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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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Catalog Number
SM-APII-x43-BW-12-C

Order Number
11708270
Test Number
11708270.06

Test Date

2017-07-27

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: Circular white metal housing and outer patterned glass lens
Lamp: One (1) white LED with optic attached
Mounting: VBU
Ballast/Driver: SOLO DRIVE 561/S

Luminaire



Summary of Results

Radiant Flux:	8909 mW
Luminous Flux:	2843 lm
Luminaire Efficacy:	85.0 lm/W
CCT:	2688 K
CRI (Ra):	82.8
Chromaticity (x):	0.4611
Chromaticity (y):	0.4115
Chromaticity (u):	0.2629
Chromaticity (v):	0.3519
Duv:	0.0001

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.1 VAC
Current:	0.2824 A
Power:	33.44 W
Power Factor:	0.986
Frequency:	60 Hz
Current THD:	6.24 %

Testing was performed in a 3-meter integrating sphere using the 4 π geometry method.
Absorption correction was employed for this measurement.



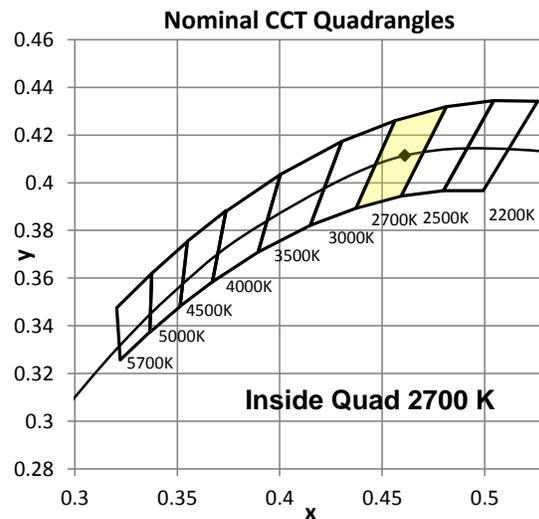
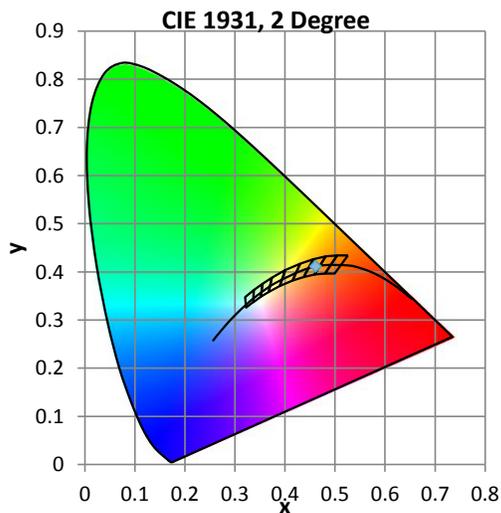
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.2824 A	33.44 W	0.986	60 Hz	6.24 %

Summary of Results

Total Output:	2843 Lumens	Chromaticity (x):	0.4611
Efficacy:	85.0 lm/w	Chromaticity (y):	0.4115
CCT:	2688 K	Chromaticity (u'):	0.2629
CRI (Ra):	82.8	Chromaticity (v'):	0.5279
CRI (R9):	10.9	TM-30 Rf:	83.8
Peak Wavelength:	608.2 nm	TM-30 Rg:	94.9
Dominant Wavelength:	584.2 nm	Duv:	0.0001
S/P Ratio:	1.222		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.8	81.5	92.4	94.9	79.9	81.7	91.8	81.7	58.3	10.9	83.2	79.4	76.0	84.0	97.9

