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Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Prepared For
B-K Lighting Inc

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United States

Catalog Number
BSB-LED-X85-SD15

Order Number

11609594

Test Number

11609594.04A

Revised Date:

2017-10-05

Test Date

2017-08-23

Prepared By

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Approved By

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The results contained in this report pertain only to the tested sample.
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Luminaire Description: Decorative white metal housing, reflector, diffuse lens, and standing pole housing
Lamp: One (1) White LED
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/M

Luminaire



Luminaire Characteristics

Luminous Diameter: 15.00 in.
Luminous Height: 7.00 in.

Summary of Results

Roadway Classification: Type II, Very Short
Cutoff Classification: Cutoff
BUG Rating: B1 U2 G1

Test Conditions

Test Temperature: 25.0 °C
Voltage: 120.1 VAC
Current: 0.1936 A
Power: 23.02 W
Power Factor: 0.990
Frequency: 60 Hz
Current THD: 6.77 %

Tested in 30 planes left side, 30 planes right side, left and right averaged
Vertical test increments are 2.5 degrees
Test distance exceeds five times the greatest luminous opening of luminaire

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

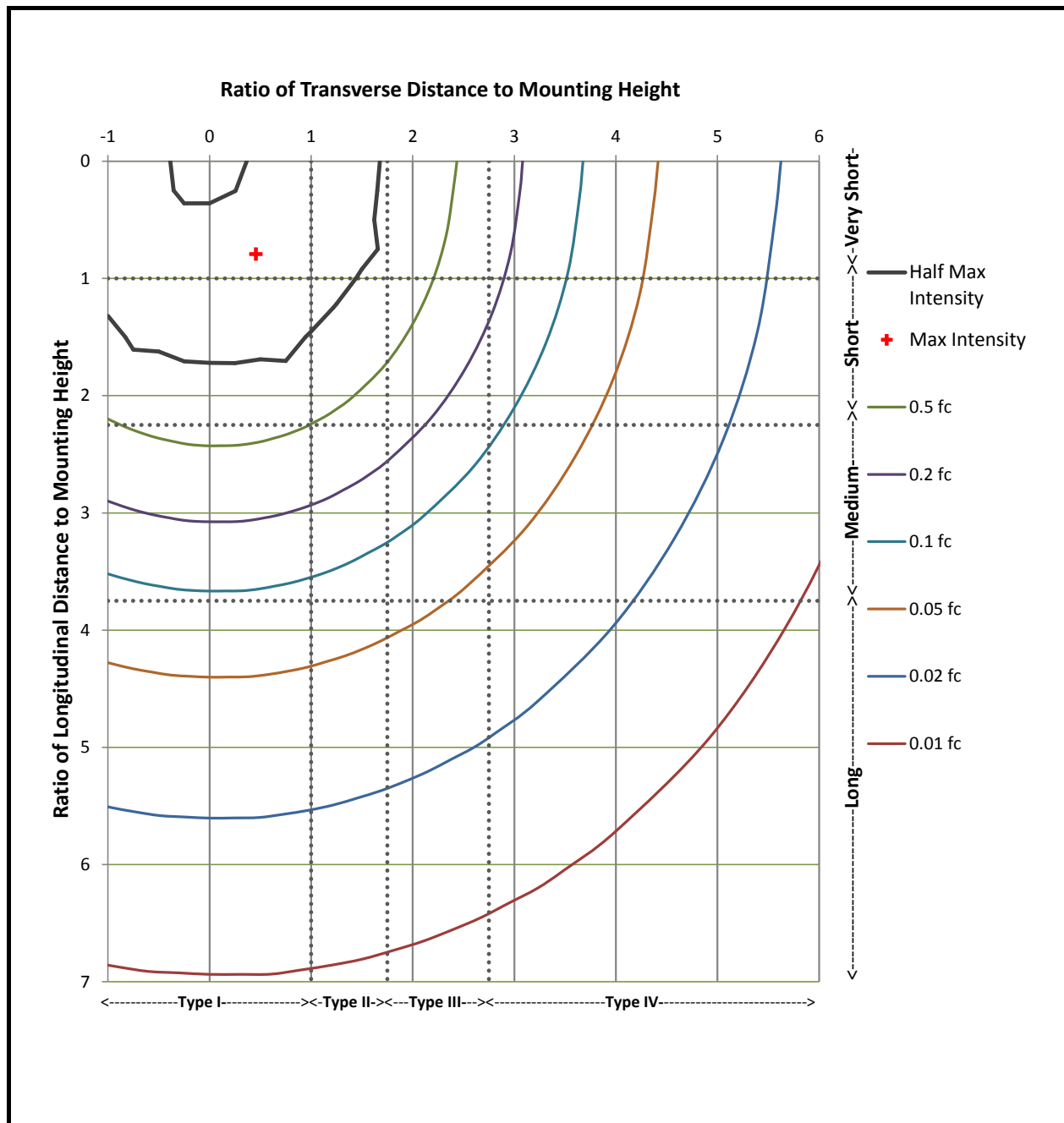
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.1 VAC	0.1936 A	23.02 W	0.990	60 Hz	6.77 %

Summary of Results

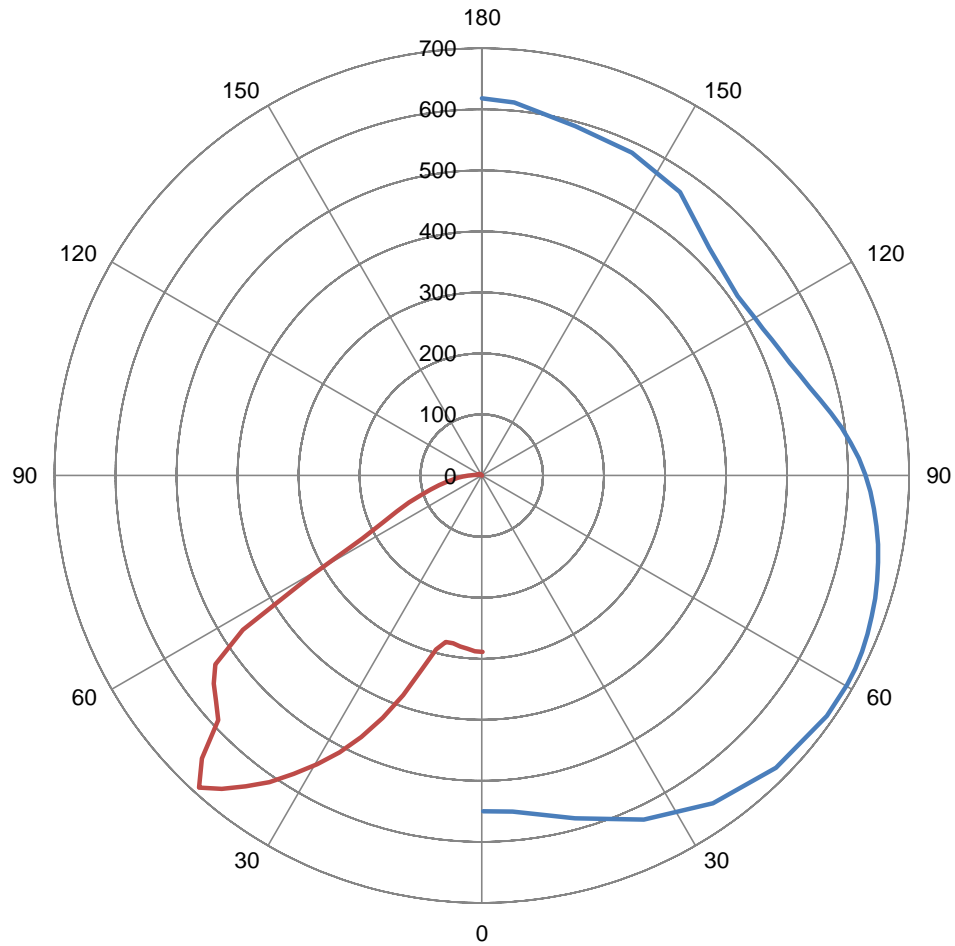
IES Roadway Classification:	Type II, Very Short	Total Lumen Output:	1858 Lumens
Cutoff Classification:	Cutoff	Luminaire Efficacy:	80.7 lm/w
BUG Rating:	B1 U2 G1	Maximum Candela:	690 Candela

ISO FootCandle Plot at 4 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

60 ° Lateral

Lateral Cone Through

42.5 ° Vertical

Maximum Intensity (Candlepower):

690 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	7.3	0.4%	60-65	114.5	6.2%	120-125	2.0	0.1%
5-10	20.1	1.1%	65-70	75.5	4.1%	125-130	1.4	0.1%
10-15	33.1	1.8%	70-75	54.5	2.9%	130-135	0.9	0.0%
15-20	51.8	2.8%	75-80	38.3	2.1%	135-140	0.6	0.0%
20-25	81.3	4.4%	80-85	26.4	1.4%	140-145	0.4	0.0%
25-30	115.7	6.2%	85-90	17.3	0.9%	145-150	0.3	0.0%
30-35	151.7	8.2%	90-95	9.9	0.5%	150-155	0.2	0.0%
35-40	188.9	10.2%	95-100	5.3	0.3%	155-160	0.2	0.0%
40-45	220.7	11.9%	100-105	3.7	0.2%	160-165	0.1	0.0%
45-50	220.0	11.8%	105-110	3.4	0.2%	165-170	0.0	0.0%
50-55	215.5	11.6%	110-115	3.0	0.2%	170-175	0.0	0.0%
55-60	191.4	10.3%	115-120	2.5	0.1%	175-180	0.0	0.0%



IES "BUG" Rating
(Back Light, Uplight, Glare)
Per IES TM-15-11



Luminaire Classification System (LCS)

LCS	Zone	Lumens	Luminaire %
FL	(0-30)	163.4	8.8%
FM	(30-60)	624.7	33.6%
FH	(60-80)	139.2	7.5%
FVH	(80-90)	21.5	1.2%
BL	(0-30)	146.0	7.9%
BM	(30-60)	563.4	30.3%
BH	(60-80)	143.6	7.7%
BVH	(80-90)	22.3	1.2%
UL	(90-100)	15.2	0.8%
UH	(100-180)	18.8	1.0%
Total		1858.1	100.0%
BUG Rating	B1 U2 G1		