



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
LBP-LED-48X-BW-36
Order Number
12012109
Test Number
12012109.01

Test Date

2017-10-31

Prepared By

Austin Duff, Technician

Approved By

Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Decorative white metal housing, reflector, clear plastic lens, and standing pole base
Lamp: One (1) white LED with optic
Mounting: Post
Ballast/Driver: One (1) ECOdrive 561/S

Luminaire



Summary of Results

Radiant Flux:	15930 mW
Luminous Flux:	5180 lm
Luminaire Efficacy:	129.4 lm/W
CCT:	4045 K
CRI (Ra):	83.1
Chromaticity (x):	0.3785
Chromaticity (y):	0.3760
Chromaticity (u):	0.2241
Chromaticity (v):	0.3340
Duv:	0.0004

Test Conditions

Test Temperature:	24.2 °C
Voltage:	120.1 VAC
Current:	0.3368 A
Power:	40.03 W
Power Factor:	0.990
Frequency:	60 Hz
Current THD:	6.60 %

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



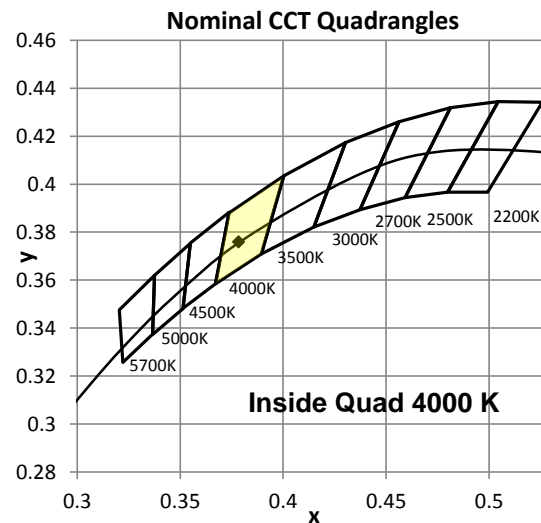
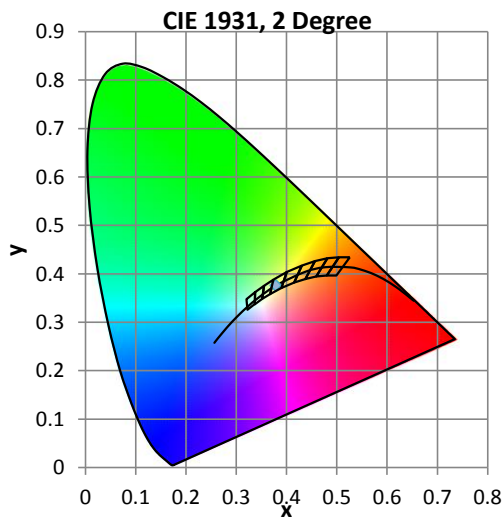
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.2 °C	120.1 VAC	0.3368 A	40.03 W	0.990	60 Hz	6.60 %

Summary of Results

Total Output:	5180 Lumens	Chromaticity (x):	0.3785
Efficacy:	129.4 lm/w	Chromaticity (y):	0.3760
CCT:	4045 K	Chromaticity (u'):	0.2241
CRI (Ra):	83.1	Chromaticity (v'):	0.5010
CRI (R9):	11.2	TM-30 Rf:	81.9
Peak Wavelength:	452 nm	TM-30 Rg:	95.1
Dominant Wavelength:	578.8 nm	Duv:	0.0004
S/P Ratio:	1.703		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83.1	81.3	89.5	94.6	81.2	81.1	84.7	86.4	65.5	11.2	74.3	79.4	61.1	83.4	97.2	75.9

