



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  
**PRP-LED-e58-WHP-12**  
Order Number  
11894916  
Test Number  
11894916.03

Test Date

2017-08-02

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:** White metal shade/reflector, diffuse plastic lens, and metal base  
**Lamp:** One (1) white LED with optic attached  
**Mounting:** VBD  
**Ballast/Driver:** One (1) TRE20

**Luminaire**



**Summary of Results**

Radiant Flux:	1029 mW
Luminous Flux:	340.6 lm
Luminaire Efficacy:	44.6 lm/W
CCT:	2942 K
CRI (Ra):	80.8
Chromaticity (x):	0.4448
Chromaticity (y):	0.4130
Chromaticity (u):	0.2518
Chromaticity (v):	0.3507
Duv:	0.0022

**Test Conditions**

Test Temperature:	24.9 °C
Voltage:	120.0 VAC
Current:	0.06913 A
Power:	7.639 W
Power Factor:	0.920
Frequency:	60 Hz
Current THD:	34.2 %

Absorption correction was employed for this measurement.



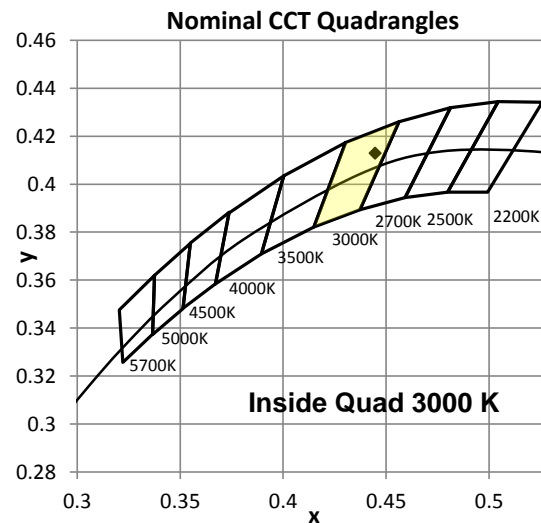
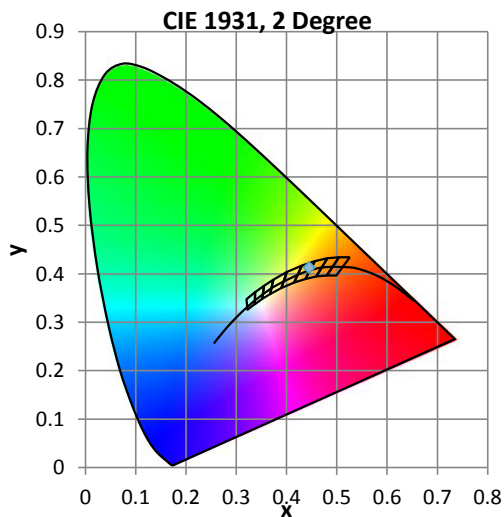
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.0 VAC	0.06913 A	7.639 W	0.920	60 Hz	34.2 %

### Summary of Results

Total Output:	341 Lumens	Chromaticity (x):	0.4448
Efficacy:	44.6 lm/w	Chromaticity (y):	0.4130
CCT:	2942 K	Chromaticity (u'):	0.2518
CRI (Ra):	80.8	Chromaticity (v'):	0.5260
CRI (R9):	1.9	TM-30 Rf:	82.4
Peak Wavelength:	604.3 nm	TM-30 Rg:	94.8
Dominant Wavelength:	582.3 nm	Duv:	0.0022
S/P Ratio:	1.275		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
80.8	78.2	88.4	97.0	78.4	77.9	85.3	83.4	57.4	1.9	73.3	76.2	67.0	80.3	98.4

