

**DATE:** 29 May 2019  
**DESIGNER:** Dhanashree Patil  
**PROJECT No:** 70021598  
**PROJECT NAME:** NWRR



NWRR-WSP-HLG-0000-CA-EO-00002  
Lighting classifications are to NCC requirements.  
BS5489 Classification P6.  
Staggered Arrangement 48m Max.

Required Levels : Eav : 2 to 3 , Emin : 0.40

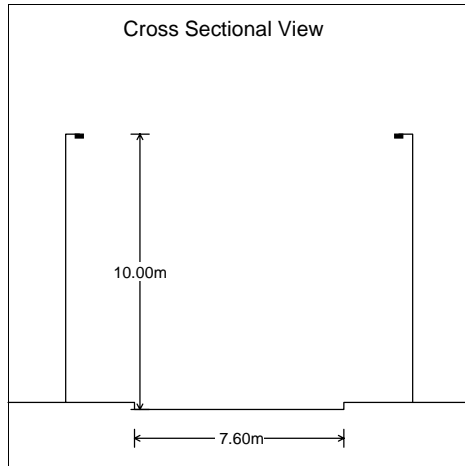
## **Roadway Lighting Report**

**PREPARED BY:** Design Software from:  
Lighting Reality Ltd  
Park Business Centre  
Wood Lane  
Erdington  
Birmingham  
B24 9QR  
United Kingdom

e-mail: [sales@lightingreality.com](mailto:sales@lightingreality.com)  
website: [www.lightingreality.com](http://www.lightingreality.com)

## Roadway Report Summary

### Layout



### Road Data

Calculation Grid	2015:EN13201 Illuminance
Width (m)	7.60
No. of Lanes	2
Road Surface	C2
Q0	0.07
Left Footpath(m)	0.00
Right Footpath(m)	0.00

### Main Lighting



#### Column Data

Configuration	Staggered
Spacing (m)	48.00
Height (m)	10.00
Tilt (deg)	0.00
Left Setback (m)	2.50
Left Outreach (m)	0.50
Left Overhang (m)	-2.00
Right Setback (m)	2.50
Right Outreach (m)	0.50
Right Overhang (m)	-2.00

#### Luminaire Data

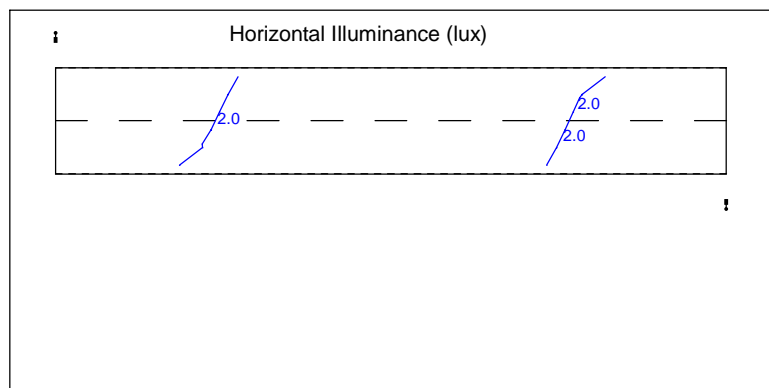
Supplier	Philips
Type	BGP615 DS50
Lamp(s)	LED-HB 5S/740
Lamp Flux (klm)	5.80
File Name	Luma Micro_BGP615_DS50_5800_20LED_560mA_5S_CLO L90_NW.ies
Maintenance Factor	0.79
Lum. Int. Class	G6

### Results

#### Main

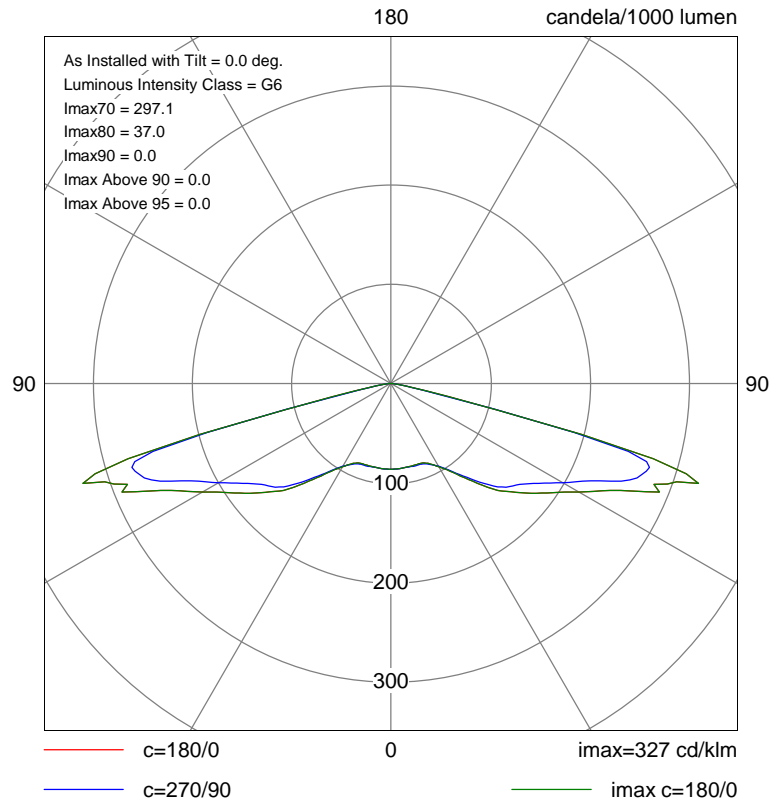
Complies with P6

Eav	2.01
Emin	1.28
Emax	3.50
Emin/Emax	0.37
Emin/Eav	0.64

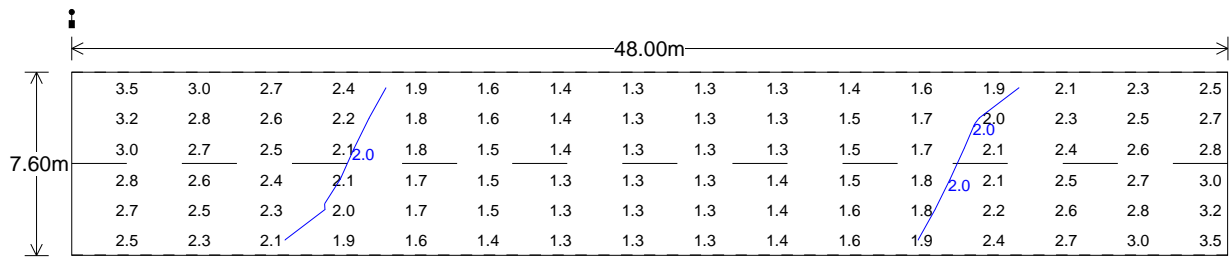


## Polar Diagram

### Main Luminaire BGP615 DS50



## Horizontal Illuminance (lux)



### Main Results

Eav	2.01
Emin	1.28
Emax	3.50
Emin/Emax	0.37
Emin/Eav	0.64