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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-X82-LED-SD10

Order Number

11974659

Test Number

11974659.02A

Revised Date:

2017-10-05

Test Date

2017-10-03

Prepared By

Khang Nguyen, Technician

Approved By

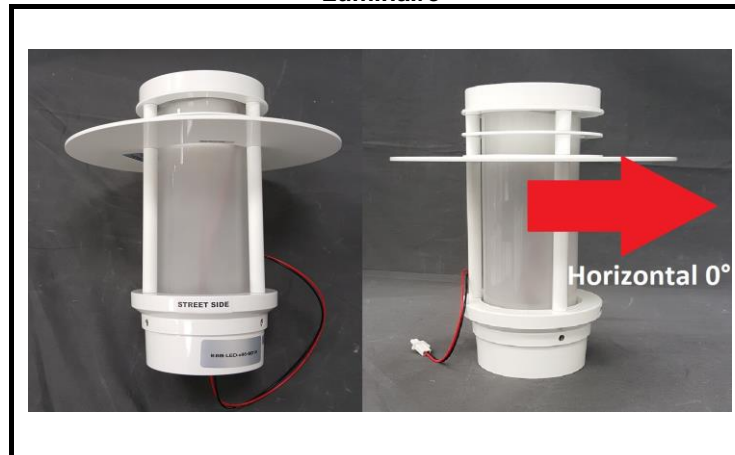
Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Decorative white metal housing, 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: 10.00 in.
Luminous Height: 7.00 in.

Summary of Results

Roadway Classification: Type IV, Very Short
Cutoff Classification: Noncutoff
BUG Rating: B1 U3 G1

Test Conditions

Test Temperature: 24.5 °C
Voltage: 120.0 VAC
Current: 0.1018 A
Power: 11.87 W
Power Factor: 0.971
Frequency: 60 Hz
Current THD: 10.1 %

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

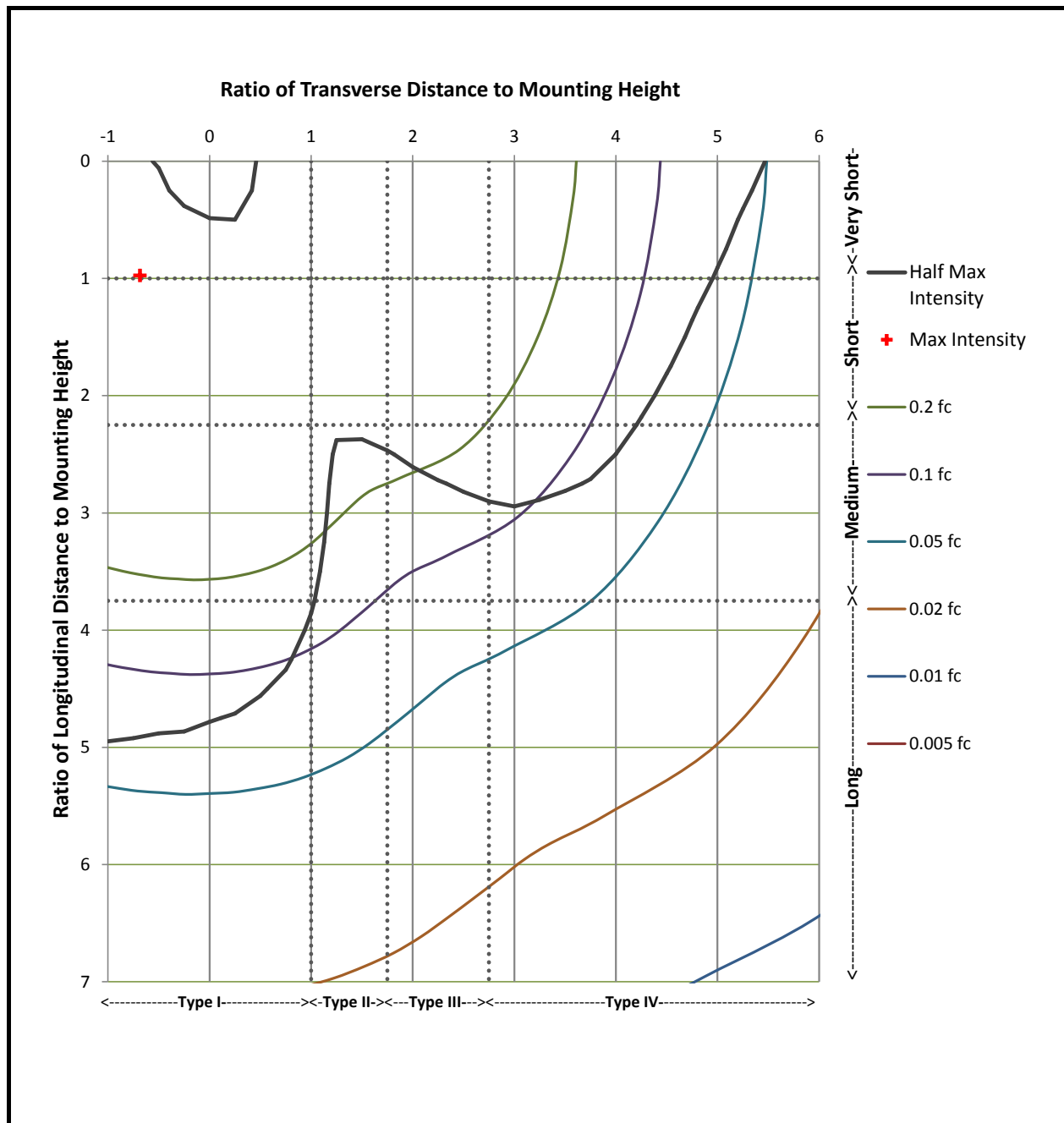
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.1018 A	11.87 W	0.971	60 Hz	10.1 %

Summary of Results

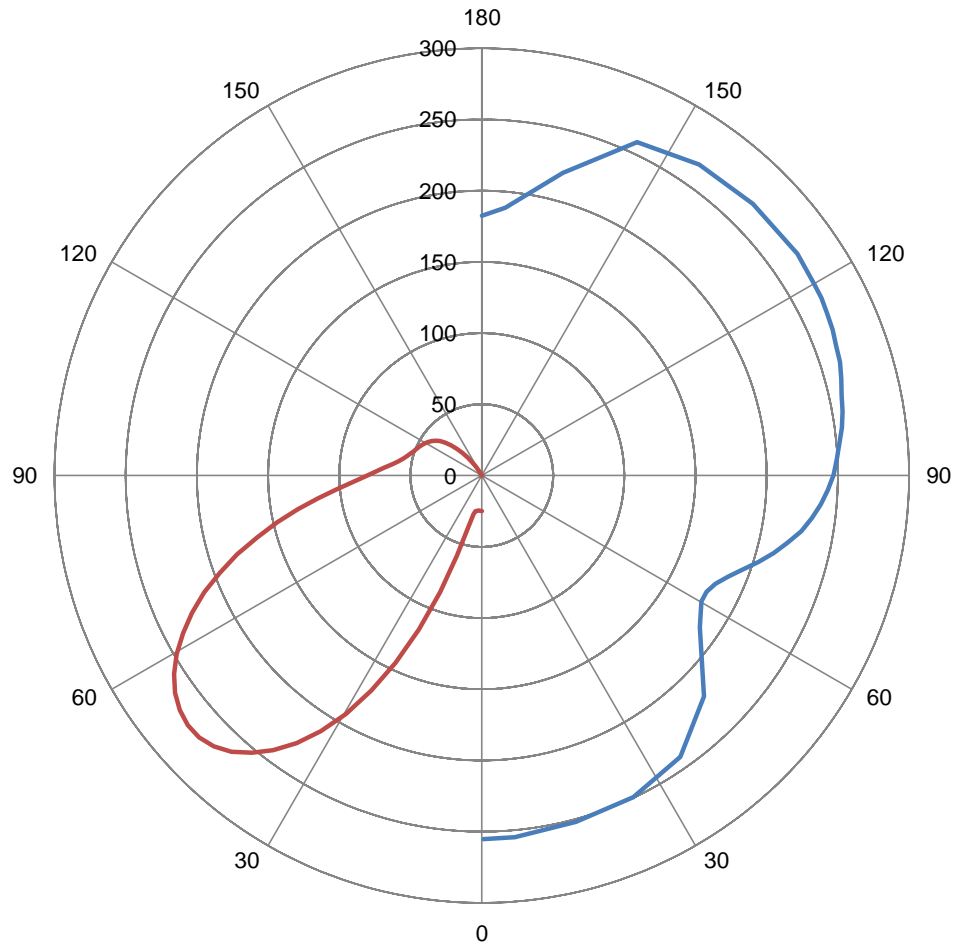
IES Roadway Classification:	Type IV, Very Short	Total Lumen Output:	1285 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	108.3 lm/w
BUG Rating:	B1 U3 G1	Maximum Candela:	271 Candela

ISO FootCandle Plot at 4 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

125 ° Lateral

Lateral Cone Through

50 ° Vertical

Maximum Intensity (Candlepower):

271 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.6	0.0%	60-65	102.4	8.0%	120-125	19.5	1.5%
5-10	1.8	0.1%	65-70	95.3	7.4%	125-130	16.7	1.3%
10-15	3.5	0.3%	70-75	84.4	6.6%	130-135	13.1	1.0%
15-20	9.4	0.7%	75-80	71.3	5.5%	135-140	8.9	0.7%
20-25	22.2	1.7%	80-85	57.9	4.5%	140-145	4.9	0.4%
25-30	38.2	3.0%	85-90	46.2	3.6%	145-150	2.0	0.2%
30-35	54.9	4.3%	90-95	38.4	3.0%	150-155	0.5	0.0%
35-40	70.8	5.5%	95-100	32.8	2.6%	155-160	0.1	0.0%
40-45	84.9	6.6%	100-105	29.0	2.3%	160-165	0.0	0.0%
45-50	95.9	7.5%	105-110	26.3	2.0%	165-170	0.0	0.0%
50-55	102.7	8.0%	110-115	24.0	1.9%	170-175	0.0	0.0%
55-60	105.0	8.2%	115-120	21.9	1.7%	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)	36.4	2.8%
FM	(30-60)	244.1	19.0%
FH	(60-80)	170.7	13.3%
FVH	(80-90)	51.7	4.0%
BL	(0-30)	39.2	3.0%
BM	(30-60)	270.2	21.0%
BH	(60-80)	182.7	14.2%
BVH	(80-90)	52.5	4.1%
UL	(90-100)	71.2	5.5%
UH	(100-180)	166.9	13.0%
Total		1285.5	100.0%
BUG Rating	B1 U3 G1		