



UL LLC
1075 W Lambert Rd Suite B
Brea, CA 92821

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
40429 Brickyard Dr
Madera, CA 93636-9515
United States

Catalog Number
BPM-SD15-LED-x43-A
Order Number
11609603
Test Number
11609603.13

Test Date

2017-08-07

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, and diffuse lens.
Lamp: One (1) White LEDs
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/S

Luminaire



Summary of Results

Radiant Flux:	5452 mW
Luminous Flux:	1739 lm
Luminaire Efficacy:	78.3 lm/W
CCT:	2724 K
CRI (Ra):	82.9
Chromaticity (x):	0.4568
Chromaticity (y):	0.4085
Chromaticity (u):	0.2615
Chromaticity (v):	0.3507
Duv:	-0.0008

Test Conditions

Test Temperature:	25.5 °C
Voltage:	120.0 VAC
Current:	0.1881 A
Power:	22.22 W
Power Factor:	0.985
Frequency:	60 Hz
Current THD:	7.79 %

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



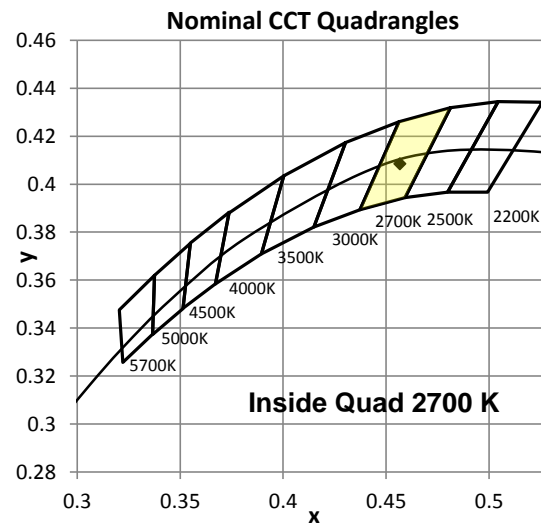
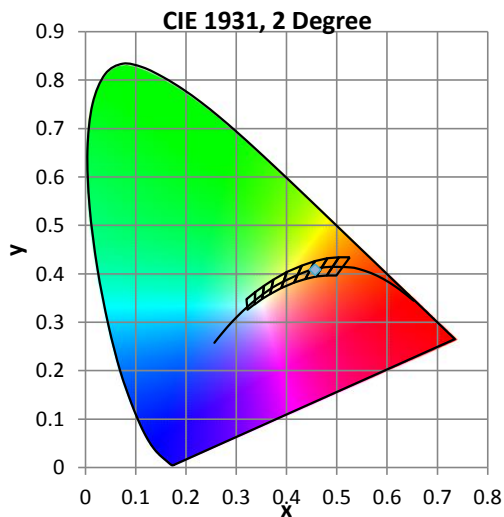
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.0 VAC	0.1881 A	22.22 W	0.985	60 Hz	7.79 %

Summary of Results

Total Output:	1739 Lumens	Chromaticity (x):	0.4568
Efficacy:	78.3 lm/w	Chromaticity (y):	0.4085
CCT:	2724 K	Chromaticity (u'):	0.2615
CRI (Ra):	82.9	Chromaticity (v'):	0.5261
CRI (R9):	11.1	TM-30 Rf:	83.5
Peak Wavelength:	607 nm	TM-30 Rg:	94.6
Dominant Wavelength:	584.3 nm	Duv:	-0.0008
S/P Ratio:	1.252		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.9	81.9	93.2	94.0	79.8	82.3	92.6	81.1	58.2	11.1	84.8	79.2	76.9	84.7	97.4

