



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

**Represented Catalog Numbers**

**SCP-12-LED-e65-12-SP, CAF-12-LED-e65-12-SP, CTF-12-LED-e65-12-SP**

**Tested Catalog Number**  
**RGP-12-LED-e65-12-SP**

Order Number  
11904577  
Test Number  
11904577.03

Test Date

2017-08-15

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:** White metal circular housing with glass prismatic lens  
**Lamp:** Three (3) White LEDs with optic below each  
**Mounting:** Surface  
**Ballast/Driver:** TRE20

**Luminaire**



**Summary of Results**

Radiant Flux:	1306 mW
Luminous Flux:	423.6 lm
Luminaire Efficacy:	57.2 lm/W
CCT:	2968 K
CRI (Ra):	83.3
Chromaticity (x):	0.4385
Chromaticity (y):	0.4036
Chromaticity (u):	0.2518
Chromaticity (v):	0.3476
Duv:	-0.0006

**Test Conditions**

Test Temperature:	25.1 °C
Voltage:	120.1 VAC
Current:	0.06930 A
Power:	7.408 W
Power Factor:	0.891
Frequency:	60 Hz
Current THD:	34.2 %

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



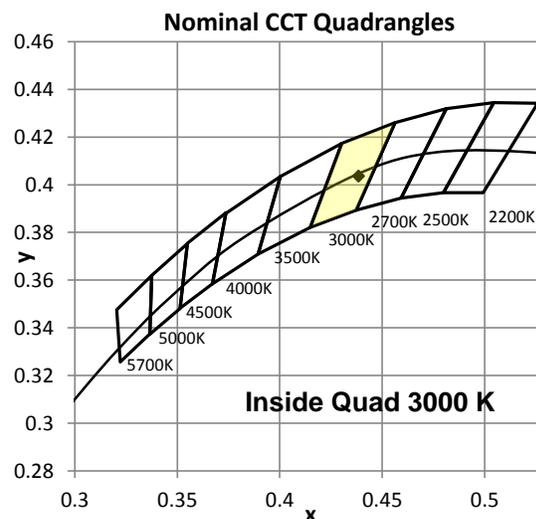
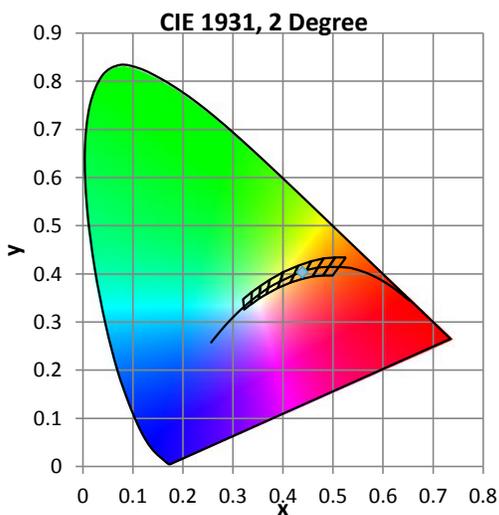
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.1 VAC	0.06930 A	7.408 W	0.891	60 Hz	34.2 %

### Summary of Results

<b>Total Output:</b>	424 Lumens	<b>Chromaticity (x):</b>	0.4385
<b>Efficacy:</b>	57.2 lm/w	<b>Chromaticity (y):</b>	0.4036
<b>CCT:</b>	2968 K	<b>Chromaticity (u'):</b>	0.2518
<b>CRI (Ra):</b>	83.3	<b>Chromaticity (v'):</b>	0.5214
<b>CRI (R9):</b>	14.3	<b>TM-30 Rf:</b>	82.3
<b>Peak Wavelength:</b>	606.6 nm	<b>TM-30 Rg:</b>	98.6
<b>Dominant Wavelength:</b>	583.1 nm	<b>Duv:</b>	-0.0006
<b>S/P Ratio:</b>	1.305		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
83.3	82.0	89.7	95.9	82.7	81.7	87.1	84.7	62.8	14.3	75.9	82.2	70.8	83.6	97.5

