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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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Madera, CA 93636-9515
United States

Catalog Number
PRP-LED-e59-WHP-12

Order Number
11894916
Test Number
11894916.04

Test Date

2017-08-03

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: White metal shade/reflector, diffuse plastic lens, and metal base
Lamp: One (1) white LED with optic attached
Mounting: VBD
Ballast/Driver: One (1) TRE20

Luminaire



Luminaire Characteristics

Luminous Diameter: 8.00 in.
Luminous Height: 1.000 in.

Summary of Results

Roadway Classification: Type V, Very Short
Cutoff Classification: Semicutoff
BUG Rating: B0 U1 G1

Test Conditions

Test Temperature: 24.6 °C
Voltage: 120.0 VAC
Current: 0.07113 A
Power: 7.955 W
Power Factor: 0.932
Frequency: 60 Hz
Current THD: 34.6 %

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

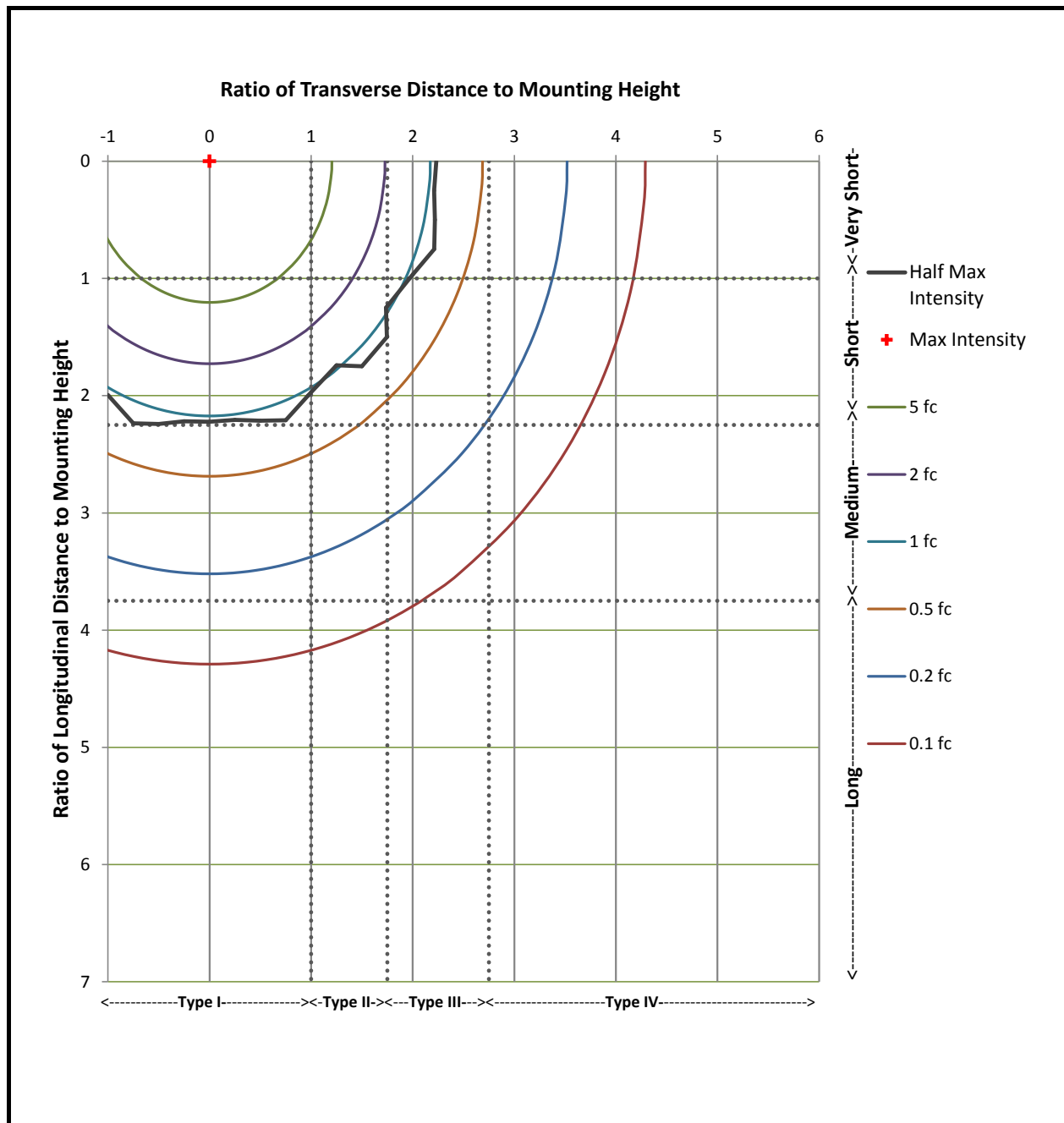
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.0 VAC	0.07113 A	7.955 W	0.932	60 Hz	34.6 %

Summary of Results

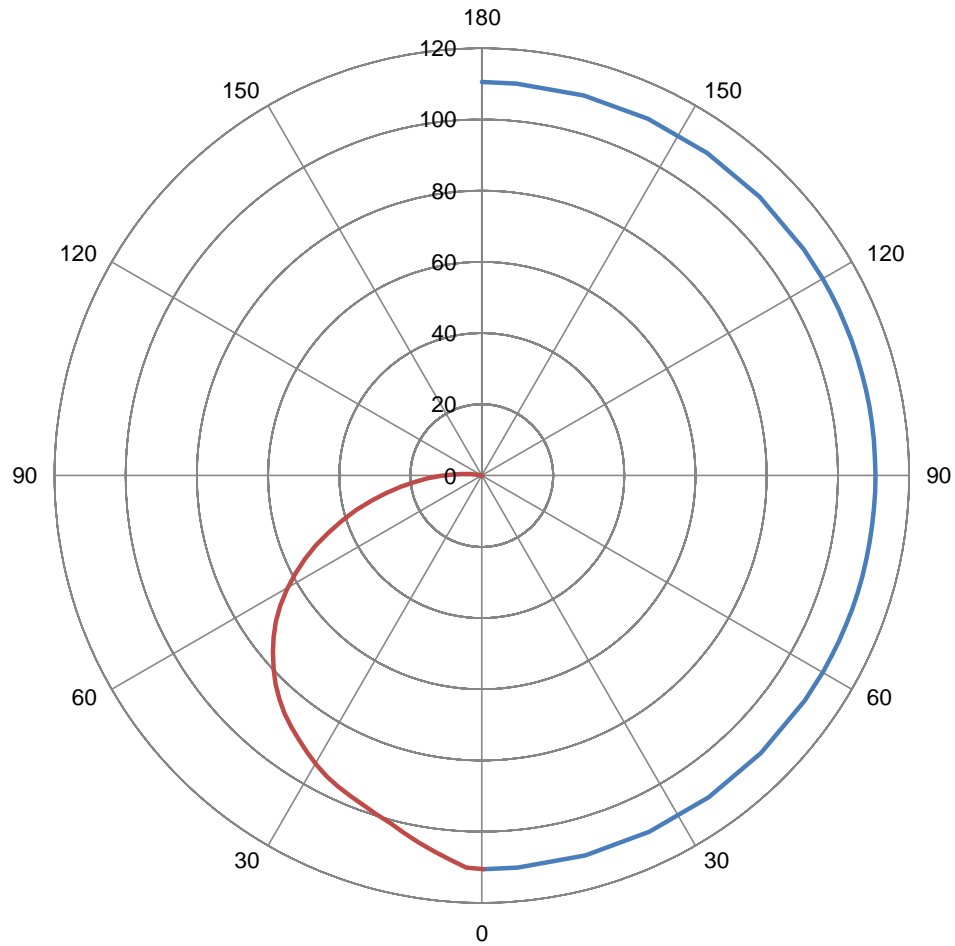
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	387 Lumens
Cutoff Classification:	Semicutoff	Luminaire Efficacy:	48.7 lm/w
BUG Rating:	B0 U1 G1	Maximum Candela:	111 Candela

ISO FootCandle Plot at 2 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

0 ° Vertical

Maximum Intensity (Candlepower):

111 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	2.8	0.7%	60-65	28.8	7.4%	120-125	0.0	0.0%
5-10	7.6	2.0%	65-70	25.5	6.6%	125-130	0.0	0.0%
10-15	12.2	3.1%	70-75	21.5	5.6%	130-135	0.0	0.0%
15-20	16.4	4.2%	75-80	17.1	4.4%	135-140	0.0	0.0%
20-25	20.4	5.3%	80-85	12.5	3.2%	140-145	0.0	0.0%
25-30	24.0	6.2%	85-90	8.3	2.1%	145-150	0.0	0.0%
30-35	27.0	7.0%	90-95	4.6	1.2%	150-155	0.0	0.0%
35-40	29.5	7.6%	95-100	1.9	0.5%	155-160	0.0	0.0%
40-45	31.3	8.1%	100-105	0.4	0.1%	160-165	0.0	0.0%
45-50	32.2	8.3%	105-110	0.0	0.0%	165-170	0.0	0.0%
50-55	32.1	8.3%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	31.1	8.0%	115-120	0.0	0.0%	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)	41.7	10.8%
FM	(30-60)	91.6	23.7%
FH	(60-80)	46.5	12.0%
FVH	(80-90)	10.4	2.7%
BL	(0-30)	41.7	10.8%
BM	(30-60)	91.6	23.7%
BH	(60-80)	46.5	12.0%
BVH	(80-90)	10.4	2.7%
UL	(90-100)	6.5	1.7%
UH	(100-180)	0.4	0.1%
Total		387.3	100.0%
BUG Rating	B0 U1 G1		