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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
DE-LED-C22-SP-9-2700K
Order Number
12408683
Test Number
12408683.01A

Revised:
2018-08-17
Test Date
2018-08-08

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 cylindrical metal housing, plastic prismatic reflector, and clear glass lens
Lamp: LED array
Mounting: Pendant
Ballast/Driver: One (1) EFORE Strato RSLP035-24

Luminaire



Summary of Results

Radiant Flux:	2234 mW
Luminous Flux:	702.6 lm
Luminaire Efficacy:	34.6 lm/W
CCT:	2724 K
CRI (Ra):	92.5
Chromaticity (x):	0.4598
Chromaticity (y):	0.4138
Chromaticity (u):	0.2610
Chromaticity (v):	0.3524
Duv:	0.0009

Test Conditions

Test Temperature:	24.9 °C
Voltage:	120.0 VAC
Current:	0.1743 A
Power:	20.30 W
Power Factor:	0.971
Frequency:	60 Hz
Current THD:	19.3 %

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



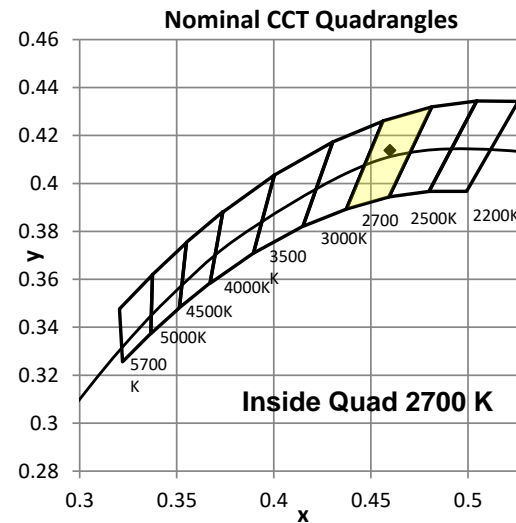
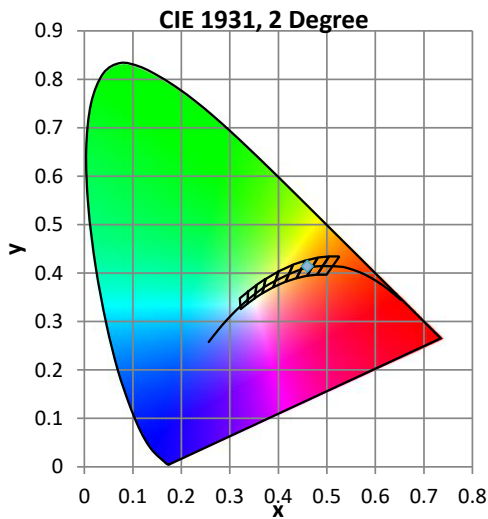
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.0 VAC	0.1743 A	20.30 W	0.971	60 Hz	19.3 %

Summary of Results

Total Output:	703 Lumens	Chromaticity (x):	0.4598
Efficacy:	34.6 lm/w	Chromaticity (y):	0.4138
CCT:	2724 K	Chromaticity (u'):	0.2610
CRI (Ra):	92.5	Chromaticity (v'):	0.5285
CRI (R9):	87.1	TM-30 Rf:	89.8
Peak Wavelength:	642 nm	TM-30 Rg:	104.9
Dominant Wavelength:	584 nm	Duv:	0.0009
S/P Ratio:	1.24		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92.5	97.9	93.9	84.3	94.3	95.9	90.3	92.4	90.5	87.1	82.7	94.5	78.7	96.2	89.6	98.8

