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## Photometric Test Report

Relevant Standards  
IES LM-79-2008  
ANSI C78.377-2011, ANSI C82.77-2002  
CIE 13.3-1995, CIE 15-2004, IES TM-30-15, UL 1598-2008

**Prepared For**  
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**Catalog Number**  
**LEINS3-P6-4-3-V1-D2-C2-LGL-RS-535-PB**  
Order Number  
11594655  
Test Number  
11594655.01

Test Date  
2017-01-20 - 2017-01-24

Prepared By

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Approved By

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The results contained in this report pertain only to the tested sample.  
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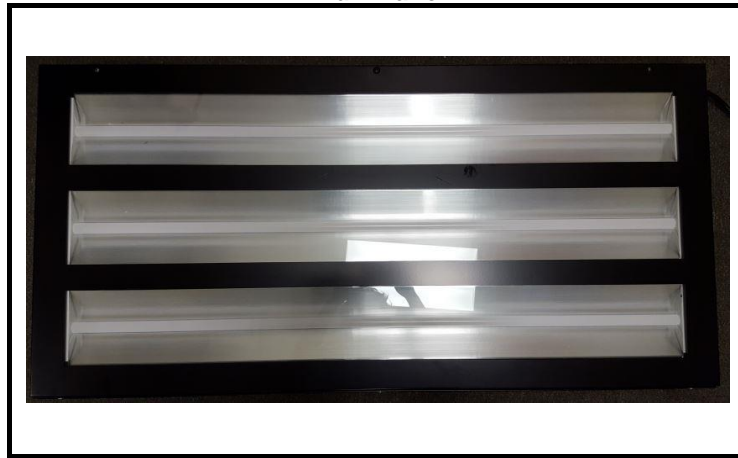
Laboratory results may not be representative of field performance  
Ballast factors have not been applied

Testing was performed in a 3-meter integrating sphere using the  $4\pi$  geometry method.  
Absorption correction was employed for Sphere measurement



**Luminaire Description:** Formed black steel housing, upper frosted lens, linear prismatic reflectors, clear glass lens enclosure  
**Lamp:** 576 White LEDs  
**Mounting:** Pendant  
**Ballast/Driver:** Philips Advance Xitanium XI054C150V054BST1 driver

Luminaire



### Summary of Results

#### Integrating Sphere

Luminous Flux: 7704 Lumens  
Efficacy: 112.4 lm/w  
CCT: 4265 K  
CRI (Ra): 84.8

#### Electrical Data at 120 VAC

Test Temperature: 24.8 °C  
Voltage: 119.9 VAC  
Current: 0.5747 A  
Power: 68.53 W  
Power Factor: 0.994  
Frequency: 60 Hz  
Current THD: 6.22 %

#### In-Situ

LED Temperature: 41.9 °C  
Driver Temperature: 39.5 °C  
Measured LED Current: 0.0681 A

Temperature is offset to an ambient temperature of 25°C as described in UL1598-2008.



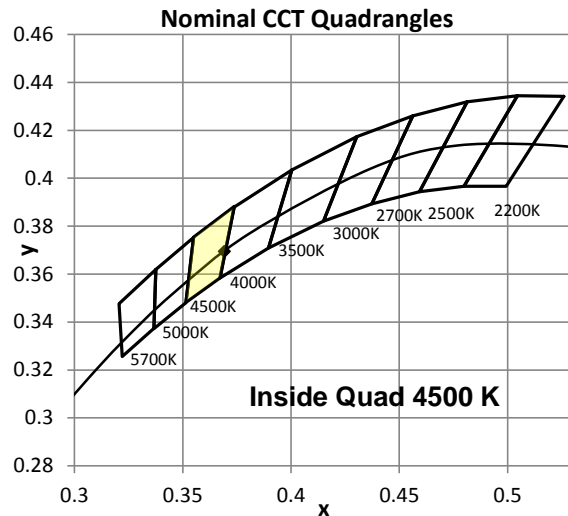
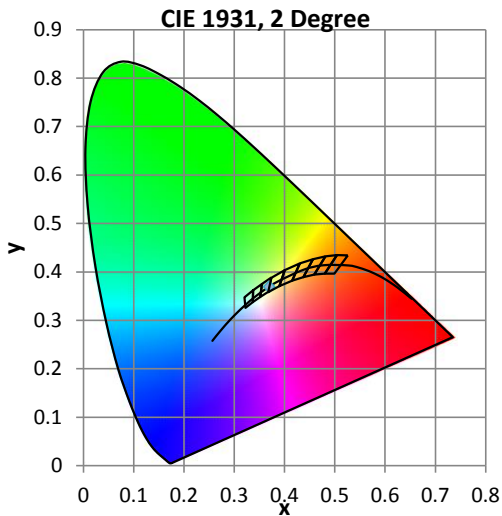
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	119.9 VAC	0.5747 A	68.53 W	0.994	60 Hz	6.22 %

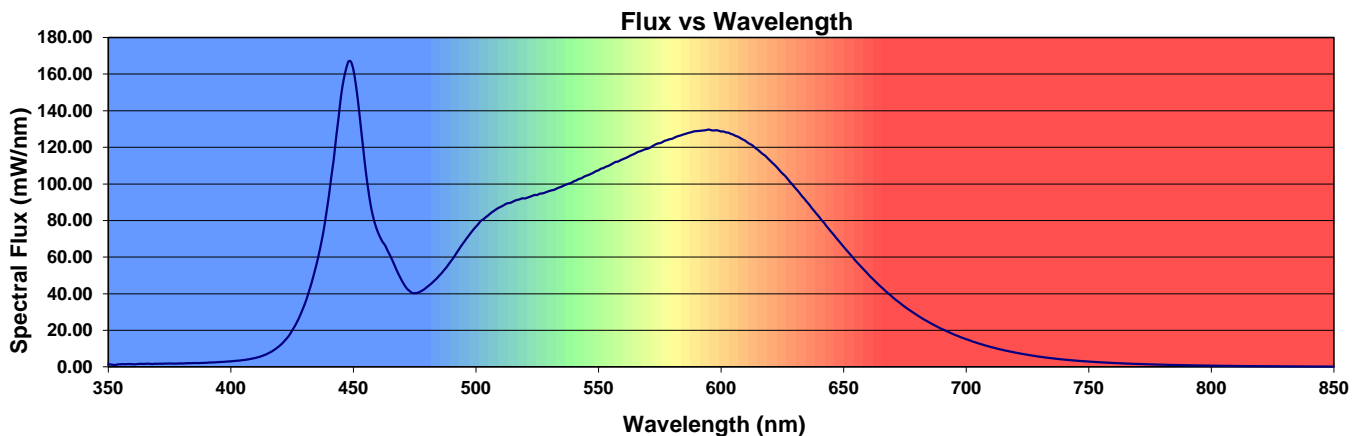
### Summary of Results

<b>Total Output:</b>	7704 Lumens	<b>Chromaticity (x):</b>	0.3693
<b>Efficacy:</b>	112.4 lm/w	<b>Chromaticity (y):</b>	0.3694
<b>CCT:</b>	4265 K	<b>Chromaticity (u'):</b>	0.2207
<b>CRI (Ra):</b>	84.8	<b>Chromaticity (v'):</b>	0.4966
<b>CRI (R9):</b>	14.5	<b>TM-30 R<sub>f</sub>:</b>	84.2
<b>Peak Wavelength:</b>	448.5 nm	<b>TM-30 R<sub>g</sub>:</b>	97.1
<b>Dominant Wavelength:</b>	578 nm	<b>Duv:</b>	0.0003
<b>S/P Ratio:</b>	1.785		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
84.8	83.4	89.9	95.0	85.1	84.1	86.4	87.1	67.8	14.5	76.5	85.2	69.1	84.9	97.4





## In-Situ Test

### In-Situ Test Conditions

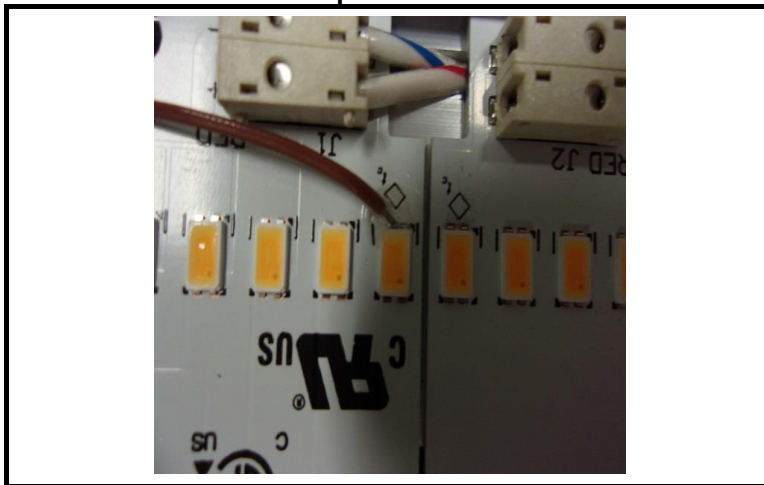
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
23.7 °C	120.4 VAC	N/A	N/A	N/A	60 Hz	N/A

### Summary of Results

LED Temperature: 41.9 °C  
Driver 1 Temperature: 39.4 °C  
Driver 2 Temperature: 39.5 °C  
Measured LED1 Current: 0.06810 A  
Measured LED2 Current: 0.03950 A

Temperatures are offset to an ambient temperature of 25°C as described in UL1598-2008

### LED Temperature Location



### Driver Temperature Location

