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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
LBP-LED-48X-BW-36
Order Number
11996651
Test Number
11996651.11

Test Date

2017-10-18

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, clear plastic lens, and standing pole base
Lamp: One (1) white LED with optic
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/S

Luminaire



Luminaire Characteristics

Luminous Diameter: 34.50 in.
Luminous Height: 15.50 in.

Summary of Results

Roadway Classification: Type III, Very Short
Cutoff Classification: Cutoff
BUG Rating: B2 U3 G1

Test Conditions

Test Temperature: 25.0 °C
Voltage: 120.1 VAC
Current: 0.3407 A
Power: 40.47 W
Power Factor: 0.989
Frequency: 60 Hz
Current THD: 7.43 %

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

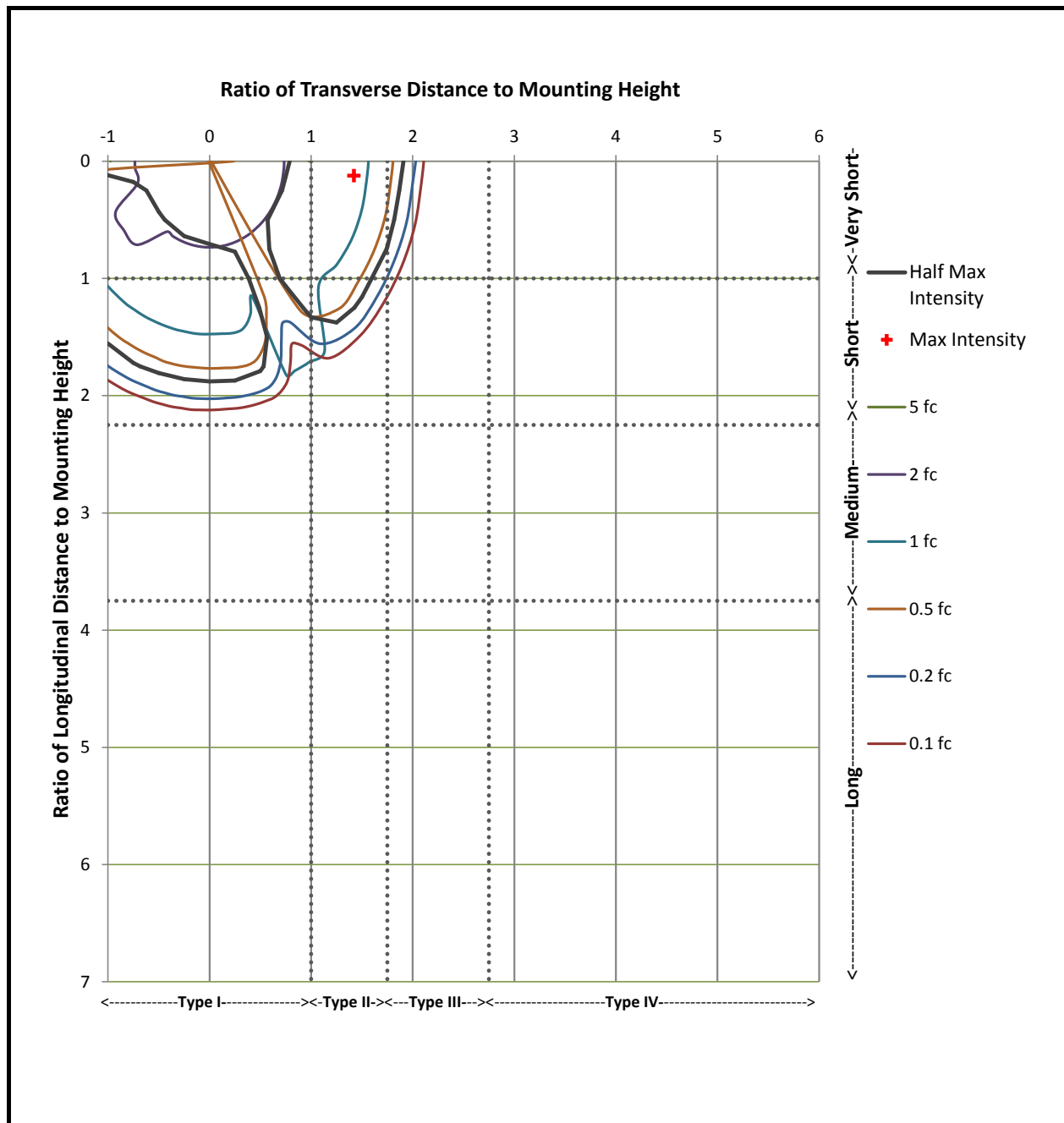
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.1 VAC	0.3407 A	40.47 W	0.989	60 Hz	7.43 %

Summary of Results

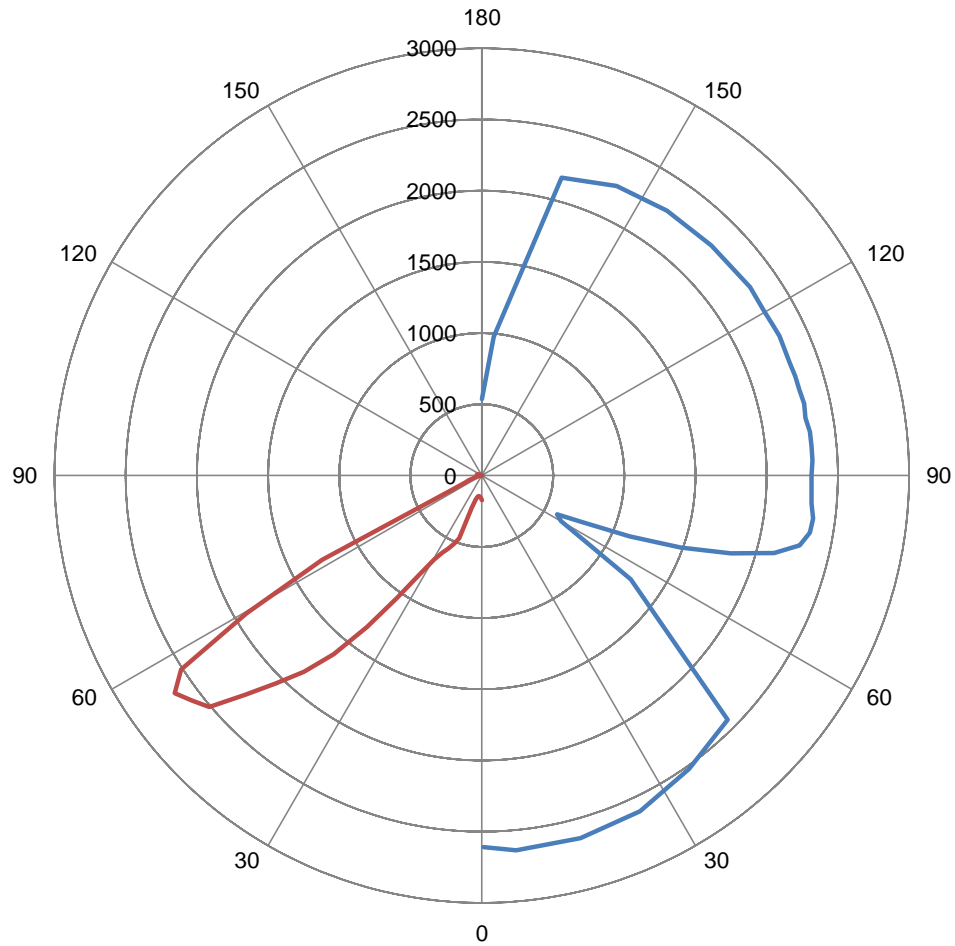
IES Roadway Classification:	Type III, Very Short	Total Lumen Output:	5151 Lumens
Cutoff Classification:	Cutoff	Luminaire Efficacy:	127.3 lm/w
BUG Rating:	B2 U3 G1	Maximum Candela:	2643 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

5 ° Lateral

Lateral Cone Through

55 ° Vertical

Maximum Intensity (Candlepower):

2643 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	3.9	0.1%	60-65	488.9	9.5%	120-125	3.9	0.1%
5-10	10.3	0.2%	65-70	89.1	1.7%	125-130	2.1	0.0%
10-15	17.8	0.3%	70-75	39.8	0.8%	130-135	1.6	0.0%
15-20	37.3	0.7%	75-80	21.2	0.4%	135-140	1.3	0.0%
20-25	94.1	1.8%	80-85	14.1	0.3%	140-145	1.0	0.0%
25-30	156.0	3.0%	85-90	11.3	0.2%	145-150	0.7	0.0%
30-35	277.4	5.4%	90-95	12.0	0.2%	150-155	0.4	0.0%
35-40	457.7	8.9%	95-100	16.2	0.3%	155-160	0.2	0.0%
40-45	657.1	12.8%	100-105	15.5	0.3%	160-165	0.1	0.0%
45-50	855.8	16.6%	105-110	13.4	0.3%	165-170	0.0	0.0%
50-55	958.9	18.6%	110-115	10.5	0.2%	170-175	0.0	0.0%
55-60	874.0	17.0%	115-120	6.8	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)	151.3	2.9%
FM	(30-60)	1930.2	37.5%
FH	(60-80)	311.3	6.0%
FVH	(80-90)	12.4	0.2%
BL	(0-30)	168.3	3.3%
BM	(30-60)	2150.7	41.8%
BH	(60-80)	327.6	6.4%
BVH	(80-90)	12.9	0.3%
UL	(90-100)	28.2	0.5%
UH	(100-180)	57.6	1.1%
Total		5150.6	100.0%
BUG Rating	B2 U3 G1		