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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-X92
Order Number
11943054
Test Number
11943054.07

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:	2742 mW
Luminous Flux:	878.4 lm
Luminaire Efficacy:	55.7 lm/W
CCT:	2817 K
CRI (Ra):	83.3
Chromaticity (x):	0.4506
Chromaticity (y):	0.4086
Chromaticity (u):	0.2574
Chromaticity (v):	0.3501
Duv:	0.0001

Test Conditions

Test Temperature:	25.5 °C
Voltage:	120.0 VAC
Current:	0.1346 A
Power:	15.78 W
Power Factor:	0.975
Frequency:	60 Hz
Current THD:	12.8 %

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



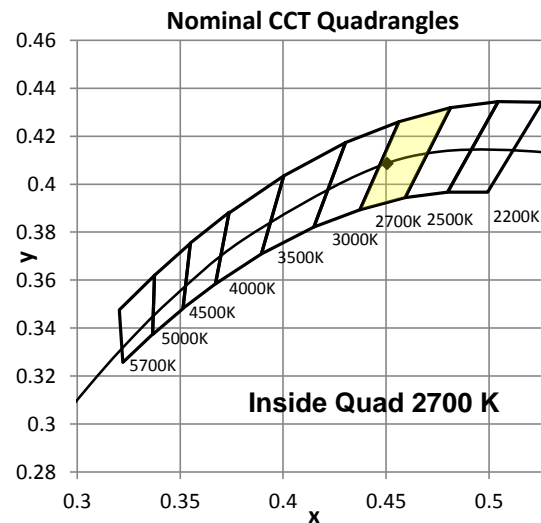
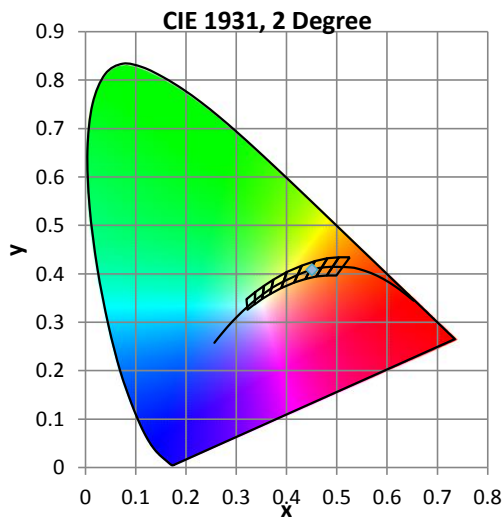
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.0 VAC	0.1346 A	15.78 W	0.975	60 Hz	12.8 %

Summary of Results

Total Output:	878 Lumens	Chromaticity (x):	0.4506
Efficacy:	55.7 lm/w	Chromaticity (y):	0.4086
CCT:	2817 K	Chromaticity (u'):	0.2574
CRI (Ra):	83.3	Chromaticity (v'):	0.5252
CRI (R9):	12.5	TM-30 Rf:	84.2
Peak Wavelength:	606.4 nm	TM-30 Rg:	95
Dominant Wavelength:	583.6 nm	Duv:	0.0001
S/P Ratio:	1.282		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
83.3	81.9	92.4	95.6	80.6	82.2	91.3	82.5	59.9	12.5	82.7	79.8	75.9	84.4	98.3

