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Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

Prepared For
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Catalog Number
SR111-19-25DM-927/918-01

Order Number

12929416

Test Number

12929416.05A

Revised:

2019-07-15

Test Date

2019-07-11

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: Circular gray metal housing/heatsink
Lamp: LED array with optic attached
Mounting: VBU
Ballast/Driver: Integrated

Luminaire



Summary of Results

Radiant Flux:	4266 mW
Luminous Flux:	1057 lm
Luminaire Efficacy:	54.5 lm/W
CCT:	2742 K
CRI (Ra):	97.3
Chromaticity (x):	0.4586
Chromaticity (y):	0.4140
Chromaticity (u):	0.2602
Chromaticity (v):	0.3523
Duv:	0.0011

Test Conditions

Test Temperature:	25.2 °C
Voltage:	12.00 VAC
Current:	1.746 A
Power:	19.39 W
Power Factor:	0.925
Frequency:	60 Hz
Current THD:	37.6 %

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



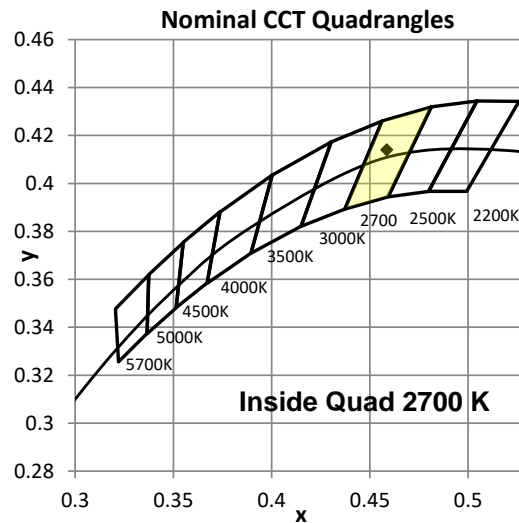
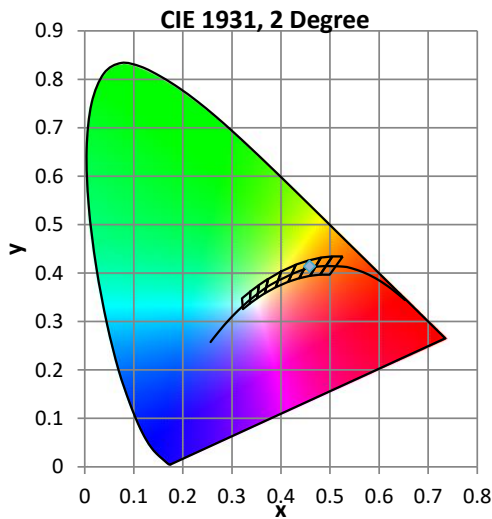
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.2 °C	12.00 VAC	1.746 A	19.39 W	0.925	60 Hz	37.6 %

Summary of Results

Total Output:	1057 Lumens	Chromaticity (x):	0.4586
Efficacy:	54.5 lm/w	Chromaticity (y):	0.4140
CCT:	2742 K	Chromaticity (u'):	0.2602
CRI (Ra):	97.3	Chromaticity (v'):	0.5284
CRI (R9):	90.6	TM-30 Rf:	91.6
Peak Wavelength:	634 nm	TM-30 Rg:	101.6
Dominant Wavelength:	584 nm	Duv:	0.0011
S/P Ratio:	1.34		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97.3	98.6	99.2	95.5	94.7	97.5	98.4	97.9	97.0	90.6	97.2	92.2	90.3	99.1	96.5	97.7

