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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
LBF-LED-X64-SP-9-C
Order Number
11913931
Test Number
11913931.11

Test Date

2017-08-16

Prepared By

Tony Rubio, Technician

Approved By

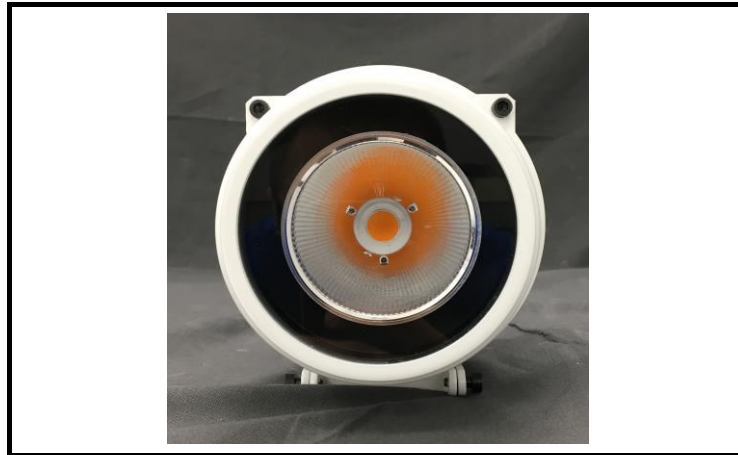
Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed white metal housing with patterned reflector and clear lens
Lamp: One (1) white LED
Mounting: Pole/Arm
Ballast/Driver: Thomas Research Products LED25W-36-C0700-LE

Luminaire



Summary of Results

Radiant Flux:	7285 mW
Luminous Flux:	2336 lm
Luminaire Efficacy:	89.3 lm/W
CCT:	2786 K
CRI (Ra):	82.9
Chromaticity (x):	0.4522
Chromaticity (y):	0.4077
Chromaticity (u):	0.2588
Chromaticity (v):	0.3501
Duv:	-0.0005

Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.1 VAC
Current:	0.2207 A
Power:	26.17 W
Power Factor:	0.988
Frequency:	60 Hz
Current THD:	12.4 %

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



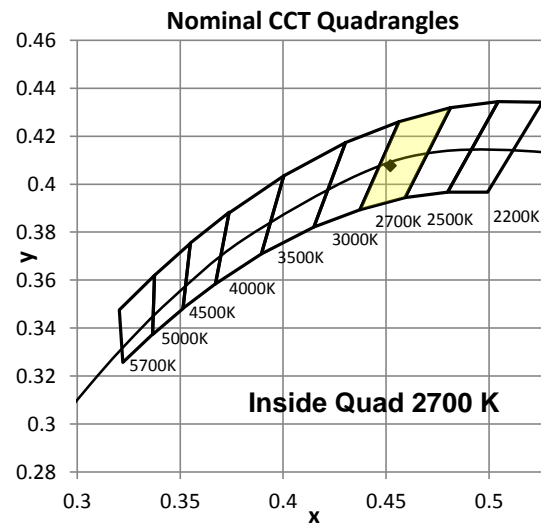
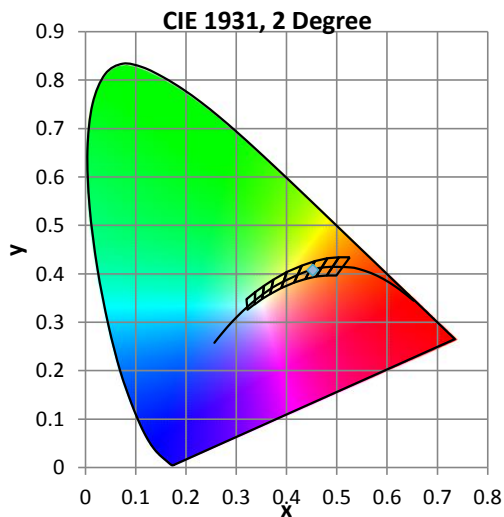
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.1 VAC	0.2207 A	26.17 W	0.988	60 Hz	12.4 %

Summary of Results

Total Output:	2336 Lumens	Chromaticity (x):	0.4522
Efficacy:	89.3 lm/w	Chromaticity (y):	0.4077
CCT:	2786 K	Chromaticity (u'):	0.2588
CRI (Ra):	82.9	Chromaticity (v'):	0.5251
CRI (R9):	10.7	TM-30 Rf:	83.8
Peak Wavelength:	605.9 nm	TM-30 Rg:	95.1
Dominant Wavelength:	583.9 nm	Duv:	-0.0005
S/P Ratio:	1.272		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.9	81.7	92.6	94.8	80.1	82.0	91.7	81.7	58.7	10.7	83.4	79.5	76.3	84.3	97.9

