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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
B-K Lighting Inc

Chris McCarthy
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Madera, CA 93636-9515
United States

Catalog Number
BSB-LED-X84-SD15

Order Number
11609594
Test Number
11609594.03

Test Date

2017-08-11

Prepared By

William Escobar, Technician

Approved By

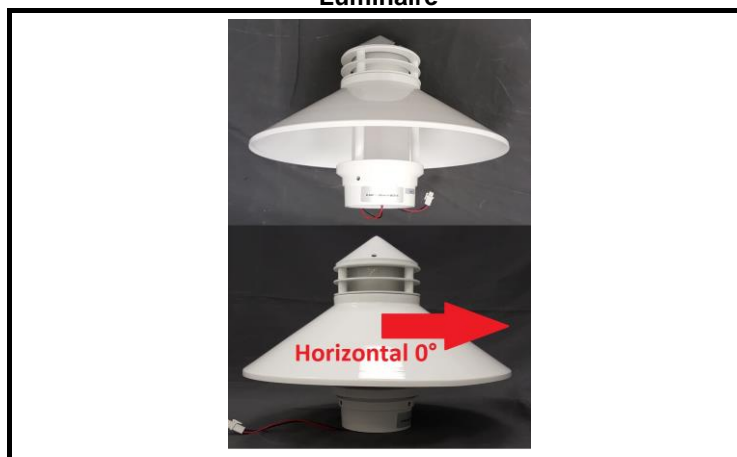
Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Decorative white metal housing, reflector, diffuse lens, and standing pole housing
Lamp: One (1) White LED
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/M

Luminaire



Summary of Results

Radiant Flux:	6133 mW
Luminous Flux:	2000 lm
Luminaire Efficacy:	89.3 lm/W
CCT:	3123 K
CRI (Ra):	83.3
Chromaticity (x):	0.4275
Chromaticity (y):	0.3992
Chromaticity (u):	0.2466
Chromaticity (v):	0.3454
Duv:	-0.0010

Test Conditions

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.1886 A
Power:	22.40 W
Power Factor:	0.990
Frequency:	60 Hz
Current THD:	4.74 %

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



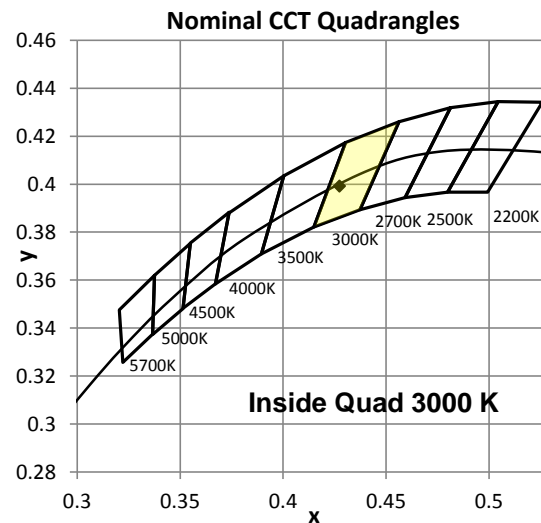
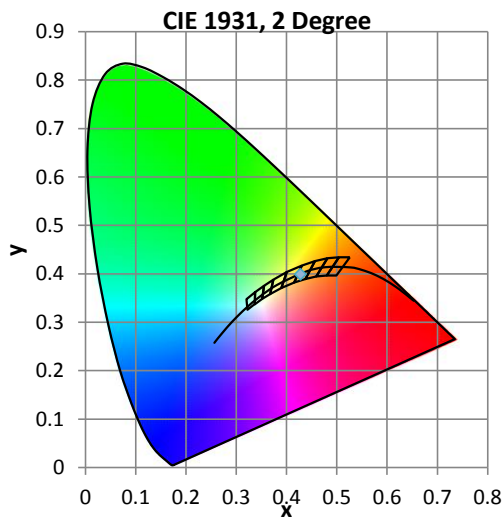
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.1886 A	22.40 W	0.990	60 Hz	4.74 %

Summary of Results

Total Output:	2000 Lumens	Chromaticity (x):	0.4275
Efficacy:	89.3 lm/w	Chromaticity (y):	0.3992
CCT:	3123 K	Chromaticity (u'):	0.2466
CRI (Ra):	83.3	Chromaticity (v'):	0.5180
CRI (R9):	9.6	TM-30 Rf:	83.8
Peak Wavelength:	604 nm	TM-30 Rg:	95.7
Dominant Wavelength:	582.5 nm	Duv:	-0.0010
S/P Ratio:	1.413		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
83.3	81.8	92.0	95.8	80.9	82.3	90.1	82.9	60.2	9.6	81.5	80.1	74.0	84.3	98.3

