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

Prepared For
B-K Lighting Inc
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Catalog Number
LTL-X43-LED
Order Number
12033910
Test Number
12033910.02

Test Date

2017-11-09

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: Decorative white metal housing with louvers and frosted lens
Lamp: One (1) white LED with optic
Mounting: Post
Ballast/Driver: One (1) ECOdrive 561/S

Luminaire



Summary of Results

Radiant Flux:	6120 mW
Luminous Flux:	1961 lm
Luminaire Efficacy:	58.3 lm/W
CCT:	2741 K
CRI (Ra):	82.3
Chromaticity (x):	0.4569
Chromaticity (y):	0.4107
Chromaticity (u):	0.2606
Chromaticity (v):	0.3513
Duv:	0.0001

Test Conditions

Test Temperature:	25.1 °C
Voltage:	120.0 VAC
Current:	0.2825 A
Power:	33.64 W
Power Factor:	0.992
Frequency:	60 Hz
Current THD:	6.77 %

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



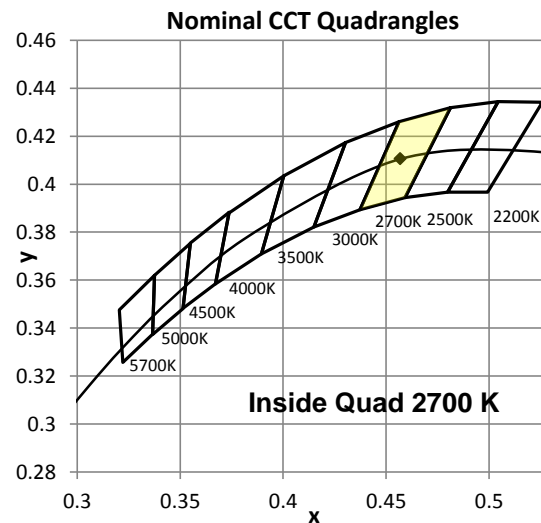
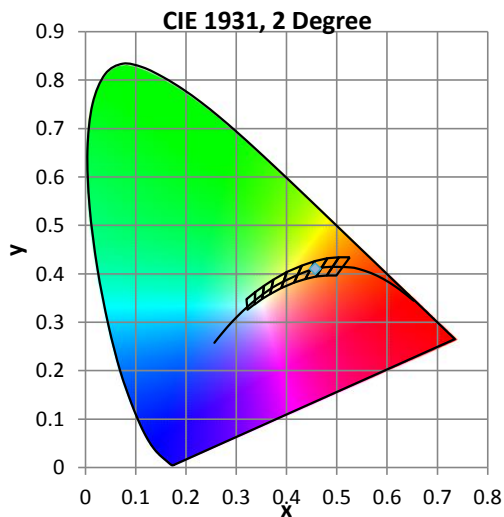
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.2825 A	33.64 W	0.992	60 Hz	6.77 %

Summary of Results

Total Output:	1961 Lumens	Chromaticity (x):	0.4569
Efficacy:	58.3 lm/w	Chromaticity (y):	0.4107
CCT:	2741 K	Chromaticity (u'):	0.2606
CRI (Ra):	82.3	Chromaticity (v'):	0.5269
CRI (R9):	9.0	TM-30 Rf:	83.3
Peak Wavelength:	606.7 nm	TM-30 Rg:	94.7
Dominant Wavelength:	583.9 nm	Duv:	0.0001
S/P Ratio:	1.238		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82.3	80.8	91.9	95.3	79.3	80.9	90.7	81.7	57.9	9.0	81.7	78.3	74.2	83.4	98.1	73.2

