



UL LLC  
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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  
**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

William Escobar, Technician

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 4π geometry method. Absorption correction was employed for this measurement.



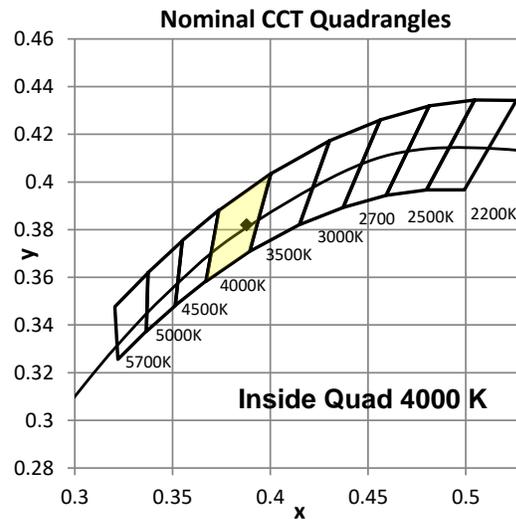
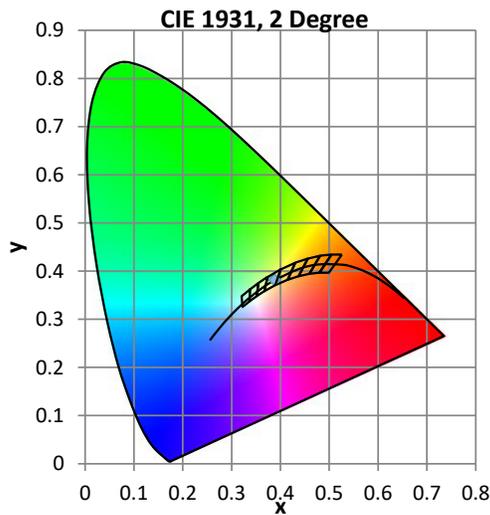
## Color Quality - Integrating Sphere

### 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

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

