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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-P6-6-3-V1-D2-C2-LGL-RS-535-PB
Order Number
11594655
Test Number
11594655.02

Test Date
2017-01-23 - 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 4π 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: 864 White LEDs
Mounting: Pendant
Ballast/Driver: Philips Advance Xitanium XI054C150V054BST1 driver

Luminaire



Summary of Results

Integrating Sphere

Luminous Flux: 12210 Lumens
Efficacy: 118.3 lm/w
CCT: 4337 K
CRI (Ra): 84.7

Electrical Data at 120 VAC

Test Temperature: 25.3 °C
Voltage: 120.0 VAC
Current: 0.8640 A
Power: 103.2 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 6.15 %

In-Situ

LED3 Temperature: 40.7 °C
Driver2 Temperature: 39.9 °C
Measured LED3 Current: 0.0371 A

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



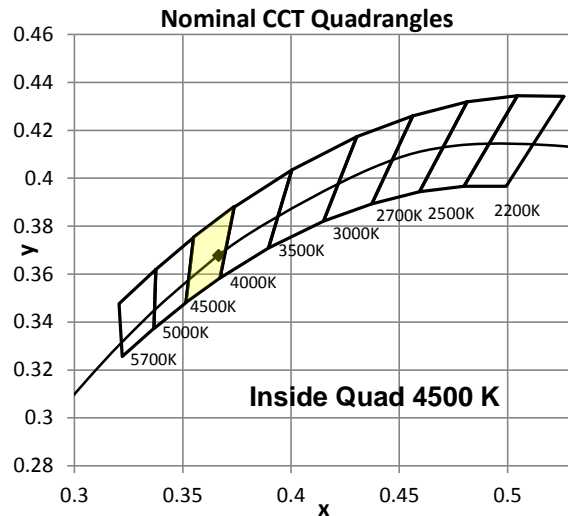
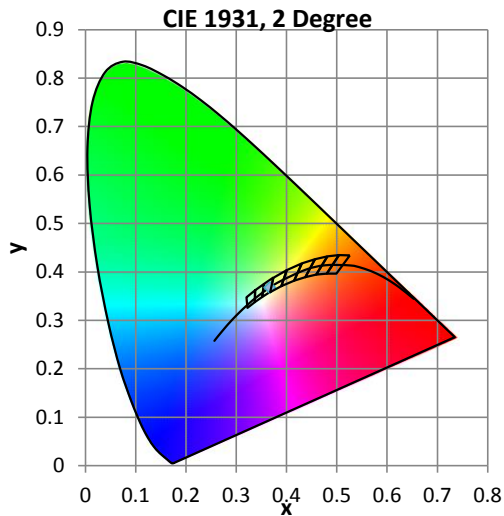
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

| Temperature | Voltage | Current | Power | Power Factor | Frequency | Current THD |
|-------------|-----------|----------|---------|--------------|-----------|-------------|
| 25.3 °C | 120.0 VAC | 0.8640 A | 103.2 W | 0.995 | 60 Hz | 6.15 % |

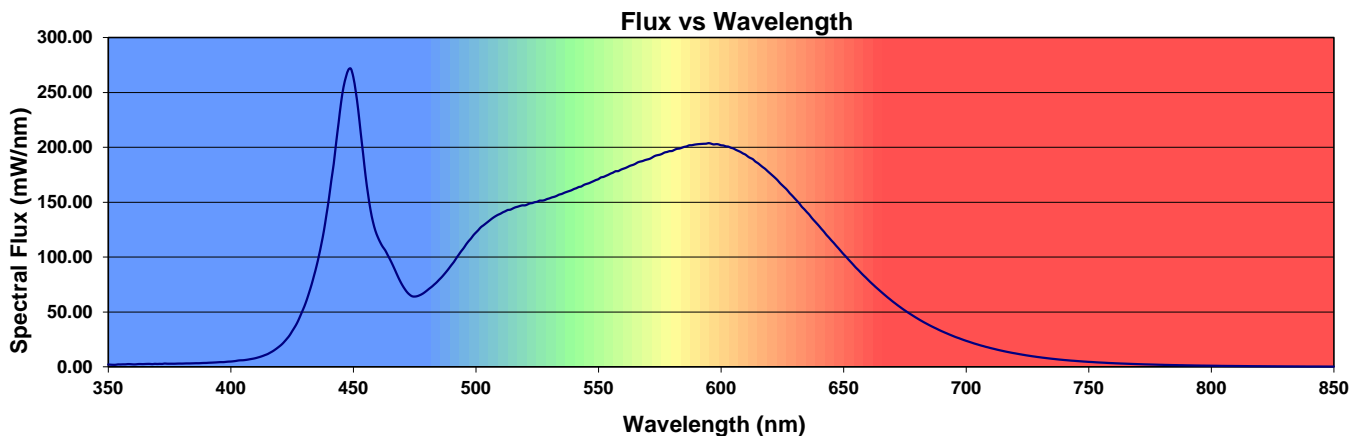
Summary of Results

| | | | |
|-----------------------------|--------------|-----------------------------|--------|
| Total Output: | 12210 Lumens | Chromaticity (x): | 0.3666 |
| Efficacy: | 118.3 lm/w | Chromaticity (y): | 0.3677 |
| CCT: | 4337 K | Chromaticity (u'): | 0.2195 |
| CRI (Ra): | 84.7 | Chromaticity (v'): | 0.4955 |
| CRI (R9): | 14.4 | TM-30 R_f: | 84.1 |
| Peak Wavelength: | 448.5 nm | TM-30 R_g: | 97.1 |
| Dominant Wavelength: | 577.7 nm | Duv: | 0.0001 |
| S/P Ratio: | 1.802 | | |



Color Rendering Index Detail

| Ra (CRI) | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 84.7 | 83.3 | 89.6 | 94.7 | 85.0 | 84.0 | 86.0 | 87.2 | 68.1 | 14.4 | 75.9 | 85.1 | 68.5 | 84.7 | 97.2 |





In-Situ Test

In-Situ Test Conditions

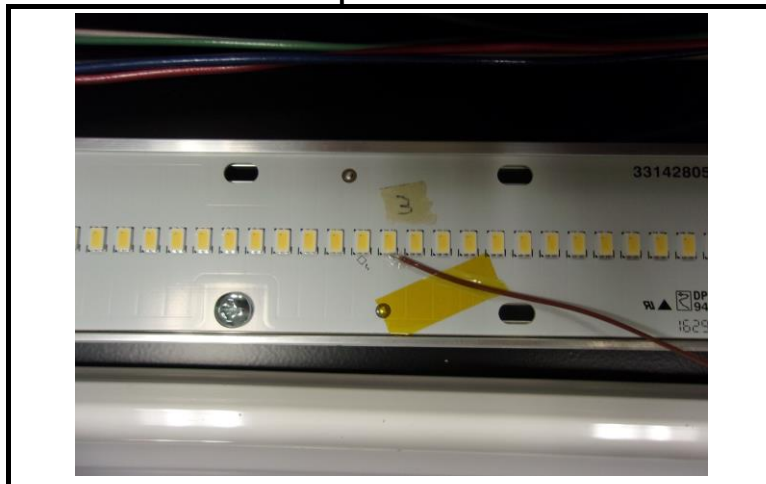
| Temperature | Voltage | Current | Power | Power Factor | Frequency | Current THD |
|-------------|-----------|---------|-------|--------------|-----------|-------------|
| 24.4 °C | 120.0 VAC | N/A | N/A | N/A | 60 Hz | N/A |

Summary of Results

| | |
|------------------------|-----------|
| LED2 Temperature: | 40.2 °C |
| LED3 Temperature: | 40.7 °C |
| Driver1 Temperature: | 38.6 °C |
| Driver2 Temperature: | 39.9 °C |
| Driver3 Temperature: | 38.8 °C |
| Measured LED1 Current: | 0.03710 A |
| Measured LED2 Current: | 0.03660 A |

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

LED Temperature Location



Driver Temperature Location

