



UL LLC
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Outdoor Distribution Test Report

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

Prepared For
B-K Lighting Inc

Chris McCarthy
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Madera, CA 93636-9515
United States

Catalog Number
APB-LED-X94

Order Number

11943054

Test Number

11943054.01

Test Date

2017-09-11

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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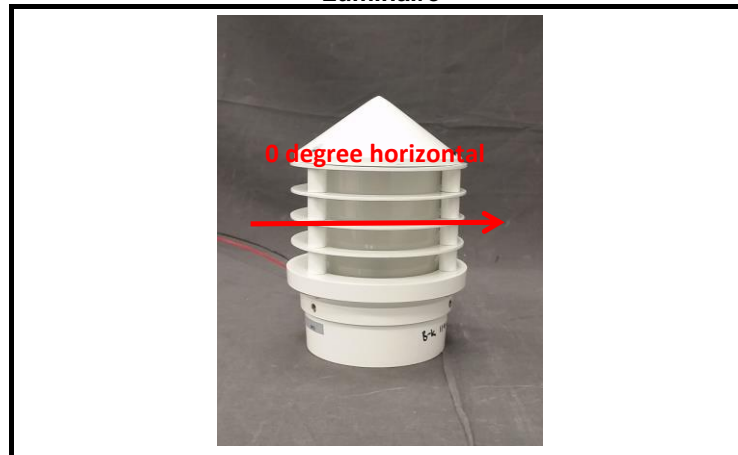
Luminaire Description: Decorative white metal housing, reflector, diffuse lens, and standing pole

Lamp: One (1) White LED

Mounting: Post

Ballast/Driver: One (1) eldoLED ECOdrive 561/S

Luminaire



Luminaire Characteristics

Luminous Diameter: 5.00 in.

Luminous Height: 3.000 in.

Summary of Results

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

Test Conditions

Test Temperature: 24.7 °C
Voltage: 120.1 VAC
Current: 0.1361 A
Power: 15.92 W
Power Factor: 0.975
Frequency: 60 Hz
Current THD: 12.7 %

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

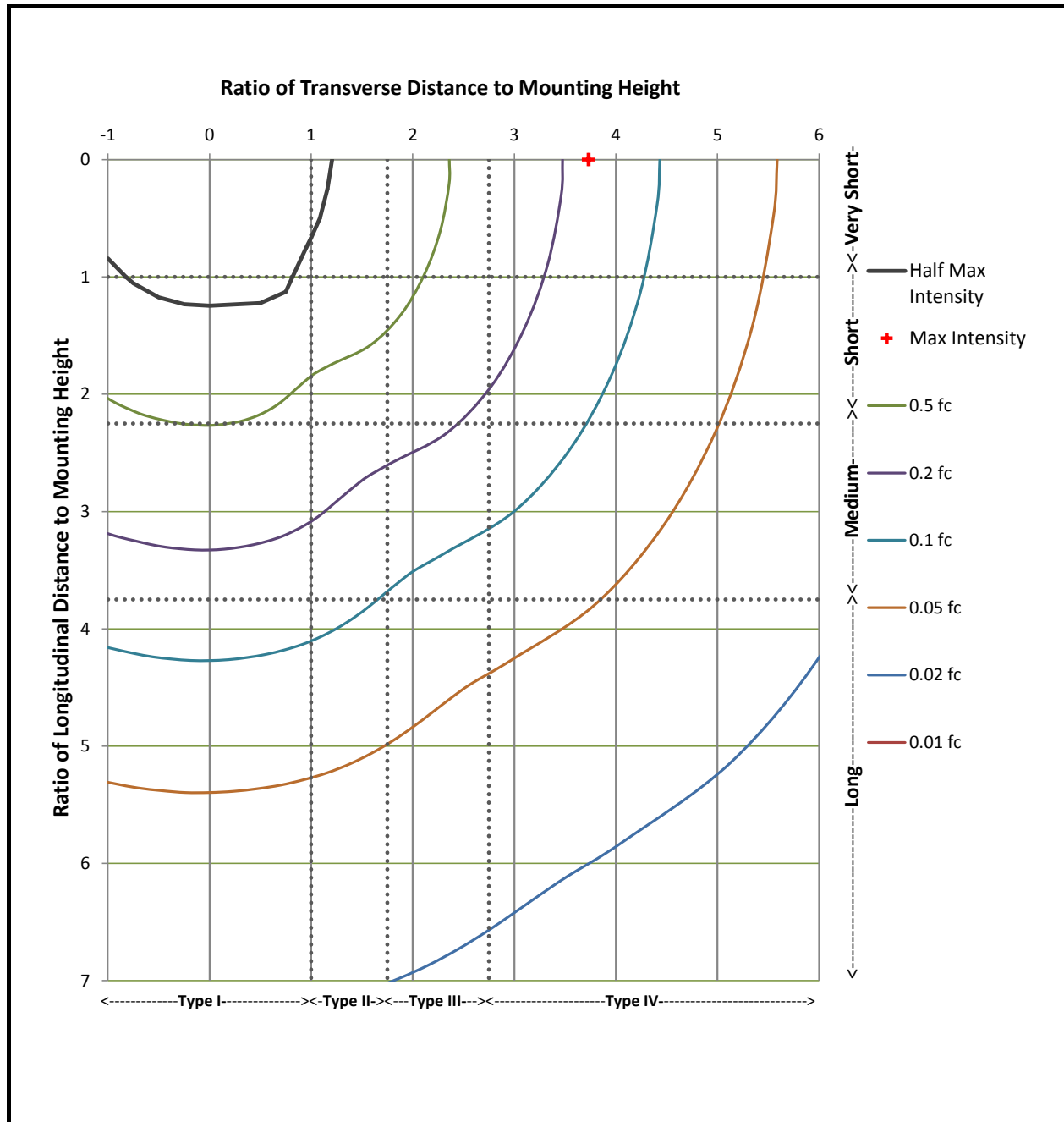
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.1 VAC	0.1361 A	15.92 W	0.975	60 Hz	12.7 %

Summary of Results

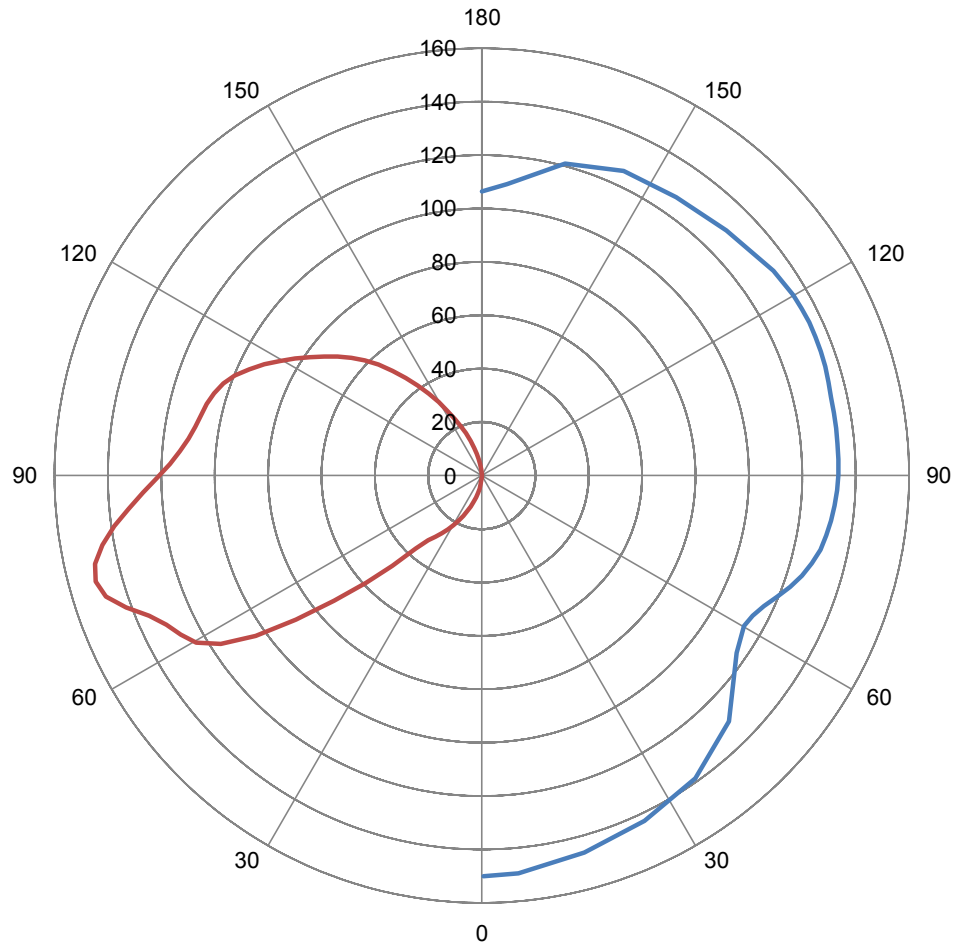
IES Roadway Classification:	Type II, Very Short	Total Lumen Output:	960 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	60.3 lm/w
BUG Rating:	B1 U3 G1	Maximum Candela:	150 Candela

ISO FootCandle Plot at 4 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

75 ° Vertical

Maximum Intensity (Candlepower):

150 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.0	0.0%	60-65	53.9	5.6%	120-125	35.5	3.7%
5-10	0.2	0.0%	65-70	60.8	6.3%	125-130	29.4	3.1%
10-15	0.7	0.1%	70-75	67.2	7.0%	130-135	23.6	2.5%
15-20	1.6	0.2%	75-80	68.7	7.2%	135-140	18.1	1.9%
20-25	2.9	0.3%	80-85	65.4	6.8%	140-145	12.8	1.3%
25-30	4.6	0.5%	85-90	60.6	6.3%	145-150	8.6	0.9%
30-35	6.7	0.7%	90-95	56.5	5.9%	150-155	5.5	0.6%
35-40	9.3	1.0%	95-100	54.3	5.7%	155-160	3.3	0.3%
40-45	13.1	1.4%	100-105	53.0	5.5%	160-165	1.7	0.2%
45-50	21.7	2.3%	105-110	50.8	5.3%	165-170	0.8	0.1%
50-55	34.1	3.5%	110-115	47.0	4.9%	170-175	0.2	0.0%
55-60	46.0	4.8%	115-120	41.7	4.3%	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)	5.3	0.6%
FM	(30-60)	68.9	7.2%
FH	(60-80)	128.4	13.4%
FVH	(80-90)	64.3	6.7%
BL	(0-30)	4.8	0.5%
BM	(30-60)	62.1	6.5%
BH	(60-80)	122.3	12.7%
BVH	(80-90)	61.8	6.4%
UL	(90-100)	110.8	11.5%
UH	(100-180)	331.9	34.6%
Total		960.4	100.0%
BUG Rating	B1 U3 G1		