



## 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

Jireh Optoelectronics / Priority Investments

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Catalog Number

JP55-F300C-55X

LTL Test Number

26047

Test Date

2011-10-04

Prepared By

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Approved By

Brian Moyer, Engineer

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

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Luminaire Description: Cast aluminum housing with clear linear prismatic plastic upper enclosure, formed white enamel aluminum reflector, clear plastic lower enclosure with linear prismatic sections

Catalog Number: JP55-F300C-55X

Lamp: 52 white LEDs

Mounting: Pendant

Ballast/Driver: One Mean Well PLN-60-48

Luminaire



Summary of Results

Radiant Flux: 11290 mW  
Luminous Flux: 3770 Lumens  
Luminaire Efficacy: 63.8 Lumens/Watt  
CCT: 5669 K  
CRI (Ra): 70.4  
Chromaticity (x): 0.3282  
Chromaticity (y): 0.3611  
Chromaticity (u): 0.1966  
Chromaticity (v): 0.3245  
Duv: 0.0117

Test Conditions

Test Temperature: 25.0 °C  
Voltage: 120.0 VAC  
Current: 0.5045 A  
Power: 59.06 W  
Power Factor: 0.975  
Frequency: 60 Hz  
Current THD: 13.4 %

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

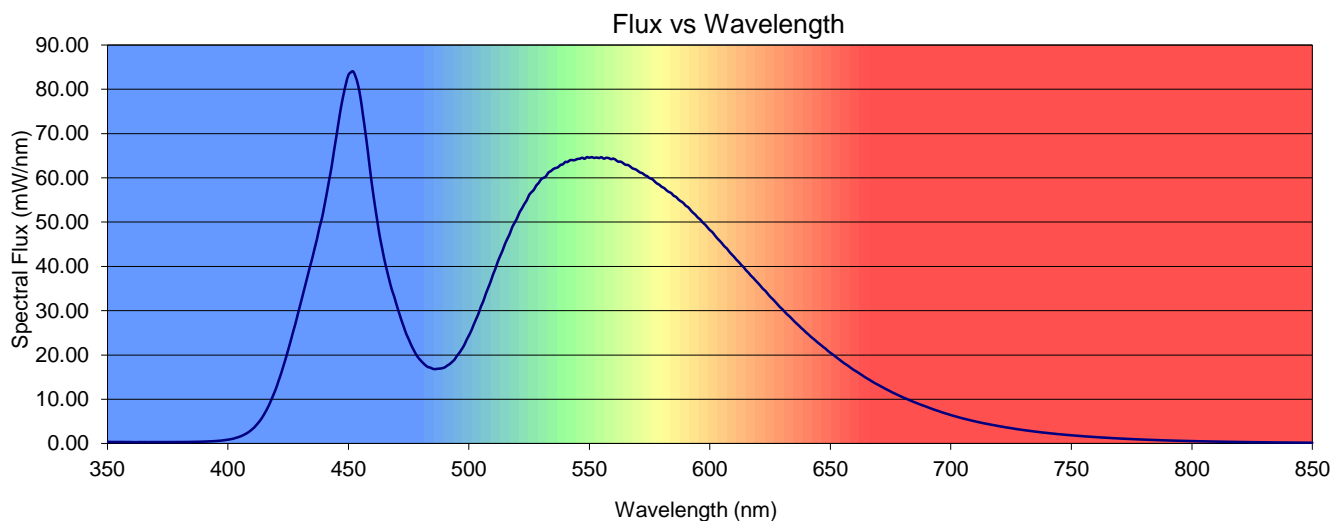
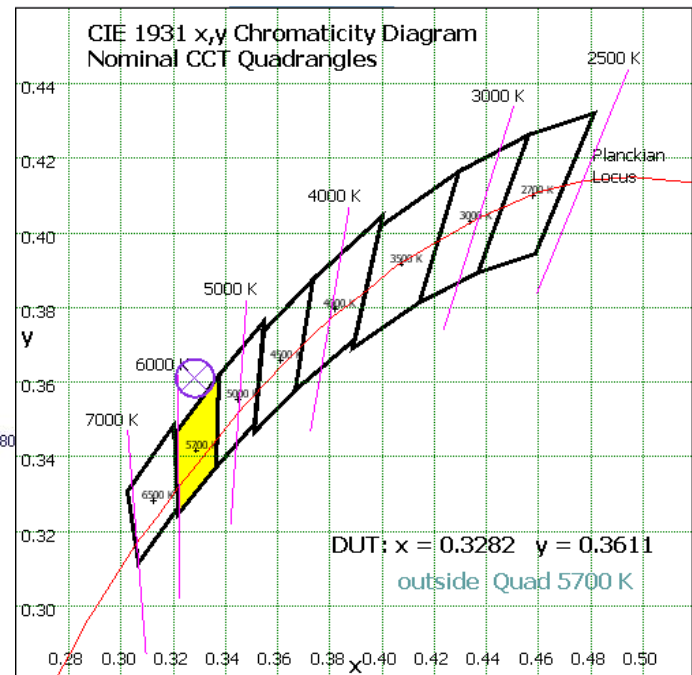
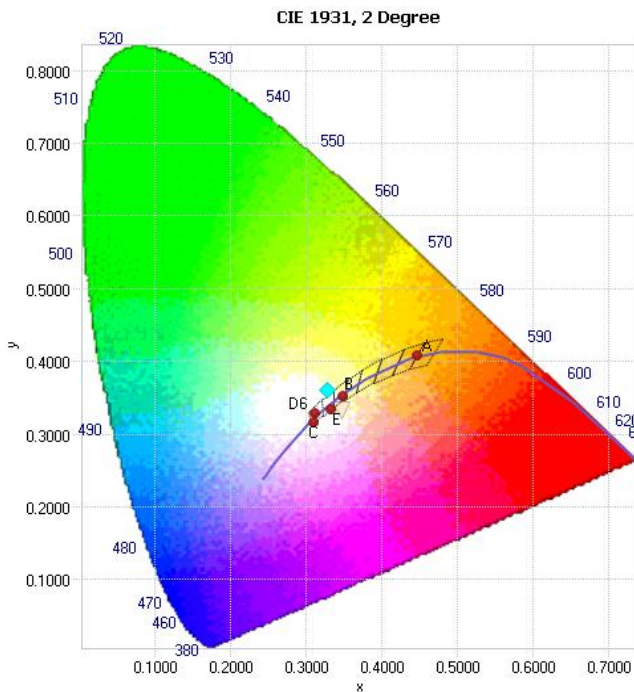


Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.3282	0.3611	0.1966	0.3245	0.1966	0.4867	0.0117

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
70.4	65.4	74.8	82.0	69.8	66.9	66.4	82.6	55.7	-41.3	40.4	64.8	41.3	66.8	89.8





Spectral Power Distribution

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