



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-SP-12-4000K, SM-AP-LED-C26-SP-12-4000K**

Order Number

12627577

Test Number

12627577.02

Test Date

2018-11-30

Prepared By

Austin Duff, 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:	4314 mW
Luminous Flux:	1357 lm
Luminaire Efficacy:	33.6 lm/W
CCT:	3912 K
CRI (Ra):	95.5
Chromaticity (x):	0.3847
Chromaticity (y):	0.3807
Chromaticity (u):	0.2263
Chromaticity (v):	0.3359
Duv:	0.0005

**Test Conditions**

Test Temperature:	24.4 °C
Voltage:	120.1 VAC
Current:	0.3433 A
Power:	40.35 W
Power Factor:	0.979
Frequency:	60 Hz
Current THD:	15.3 %

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



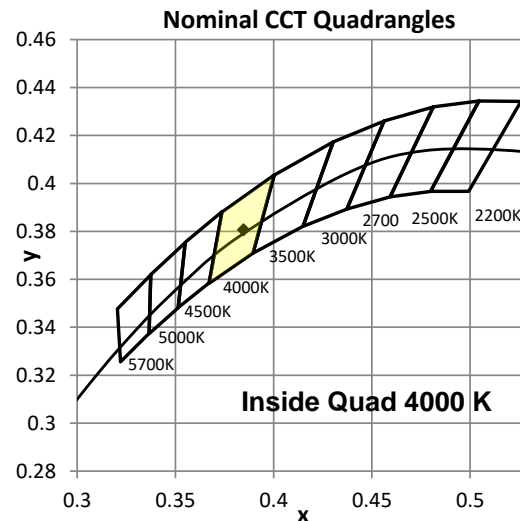
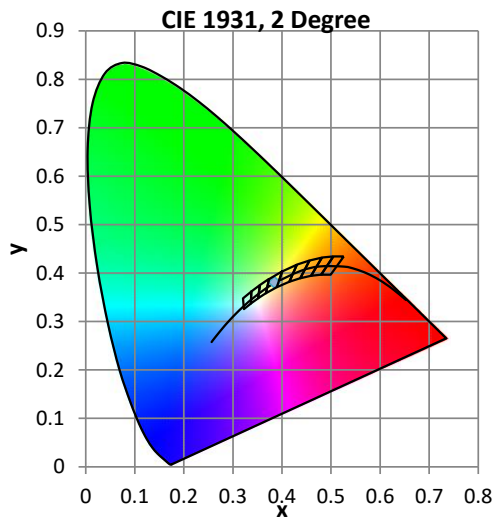
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.3433 A	40.35 W	0.979	60 Hz	15.3 %

### Summary of Results

Total Output:	1357 Lumens	Chromaticity (x):	0.3847
Efficacy:	33.6 lm/w	Chromaticity (y):	0.3807
CCT:	3912 K	Chromaticity (u'):	0.2263
CRI (Ra):	95.5	Chromaticity (v'):	0.5039
CRI (R9):	93.8	TM-30 Rf:	93.3
Peak Wavelength:	640 nm	TM-30 Rg:	100.9
Dominant Wavelength:	579 nm	Duv:	0.0005
S/P Ratio:	1.76		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.5	95.7	95.7	93.0	95.9	95.2	93.5	97.2	97.5	93.8	88.3	95.6	82.6	95.3	95.4	96.2

