



INTEGRATING SPHERE TEST REPORT

April 28, 2014

IES LM79-08 Section 9.1

Technical Report

TÜV SÜD America

Ji1404354-04-SPH

Sample Tested: LSU4806SU30DV50

Manufacturer: MaxLite, Inc.



Sample Description: 4' LED Luminaire

Test Orientation: Aperture Down

Date of Test: April 24, 2014

Tested by

Reviewed by

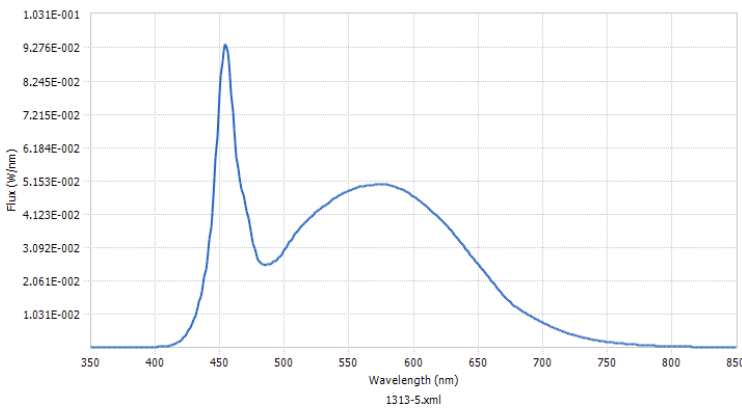
Byrd Evans

Bryan Cubitt

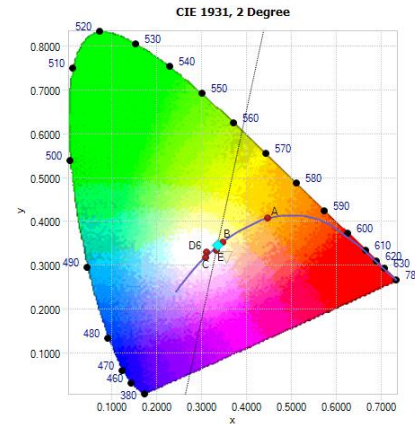
TÜV SÜD Project Handler

TÜV SÜD Program Manager

Test Results: (TÜV SÜD reference# 1313-5)



Spectral Response



Chromaticity Diagram

Tristimulus Values: $x / y = 0.3360 / 0.3461$

Photometric Test Results

Luminous Flux (Lumens) 3,233
Efficacy (Lumens/Watt) 103.14
Color Temperature (CCT K) 5349
Color Rendering Index (CRI) 85.1
R₉ Value 23.7
Radiant Flux (W/nm) 10.5
Chroma u' / Chroma v' 0.2073 / 0.4806
Duv 0.00107

Electrical Test Results 120V / 277V

Input Power (Watts) 31.35 / 30.97
Input Voltage (Volts) 120.00 / 277.01
Input Current (Amps) 0.262 / 0.124
Power Factor 0.997 / 0.902
Input Frequency (Hz) 60 Hz / 60 Hz
Stabilization Time 45 mins / 45 mins
ATHD% 1.54% / 6.41%
Ambient Temperature (°C) 24.1°C / 24.1°C

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