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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

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United States

Catalog Number
K2-LED-C26-SP-12-3000K

Order Number

12496739

Test Number

12496739.03A

Revised:

2018-11-19

Test Date

2018-11-10

Prepared By

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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
Lamp: One (1) Lumenetix CTM1C19 16-80K 2000L 35W 24V Module with diffuse lens and specular reflector
Mounting: Pendant
Ballast/Driver: One (1) EFORE RSLP070-24

Luminaire



Summary of Results

Radiant Flux:	3473 mW
Luminous Flux:	1104 lm
Luminaire Efficacy:	37.3 lm/W
CCT:	3027 K
CRI (Ra):	95.6
Chromaticity (x):	0.4358
Chromaticity (y):	0.4053
Chromaticity (u):	0.2493
Chromaticity (v):	0.3478
Duv:	0.0006

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.1 VAC
Current:	0.2546 A
Power:	29.61 W
Power Factor:	0.968
Frequency:	60 Hz
Current THD:	18.2 %

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



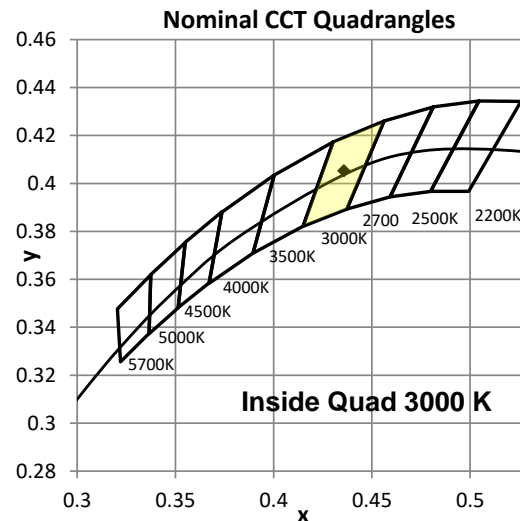
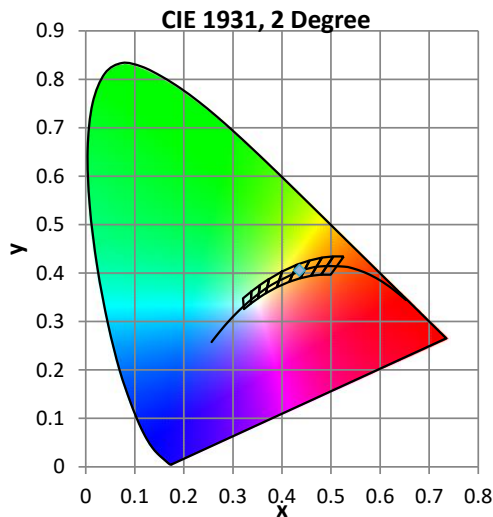
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.2546 A	29.61 W	0.968	60 Hz	18.2 %

Summary of Results

Total Output:	1104 Lumens	Chromaticity (x):	0.4358
Efficacy:	37.3 lm/w	Chromaticity (y):	0.4053
CCT:	3027 K	Chromaticity (u'):	0.2493
CRI (Ra):	95.6	Chromaticity (v'):	0.5217
CRI (R9):	96.2	TM-30 Rf:	93.3
Peak Wavelength:	640 nm	TM-30 Rg:	103
Dominant Wavelength:	583 nm	Duv:	0.0006
S/P Ratio:	1.42		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.6	98.2	96.1	90.5	96.0	97.3	94.9	95.8	95.8	96.2	89.0	95.9	87.8	97.1	93.5	98.8

