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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
YO-LED-X83-WHP-WW
Order Number
11827519
Test Number
11827519.06

Test Date

2017-06-20

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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Luminaire Description: White metal mount with cylindrical housing and clear glass lens.
Lamp: One (1) white LED with optic attached
Mounting: Surface - Ground
Ballast/Driver: ECOdrive 561/S

Luminaire



Summary of Results

Radiant Flux:	5855 mW
Luminous Flux:	1884 lm
Luminaire Efficacy:	83.4 lm/W
CCT:	2734 K
CRI (Ra):	82.8
Chromaticity (x):	0.4576
Chromaticity (y):	0.4110
Chromaticity (u):	0.2608
Chromaticity (v):	0.3514
Duv:	0.0001

Test Conditions

Test Temperature:	24.5 °C
Voltage:	120.1 VAC
Current:	0.1905 A
Power:	22.58 W
Power Factor:	0.987
Frequency:	60 Hz
Current THD:	7.50 %

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



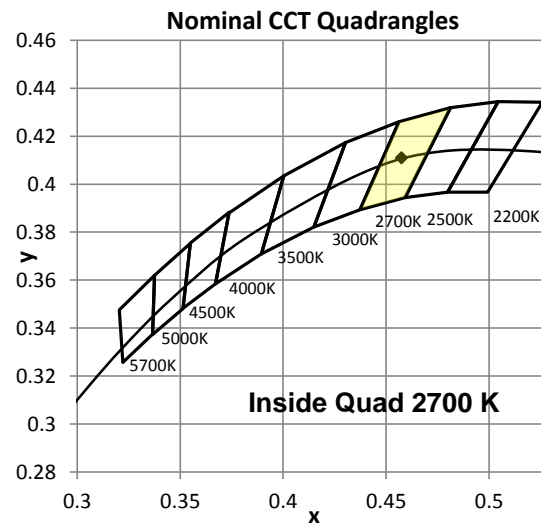
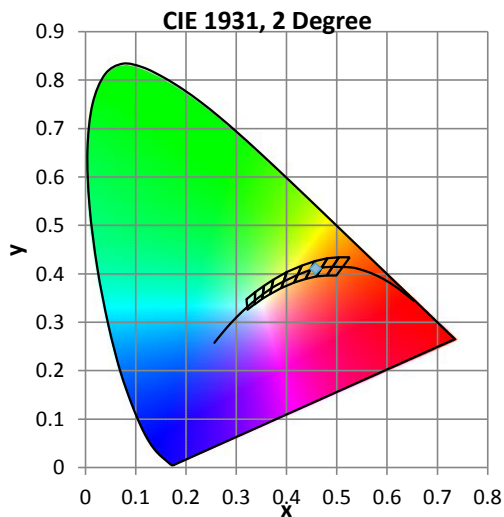
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.1 VAC	0.1905 A	22.58 W	0.987	60 Hz	7.50 %

Summary of Results

Total Output:	1884 Lumens	Chromaticity (x):	0.4576
Efficacy:	83.4 lm/w	Chromaticity (y):	0.4110
CCT:	2734 K	Chromaticity (u'):	0.2608
CRI (Ra):	82.8	Chromaticity (v'):	0.5272
CRI (R9):	10.4	TM-30 Rf:	83.6
Peak Wavelength:	606.6 nm	TM-30 Rg:	94.3
Dominant Wavelength:	583.9 nm	Duv:	0.0001
S/P Ratio:	1.248		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.8	81.7	92.7	94.6	79.9	82.0	92.1	81.5	58.3	10.4	83.8	79.4	75.7	84.3	97.7

