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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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Catalog Number
AP-LED-C26-FL-12-4000K, SM-AP-LED-C26-FL-12-4000K

Order Number

12627577

Test Number

12627577.04

Test Date

2018-11-29

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 metal mounting plate; specular prismatic reflector and glass prismatic lens
Lamp: One (1) Luminetix CTM1C19 16-80K 2000L 35W 24V module with diffuse lens and specular reflector
Mounting: Surface – Wall
Ballast/Driver: One (1) Efore Strato RSLP070-24

Luminaire



Summary of Results

Radiant Flux:	4117 mW
Luminous Flux:	1302 lm
Luminaire Efficacy:	33.2 lm/W
CCT:	3842 K
CRI (Ra):	94.9
Chromaticity (x):	0.3878
Chromaticity (y):	0.3820
Chromaticity (u):	0.2279
Chromaticity (v):	0.3366
Duv:	0.0001

Test Conditions

Test Temperature:	25.4 °C
Voltage:	120.0 VAC
Current:	0.3341 A
Power:	39.18 W
Power Factor:	0.977
Frequency:	60 Hz
Current THD:	15.7 %

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



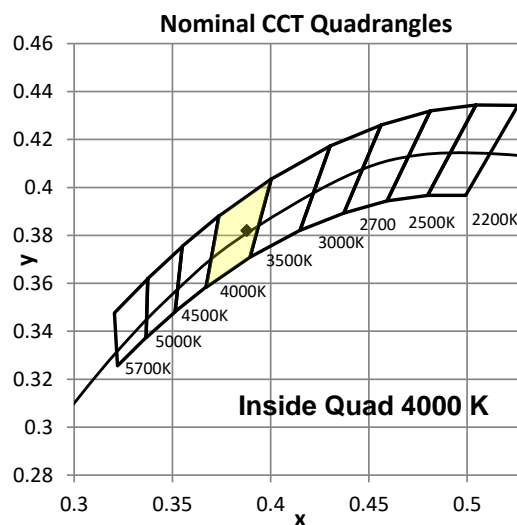
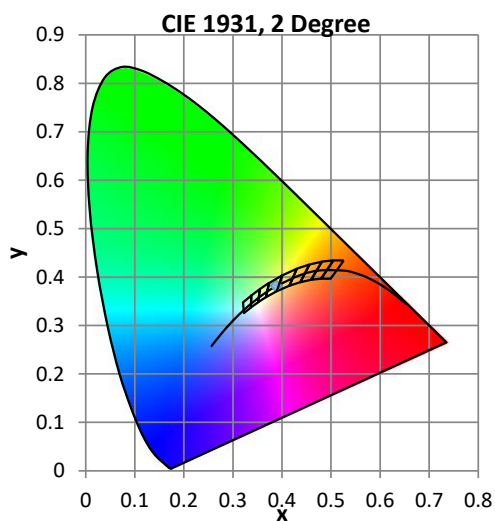
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.0 VAC	0.3341 A	39.18 W	0.977	60 Hz	15.7 %

Summary of Results

Total Output:	1302 Lumens	Chromaticity (x):	0.3878
Efficacy:	33.2 lm/w	Chromaticity (y):	0.3820
CCT:	3842 K	Chromaticity (u'):	0.2279
CRI (Ra):	94.9	Chromaticity (v'):	0.5050
CRI (R9):	90.1	TM-30 Rf:	92.7
Peak Wavelength:	639 nm	TM-30 Rg:	100.7
Dominant Wavelength:	580 nm	Duv:	0.0001
S/P Ratio:	1.73		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.9	94.9	95.3	93.1	95.1	94.4	93.0	96.8	96.2	90.1	87.4	94.8	81.9	94.6	95.4	94.9

