



## Integrating Sphere Test Report

Relevant Standards

LM-79-2008

Prepared For

Evolucia

Donna Webb

106 Cattleman Road

Sarasota, FL 34232

Catalog Number

CAN12/55-OW/D5/PC/CM/277

LTL Test Number

21907

Test Date

2010-12-18

Prepared By

Signature

Approved By

Signature

Name and Title: Brian Moyer, Engineer

Name and Title: Michael Grather, PDE

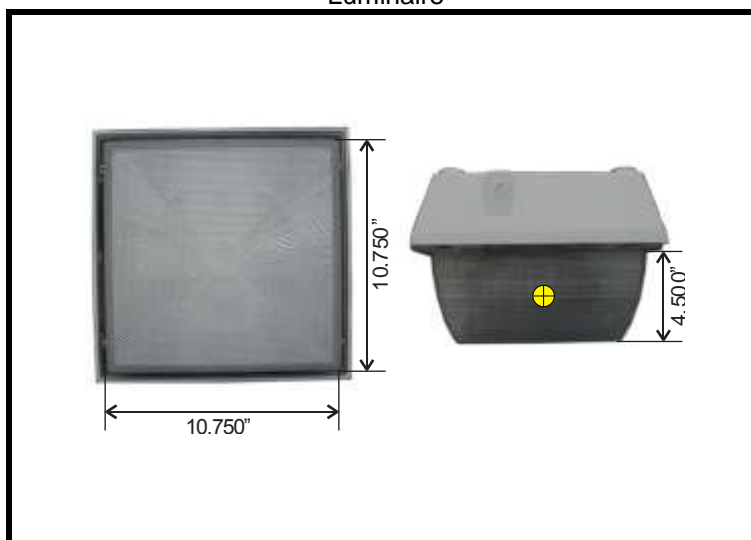
The results contained in this report pertain only to the tested sample.

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Luminaire Description: Cast white enamel aluminum housing, extruded aluminum heatsinks, formed white enamel aluminum reflector, clear prismatic plastic enclosure  
Catalog Number: CAN12/55-OW/D5/PC/CM/277  
Lamp: 20 white LEDs  
Mounting: Surface  
Ballast/Driver: Two Evolucia LED power supplies LDD25-36-C0700

Luminaire



Summary of Results

Radiant Flux: 8308 mW  
Luminous Flux: 2558 Lumens  
Luminaire Efficacy: 50.73 Lumens/Watt  
CCT: 4036 K  
CRI (Ra): 81.6  
Chromaticity (x): 0.3781  
Chromaticity (y): 0.3730  
Chromaticity (u): 0.2250  
Chromaticity (v): 0.3330  
Duv: -0.0017

Test Conditions

Test Temperature: 25.2 °C  
Voltage: 277.0 VAC  
Current: 0.1929 A  
Power: 50.42 W  
Power Factor: 0.943  
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.

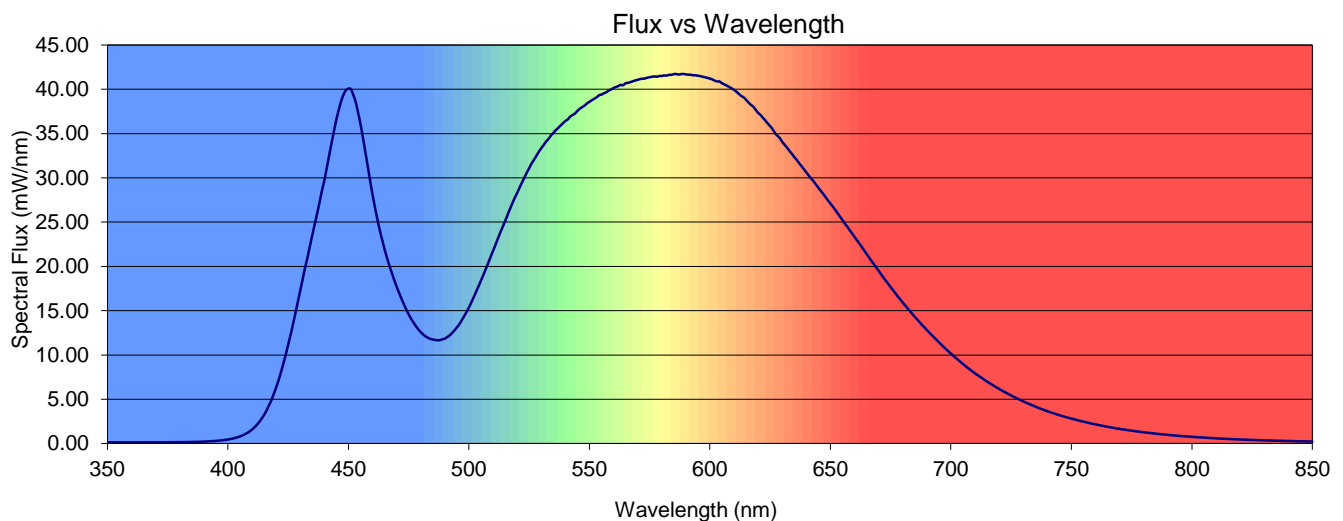
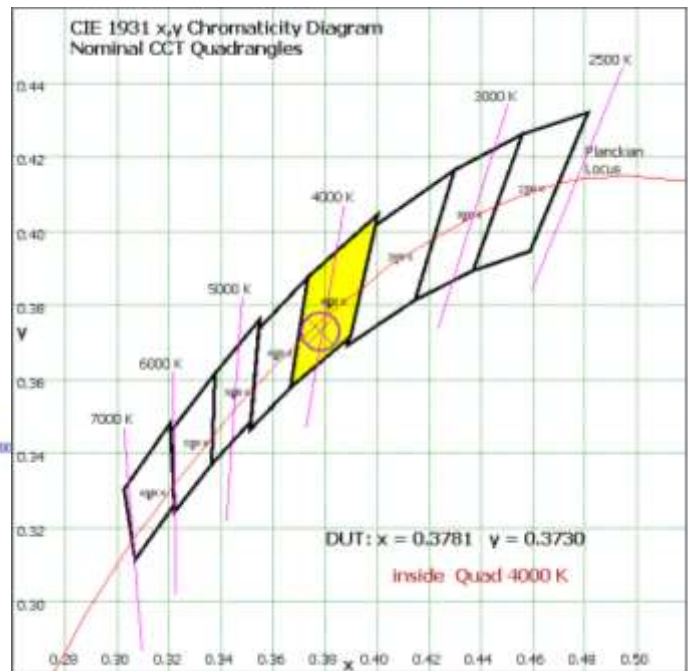
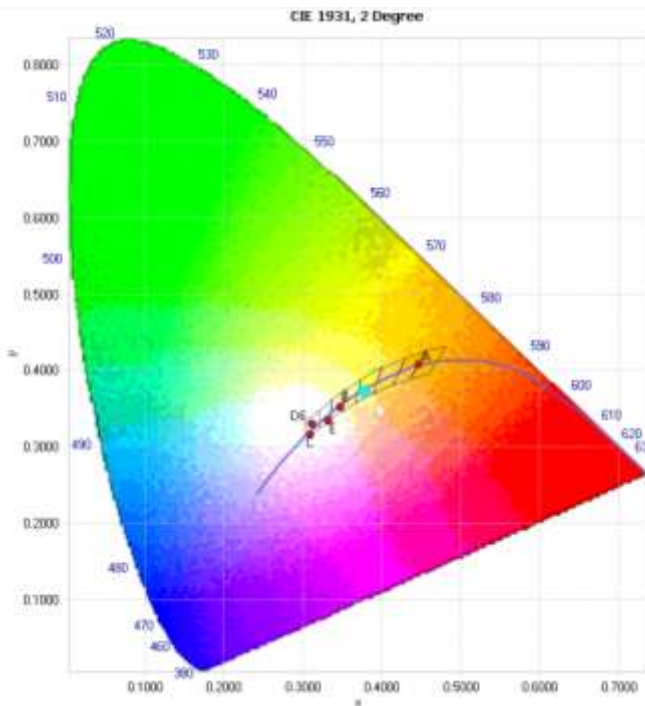


Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.3781	0.3730	0.2250	0.3330	0.2250	0.4996	-0.0017

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
81.6	80.8	85.2	86.8	81.8	79.7	78.3	88.1	72.0	22.7	62.8	78.2	57.7	81.2	92.1





Spectral Power Distribution

Table with 16 columns (λ(nm), mW/nm) and 40 rows of spectral data points.