



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 C78.377-2017, IES TM-30-2015

Prepared For
B-K Lighting Inc
Daniel Carrejo
40429 Brickyard Dr
Madera, CA 93636-9515
United States

Catalog Number
MA-LED-C26-SP-12-4000K

Order Number

12496749

Test Number

12496749.05A

Revised:

2018-11-19

Test Date

2018-11-14

Prepared By

Austin Duff, Technician

Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
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Luminaire Description: White cylindrical metal housing with specular prismatic reflector and glass prismatic lens above and below

Lamp: Two (2) Lumenetix CTM1C19 16-80K 2000L 35W 24V Module with diffuse lens and specular reflector. One (1) above and one (1) below.

Mounting: Pendant

Ballast/Driver: Two (2) EFORE RSLP070-24

Luminaire



Summary of Results

Radiant Flux:	8306 mW
Luminous Flux:	2580 lm
Luminaire Efficacy:	31.1 lm/W
CCT:	3989 K
CRI (Ra):	95.5
Chromaticity (x):	0.3818
Chromaticity (y):	0.3809
Chromaticity (u):	0.2244
Chromaticity (v):	0.3357
Duv:	0.0015

Test Conditions

Test Temperature:	25.5 °C
Voltage:	120.1 VAC
Current:	0.7043 A
Power:	82.88 W
Power Factor:	0.980
Frequency:	60 Hz
Current THD:	14.5 %

Testing was performed in a 2-meter integrating sphere using the 4 π geometry method.
Absorption correction was employed for this measurement.



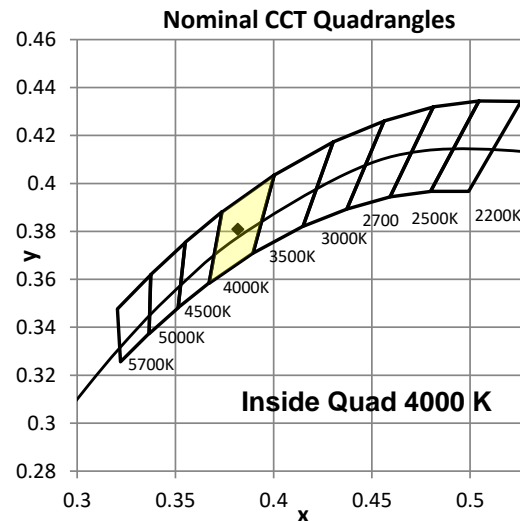
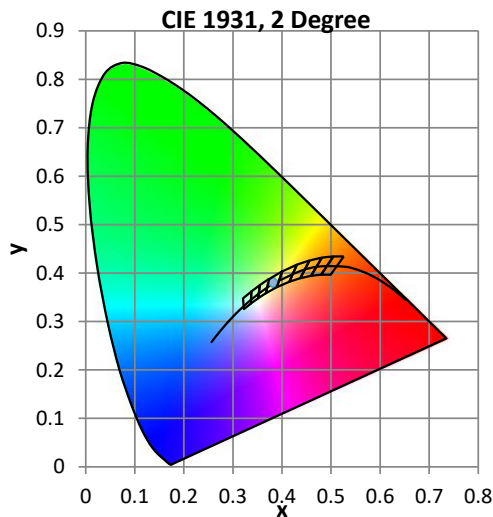
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.1 VAC	0.7043 A	82.88 W	0.980	60 Hz	14.5 %

Summary of Results

Total Output:	2580 Lumens	Chromaticity (x):	0.3818
Efficacy:	31.1 lm/w	Chromaticity (y):	0.3809
CCT:	3989 K	Chromaticity (u'):	0.2244
CRI (Ra):	95.5	Chromaticity (v'):	0.5036
CRI (R9):	97.1	TM-30 Rf:	93
Peak Wavelength:	643 nm	TM-30 Rg:	100
Dominant Wavelength:	578 nm	Duv:	0.0015
S/P Ratio:	1.79		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.5	95.2	95.6	93.2	95.5	94.6	92.8	98.1	98.7	97.1	88.3	94.9	80.0	94.9	95.6	95.7

