



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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Catalog Number  
**AP-LED-C26-SP-12-2700K, SM-AP-LED-C26-SP-12-2700K**

Order Number

12498468

Test Number

12498468.01A

Revised:

2018-11-19

Test Date

2018-11-08

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:	2495 mW
Luminous Flux:	798 lm
Luminaire Efficacy:	31.7 lm/W
CCT:	2625 K
CRI (Ra):	95.7
Chromaticity (x):	0.4658
Chromaticity (y):	0.4116
Chromaticity (u):	0.2659
Chromaticity (v):	0.3524
Duv:	0.0002

**Test Conditions**

Test Temperature:	25.5 °C
Voltage:	120.0 VAC
Current:	0.2183 A
Power:	25.16 W
Power Factor:	0.961
Frequency:	60 Hz
Current THD:	20.4 %

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



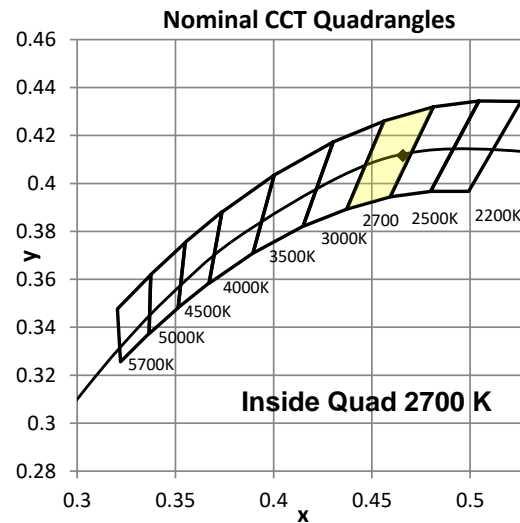
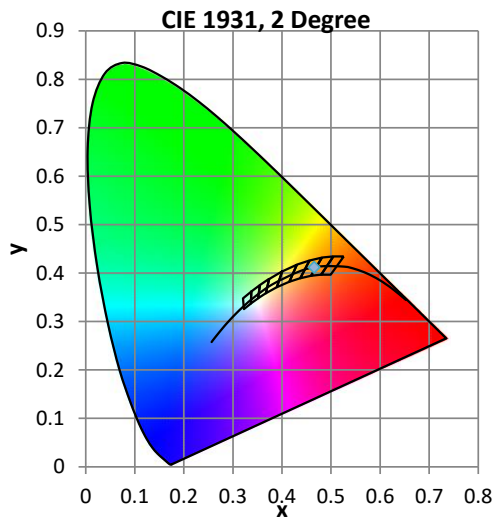
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.0 VAC	0.2183 A	25.16 W	0.961	60 Hz	20.4 %

### Summary of Results

Total Output:	798 Lumens	Chromaticity (x):	0.4658
Efficacy:	31.7 lm/w	Chromaticity (y):	0.4116
CCT:	2625 K	Chromaticity (u'):	0.2659
CRI (Ra):	95.7	Chromaticity (v'):	0.5286
CRI (R9):	98.9	TM-30 Rf:	90.4
Peak Wavelength:	638 nm	TM-30 Rg:	104.7
Dominant Wavelength:	585 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
95.7	99.1	96.5	89.5	94.7	97.6	96.5	95.5	96.2	98.9	89.3	94.0	90.0	98.0	92.4	98.4

