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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-9-4000K
Order Number
12408683
Test Number
12408683.03A

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:	2105 mW
Luminous Flux:	658.7 lm
Luminaire Efficacy:	31.8 lm/W
CCT:	4026 K
CRI (Ra):	95.9
Chromaticity (x):	0.3807
Chromaticity (y):	0.3818
Chromaticity (u):	0.2233
Chromaticity (v):	0.3359
Duv:	0.0016

Test Conditions

Test Temperature:	26.0 °C
Voltage:	120.0 VAC
Current:	0.1778 A
Power:	20.73 W
Power Factor:	0.971
Frequency:	60 Hz
Current THD:	19.0 %

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



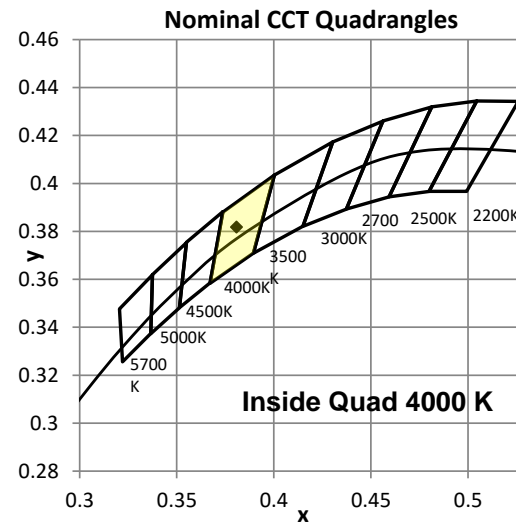
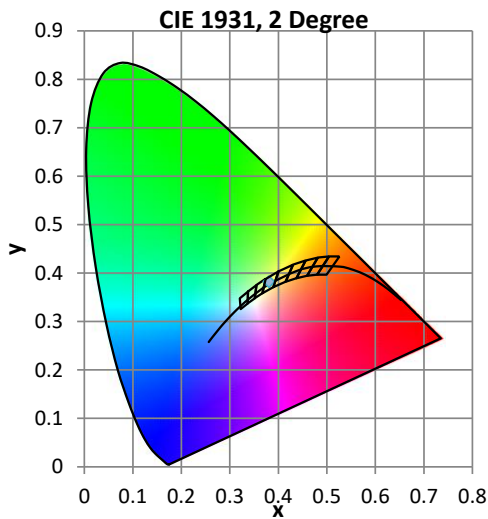
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
26.0 °C	120.0 VAC	0.1778 A	20.73 W	0.971	60 Hz	19.0 %

Summary of Results

Total Output:	659 Lumens	Chromaticity (x):	0.3807
Efficacy:	31.8 lm/w	Chromaticity (y):	0.3818
CCT:	4026 K	Chromaticity (u'):	0.2233
CRI (Ra):	95.9	Chromaticity (v'):	0.5038
CRI (R9):	87.1	TM-30 Rf:	93.3
Peak Wavelength:	642 nm	TM-30 Rg:	98.4
Dominant Wavelength:	578 nm	Duv:	0.0016
S/P Ratio:	1.84		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.9	94.6	97.2	98.4	94.7	94.9	95.9	97.1	94.4	87.1	93.4	95.5	85.4	95.0	98.9	93.3

