



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
BSB-LED-X85-SD15
Order Number
11609594
Test Number
11609594.05A
Revised Date
2017-09-01
Test Date
2017-09-01

Prepared By

Tony Rubio, Technician

Approved By

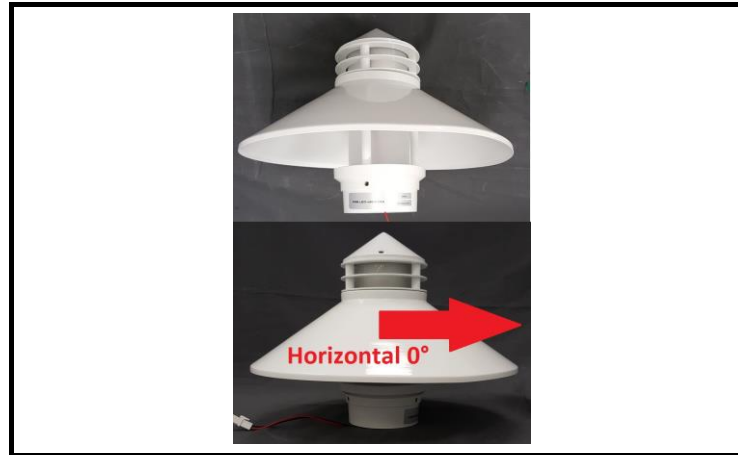
Eric Gaudreau, Senior Engineering Associate

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, 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:	6560 mW
Luminous Flux:	2117 lm
Luminaire Efficacy:	94.3 lm/W
CCT:	4122 K
CRI (Ra):	84.2
Chromaticity (x):	0.3755
Chromaticity (y):	0.3750
Chromaticity (u):	0.2225
Chromaticity (v):	0.3334
Duv:	0.0002

Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.0 VAC
Current:	0.1898 A
Power:	22.45 W
Power Factor:	0.985
Frequency:	60 Hz
Current THD:	7.04 %

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



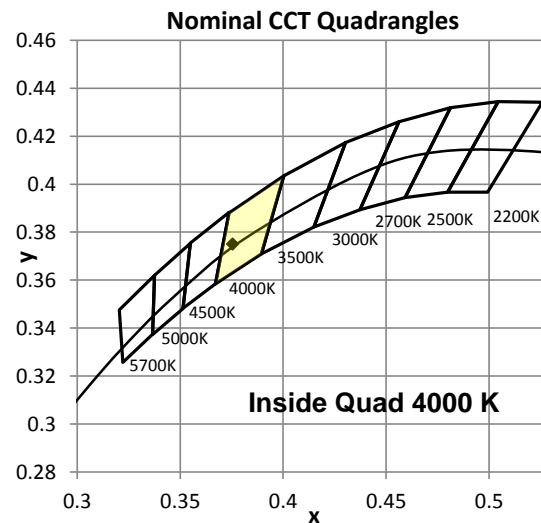
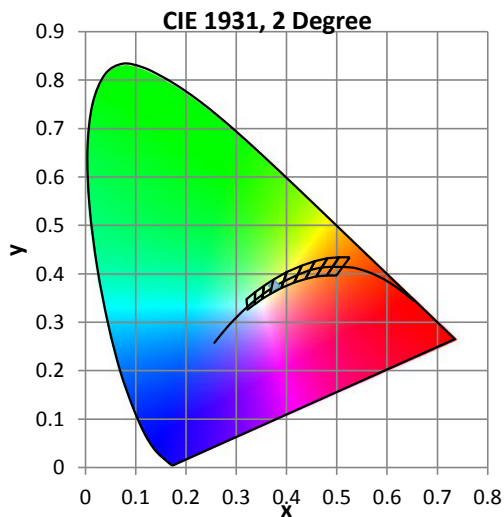
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.0 VAC	0.1898 A	22.45 W	0.985	60 Hz	7.04 %

Summary of Results

Total Output:	2117 Lumens	Chromaticity (x):	0.3755
Efficacy:	94.3 lm/w	Chromaticity (y):	0.3750
CCT:	4122 K	Chromaticity (u'):	0.2225
CRI (Ra):	84.2	Chromaticity (v'):	0.5001
CRI (R9):	16.8	TM-30 Rf:	82.2
Peak Wavelength:	454.5 nm	TM-30 Rg:	94
Dominant Wavelength:	578.2 nm	Duv:	0.0002
S/P Ratio:	1.752		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
84.2	82.8	91.2	95.6	81.2	82.1	86.6	86.8	67.3	16.8	77.8	79.3	61.1	85.2	97.8

