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Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2015, IES TM-30-2015

Prepared For
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United States

Catalog Number
BPM-SD15-LED-x44-A
Order Number
11609603
Test Number
11609603.15

Test Date

2017-08-08

Prepared By

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Approved By

Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Decorative white metal housing, reflector, and diffuse lens.
Lamp: One (1) White LEDs
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/S

Luminaire



Summary of Results

Radiant Flux:	5821 mW
Luminous Flux:	1904 lm
Luminaire Efficacy:	84.8 lm/W
CCT:	3015 K
CRI (Ra):	82.7
Chromaticity (x):	0.4354
Chromaticity (y):	0.4029
Chromaticity (u):	0.2501
Chromaticity (v):	0.3471
Duv:	-0.0003

Test Conditions

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.1901 A
Power:	22.44 W
Power Factor:	0.985
Frequency:	60 Hz
Current THD:	7.77 %

Testing was performed in a 2-meter integrating sphere using the 4 π geometry method.
Absorption correction was employed for this measurement.



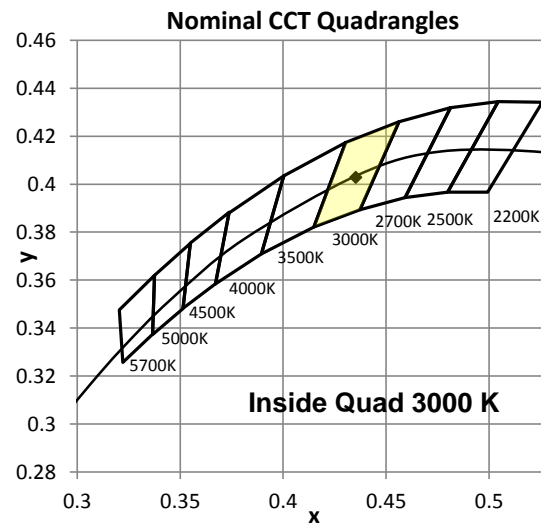
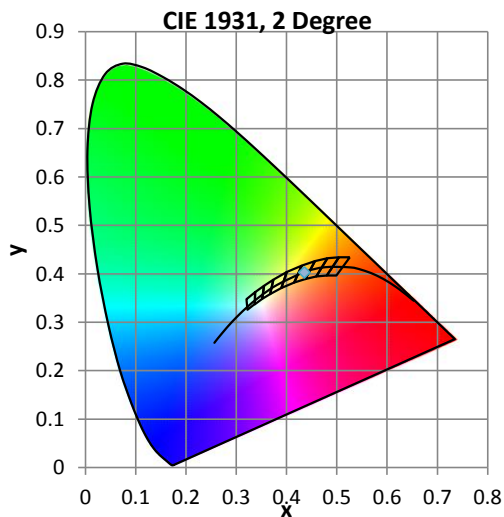
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.1901 A	22.44 W	0.985	60 Hz	7.77 %

Summary of Results

Total Output:	1904 Lumens	Chromaticity (x):	0.4354
Efficacy:	84.8 lm/w	Chromaticity (y):	0.4029
CCT:	3015 K	Chromaticity (u'):	0.2501
CRI (Ra):	82.7	Chromaticity (v'):	0.5207
CRI (R9):	7.6	TM-30 Rf:	83.5
Peak Wavelength:	604.3 nm	TM-30 Rg:	95.7
Dominant Wavelength:	582.8 nm	Duv:	-0.0003
S/P Ratio:	1.357		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.7	81.0	91.3	96.0	80.4	81.4	89.6	82.6	59.0	7.6	80.4	79.6	73.9	83.5	98.4

