



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

LEDnovation

Evan O'Sullivan

13053 W. Linebaugh Avenue

Tampa, FL 33626-4451

Catalog Number

LEDH-A19-60-1-27D-O

LTL Test Number

26996

Test Date

2011-12-02

Prepared By

Eric Gaudreau, Technician III

Approved By

Zachary Mooney, Project Coordinator III

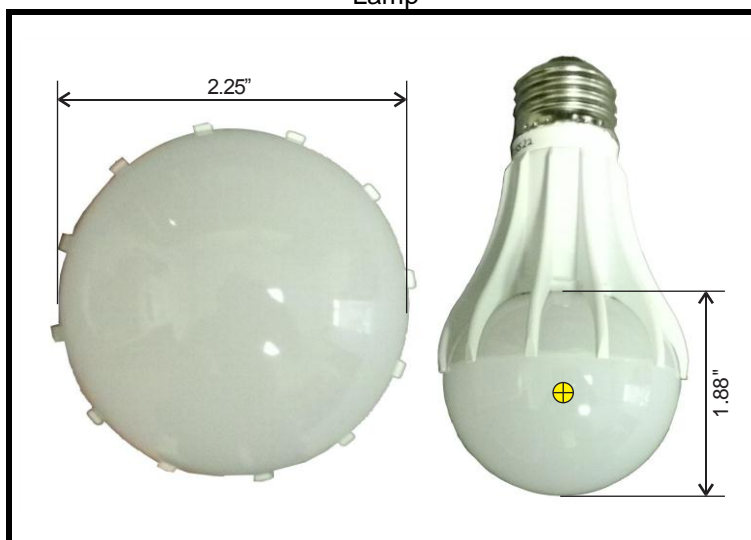
The results contained in this report pertain only to the tested sample.

This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.



Lamp Description: Cast aluminum housing, translucent white plastic enclosure
Catalog Number: LEDH-A19-60-1-27D-O
Lamp: One A19 LED replacement lamp
Mounting: VBU

Lamp



Summary of Results

Radiant Flux: 2458 mW
Luminous Flux: 815.2 Lumens
Lamp Efficacy: 86.6 Lumens/Watt
CCT: 2731 K
CRI (Ra): 93.8
Chromaticity (x): 0.4570
Chromaticity (y): 0.4098
Chromaticity (u): 0.2610
Chromaticity (v): 0.3511
Duv: 0.0003

Test Conditions

Test Temperature: 25.0 °C
Voltage: 120.0 VAC
Current: 0.08106 A
Power: 9.415 W
Power Factor: 0.967
Frequency: 60 Hz
Current THD: 20.5 %

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.

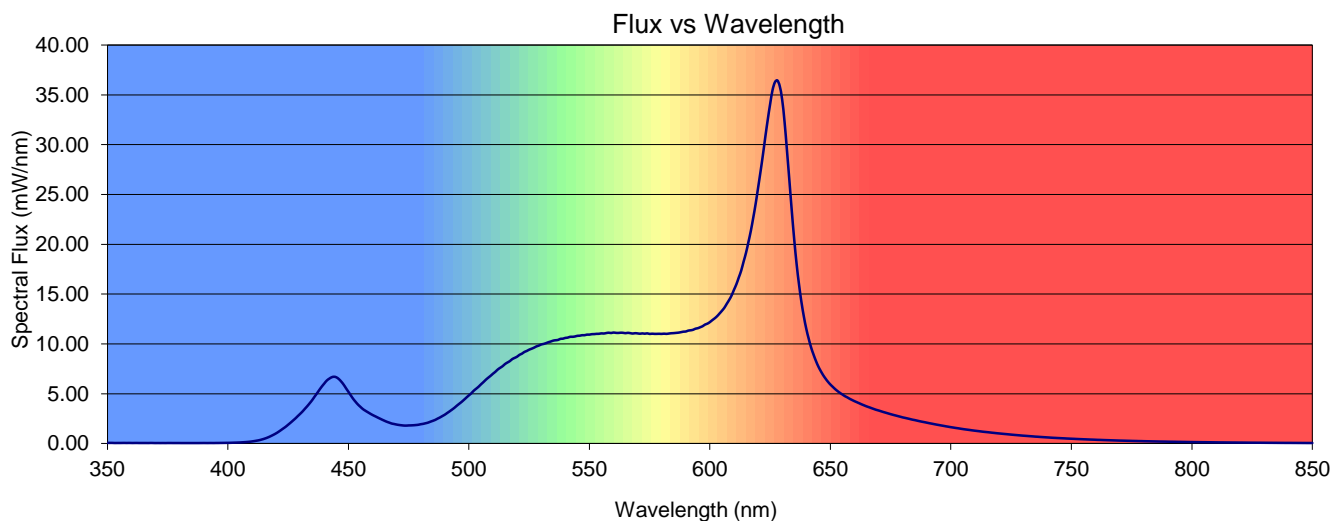
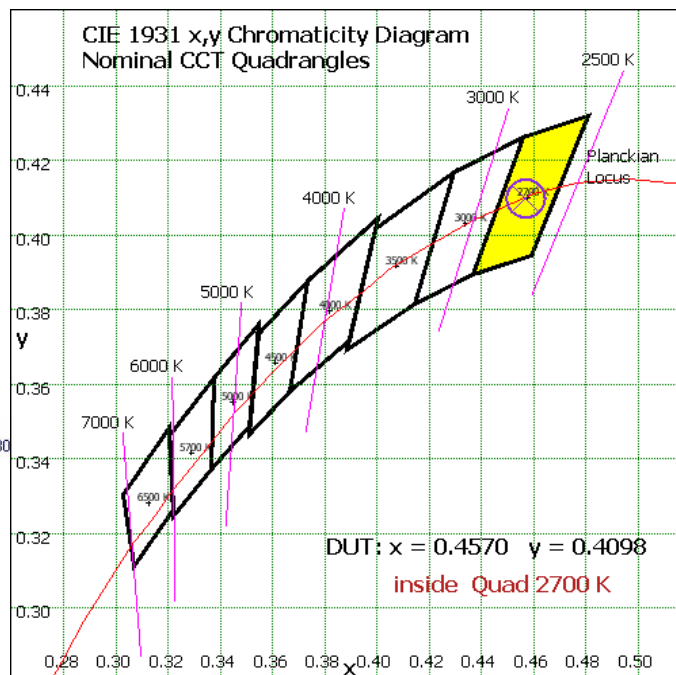
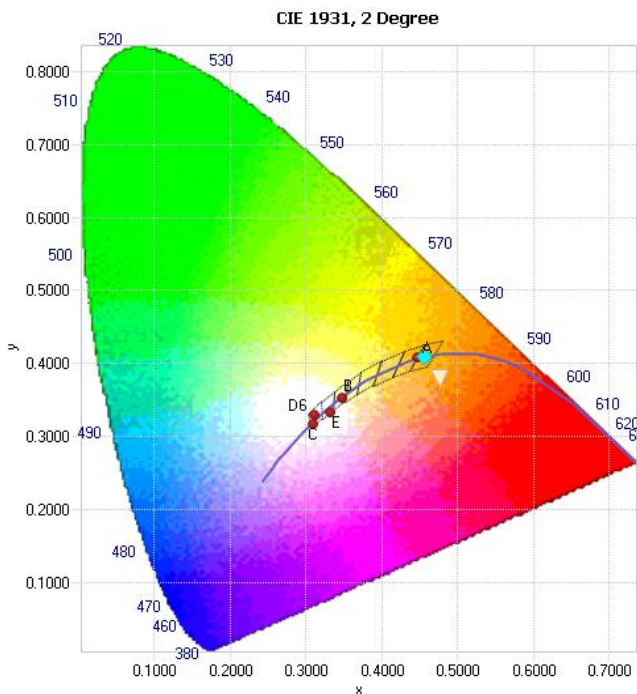


Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.4570	0.4098	0.2610	0.3511	0.2610	0.5266	0.0003

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
93.8	95.5	97.1	86.2	88.4	96.2	98.0	94.0	95.0	84.9	88.0	86.1	87.5	97.5	89.6





Spectral Power Distribution

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