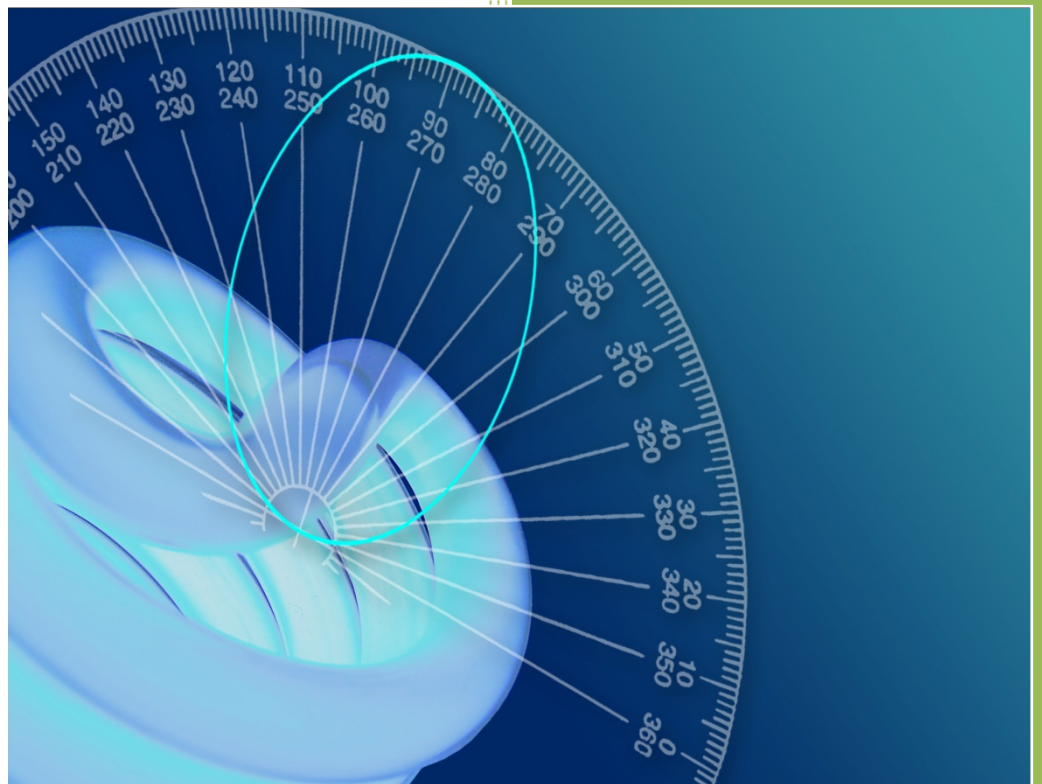


# Photometric Test Report



Photometric and Optical Testing  
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## POTS Photometric Test Report

Report Number: POTS/12011_3	Report Date: 03-02-2012	Prepared By: G John
Test Laboratory: Photometric and Optical Testing Services, Cotswold Business Centre, 42 A P Ellis Road, Rissington Business Park, Upper Rissington, Gloucestershire, GL54 2QB		
Company Registration Number: Registered in England & Wales No. OC352911		
Registered Address: Thistle Down Barn, Holcot Lane, Sywell, Northampton, NN6 0BG		

### Client Details

Contact:	Company: LEDlite
Address:	
	Email: info@ledlite.co.uk

### Details of Product Tested

Manufacturer: LEDLite	Source Type: Fire rated dimmable downlight
Model: 50 degree wide warmer white	Serial Number: LTFD12WW
Description: LED downlight	
Lamp Type: LED	
Power Supply Used: Interruptible AC power supply	
Input voltage(V): 241.2	Input Current (mA): 52
Input power(W): 9.929	Power factor: 0.7760
Length of luminaire (mm):80	Diameter of Luminaire (mm): 80

Results	
Flux (lumens): 547.5 lumens	
CIE 1931 Chromaticity Cx: 0.4472	CIE 1931 Chromaticity Cy: 0.4211
CRI (%): 59.90	CCT (K): 2972

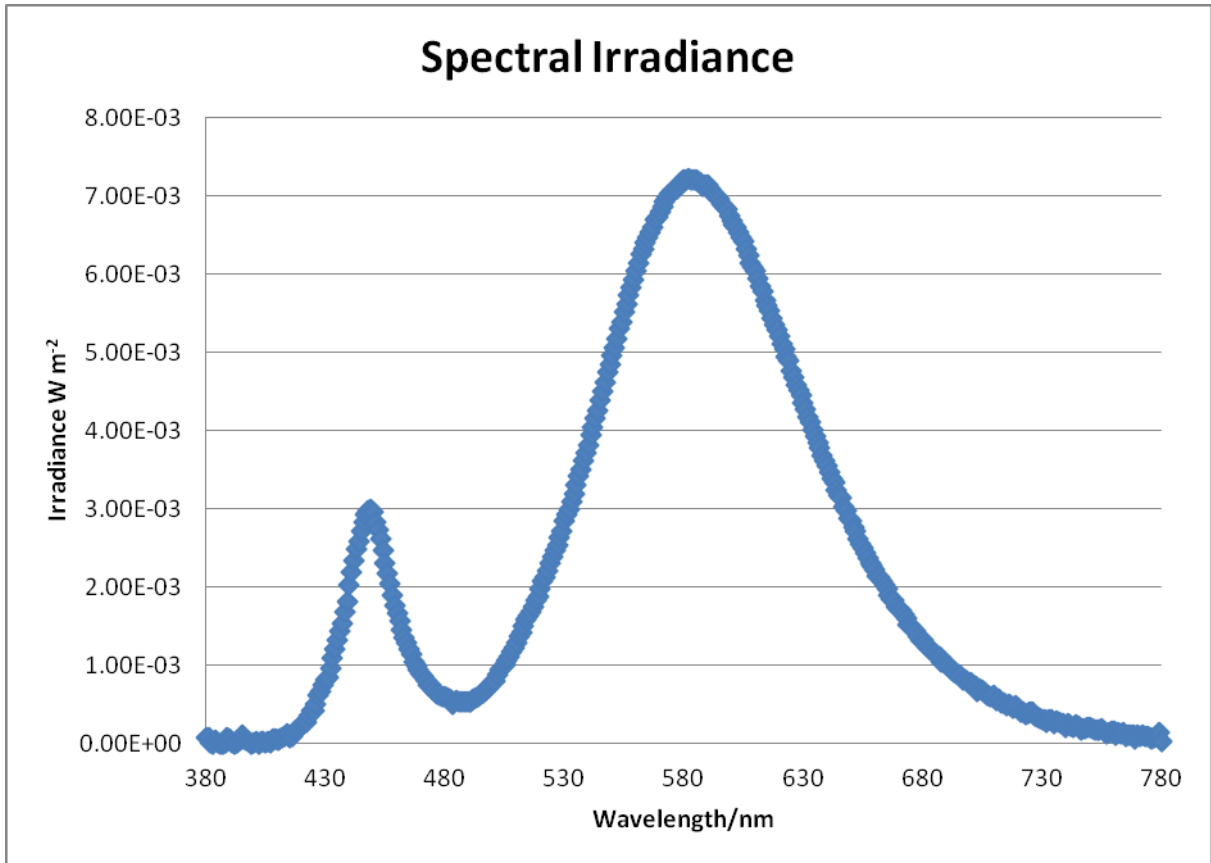


Figure 1: Spectral Irradiance

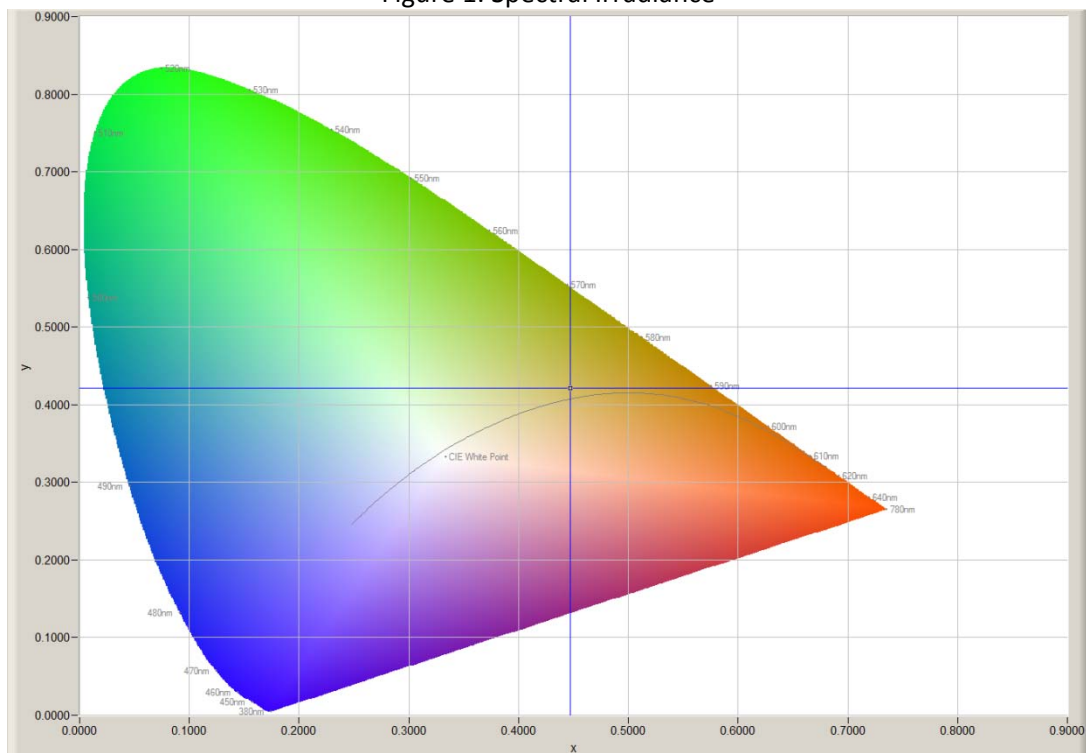


Figure 2: CIE 1931 2° Chromaticity Diagram

Goniophotometer Test		
Date of Test: 31-01-2012	Ambient Temperature: 25°C	
Measurement Filename: 50 deg wide w warm		
Instrument Used: Radiant Imaging NFMS0800 Goniometer with ProMetric PM-1200N-1 Imaging Photometer		
Photometer Working Distance: 2m	Measurement Geometry: Far-Field	
Comments:		
Reference Photometer Used: Specbos1201	Reference Photometer Serial Number: 2911670	
Traceable: to NPL standards, UKAS Accredited	Calibration Certificate Number: 121104	
Calibration Certificate Date: 25 <sup>th</sup> October 2011	Sample Stabilisation Time (minutes):60	
Reference Photometer Calibration Uncertainty: $\pm 2.4\%$ ( $k=2$ , 20-200 lux, CIE illuminant A source)		
Scan Set Up		
Direction	Range	Increment
Inclination Zone 1	0-90°	3°
Azimuth	0-360°	10°
Results (after stabilisation)		
Integrated Luminous Flux (lumens): 547.5	Peak Intensity (1° Spot, candelas): 1378.1	
Beam Angle (50% of max intensity C0-180, degrees): 35.0		
Photometric Filename (IES LM-63-2002): 50 deg wide w warm		
IES File – Absolute or Relative Format? Absolute		
Photometric Filename (EULUMDAT): 50 deg wide w warm		
EULUMDAT File – Absolute or Relative Format? Absolute		

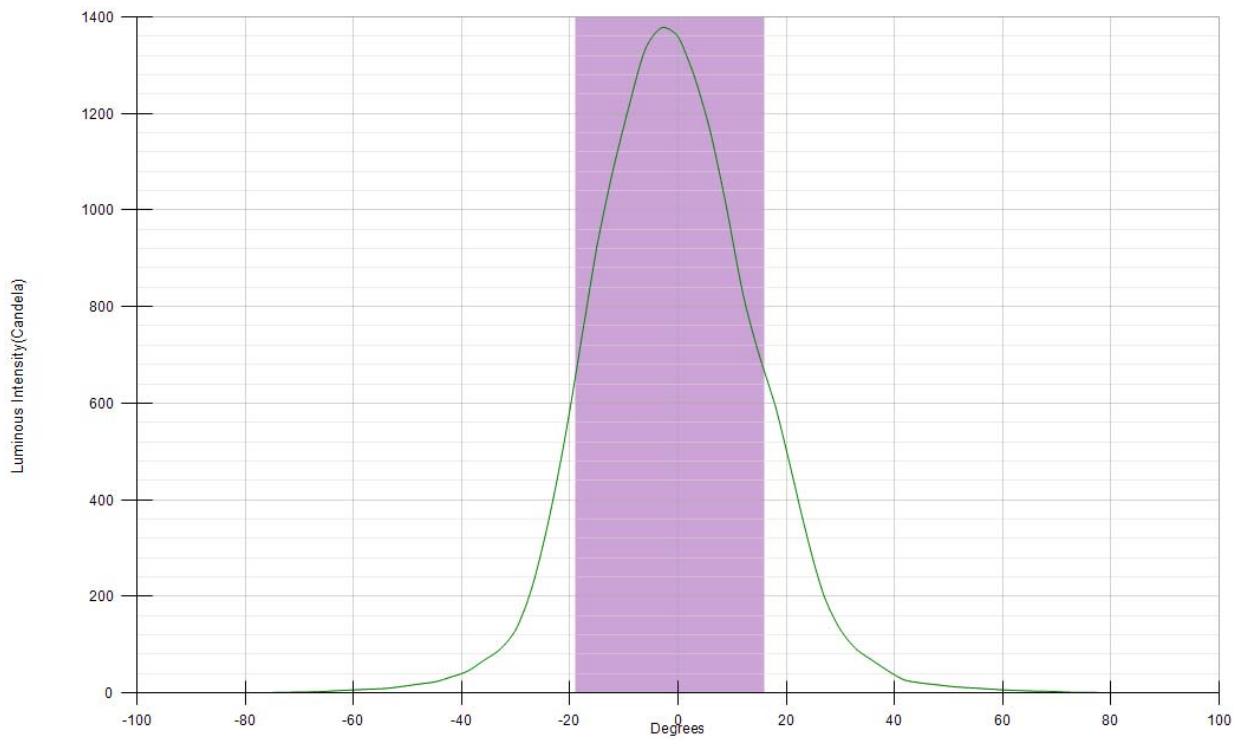


Figure 3: Far-Field Luminous Intensity (C0-180, Cartesian Coordinates)

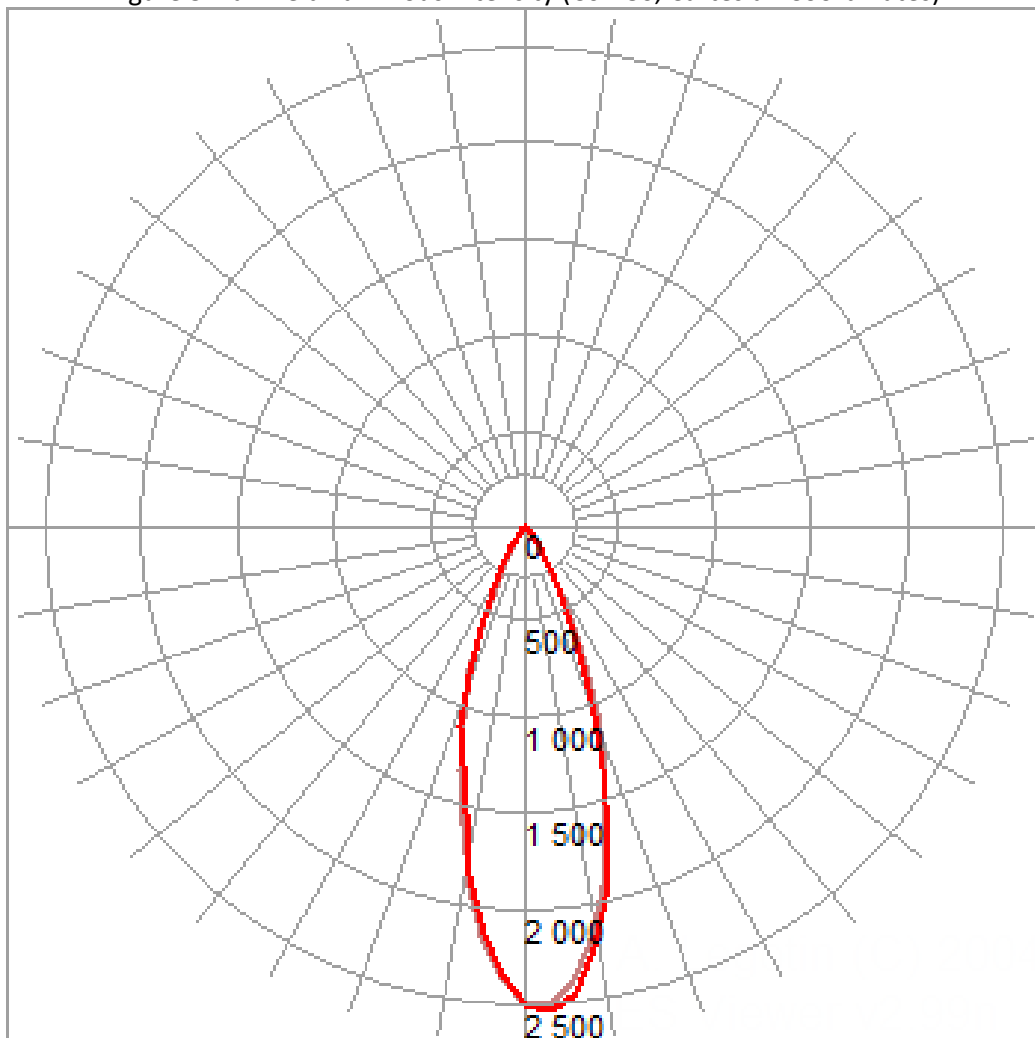


Figure 4: Far-Field Luminous Intensity (C0-180, C90-270, Polar Coordinates)

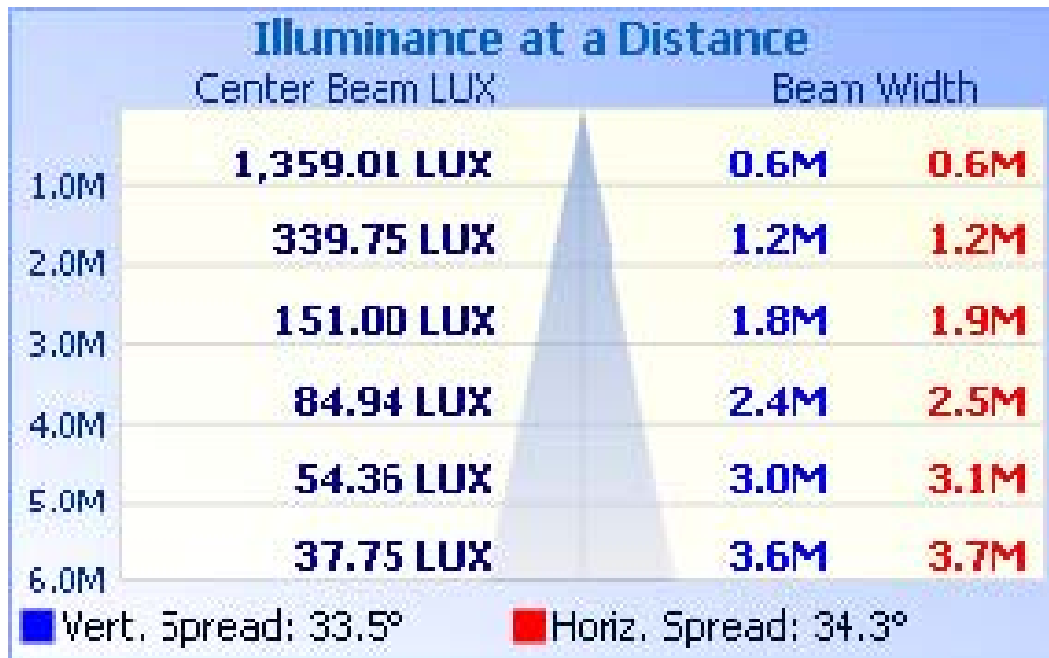


Figure 5. Illuminance cone diagram.







87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 1. Luminous intensity values

Signature:

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Print Name:

GH JOHN

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Date:

03-02-2012

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Partner / Director

*Duly authorised to sign on behalf of:*

Photometric and Optical Testing Services LLP