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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
MA-LED-C26-SP-12-2700K

Order Number

12496749

Test Number

12496749.01A

Revised:

2018-11-19

Test Date

2018-11-15

Prepared By

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Approved By

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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:	5050 mW
Luminous Flux:	1609 lm
Luminaire Efficacy:	31.9 lm/W
CCT:	2700 K
CRI (Ra):	95.4
Chromaticity (x):	0.4607
Chromaticity (y):	0.4123
Chromaticity (u):	0.2623
Chromaticity (v):	0.3521
Duv:	0.0002

Test Conditions

Test Temperature:	24.6 °C
Voltage:	120.1 VAC
Current:	0.4365 A
Power:	50.46 W
Power Factor:	0.963
Frequency:	60 Hz
Current THD:	19.4 %

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



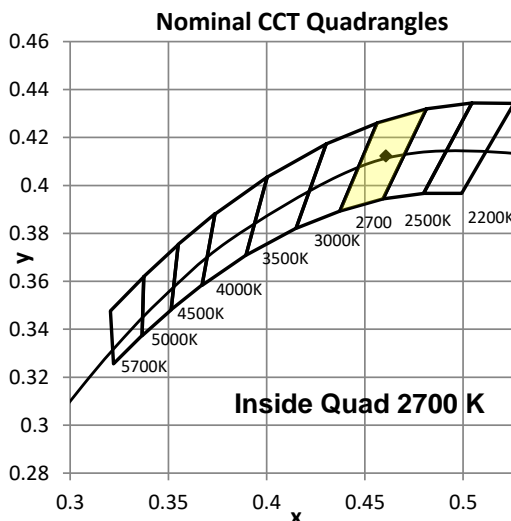
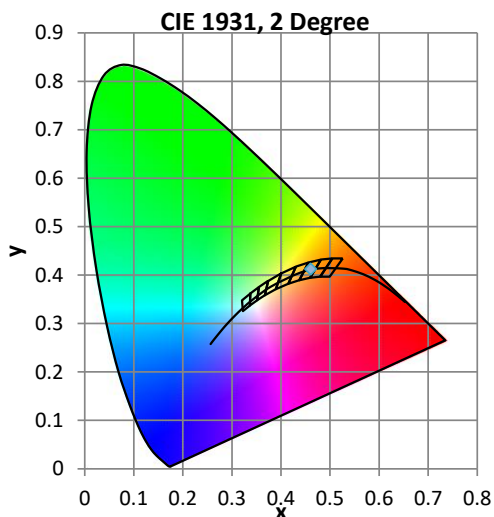
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.4365 A	50.46 W	0.963	60 Hz	19.4 %

Summary of Results

Total Output:	1609 Lumens	Chromaticity (x):	0.4607
Efficacy:	31.9 lm/w	Chromaticity (y):	0.4123
CCT:	2700 K	Chromaticity (u'):	0.2623
CRI (Ra):	95.4	Chromaticity (v'):	0.5281
CRI (R9):	99.2	TM-30 Rf:	91.7
Peak Wavelength:	640 nm	TM-30 Rg:	103.5
Dominant Wavelength:	584 nm	Duv:	0.0002
S/P Ratio:	1.26		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.4	97.6	95.8	90.1	95.7	96.6	95.0	95.9	96.8	99.2	88.2	95.8	88.1	96.5	93.0	97.5

