



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2008, ANSI C82.77
CIE 13.3-1995, CIE 15-2004

Prepared For
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Catalog Number
L22T8-G13-N-LV

LTL Test Number
23110

Test Date

2011-04-19

Prepared By

Jeffrey Lockner, Engineer

Approved By

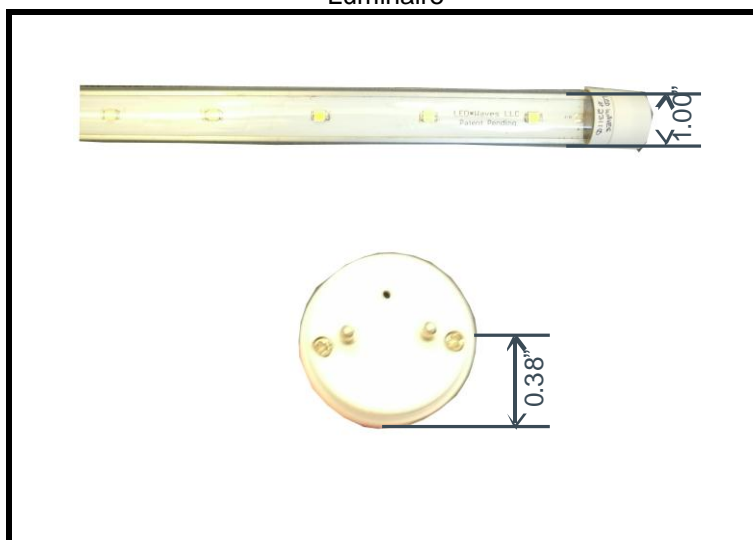
Brian Moyer, Engineer

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Extruded aluminum heatsink housing, clear plastic enclosure
Catalog Number: L22T8-G13-N-LV
Lamp: One 11 watt T8 LED replacement lamp with 24 white LEDs
Mounting: Horizontal

Luminaire



Summary of Results

Radiant Flux: 4709 mW
Luminous Flux: 1537 Lumens
Luminaire Efficacy: 80.2 Lumens/Watt
CCT: 3953 K
CRI (Ra): 76.8
Chromaticity (x): 0.3840
Chromaticity (y): 0.3837
Chromaticity (u): 0.2247
Chromaticity (v): 0.3367
Duv: 0.0021

Test Conditions

Test Temperature: 24.1 °C
Voltage: 120.0 VAC
Current: 0.1621 A
Power: 19.17 W
Power Factor: 0.986
Frequency: 60 Hz

Testing was performed in a Labsphere SLMS7650 two meter integrating sphere using the 4π geometry method, a Labsphere CDS 1100 spectrometer, and LightMtrX software.
Absorption correction was employed for this measurement.

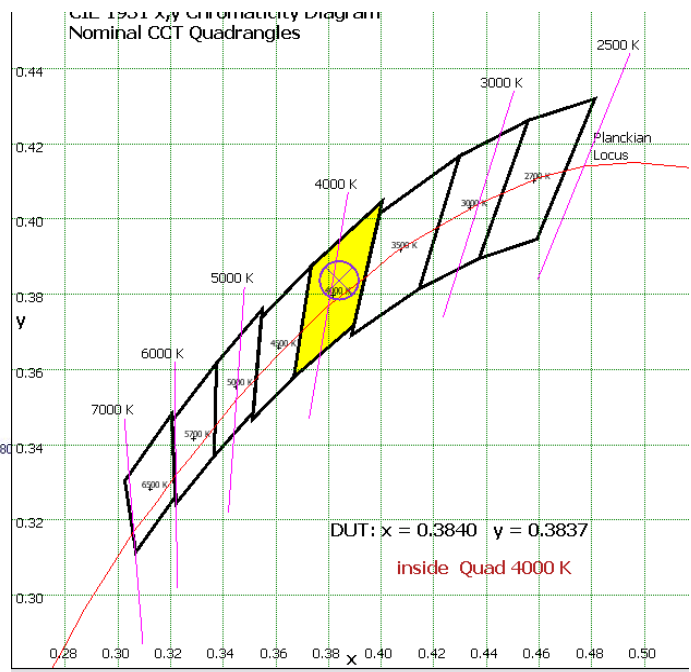
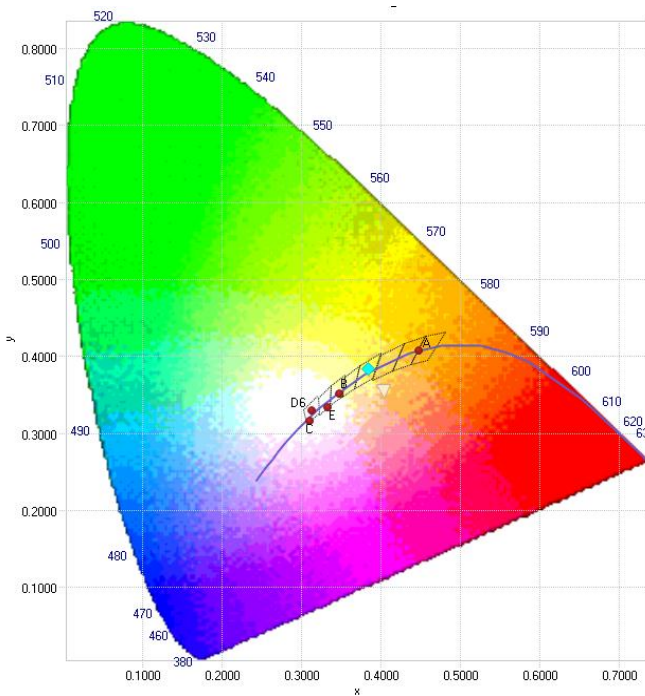


Chromaticity Coordinates

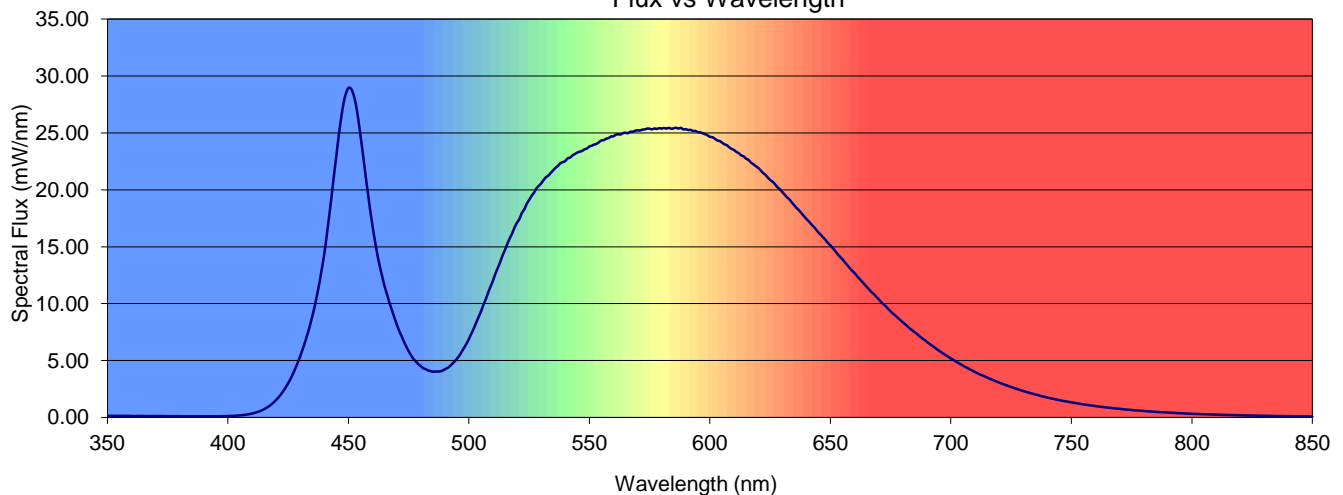
x	y	u	v	u'	v'	Duv
0.3840	0.3837	0.2247	0.3367	0.2247	0.5051	0.0021

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
76.8	75.3	80.9	83.8	77.0	73.6	71.8	86.4	65.9	4.6	52.8	72.3	41.9	75.8	90.4



Flux vs Wavelength





Spectral Power Distribution

Table with 16 columns (λ(nm), mW/nm) and 48 rows of spectral data points.