



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
Daniel Carrejo
40429 Brickyard Dr
Madera, CA 93636-9515
United States

Catalog Number
DE-LED-C22-SP-9-3000K
Order Number
12408683
Test Number
12408683.02A
Revised:
2018-08-17
Test Date
2018-08-08

Prepared By

Austin Duff, Technician

Approved By

Eric Gaudreau, Engineering Leader

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 cylindrical metal housing, plastic prismatic reflector, and clear glass lens
Lamp: LED array
Mounting: Pendant
Ballast/Driver: One (1) EFORE Strato RSLP035-24

Luminaire



Summary of Results

Radiant Flux:	2151 mW
Luminous Flux:	664.2 lm
Luminaire Efficacy:	32.4 lm/W
CCT:	3036 K
CRI (Ra):	95.2
Chromaticity (x):	0.4360
Chromaticity (y):	0.4069
Chromaticity (u):	0.2488
Chromaticity (v):	0.3482
Duv:	0.0012

Test Conditions

Test Temperature:	25.4 °C
Voltage:	120.0 VAC
Current:	0.1760 A
Power:	20.51 W
Power Factor:	0.971
Frequency:	60 Hz
Current THD:	19.2 %

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



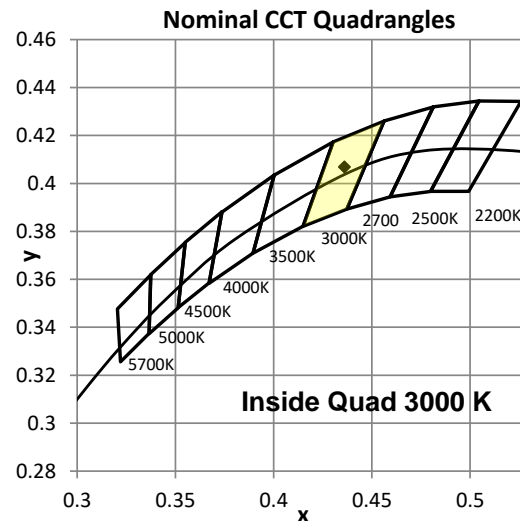
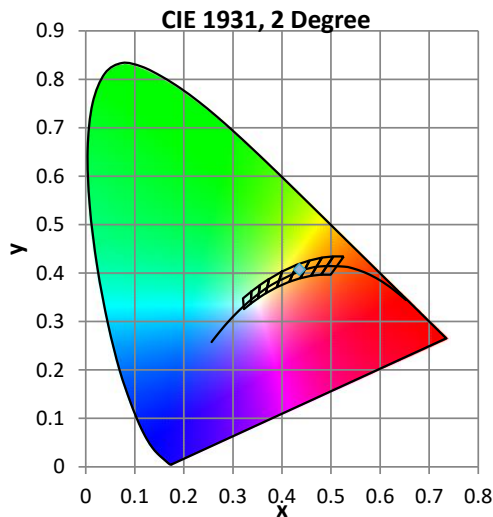
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.0 VAC	0.1760 A	20.51 W	0.971	60 Hz	19.2 %

Summary of Results

Total Output:	664 Lumens	Chromaticity (x):	0.4360
Efficacy:	32.4 lm/w	Chromaticity (y):	0.4069
CCT:	3036 K	Chromaticity (u'):	0.2488
CRI (Ra):	95.2	Chromaticity (v'):	0.5224
CRI (R9):	74.2	TM-30 Rf:	95.5
Peak Wavelength:	642 nm	TM-30 Rg:	102.2
Dominant Wavelength:	582 nm	Duv:	0.0012
S/P Ratio:	1.49		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.2	96.6	99.7	92.8	94.4	96.4	99.3	95.3	87.5	74.2	98.8	91.8	96.8	97.8	95.0	94.9

