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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

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Madera, CA 93636-9515
United States

Catalog Number
APB-LED-X94

Order Number
11943054
Test Number
11943054.03

Test Date

2017-09-08

Prepared By

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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

Lamp: One (1) White LED

Mounting: Post

Ballast/Driver: One (1) eldoLED ECOdrive 561/S

Luminaire



Summary of Results

Radiant Flux:	3033 mW
Luminous Flux:	984.9 lm
Luminaire Efficacy:	61.9 lm/W
CCT:	4089 K
CRI (Ra):	82.8
Chromaticity (x):	0.3768
Chromaticity (y):	0.3756
Chromaticity (u):	0.2232
Chromaticity (v):	0.3337
Duv:	0.0000

Test Conditions

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.1360 A
Power:	15.92 W
Power Factor:	0.975
Frequency:	60 Hz
Current THD:	12.4 %

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



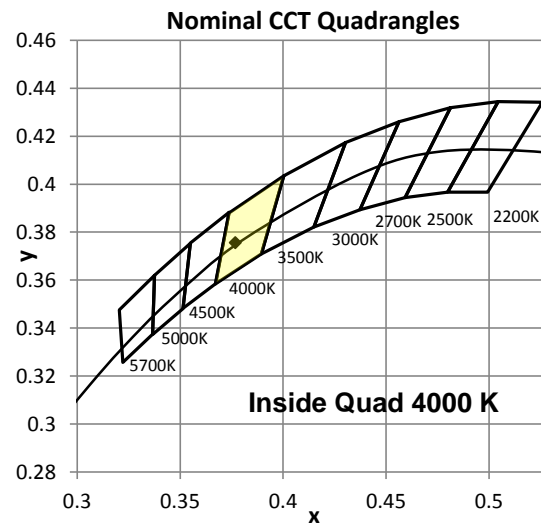
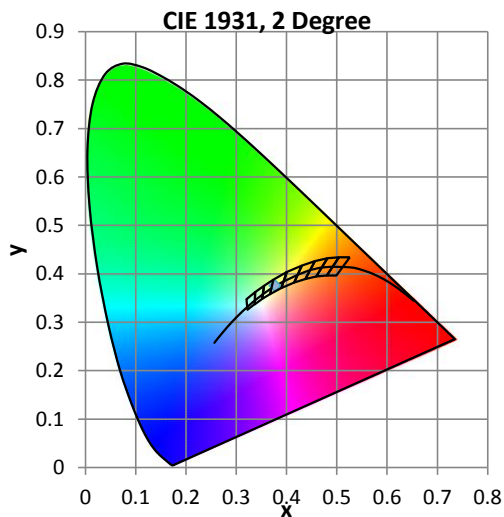
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.1360 A	15.92 W	0.975	60 Hz	12.4 %

Summary of Results

Total Output:	985 Lumens	Chromaticity (x):	0.3768
Efficacy:	61.9 lm/w	Chromaticity (y):	0.3756
CCT:	4089 K	Chromaticity (u'):	0.2232
CRI (Ra):	82.8	Chromaticity (v'):	0.5006
CRI (R9):	12.0	TM-30 Rf:	82.3
Peak Wavelength:	450.5 nm	TM-30 Rg:	96.4
Dominant Wavelength:	578.4 nm	Duv:	0.0000
S/P Ratio:	1.696		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.8	81.1	87.9	92.9	82.2	81.1	83.1	87.0	66.7	12.0	71.1	80.6	62.8	82.5	96.0

