

DATE: 10 July 2018
DESIGNER: SSE
PROJECT No: 225243
PROJECT NAME: SSE225243-AC-001-B



Main distributor road lit to lighting class P4.

Rest lit to P6.

EIA concludes that there are bats present around the site and therefore warm white LED's have been utilised.

Sinah Lane, Hayling Island, Hampshire

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	470845.82	99747.31	37.46	92.54	1.50	1.49
2	Grid 2	470871.49	99821.37	37.46	155.06	1.50	1.49
3	Grid 3	470770.74	99946.72	50.76	105.00	1.49	1.48
4	Grid 4	470839.99	100022.57	48.17	145.42	1.46	1.50

Luminaires

Luminaire A Data

Supplier	
Type	BGP702 DM50
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	2.40
File Name	Luma Gen2 Micro_BGP702_DM50_2400_1 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	921.3, 65.9, 0.0
Lamp S/P Ratio	1.61
No. in Project	2

Luminaire B Data

Supplier	
Type	BGP702 DW10 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.20
File Name	Luma Gen2 Micro_BGP702_DW10 BL1_32 00_20LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	424.3, 39.4, 0.0
Lamp S/P Ratio	1.61
No. in Project	3

Luminaire C Data

Supplier	
Type	BGP702 DW10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	3.20
File Name	Luma Gen2 Micro_BGP702_DW10_3200_2 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	438.8, 62.1, 0.0
Lamp S/P Ratio	1.61
No. in Project	9

Luminaire N Data

Supplier	
Type	2570/2571 PNN*
Lamp(s)	1PL-L 55W
Lamp Flux (klm)	4.80
File Name	INR732C
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	184.0, 89.0, 9.0
Lamp S/P Ratio	0.00
No. in Project	1

Luminaires

Luminaire O Data

Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.00
File Name	Luma Gen2 Micro_BGP702_DM10_1000_6 LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire P Data

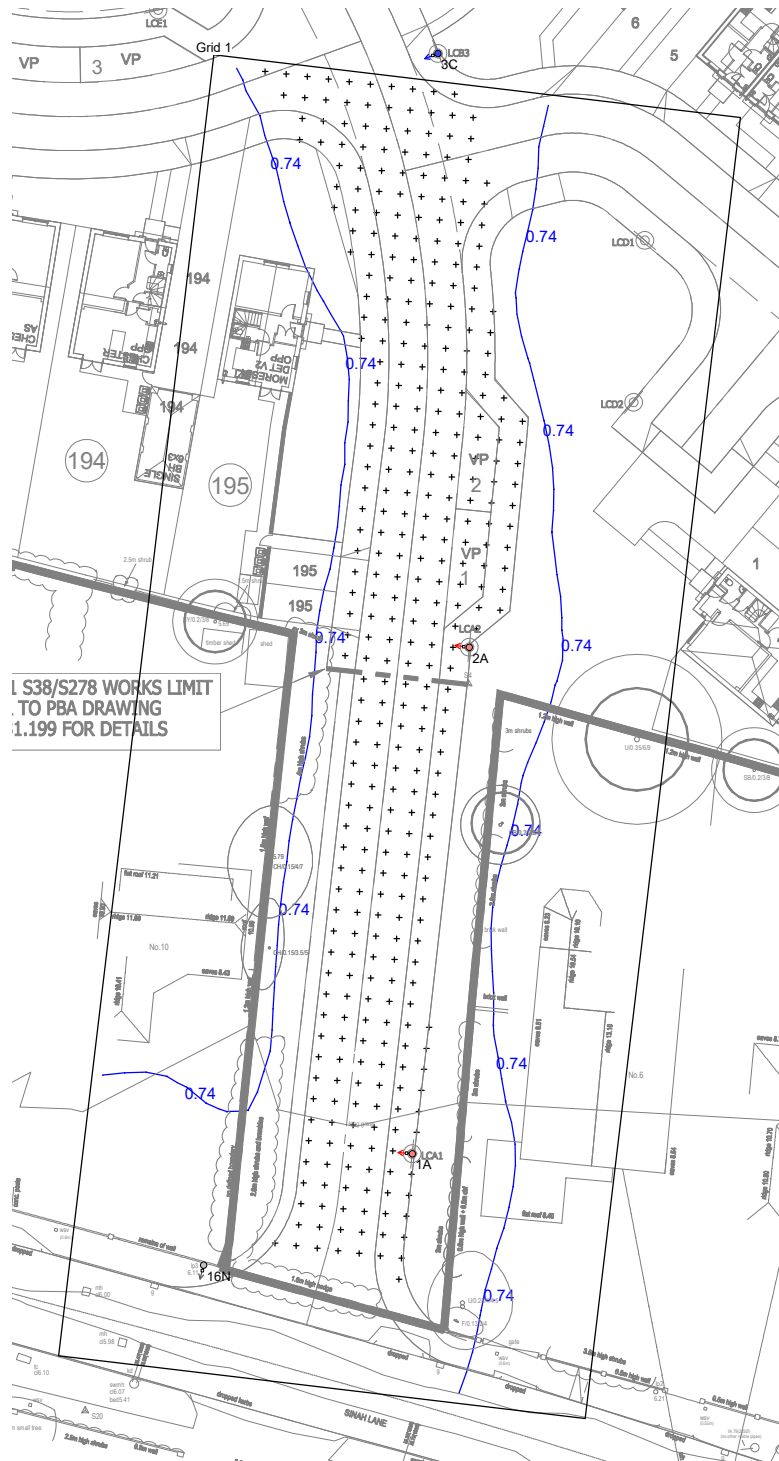
Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	0.80
File Name	Luma Gen2 Micro_BGP702_DM10_800_6L ED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	470870.80	99761.58	6.00	175.00	5.00	0.00	0.40			
2	A	470874.84	99797.35	6.00	173.00	5.00	0.00	0.40			
3	C	470872.62	99839.29	6.00	201.00	5.00	0.00	0.40			
4	C	470842.99	99861.79	6.00	57.00	5.00	0.00	0.40			
5	C	470818.26	99882.37	6.00	49.00	5.00	0.00	0.40			
6	C	470792.87	99903.59	6.00	51.00	5.00	0.00	0.40			
7	B	470792.92	99930.83	6.00	143.00	5.00	0.00	0.40			
8	B	470810.92	99956.13	6.00	139.00	5.00	0.00	0.40			
9	C	470835.15	99981.34	6.00	142.00	5.00	0.00	0.40			
10	C	470846.78	100011.27	6.00	299.00	5.00	0.00	0.40			
11	C	470881.71	100020.17	6.00	138.00	5.00	0.00	0.40			
12	C	470902.08	100042.59	6.00	140.00	5.00	0.00	0.40			
13	C	470921.72	100067.99	6.00	140.00	5.00	0.00	0.40			
15	B	470941.32	100091.47	6.00	136.00	5.00	0.00	0.40			
16	N	470856.07	99753.70	6.00	255.00	5.00	0.00	0.40			
16	O	470823.93	99966.72	6.00	230.00	5.00	0.00	0.40			
17	P	470945.30	100081.05	6.00	231.00	5.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

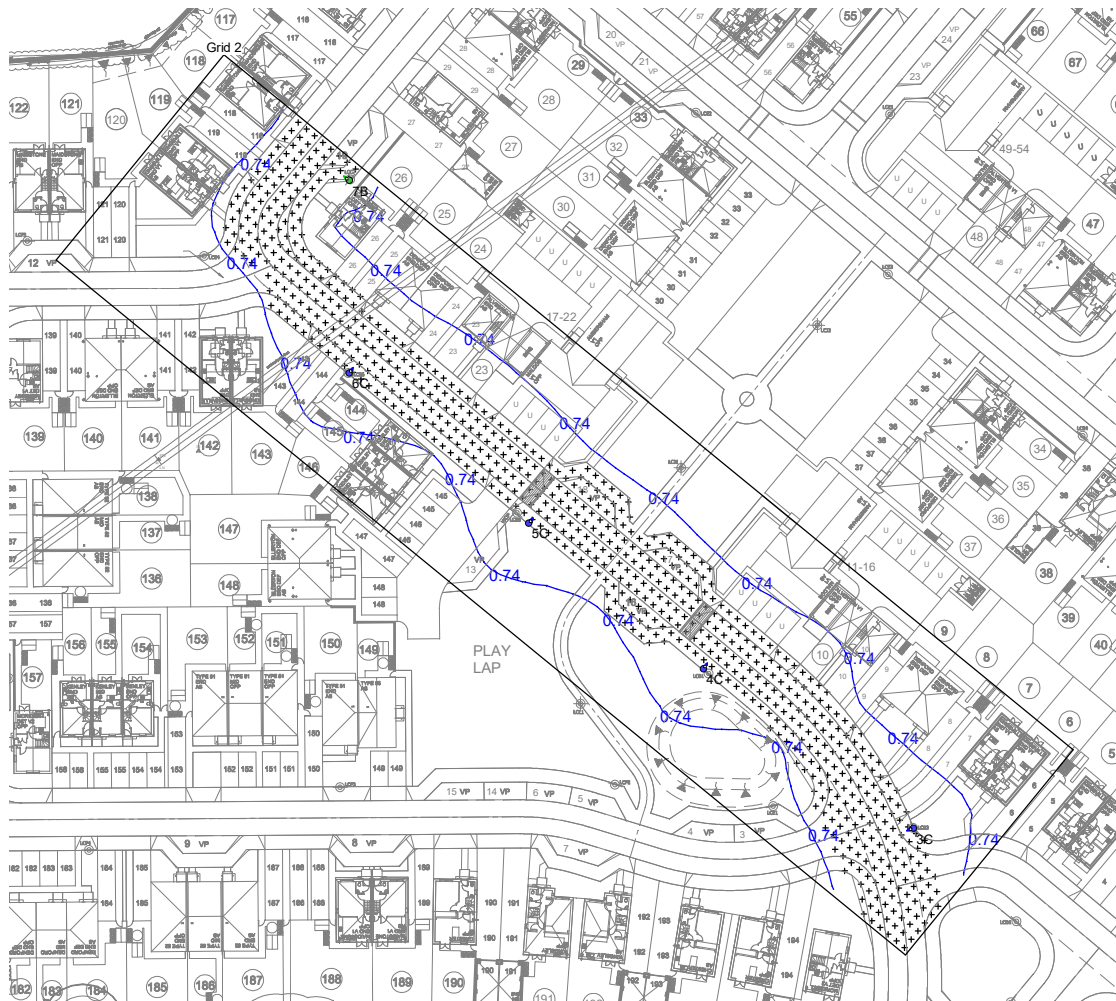


Results

Eav	4.02
Emin	0.98
Emax	12.29
Emin/Emax	0.08
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 2

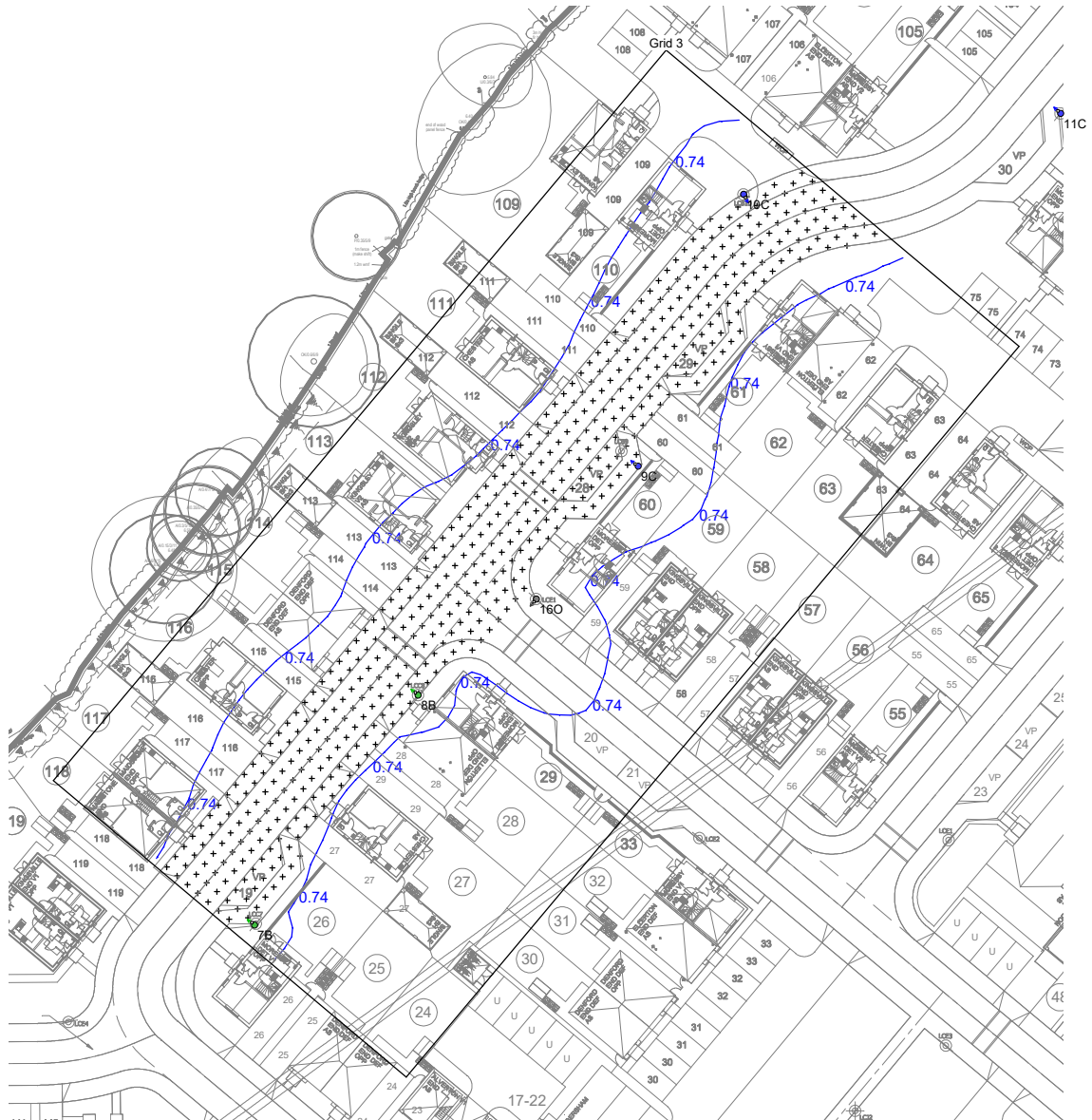


Results

Eav	4.56
Emin	0.90
Emax	13.73
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3

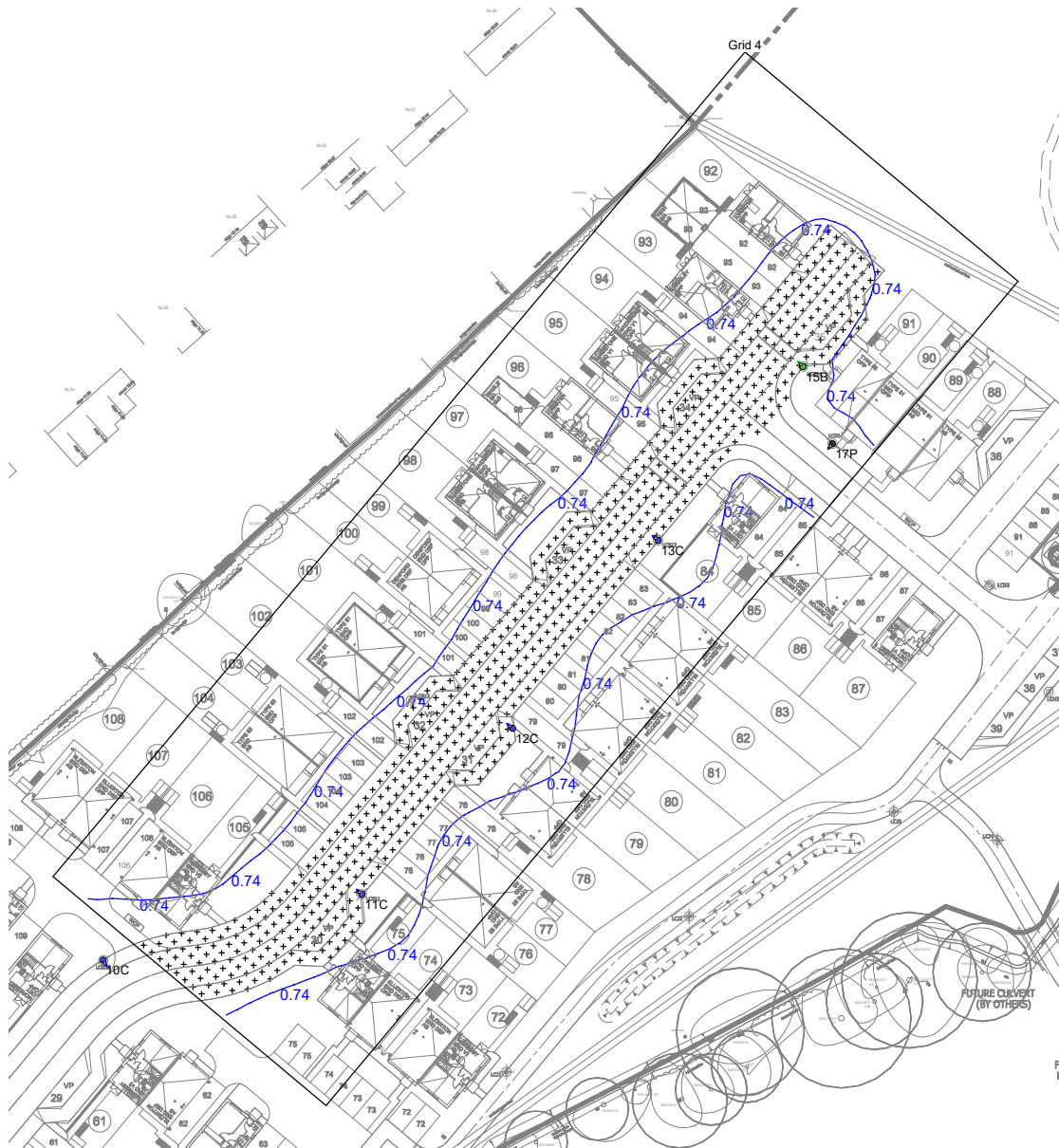


Results

Eav	4.90
Emin	1.13
Emax	13.70
Emin/Emax	0.08
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 4



Results

Eav	4.02
Emin	0.98
Emax	12.29
Emin/Emax	0.08
Emin/Eav	0.24