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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
SM-APII-LED-C26-BW-12-2700K

Order Number
12498442

Test Number
12498442.01A

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 diffuse lens and plastic patterned optic
Lamp: One (1) Luminetix CTM1C19 16-80K 2000L 35W 24V module with diffuse lens and specular reflector
Mounting: Surface – Ceiling
Ballast/Driver: One (1) Efore Strato RSLP070-24

Luminaire



Summary of Results

Radiant Flux:	3132 mW
Luminous Flux:	993.7 lm
Luminaire Efficacy:	39.5 lm/W
CCT:	2644 K
CRI (Ra):	95.3
Chromaticity (x):	0.4647
Chromaticity (y):	0.4122
Chromaticity (u):	0.2649
Chromaticity (v):	0.3524
Duv:	0.0002

Test Conditions

Test Temperature:	25.2 °C
Voltage:	120.1 VAC
Current:	0.2178 A
Power:	25.13 W
Power Factor:	0.961
Frequency:	60 Hz
Current THD:	20.2 %

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



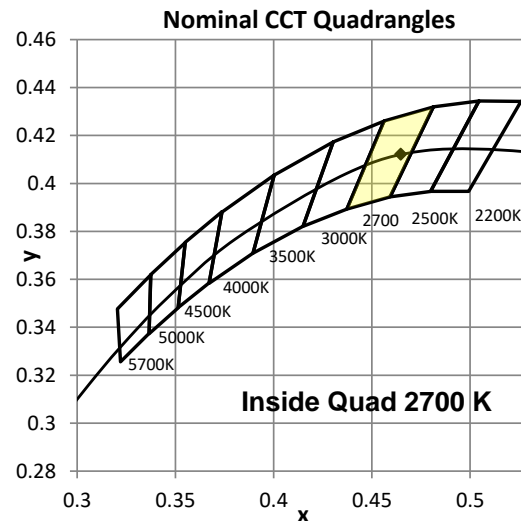
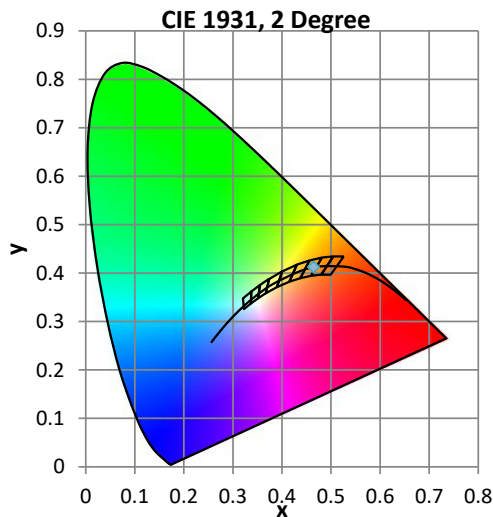
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.2 °C	120.1 VAC	0.2178 A	25.13 W	0.961	60 Hz	20.2 %

Summary of Results

Total Output:	994 Lumens	Chromaticity (x):	0.4647
Efficacy:	39.5 lm/w	Chromaticity (y):	0.4122
CCT:	2644 K	Chromaticity (u'):	0.2649
CRI (Ra):	95.3	Chromaticity (v'):	0.5287
CRI (R9):	99.4	TM-30 Rf:	91
Peak Wavelength:	639 nm	TM-30 Rg:	104
Dominant Wavelength:	584 nm	Duv:	0.0002
S/P Ratio:	1.23		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.3	97.8	95.8	89.7	95.4	96.7	94.9	95.6	96.6	99.4	88.0	95.6	87.8	96.6	92.7	97.8

