



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 C78.377-2015, IES TM-30-2015

Prepared For
B-K Lighting Inc

Chris McCarthy
40429 Brickyard Dr
Madera, CA 93636-9515
United States

Represented Catalog Numbers:

MBS-LED-e71-SD8, MBS-LED-e71-SD5, MBS-LEDe71 no shade

Tested Catalog Number
MBS-LED-e71-SD8

Order Number

11609588

Test Number

11609588.14A

Revised:

2017-05-09

Test Date

2017-04-07

Prepared By

Tony Rubio, Technician

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: Decorative white metal housing with reflector, grate and diffuse lens.
Lamp: One (1) white LED
Mounting: Pendant
Ballast/Driver: Unmarked power supply

Luminaire



Summary of Results

Radiant Flux:	305.3 mW
Luminous Flux:	99.97 lm
Luminaire Efficacy:	27.6 lm/W
CCT:	2927 K
CRI (Ra):	82.2
Chromaticity (x):	0.4441
Chromaticity (y):	0.4097
Chromaticity (u):	0.2527
Chromaticity (v):	0.3498
Duv:	0.0010

Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.1 VAC
Current:	0.05661 A
Power:	3.627 W
Power Factor:	0.533
Frequency:	60 Hz
Current THD:	145 %

Absorption correction was employed for this measurement.



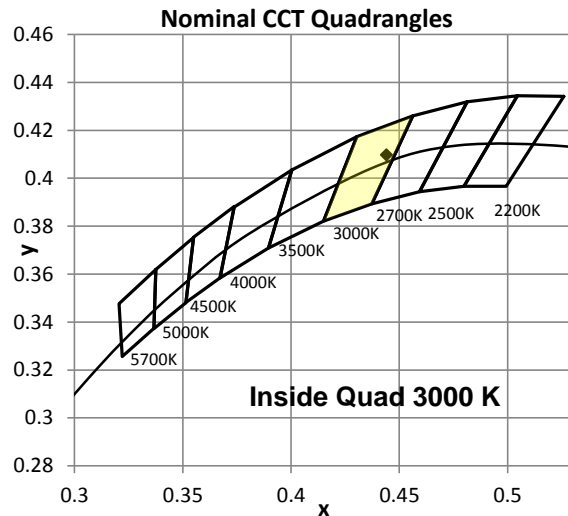
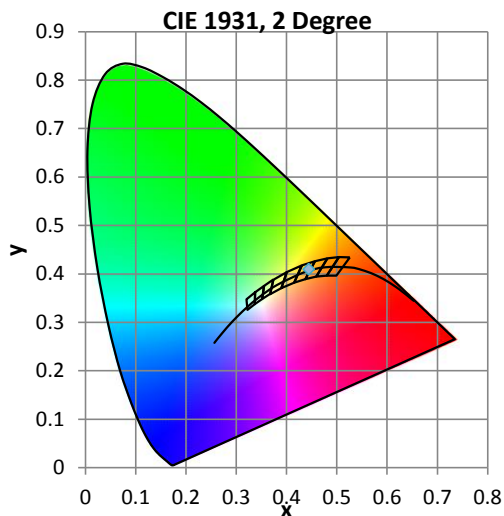
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.05661 A	3.627 W	0.533	60 Hz	145 %

Summary of Results

Total Output:	100 Lumens	Chromaticity (x):	0.4441
Efficacy:	27.6 lm/w	Chromaticity (y):	0.4097
CCT:	2927 K	Chromaticity (u'):	0.2527
CRI (Ra):	82.2	Chromaticity (v'):	0.5246
CRI (R9):	10.3	TM-30 R _f :	82.5
Peak Wavelength:	605.8 nm	TM-30 R _g :	96.5
Dominant Wavelength:	582.7 nm	Duv:	0.0010
S/P Ratio:	1.275		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.2	80.5	89.1	96.2	80.6	79.8	85.9	84.6	61.1	10.3	74.2	78.9	65.8	82.3	97.6

