

DATE: 25 November 2013
DESIGNER: CEW
PROJECT No: 876143
PROJECT NAME: New Lane, Havant



Lighting design to BS5489
Category S5
Road width 9m
Staggered arrangement - Max spacing

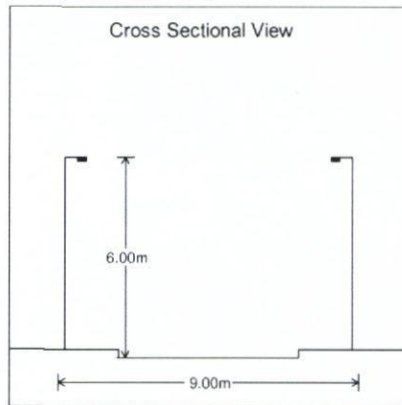
Roadway Lighting Report

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

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Roadway Report Summary

Layout



Road Data

Calculation Grid	EN13201 Illuminance
Width (m)	9.00
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	1.80
Right Footpath(m)	1.80

Main Lighting

Column Data

Configuration	Staggered
Spacing (m)	43.00
Height (m)	6.00
Tilt (deg)	0.00
Left Setback (m)	1.60
Left Outreach (m)	0.50
Left Overhang (m)	-1.10
Right Setback (m)	1.60
Right Outreach (m)	0.50
Right Overhang (m)	-1.10

Luminaire Data

Supplier	Metcraft
Type	Winston 4 MPO P2
Lamp(s)	45 W CPO
Lamp Flux (klm)	4.30
File Name	W4P45CPOGBP2.klt
Maintenance Factor	0.82
Lum. Int. Class	None

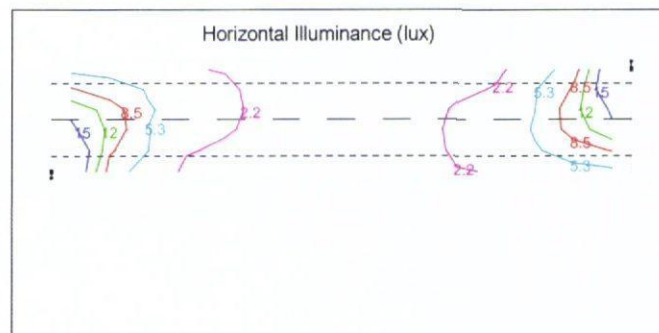


Results

Main

Complies with S5

Eav	4.49
Emin	0.62
Emax	19.49
Emin/Emax	0.03
Emin/Eav	0.14



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Horizontal Illuminance (lux)

4.7	4.3	3.4	2.3	2.1	1.2	0.8	0.6	0.6	0.7	1.1	1.7	3.8	6.8	19.3
8.8	6.9	5.0	3.2	2.6	1.4	1.0	0.8	0.8	1.1	1.8	2.4	5.1	9.0	19.5
14.0	10.1	5.6	3.8	2.7	1.5	1.1	0.8	1.0	1.5	2.5	3.2	5.2	10.7	15.6
15.6	10.7	5.2	3.2	2.5	1.5	1.0	0.8	1.1	1.5	2.7	3.8	5.6	10.1	14.0
19.5	9.0	5.1	2.4	1.8	1.1	0.8	0.8	1.0	1.4	2.6	3.2	5.0	6.9	8.8
19.3	6.8	3.8	1.7	1.1	0.7	0.6	0.6	0.8	1.2	2.1	2.3	3.4	4.3	4.7