



# INTEGRATING SPHERE TEST REPORT

October 21, 2014

## IES LM79-08 Section 9.1

Technical Report

TÜV SÜD America

Ji1409766-03-SPH

**Sample Tested: Bob in Acrylic Shade**

**Manufacturer: Alva Light, Inc.**



**Sample Description: LED Luminaire**

**Test Orientation: Intended (Horizontal)**

**Date of Test: October 08, 2014**

**Tested by**

**Reviewed by**

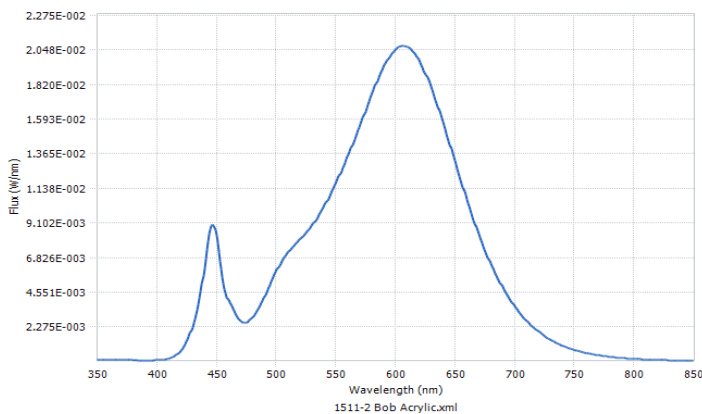
**Tim Gentry**

**Byrd Evans**

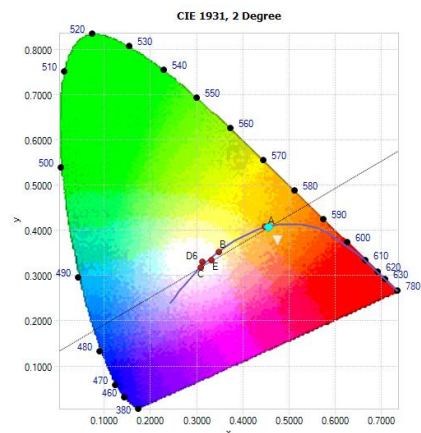
TÜV SÜD Project  
Handler

TÜV SÜD Project Handler

**Test Results: (TÜV SÜD Reference# 1511-2)**



**Spectral Response**



**Chromaticity Diagram**

**Tristimulus Values: x / y = 0.4557 / 0.4068**

### Photometric Test Results

<b>Luminous Flux (Lumens)</b>	<b>964.8</b>
<b>Efficacy (Lumens/Watt)</b>	<b>100.55</b>
<b>Color Temperature (CCT K)</b>	<b>2728</b>
<b>Color Rendering Index (CRI)</b>	<b>81.5</b>
<b>R<sub>9</sub> Value</b>	<b>6.7</b>
<b>Radiant Flux (W/nm)</b>	<b>3.01</b>
<b>Chroma u' / Chroma v'</b>	<b>0.2615 / 0.5253</b>
<b>Duv</b>	<b>-0.00103</b>

### Electrical Test Results

<b>Input Power (Watts)</b>	<b>9.60</b>
<b>Input Voltage (Volts)</b>	<b>120.03</b>
<b>Input Current (Amps)</b>	<b>0.0800</b>
<b>Power Factor</b>	<b>0.999</b>
<b>Input Frequency (Hz)</b>	<b>60.0</b>
<b>Stabilization Time</b>	<b>45 minutes</b>
<b>Ambient Temperature</b>	<b>25.2°C</b>
<b>Harmonic Distortion A-THD</b>	<b>4.91%</b>

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