



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
PNF-12-LED-e64-WHP-12-SP-C
Order Number
11913931
Test Number
11913931.01A
Revised Date:
2017-08-29
Test Date

2017-08-29

Prepared By

Tony Rubio, 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: Formed white metal housing with patterned lens
Lamp: Three (3) white LEDs with optics
Mounting: Pole/Arm
Ballast/Driver: TRE20

Luminaire



Summary of Results

Radiant Flux:	1371 mW
Luminous Flux:	431.2 lm
Luminaire Efficacy:	51.7 lm/W
CCT:	2670 K
CRI (Ra):	83.7
Chromaticity (x):	0.4589
Chromaticity (y):	0.4053
Chromaticity (u):	0.2643
Chromaticity (v):	0.3501
Duv:	-0.0023

Test Conditions

Test Temperature:	25.3 °C
Voltage:	120.1 VAC
Current:	0.1156 A
Power:	8.340 W
Power Factor:	0.601
Frequency:	60 Hz
Current THD:	129 %

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



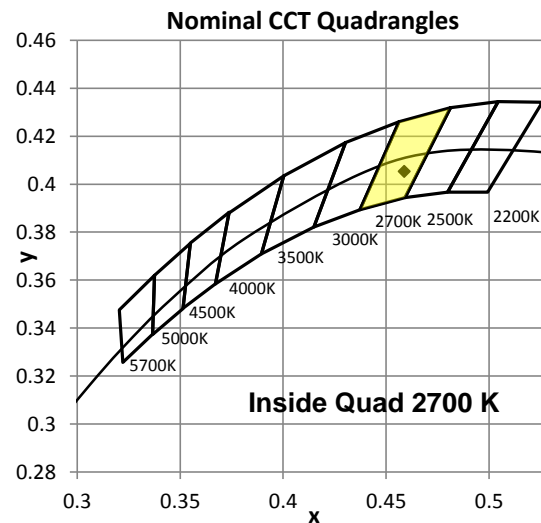
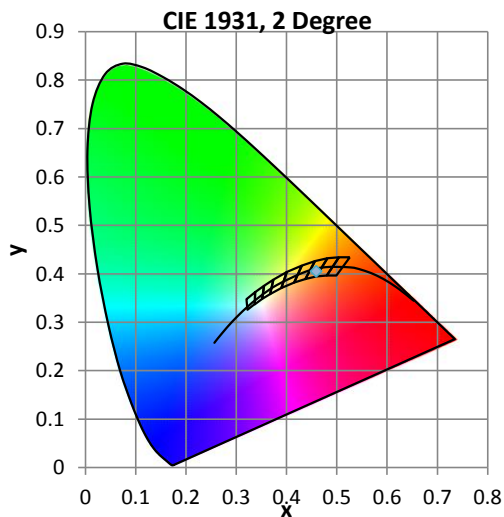
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.1 VAC	0.1156 A	8.340 W	0.601	60 Hz	129 %

Summary of Results

Total Output:	431 Lumens	Chromaticity (x):	0.4589
Efficacy:	51.7 lm/w	Chromaticity (y):	0.4053
CCT:	2670 K	Chromaticity (u'):	0.2643
CRI (Ra):	83.7	Chromaticity (v'):	0.5251
CRI (R9):	14.9	TM-30 Rf:	82.6
Peak Wavelength:	609.3 nm	TM-30 Rg:	98.9
Dominant Wavelength:	585 nm	Duv:	-0.0023
S/P Ratio:	1.203		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
83.7	82.8	91.8	96.7	82.0	82.7	90.7	82.6	60.5	14.9	81.2	82.0	77.0	84.9	98.8

