



UL LLC
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Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2011, ANSI C82.77-2002
CIE 13.3-1995, CIE 15-2004, IES TM-30-15

Prepared For
B-K LIGHTING INC

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Catalog Number

DE-LED-x64-SP-9 SN-DE-LED-x64-SP-9 ST-DE-LED-x64-SP-9 SM-DE-LED-x64-SP-9
UL-DE-LED-x64-SP-9 CK-LED-x64-SP-9 OL-LED-x63-SP-9

Order Number
11353040
Test Number
11353040.31

Test Date

2016-09-09

Prepared By

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Approved By

Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Circular black aluminum housing, specular linear reflector, and glass lens
Lamp: One (1) White LED
Mounting: VBU
Ballast/Driver: Thomas Research Products LED25W-36-C0700-LE

Luminaire



Summary of Results

Radiant Flux:	5462 mW
Luminous Flux:	1807 lm
Luminaire Efficacy:	66.2 lm/W
CCT:	2832 K
CRI (Ra):	80.3
Chromaticity (x):	0.4508
Chromaticity (y):	0.4109
Chromaticity (u):	0.2565
Chromaticity (v):	0.3507
Duv:	0.0009

Test Conditions

Test Temperature:	25.8 °C
Voltage:	120.0 VAC
Current:	0.2318 A
Power:	27.28 W
Power Factor:	0.981
Frequency:	60 Hz
Current THD:	16.9 %

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



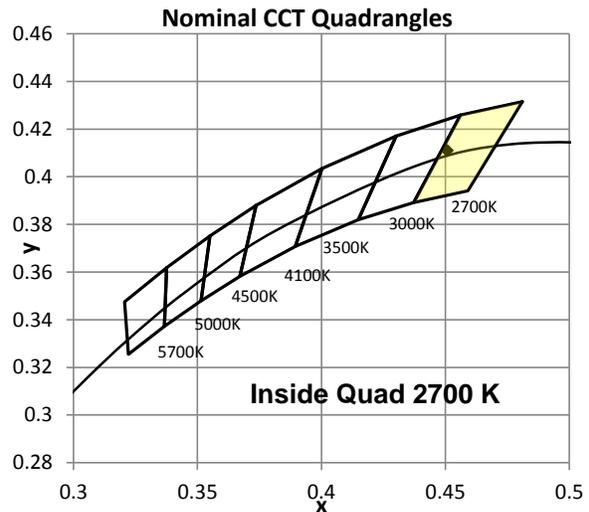
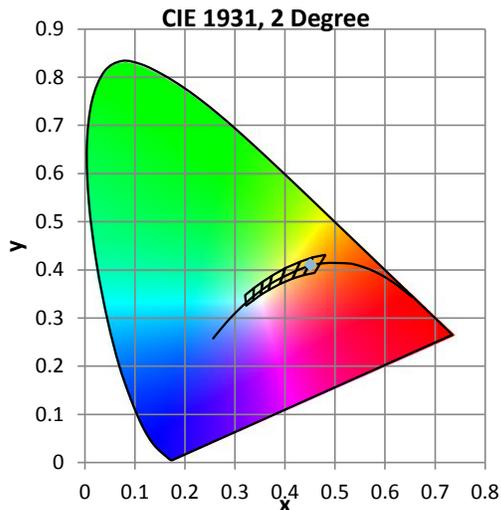
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.8 °C	120.0 VAC	0.2318 A	27.28 W	0.981	60 Hz	16.9 %

Summary of Results

Total Output:	1807 Lumens	Chromaticity (x):	0.4508
Efficacy:	66.2 lm/w	Chromaticity (y):	0.4109
CCT:	2832 K	Chromaticity (u'):	0.2565
CRI (Ra):	80.3	Chromaticity (v'):	0.5261
CRI (R9):	-2.2	TM-30 R_f:	82.2
Peak Wavelength:	603.2 nm	TM-30 R_g:	92.6
Dominant Wavelength:	583.2 nm	Duv:	0.0009
S/P Ratio:	1.279		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
80.3	78.5	91.5	93.3	76.6	79.1	90.5	79.6	53.2	-2.2	81.3	75.3	74.6	81.6	96.8

