



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.
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 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 π geometry method.
Absorption correction was employed for this measurement.



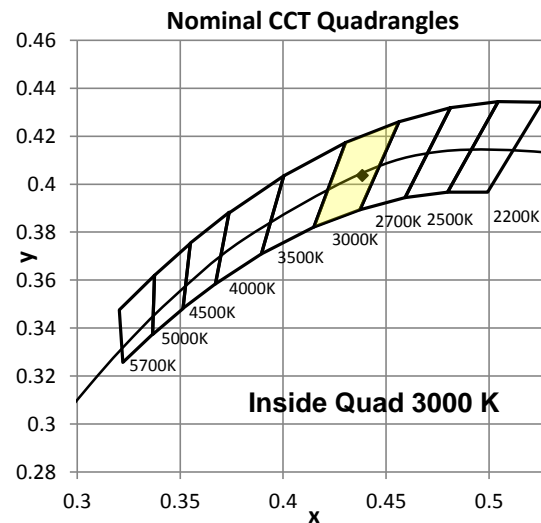
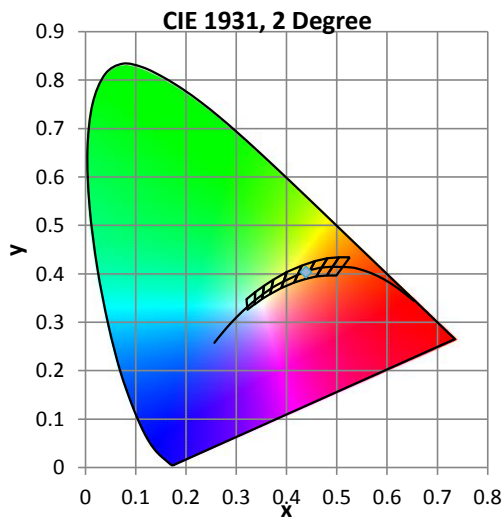
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

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

Summary of Results

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

