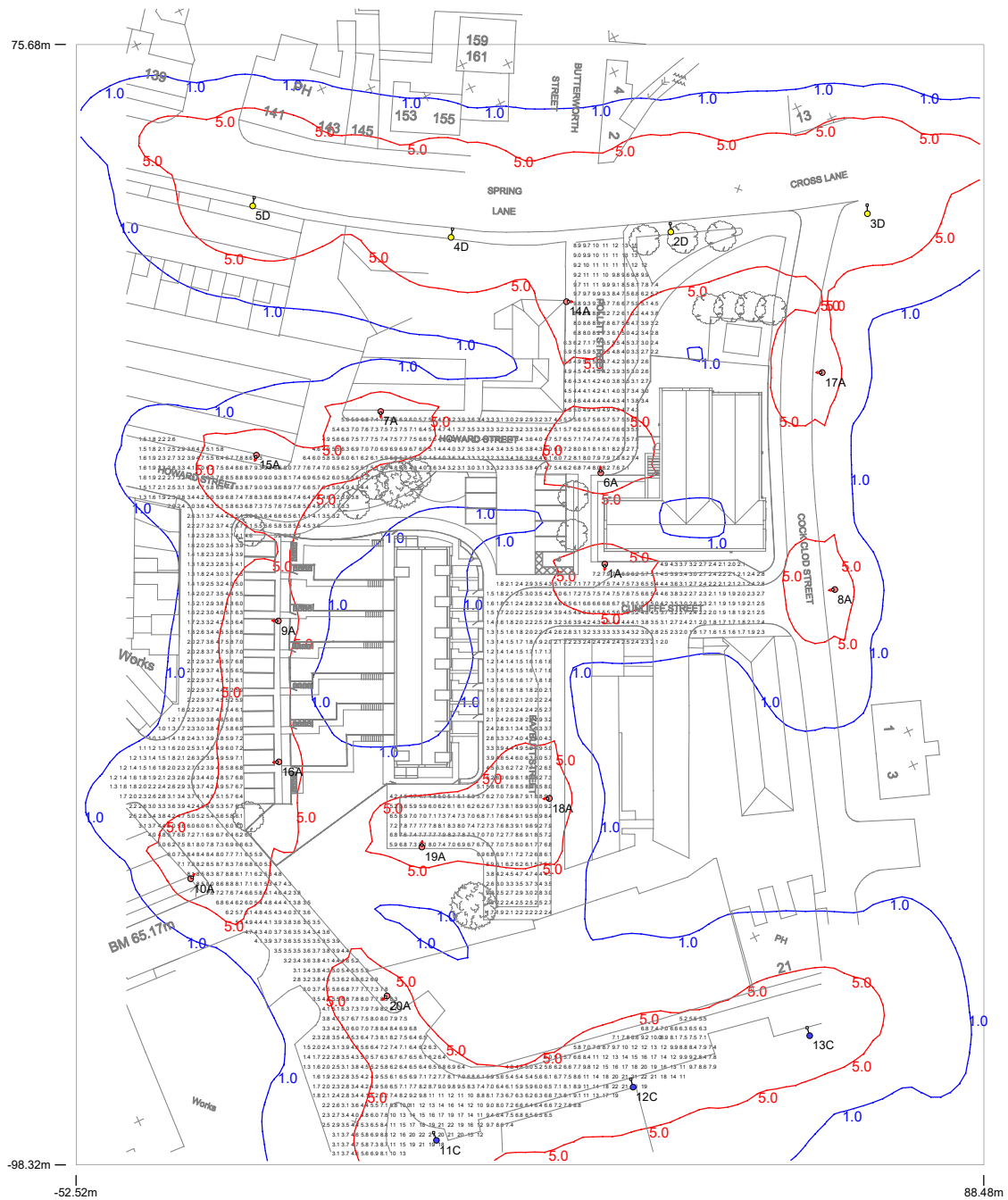


Results

Eav	5.63
Emin	1.00
Emax	22.25
Emin/Emax	0.05
Emin/Eav	0.18

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Grid 1



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