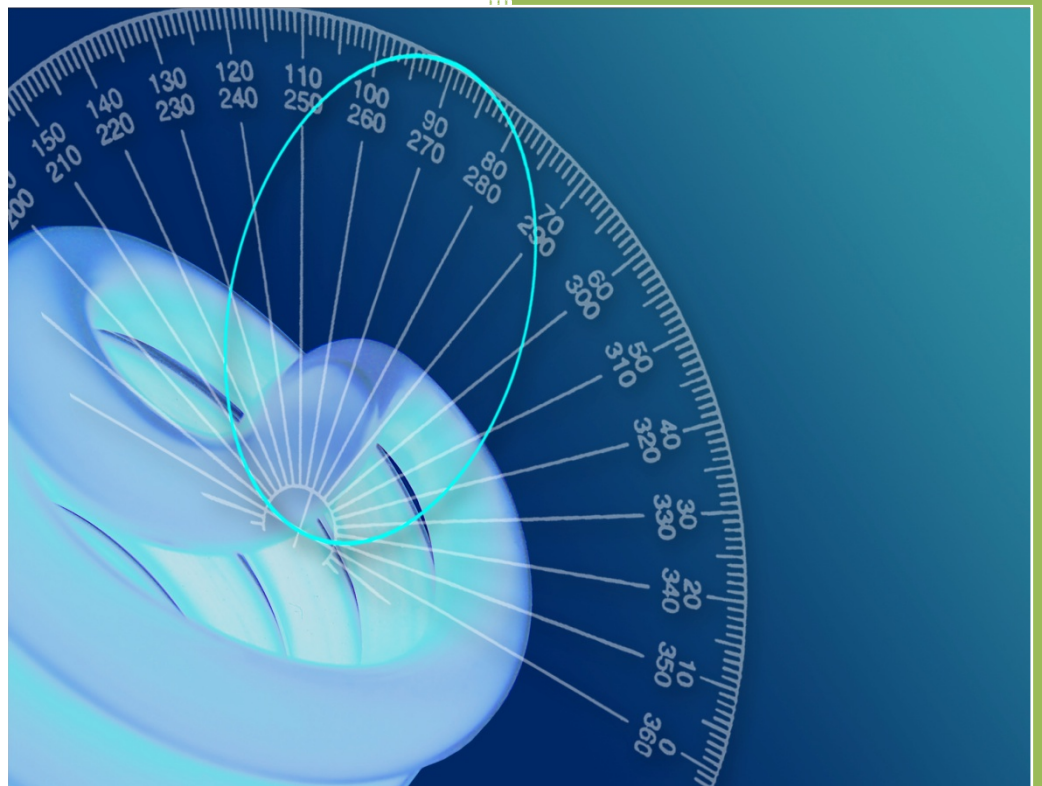


Photometric Test Report



Photometric and Optical Testing
Services
Cotswold Business Centre
42 A P Ellis Road
Rissington Business Park
Upper Rissington
Gloucestershire
GL54 2QB
UK
Tel: 01451 812 222
Fax: 01451 812 201

POTS Photometric Test Report

Report Number: POTS/12011_1	Report Date: 02-02-2012	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 cool white/daylight	Serial Number: LTFD12DL
Description: LED downlight	
Lamp Type:LED	
Power Supply Used: Interruptible AC power supply	
Input voltage(V): 242.4	Input Current (mA): 54
Input power(W): 10.14	Power factor: 0.772222
Length of luminaire (mm):80	Diameter of Luminaire (mm): 80

Results	
Flux (lumens): 628.8 lumens	
CIE 1931 Chromaticity Cx:	CIE 1931 Chromaticity Cy:
CRI (%):	CCT (K):

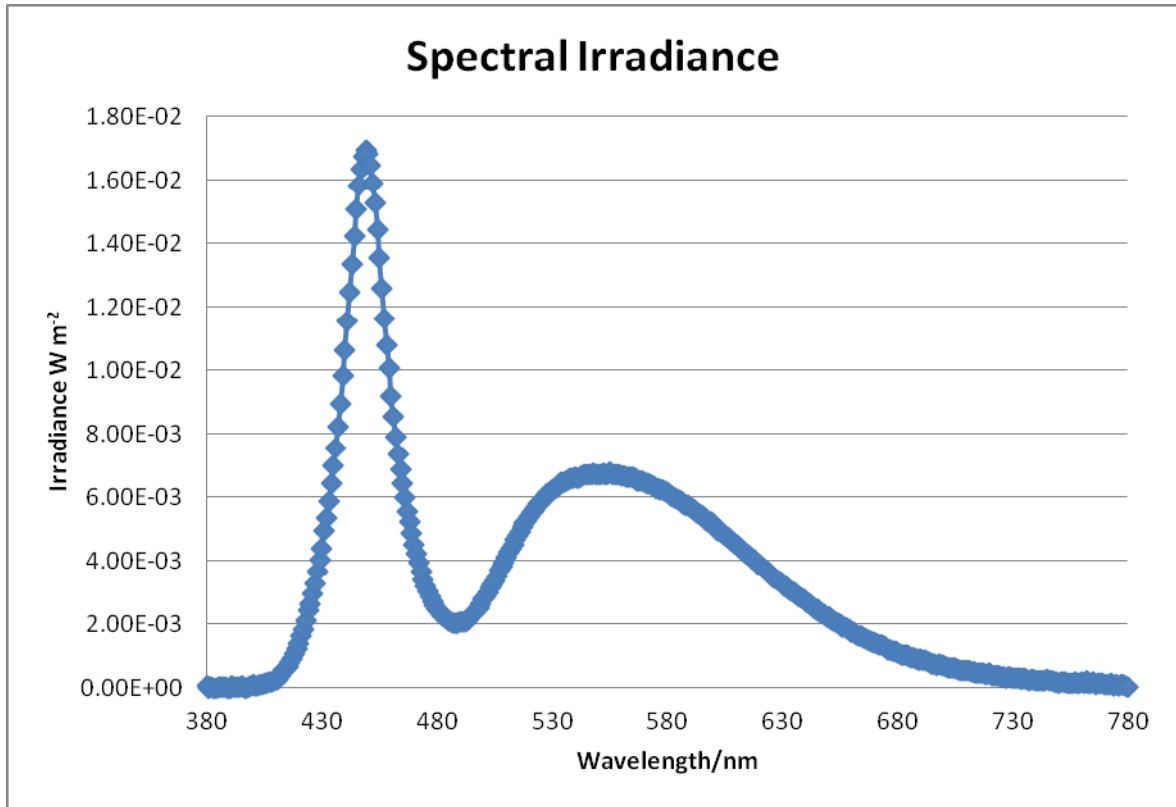


Figure 1: Spectral Irradiance

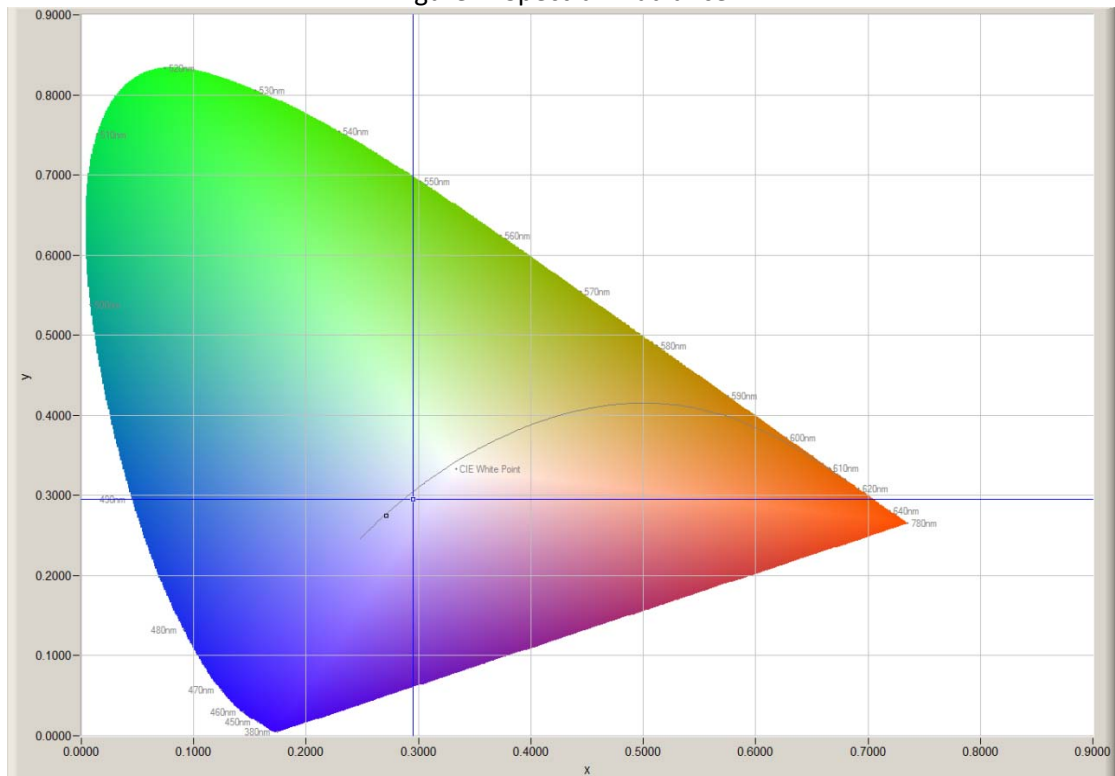


Figure 2: CIE 1931 2° Chromaticity Diagram

Goniophotometer Test		
Date of Test: 27-01-2012	Ambient Temperature: 25°C	
Measurement Filename: 50 deg wide daylight		
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 th 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): 628.8	Peak Intensity (1° Spot, candelas): 1602.0	
Beam Angle (50% of max intensity C0-180, degrees): 36.0		
Photometric Filename (IES LM-63-2002): 50 deg wide daylight		
IES File – Absolute or Relative Format? Absolute		
Photometric Filename (EULUMDAT): 50 deg wide daylight		
EULUMDAT File – Absolute or Relative Format? Absolute		

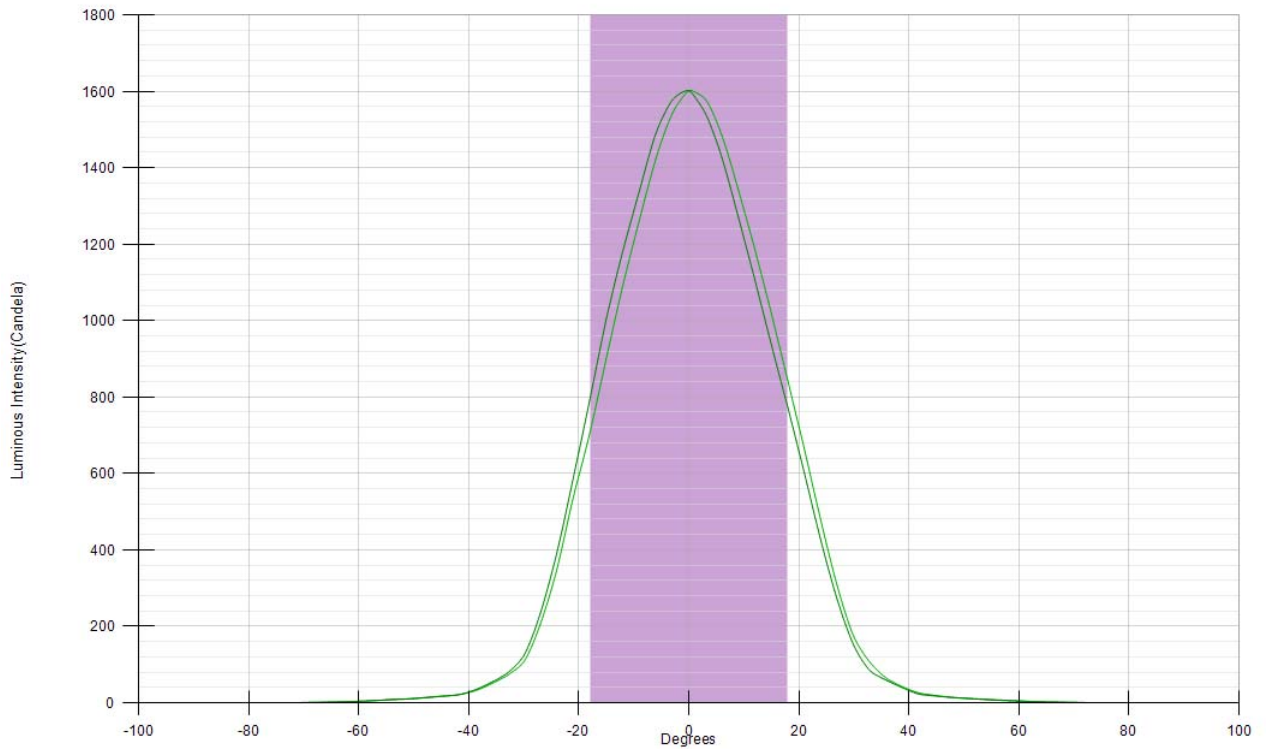


Figure 3: Far-Field Luminous Intensity (C0-180, Cartesian Coordinates)

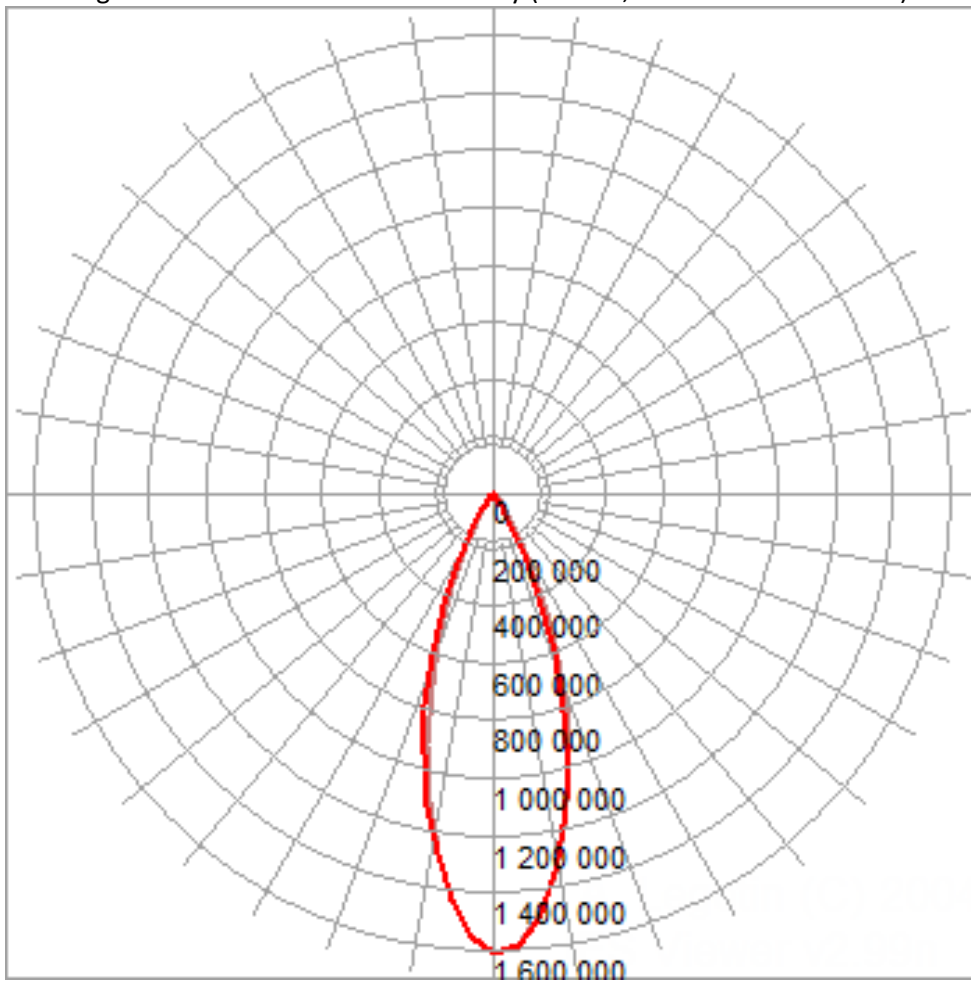


Figure 4: Far-Field Luminous Intensity (C0-180, C90-270, Polar Coordinates)

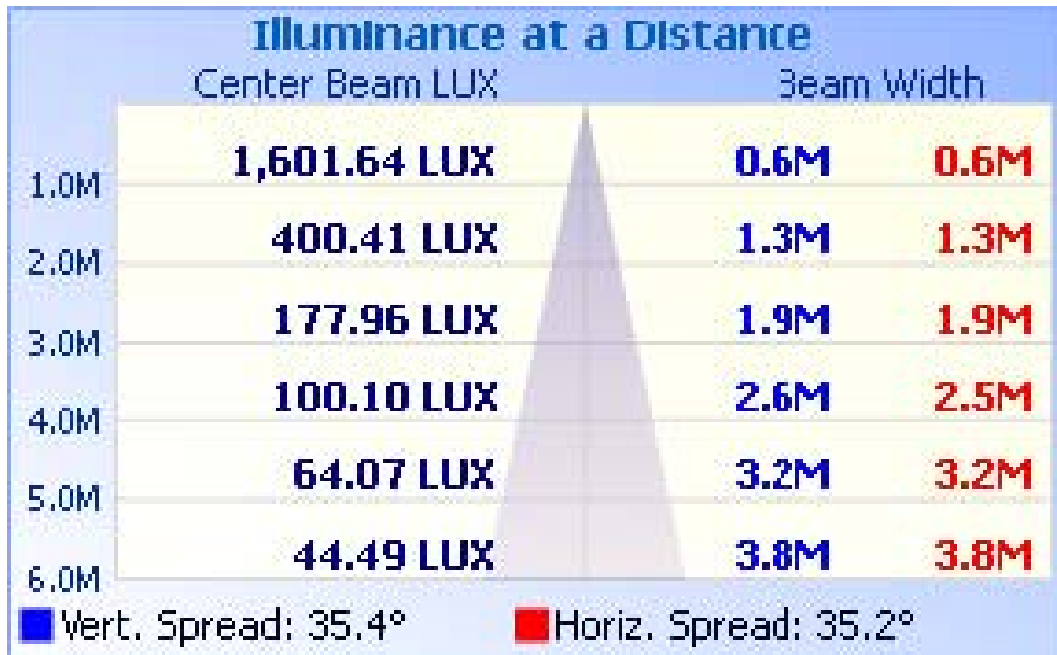


Figure 5. Illuminance cone diagram.

Signature:

Print Name:

GH JOHN

Date:

03-02-2012

Partner / Director

Duly authorised to sign on behalf of:

Photometric and Optical Testing Services LLP