

DATE: 10 January 2013
DESIGNER: CEW
PROJECT No: 490510B
PROJECT NAME: Hambledon Rd - Ramp



Lighting design to BS5489
Category CE1 for outdoor footpath ramp - E-Ave 30 lux at 40% uniformity.
Based on existing 10m high columns on Maurepas Way c/w Urbis ZX3 F/G 150w SON-T lanterns and new 8m high columns adjacent ramp c/w Philips Iridium 100w SON-T lanterns.
Calculation based on various column heights to lowest part of ramp.
Lanterns horizontal tilt at -5 degree to allow for ramp slope.

Outdoor Lighting Report

PREPARED BY: SSE Contracting - Lighting Services
Unit 1, Flanders Road
Hedge End
Hampshire
SO30 2LG

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Local Origin at 468085.07m x 109477.58m
Grid Origin -84.5m x -29.4m
Area 126.4m x 55.1m
Sample Spacing 1.40m x 1.38m

Luminaires



Luminaire A Data

Supplier	Urbis
Type	ZX3_FG_1289_120_-43x_88142...
Lamp(s)	150W-SONT+
Lamp Flux (klm)	18.00
File Name	ZX3_Flat Glass_1289_SON-T+...
Maintenance Factor	0.88
Imax70,80,90(cd/klm)	414.0, 42.0, 0.0

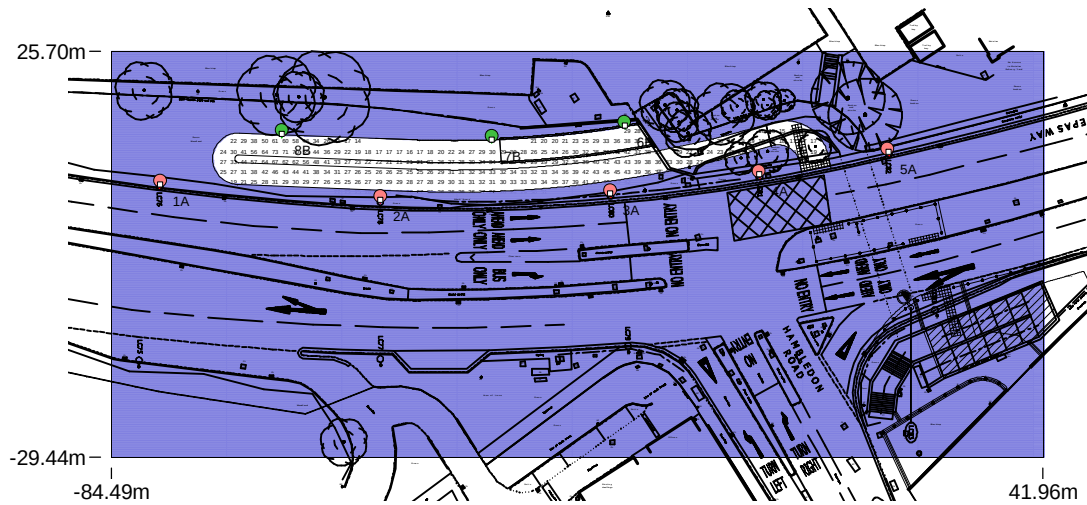
Luminaire B Data

Supplier	
Type	SGS253 FG OR P3
Lamp(s)	SON-TPP100W
LampFlux(klm)/Colour	10.70 -/
File Name	SGS253 FG 1xSON-TPP100W OR...
Maintenance Factor	0.88
Imax70,80,90(cd/klm)	393.9, 14.1, 0.0

Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	-77.85	8.14	10.00	265.00	5.00	-5.00	0.50			
2	A	-47.99	6.09	10.00	270.00	5.00	-5.00	0.50			
3	A	-16.85	6.89	10.00	275.00	5.00	-5.00	0.50			
4	A	3.35	9.49	10.00	280.00	5.00	-5.00	0.50			
5	A	20.81	12.50	10.00	285.00	5.00	-5.00	0.50			
6	B	-14.89	16.14	8.00	280.00	5.00	-5.00	0.50			
7	B	-32.89	14.25	8.00	270.00	5.00	-5.00	0.50			
8	B	-61.41	14.98	5.00	270.00	5.00	-5.00	0.50			

Horizontal Illuminance (lux)



Results

Eav	30.95
Emin	14.24
Emax	73.44
Emin/Emax	0.19
Emin/Eav	0.46