

DATE: 25 September 2018
DESIGNER: CT
PROJECT No: C85850
PROJECT NAME: Bartons Road, Havant



S38 Street Lighting Design to BS EN 13201:2015

Grid 1

Class P6 with S/P Ratio: 1.34
Eav = 1.33 - 1.99
Emin = 0.40

Result:
Eav = 1.88
Emin = 0.42

Grid 2

Class P6 with S/P Ratio: 1.34
Eav = 1.33 - 1.99
Emin = 0.40

Result:
Eav = 1.71
Emin = 0.44

This report is to be read in conjunction with drawing no. C85850-D116.

C85850-C111 - S38 Street Lighting

PREPARED BY: JNP Group
3rd Floor
Marlborough House
48 Holly Walk
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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	473369.83	107784.54	66.47	231.16	1.48	1.50
2	Grid 2	473105.46	107781.46	273.27	78.99	1.49	1.49

Luminaires

Luminaire A Data



Supplier	Philips
Type	BGP615 DM70
Lamp(s)	LED-HB 5S/740
Lamp Flux (klm)	1.40
File Name	Luma_Micro_BGP615_DM70_1400_12LED_2_05mA_5S_CLO_L90_NW.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	405.6, 354.6, 0.0
Lamp S/P Ratio	1.61
No. in Project	18

Luminaire B Data



Supplier	Philips
Type	SGS253 FG OR P3
Lamp(s)	SON-TPP150W
LampFlux(klm)/Colour	17.50 -/-
File Name	SGS253 FG 1xSON-TPP150W OR P3.lit
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	306.5, 10.0, 0.0
Lamp S/P Ratio	0.00
No. in Project	3

Layout

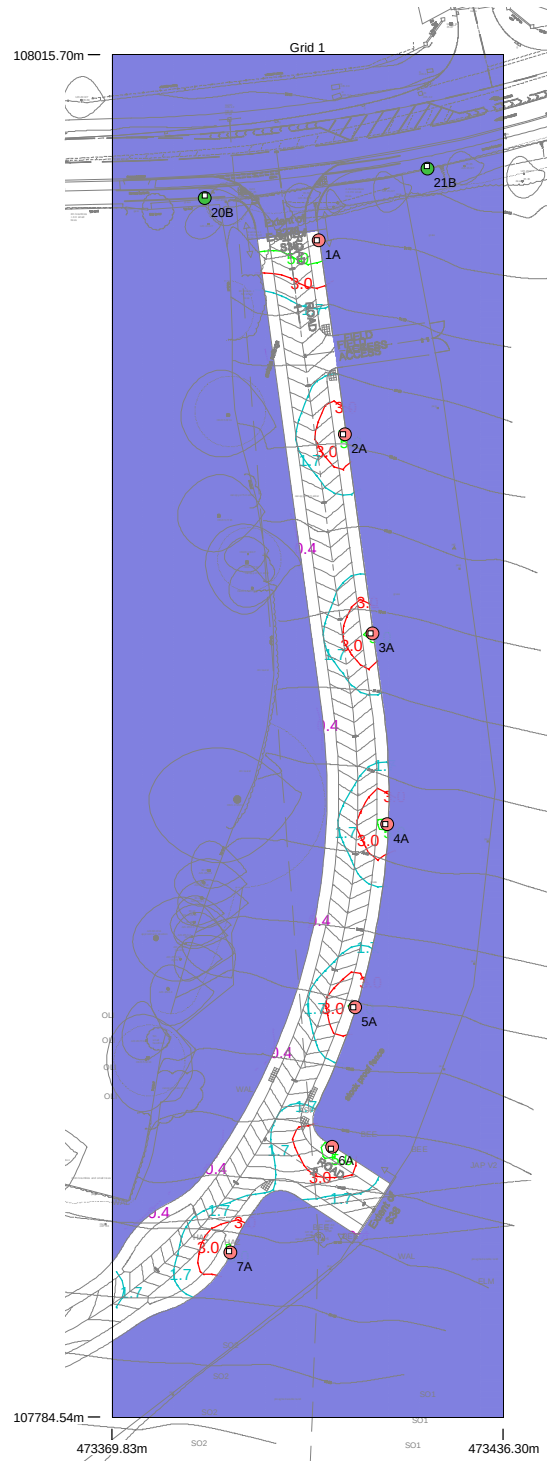
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	473404.86	107984.25	6.00	188.00	0.00	0.00	0.30			
2	A	473409.37	107951.32	6.00	188.00	0.00	0.00	0.30			
3	A	473413.99	107917.60	6.00	188.00	0.00	0.00	0.30			
4	A	473416.52	107885.19	6.00	178.00	0.00	0.00	0.30			
5	A	473411.09	107854.09	6.00	163.00	0.00	0.00	0.30			
6	A	473407.15	107830.44	6.00	237.00	0.00	0.00	0.30			
7	A	473389.90	107812.57	6.00	138.00	0.00	0.00	0.30			
8	A	473361.69	107804.61	6.00	300.00	0.00	0.00	0.30			
9	A	473326.27	107794.43	6.00	72.00	0.00	0.00	0.30			
10	A	473295.65	107804.14	6.00	72.00	0.00	0.00	0.30			
11	A	473271.33	107788.16	6.00	342.00	0.00	0.00	0.30			
12	A	473269.41	107812.47	6.00	72.00	0.00	0.00	0.30			
13	A	473235.73	107833.69	6.00	255.00	0.00	0.00	0.30			
14	A	473197.04	107824.44	6.00	98.00	0.00	0.00	0.30			
15	A	473169.02	107806.45	6.00	8.00	0.00	0.00	0.30			
16	A	473155.44	107828.96	6.00	278.00	0.00	0.00	0.30			
17	A	473137.28	107810.35	6.00	188.00	0.00	0.00	0.30			
18	A	473123.04	107840.04	6.00	8.00	0.00	0.00	0.30			
19	B	473360.60	107992.90	10.00	91.00	5.00	0.00	1.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
20	B	473385.61	107991.34	10.00	95.00	5.00	0.00	0.50			
21	B	473423.35	107996.37	10.00	101.00	5.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1

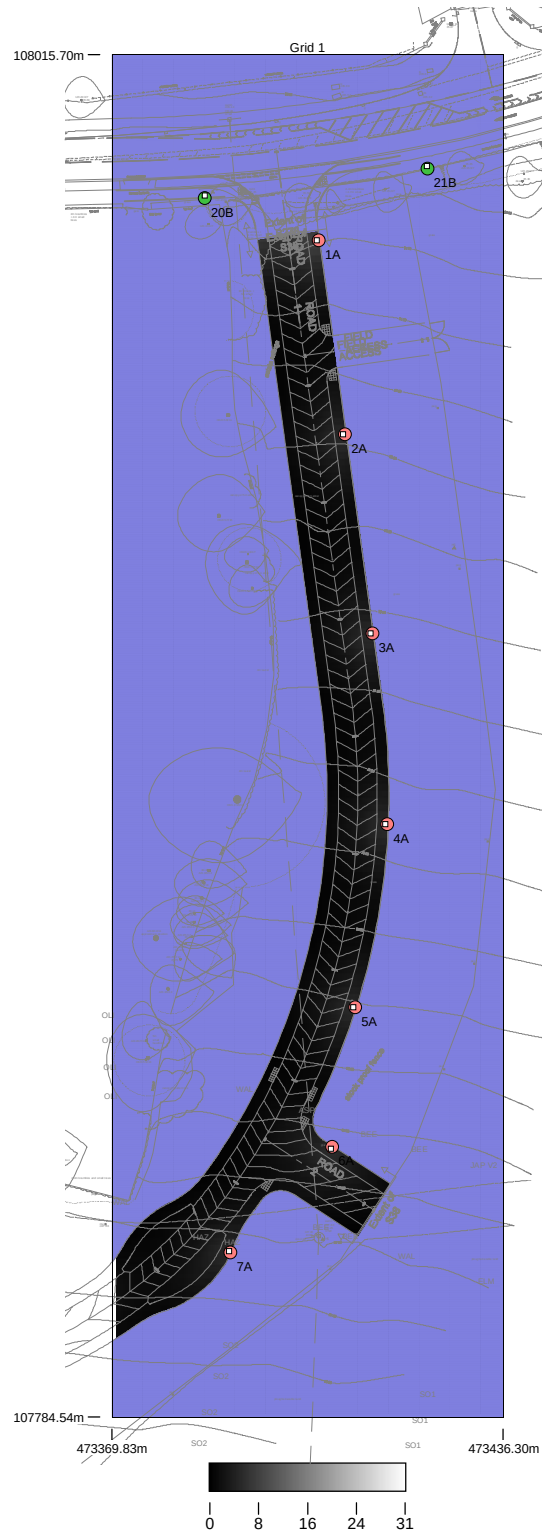


Results

Eav	1.88
Emin	0.42
Emax	7.67
Emin/Emax	0.05
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 1

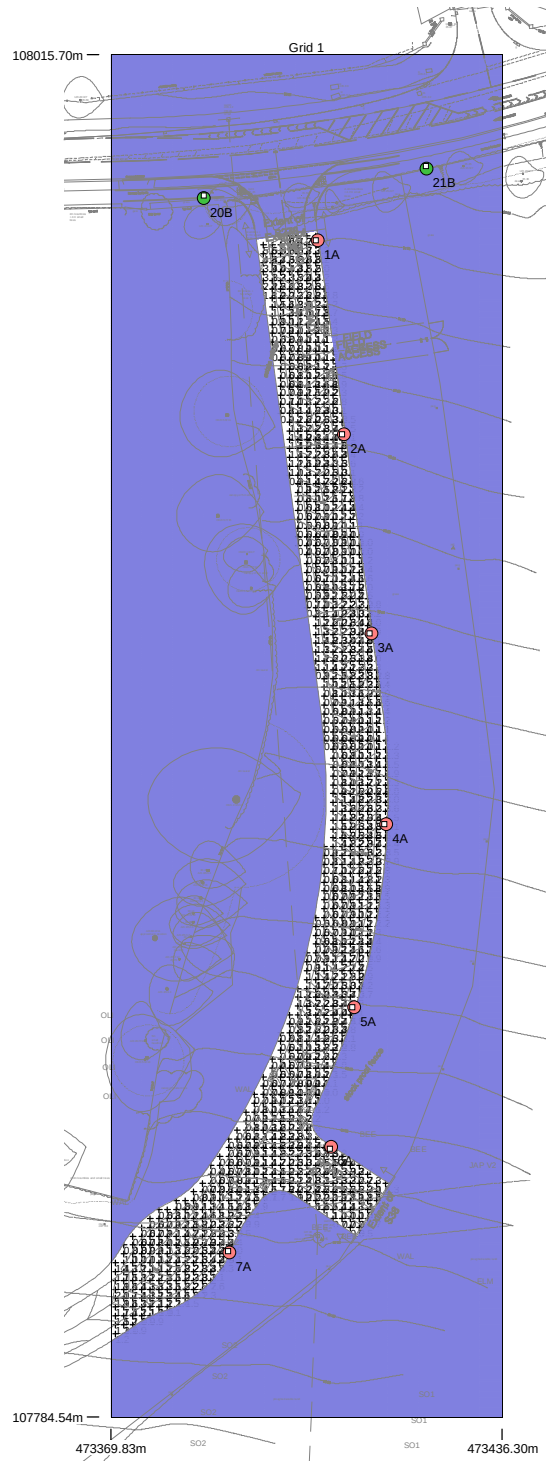


Results

Eav	1.88
Emin	0.42
E _{max}	7.67
E _{min} /E _{max}	0.05
E _{min} /E _{av}	0.22

Horizontal Illuminance (lux)

Grid 1



Results

Eav	1.88
Emin	0.42
E _{max}	7.67
E _{min} /E _{max}	0.05
E _{min} /E _{av}	0.22

Horizontal Illuminance (lux)

Grid 2

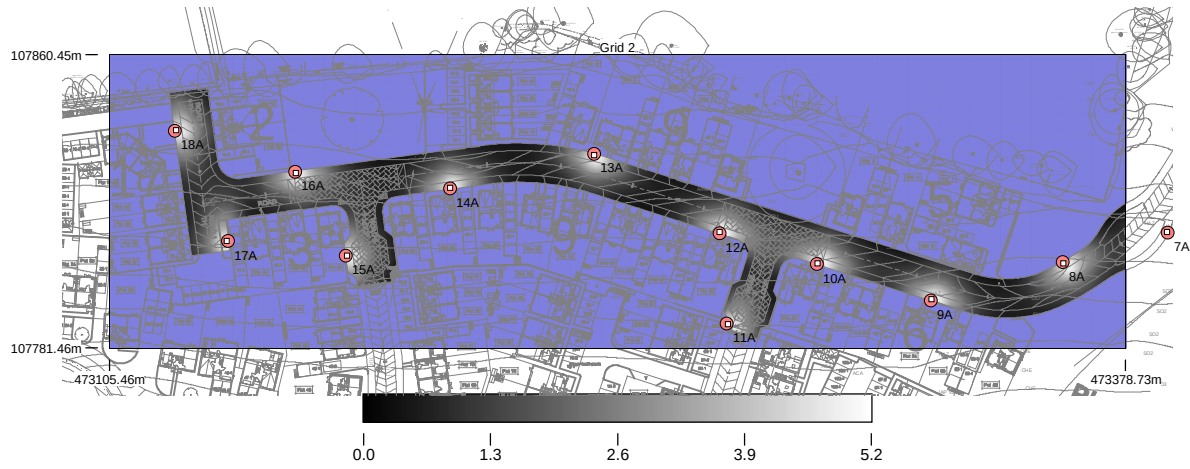


Results

Eav	1.71
Emin	0.44
Emax	5.20
Emin/Emax	0.08
Emin/Eav	0.26

Horizontal Illuminance (lux)

Grid 2



Results

Eav	1.71
Emin	0.44
Emax	5.20
Emin/Emax	0.08
Emin/Eav	0.26

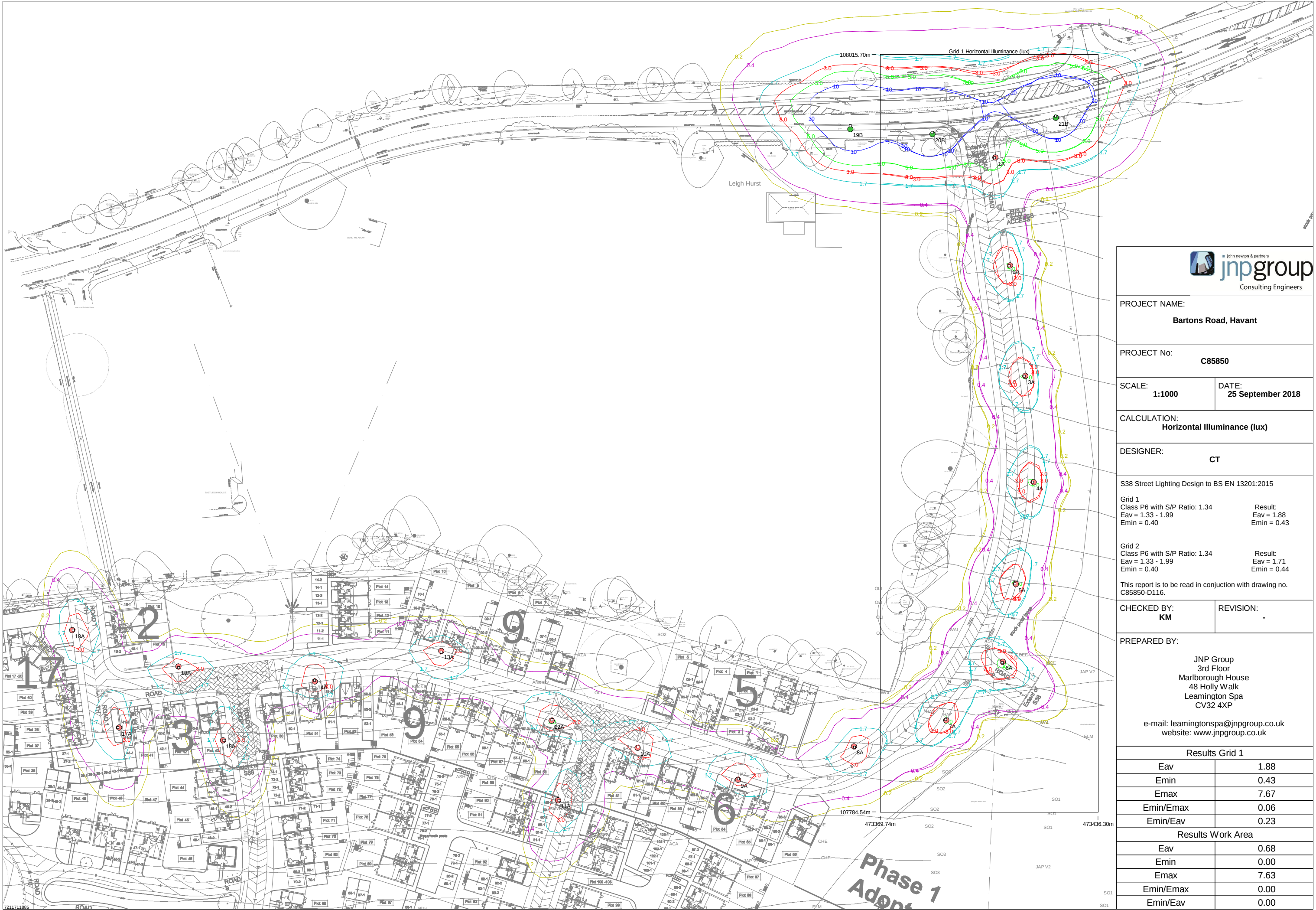
Horizontal Illuminance (lux)

Grid 2



Results

Eav	1.71
Emin	0.44
Emax	5.20
Emin/Emax	0.08
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PROJECT NAME: Bartons Road, Havant	
PROJECT No: C85850	
SCALE: 1:1000	DATE: 25 September 2018
CALCULATION: Horizontal Illuminance (lux)	
DESIGNER: CT	
S38 Street Lighting Design to BS EN 13201:2015 Grid 1 Class P6 with S/P Ratio: 1.34 Eav = 1.33 - 1.99 Emin = 0.40 Result: Eav = 1.88 Emin = 0.43 Grid 2 Class P6 with S/P Ratio: 1.34 Eav = 1.33 - 1.99 Emin = 0.40 Result: Eav = 1.71 Emin = 0.44 This report is to be read in conjunction with drawing no. C85850-D116.	
CHECKED BY: KM	REVISION: -
PREPARED BY: JNP Group 3rd Floor Marlborough House 48 Holly Walk Leamington Spa CV32 4XP e-mail: leamingtonspa@jnpgroup.co.uk website: www.jnpgroup.co.uk	
Results Grid 1	
Eav	1.88
Emin	0.43
Emax	7.67
Emin/Emax	0.06
Emin/Eav	0.23
Results Work Area	
Eav	0.68
Emin	0.00
Emax	7.63
Emin/Emax	0.00
Emin/Eav	0.00