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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

Represented Catalog Numbers:

MBP-LED-e95-SD5, WMB-LED-e95-SD5

Tested Catalog Number
MBP-LED-e95-SD5

Order Number

11609588

Test Number

11609588.12A

Revised:

2017-06-05

Test Date

2017-04-10

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 with reflector and diffuse lens.
Lamp: Three (3) white LEDs
Mounting: Ground recessed
Ballast/Driver: Unmarked power supply

Luminaire



Luminaire Characteristics

Luminous Diameter: 8.00 in.
Luminous Height: 3.750 in.

Summary of Results

Roadway Classification: Type V, Very Short
Cutoff Classification: Noncutoff
BUG Rating: B0 U3 G1

Test Conditions

Test Temperature: 25.4 °C
Voltage: 120.1 VAC
Current: 0.09548 A
Power: 6.873 W
Power Factor: 0.600
Frequency: 60 Hz
Current THD: 133 %

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

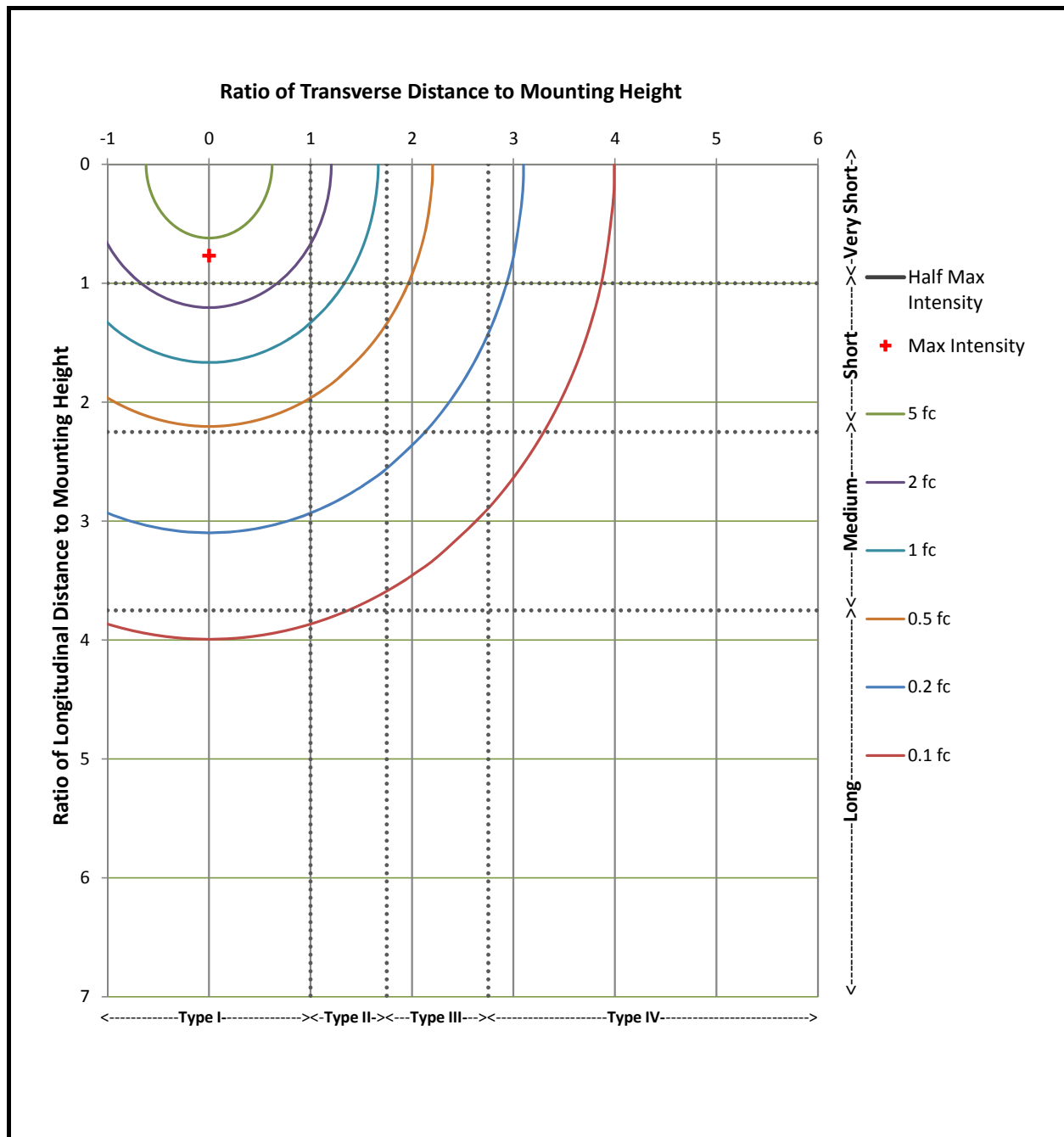
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.1 VAC	0.09548 A	6.873 W	0.600	60 Hz	133 %

Summary of Results

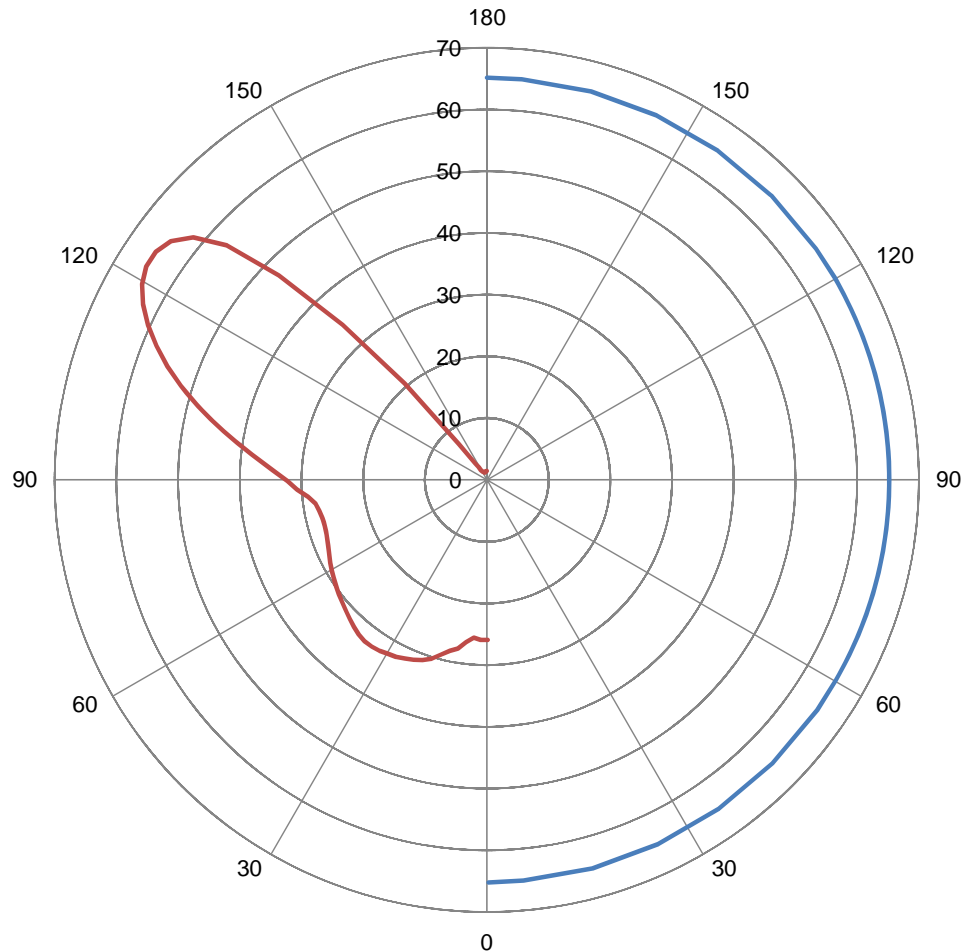
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	436 Lumens
Cutoff Classification	Noncutoff	Luminaire Efficacy:	63.4 lm/w
BUG Rating:	B0 U3 G1	Maximum Candela:	65 Candela

ISO FootCandle Plot at 2 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

125 ° Vertical

Maximum Intensity (Candlepower):

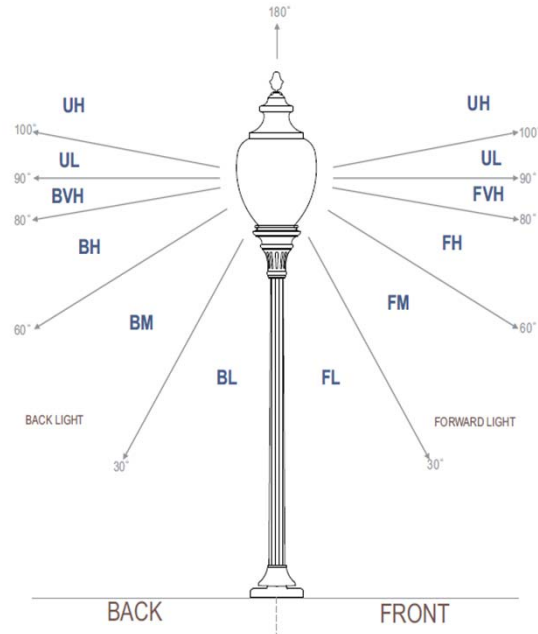
65 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.7	0.2%	60-65	13.9	3.2%	120-125	30.0	6.9%
5-10	1.9	0.4%	65-70	14.1	3.2%	125-130	27.8	6.4%
10-15	3.4	0.8%	70-75	14.3	3.3%	130-135	22.5	5.2%
15-20	5.0	1.1%	75-80	14.7	3.4%	135-140	12.7	2.9%
20-25	6.6	1.5%	80-85	15.3	3.5%	140-145	3.3	0.8%
25-30	8.1	1.9%	85-90	16.8	3.9%	145-150	0.8	0.2%
30-35	9.6	2.2%	90-95	18.8	4.3%	150-155	0.4	0.1%
35-40	10.9	2.5%	95-100	21.4	4.9%	155-160	0.3	0.1%
40-45	11.9	2.7%	100-105	24.3	5.6%	160-165	0.2	0.0%
45-50	12.6	2.9%	105-110	27.1	6.2%	165-170	0.2	0.0%
50-55	13.2	3.0%	110-115	29.2	6.7%	170-175	0.1	0.0%
55-60	13.6	3.1%	115-120	30.3	7.0%	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)	12.8	2.9%
FM	(30-60)	35.9	8.2%
FH	(60-80)	28.5	6.5%
FVH	(80-90)	16.1	3.7%
BL	(0-30)	12.8	2.9%
BM	(30-60)	35.9	8.2%
BH	(60-80)	28.5	6.5%
BVH	(80-90)	16.1	3.7%
UL	(90-100)	40.2	9.2%
UH	(100-180)	209.2	48.0%
Total		436.1	100.0%
BUG Rating	B0 U3 G1		