



UL LLC  
1075 W Lambert Rd Suite B  
Brea, CA 92821

## 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**

DANIEL CARREJO  
40429 BRICKYARD DR.  
MADERA, CA 93636-9515  
UNITED STATES

Catalog Number  
**SM-APII-LED-C26-BW-12-4000K**

Order Number  
12498442

Test Number  
12498442.04A

Revised:  
2018-11-19  
Test Date

2018-11-12

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 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:	5125 mW
Luminous Flux:	1586 lm
Luminaire Efficacy:	38.6 lm/W
CCT:	3946 K
CRI (Ra):	95.6
Chromaticity (x):	0.3836
Chromaticity (y):	0.3812
Chromaticity (u):	0.2254
Chromaticity (v):	0.3360
Duv:	0.0011

**Test Conditions**

Test Temperature:	25.5 °C
Voltage:	120.1 VAC
Current:	0.3496 A
Power:	41.12 W
Power Factor:	0.979
Frequency:	60 Hz
Current THD:	14.9 %

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



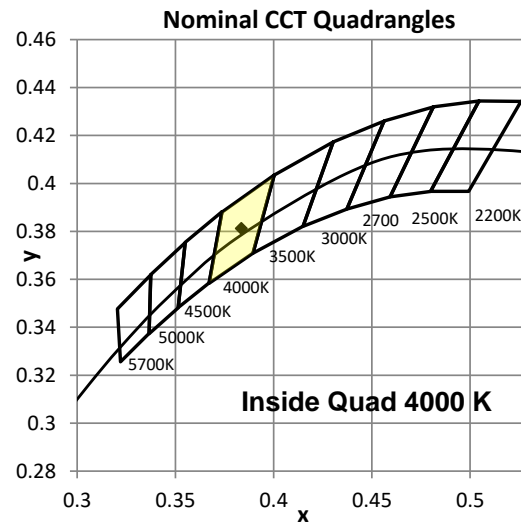
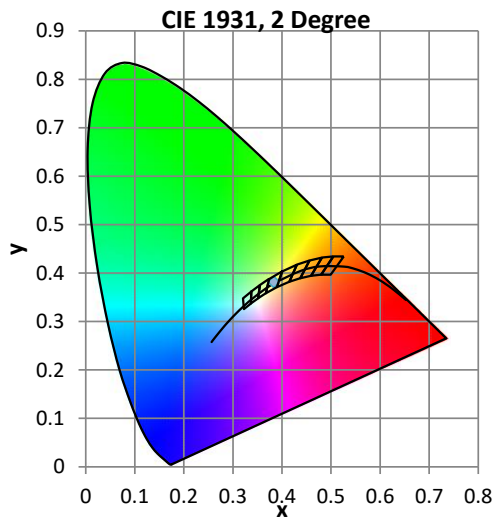
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.1 VAC	0.3496 A	41.12 W	0.979	60 Hz	14.9 %

### Summary of Results

<b>Total Output:</b>	1586 Lumens	<b>Chromaticity (x):</b>	0.3836
<b>Efficacy:</b>	38.6 lm/w	<b>Chromaticity (y):</b>	0.3812
<b>CCT:</b>	3946 K	<b>Chromaticity (u'):</b>	0.2254
<b>CRI (Ra):</b>	95.6	<b>Chromaticity (v'):</b>	0.5040
<b>CRI (R9):</b>	98.2	<b>TM-30 Rf:</b>	93.1
<b>Peak Wavelength:</b>	643 nm	<b>TM-30 Rg:</b>	100.3
<b>Dominant Wavelength:</b>	579 nm	<b>Duv:</b>	0.0011
<b>S/P Ratio:</b>	1.77		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.6	95.4	95.8	93.1	95.7	94.8	92.9	98.1	98.8	98.2	88.6	95.0	80.2	95.1	95.6	96.2

