



Warblington Footpath

Date: 12-12-2013
Customer: Havant Borough Council
Customer Representative: Tracey Ford

Designer: Stephen Bowen

Description: Design Parameters:
- 6m Column
- Post Top Mini Iridium LED GRN24/830

Calculation produced to show spill light on surrounding area

All shading in blue shows light level below 0.1 lux.

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

Philips WRTL Lighting

Waterside Park
Goldshill Way
Tipton
West Midlands
DY4 0PU
Telephone: 0121 521 1234
Mobile Phone: 07881 775082
E-Mail: stephen.bowen@philips.com

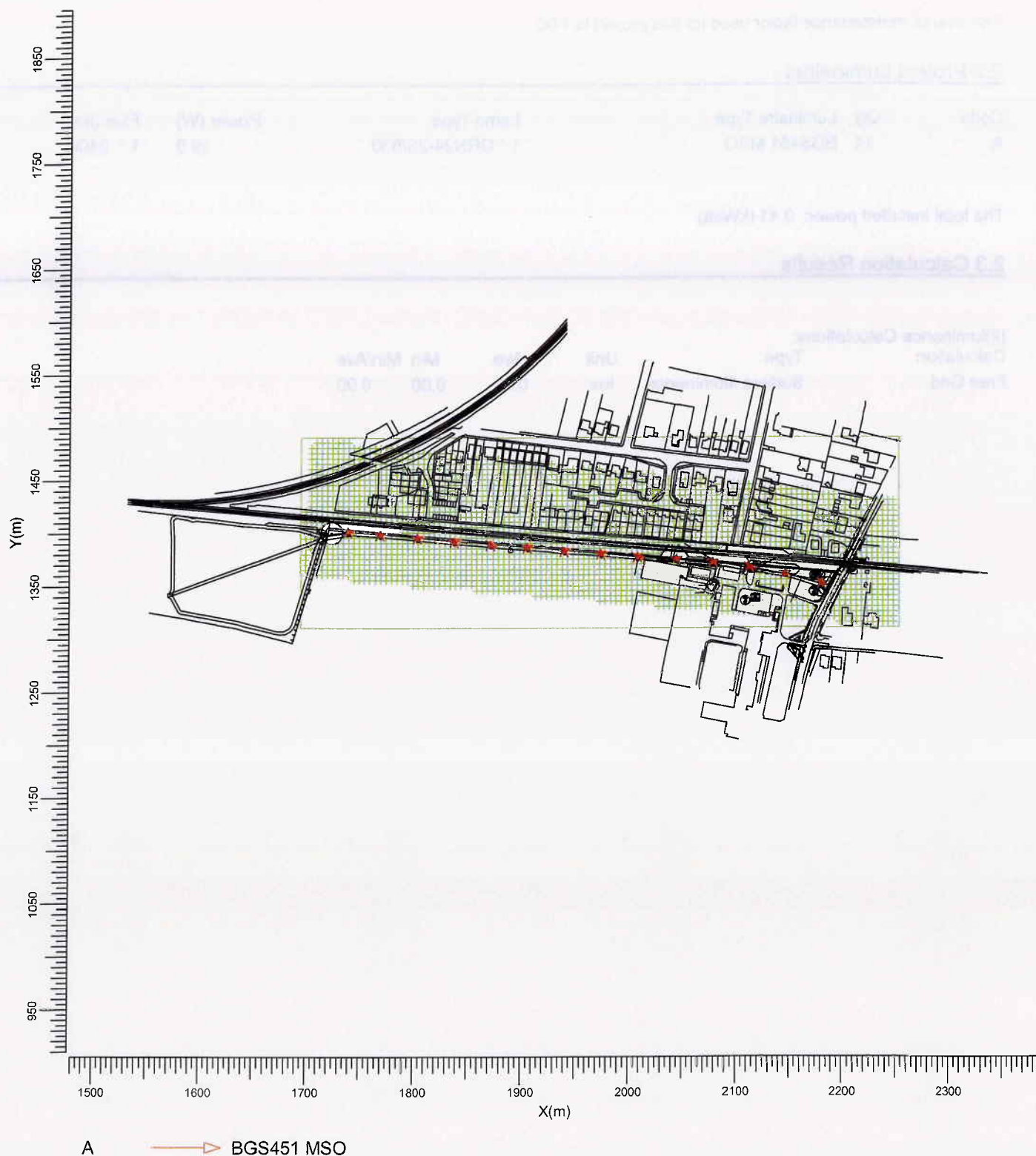
CalcuLuX Area 7.7.0.1

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1. Project Description

1.1 Top Project Overview



Scale
1:5000

2. Summary

2.1 General Information

The overall maintenance factor used for this project is 1.00.

2.2 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
A	14	BGS451 MSO	1 * GRN24-2S/830	29.0	1 * 2400

The total installed power: 0.41 (kWatt)

2.3 Calculation Results

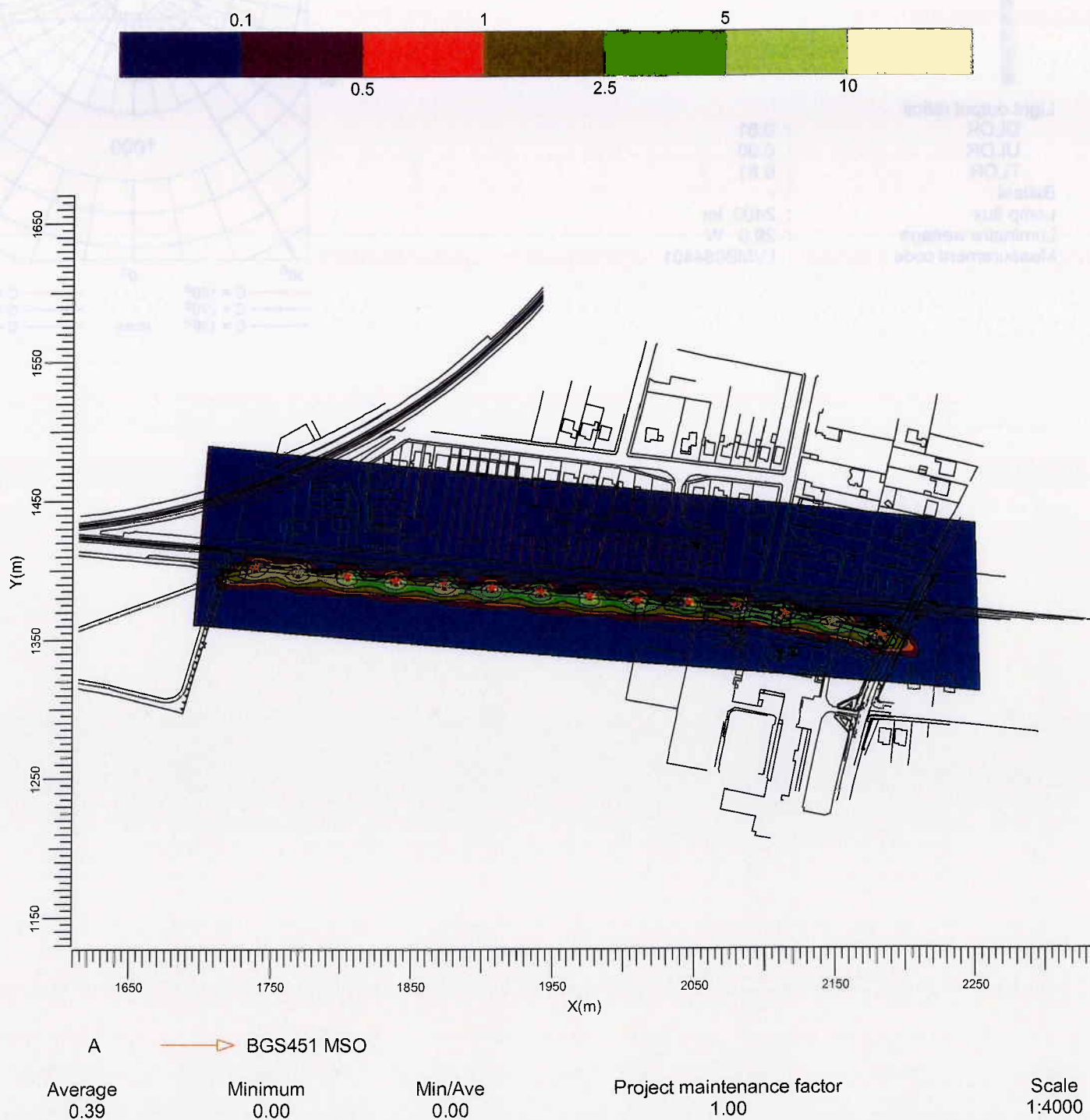
(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min	Min/Ave
Free Grid	Surface Illuminance	lux	0.39	0.00	0.00

3. Calculation Results

3.1 Free Grid: Filled Iso Contour

Grid : Free Grid at Z = 0.00 m
Calculation : Surface Illuminance (lux)



4. Luminaire Details

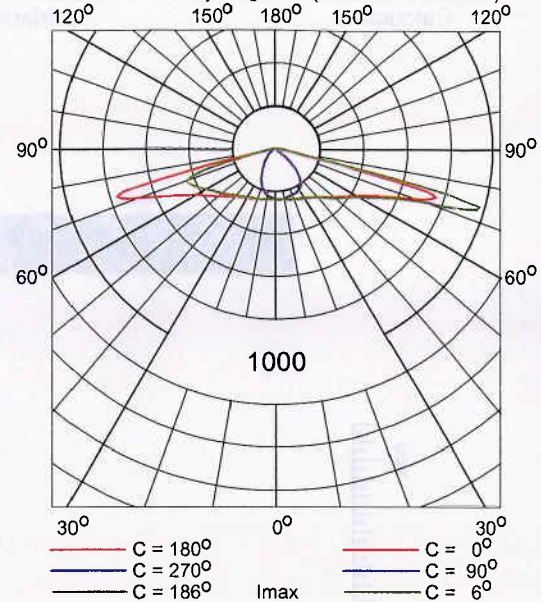
4.1 Project Luminaires

Iridium LED Mini
BGS451 1xGRN24-2S/830 MSO



Light output ratios	
DLOR	: 0.81
ULOR	: 0.00
TLOR	: 0.81
Ballast	: -
Lamp flux	: 2400 lm
Luminaire wattage	: 29.0 W
Measurement code	: LVMB054401

Luminous Intensity Diagram (candela/1000 lumen)



5. Installation Data

5.1 Legends

Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
A	14	BGS451 MSO	1 * GRN24-2S/830	1 * 2400

5.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * A	1739.56	1401.79	6.00	-80.4	10.0	0.0
1 * A	1769.60	1398.49	6.00	-93.7	10.0	0.0
1 * A	1804.72	1395.47	6.00	-93.7	10.0	0.0
1 * A	1839.13	1392.21	6.00	-93.7	10.0	0.0
1 * A	1872.99	1389.23	6.00	-93.7	10.0	0.0
1 * A	1907.59	1386.56	6.00	-93.7	10.0	0.0
1 * A	1942.02	1383.41	6.00	-93.7	10.0	0.0
1 * A	1976.67	1380.53	6.00	-93.7	10.0	0.0
1 * A	2010.45	1377.46	6.00	-93.7	10.0	0.0
1 * A	2046.52	1375.85	6.00	-93.7	10.0	0.0
1 * A	2081.14	1372.91	6.00	-93.7	10.0	0.0
1 * A	2114.53	1367.86	6.00	-98.4	10.0	0.0
1 * A	2148.84	1361.86	6.00	-97.7	10.0	0.0
1 * A	2182.57	1352.36	6.00	-104.4	10.0	0.0