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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-SP-12-3000K, SM-AP-LED-C26-SP-12-3000K

Order Number

12498468

Test Number

12498468.03A

Revised:

2018-11-19

Test Date

2018-11-09

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 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:	2941 mW
Luminous Flux:	939.3 lm
Luminaire Efficacy:	32.1 lm/W
CCT:	2940 K
CRI (Ra):	95.9
Chromaticity (x):	0.4413
Chromaticity (y):	0.4058
Chromaticity (u):	0.2526
Chromaticity (v):	0.3485
Duv:	0.0002

Test Conditions

Test Temperature:	25.2 °C
Voltage:	120.2 VAC
Current:	0.2520 A
Power:	29.29 W
Power Factor:	0.967
Frequency:	60 Hz
Current THD:	18.8 %

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



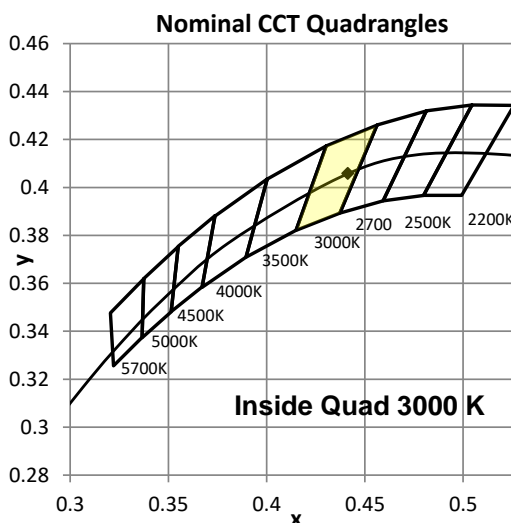
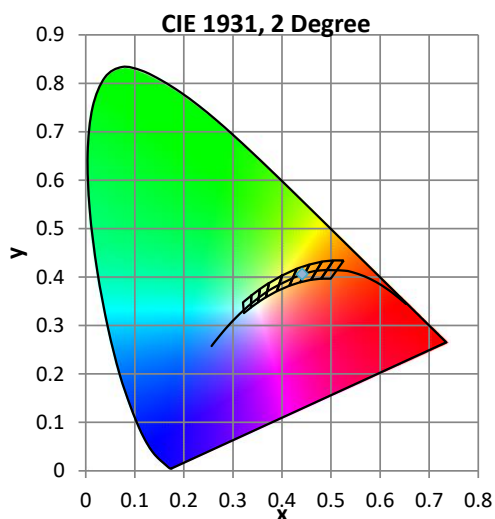
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.2 °C	120.2 VAC	0.2520 A	29.29 W	0.967	60 Hz	18.8 %

Summary of Results

Total Output:	939 Lumens	Chromaticity (x):	0.4413
Efficacy:	32.1 lm/w	Chromaticity (y):	0.4058
CCT:	2940 K	Chromaticity (u'):	0.2526
CRI (Ra):	95.9	Chromaticity (v'):	0.5227
CRI (R9):	95.1	TM-30 Rf:	92.8
Peak Wavelength:	638 nm	TM-30 Rg:	103.7
Dominant Wavelength:	583 nm	Duv:	0.0002
S/P Ratio:	1.39		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.9	99.3	96.8	90.3	95.2	98.1	96.3	95.7	95.2	95.1	90.3	94.6	90.3	98.3	93.2	99.2

