

**DATE:** 19 November 2015  
**DESIGNER:** Mark Gabbitas  
**PROJECT No:** 097409  
**PROJECT NAME:** Innocent Path Edinburgh (6m MH)

**PHILIPS**

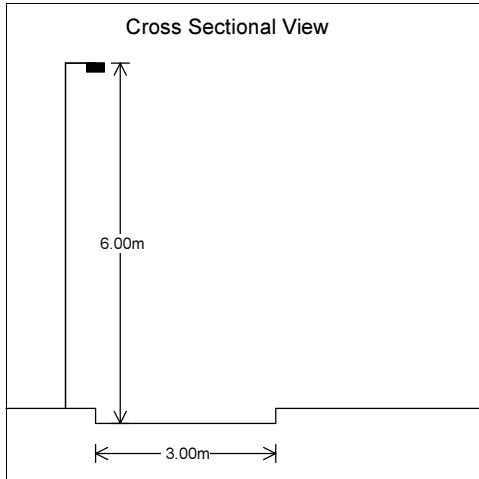
3m Wide Footpath / 6m mounting height  
lighting class P4  
single sided spacing = 28.5 - 42.5m

## Roadway Lighting Report

**PREPARED BY:** Philips Lighting  
Philips Centre, Guildford Business Park  
Guildford, Surrey GU2 8XH  
Telephone: 01483 298935 Fax: 01483 575534  
Web: [www.lighting.philips.co.uk](http://www.lighting.philips.co.uk)

## Roadway Report Summary

### Layout



### Road Data

Calculation Grid	BS5489 2013 Illuminance
Width (m)	3.00
No. of Lanes	1
Road Surface	R2
Q0	0.07
Left Footpath(m)	0.00
Right Footpath(m)	0.00

### Main Lighting

#### Column Data

Configuration	Single Sided Left
Spacing (m)	42.50
Height (m)	6.00
Tilt (deg)	0.00
Setback (m)	0.50
Outreach (m)	0.50
Overhang (m)	0.00

#### Luminaire Data



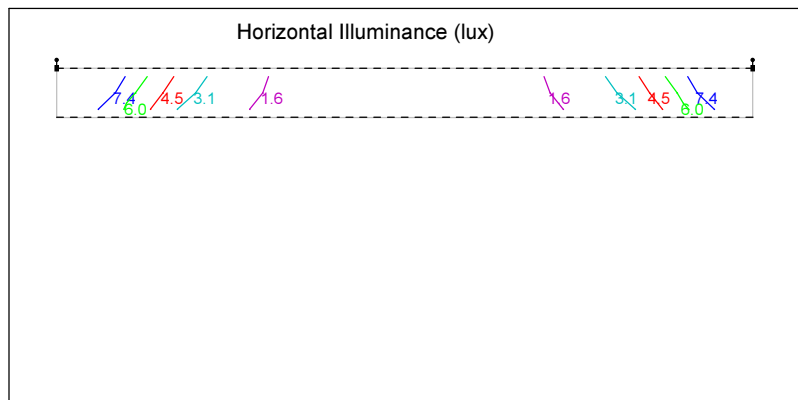
Supplier	Philips
Type	MICROLuma R7
Lamp(s)	12-30 DS-CW 1 1100-7850 CW LED
LampFlux(klm)/Colour	2.00 CW/70
File Name	Micro Luma 1B R7 DS-CW 1 2000 CW LED. Idt
Maintenance Factor	0.67
Lum. Int. Class	G3
Lamp S/P Ratio	1.96

### Results

#### Main

Complies with P4\*  
With S/P ratio = 1.96

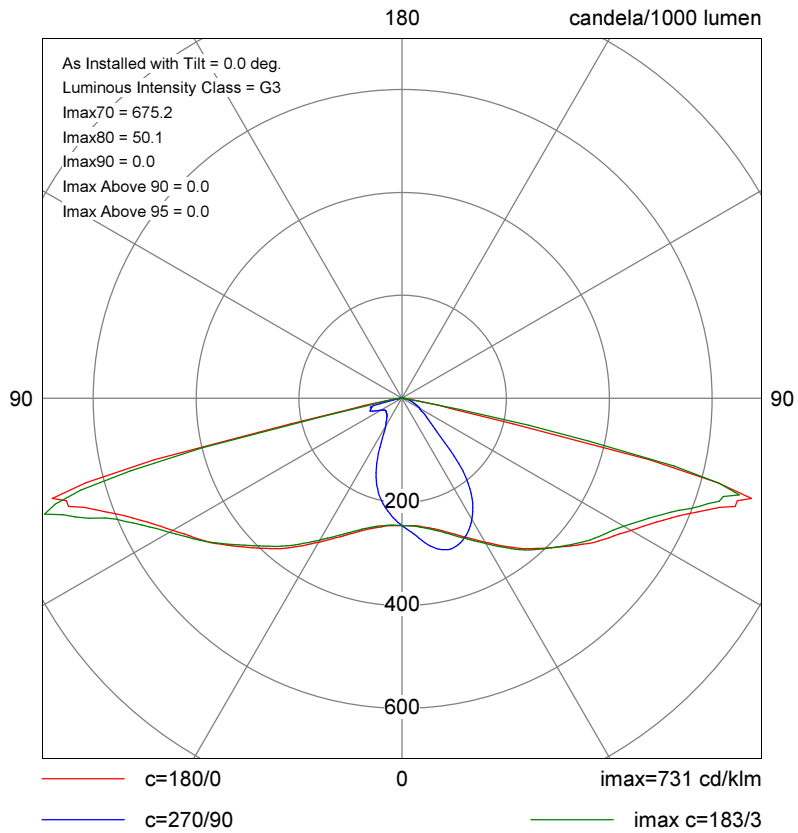
Eav	3.43
Emin	0.91
E <sub>max</sub>	9.62
E <sub>min</sub> /E <sub>max</sub>	0.09
E <sub>min</sub> /E <sub>av</sub>	0.27



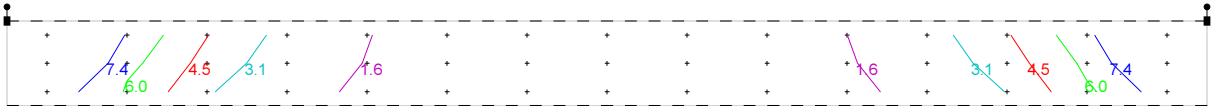
\*The lighting class has been modified using the lamp S/P ratio in accordance with PLG03 With Eav from 3.42 to 5.13 and Emin 0.68

## Polar Diagram

### Main Luminaire MICROLuma R7



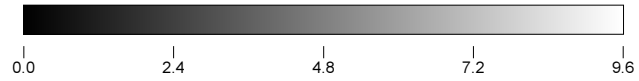
## Horizontal Illuminance (lux)



### Main Results

Eav	3.43
Emin	0.91
Emax	9.62
Emin/Emax	0.09
Emin/Eav	0.27

## Horizontal Illuminance (lux)



## Horizontal Illuminance (lux)

+9.4	+7.2	+4.4	+2.5	+1.6	+1.1	+1.0	+1.1	+1.0	+1.1	+1.6	+2.5	+4.4	+7.2	+9.4
+9.6	+6.5	+3.8	+2.3	+1.5	+1.1	+1.0	+1.0	+1.0	+1.1	+1.5	+2.3	+3.8	+6.5	+9.6
+8.4	+5.7	+3.2	+2.0	+1.4	+1.0	+0.9	+0.9	+0.9	+1.0	+1.4	+2.0	+3.2	+5.7	+8.4