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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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40429 Brickyard Dr  
Madera, CA 93636-9515  
United States

**Represented Catalog Numbers:**

**MBP-LED-e95-SD8, WMB-LED-e95-SD8**

**Tested Catalog Number**  
**MBP-LED-e95-SD8**

Order Number

11609588

Test Number

11609588.23

Revised:

2017-06-05

Test Date

2017-04-11 - 2017-04-13

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 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: 3.000 in.

**Summary of Results**

Roadway Classification: Type V, Very Short  
Cutoff Classification: Semicutoff  
BUG Rating: B0 U2 G0

**Test Conditions**

Test Temperature: 24.7 °C  
Voltage: 120.1 VAC  
Current: 0.09476 A  
Power: 6.832 W  
Power Factor: 0.601  
Frequency: 60 Hz  
Current THD: 132 %

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

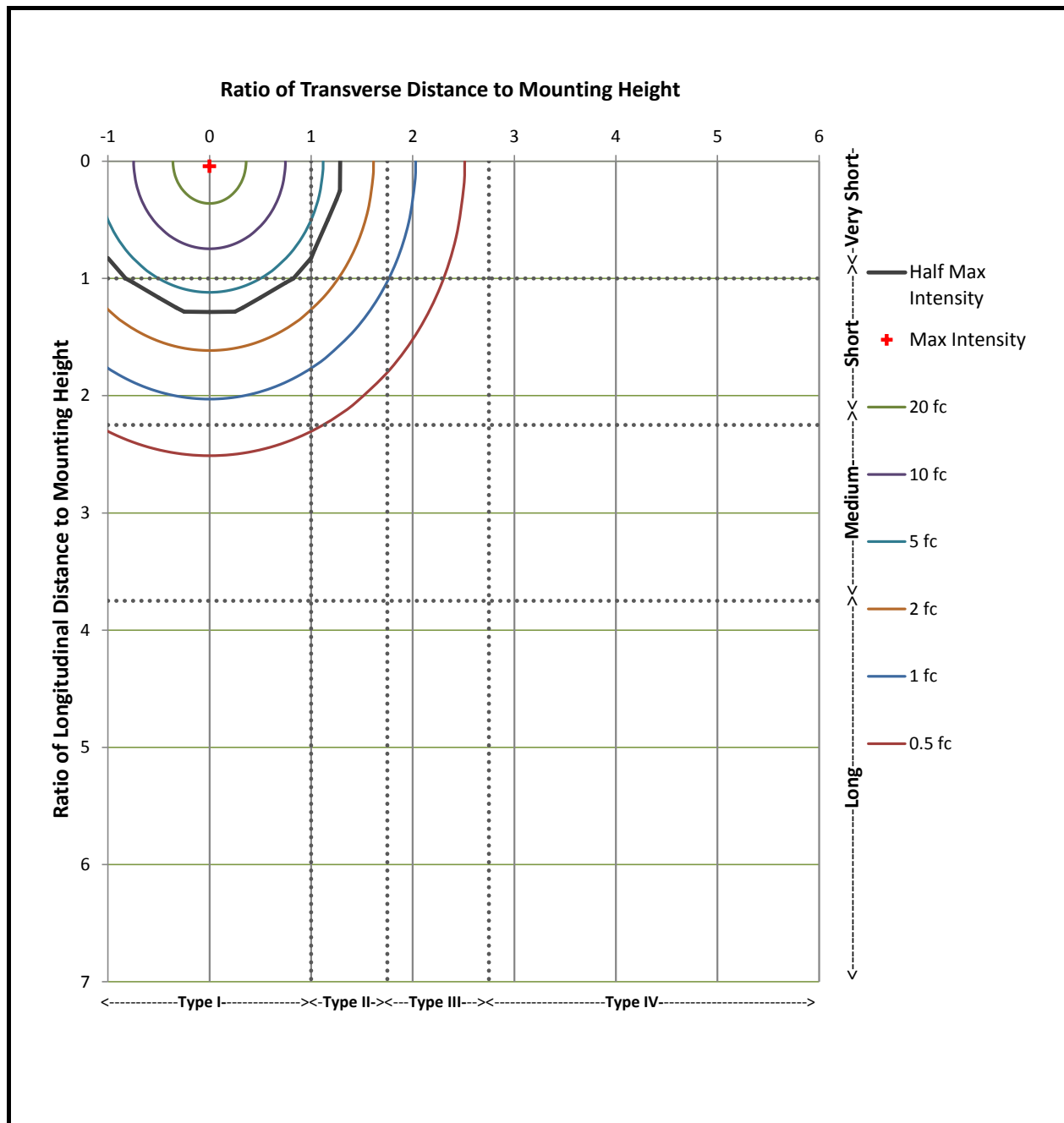
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.1 VAC	0.09476 A	6.832 W	0.601	60 Hz	132 %

### Summary of Results

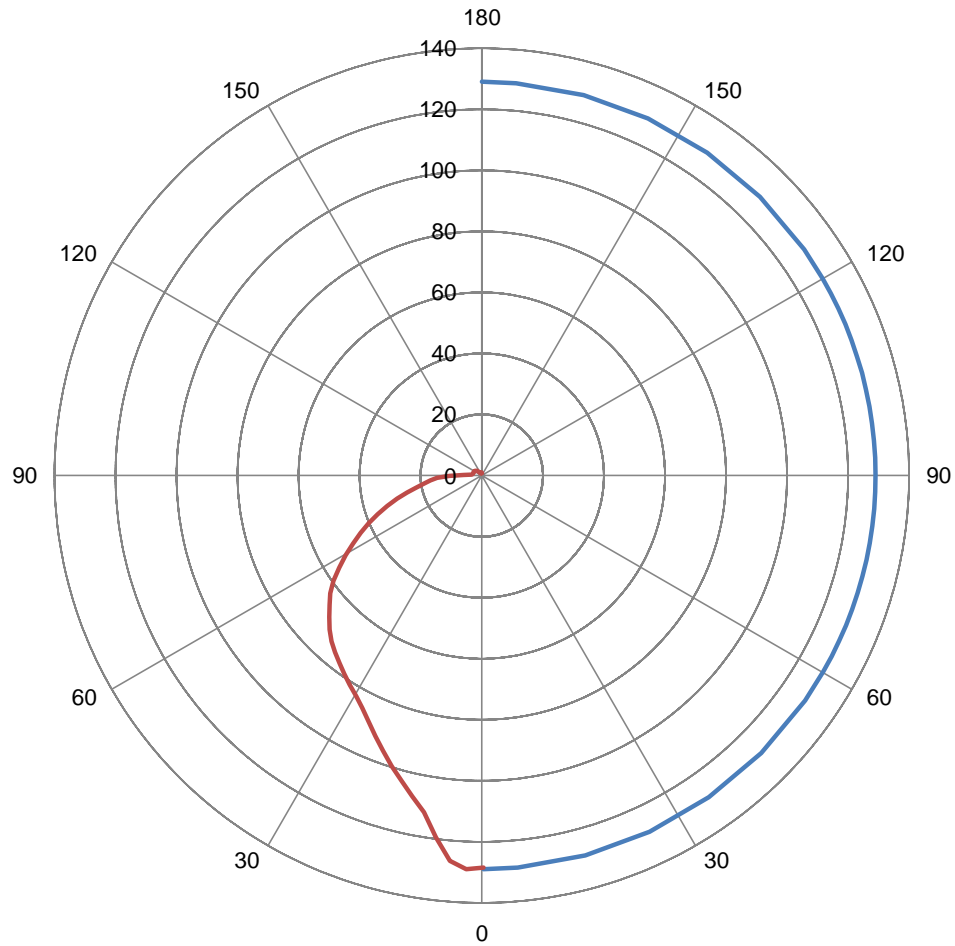
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	348 Lumens
Cutoff Classification:	Semicutoff	Luminaire Efficacy:	50.9 lm/w
BUG Rating:	B0 U2 G0	Maximum Candela:	129 Candela

### ISO FootCandle Plot at 2 Feet





### Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

2.5 ° Vertical

Maximum Intensity (Candlepower):

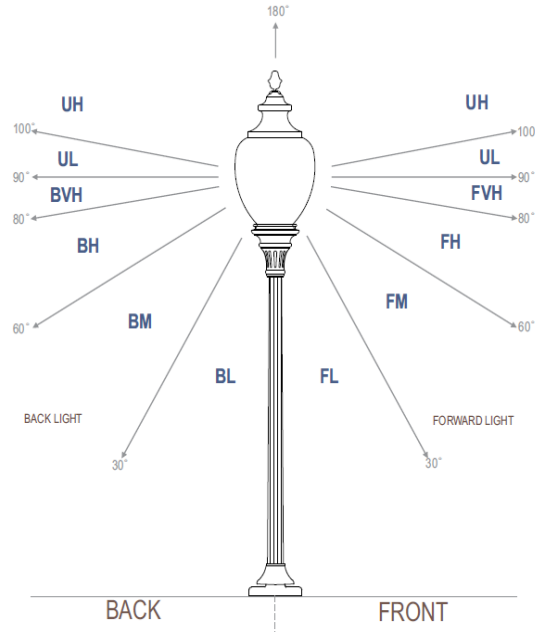
129 Candela

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	3.2	0.9%	60-65	23.2	6.7%	120-125	1.3	0.4%
5-10	8.5	2.4%	65-70	20.3	5.8%	125-130	1.1	0.3%
10-15	12.7	3.7%	70-75	17.0	4.9%	130-135	1.0	0.3%
15-20	16.4	4.7%	75-80	13.5	3.9%	135-140	0.7	0.2%
20-25	19.3	5.5%	80-85	10.5	3.0%	140-145	0.5	0.1%
25-30	21.7	6.2%	85-90	7.8	2.2%	145-150	0.3	0.1%
30-35	23.9	6.9%	90-95	3.5	1.0%	150-155	0.2	0.1%
35-40	25.7	7.4%	95-100	1.7	0.5%	155-160	0.2	0.1%
40-45	27.1	7.8%	100-105	1.6	0.5%	160-165	0.1	0.0%
45-50	27.5	7.9%	105-110	1.5	0.4%	165-170	0.1	0.0%
50-55	27.2	7.8%	110-115	1.5	0.4%	170-175	0.1	0.0%
55-60	25.7	7.4%	115-120	1.4	0.4%	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)	40.9	11.7%
FM	(30-60)	78.6	22.6%
FH	(60-80)	37.0	10.6%
FVH	(80-90)	9.1	2.6%
BL	(0-30)	40.9	11.7%
BM	(30-60)	78.6	22.6%
BH	(60-80)	37.0	10.6%
BVH	(80-90)	9.1	2.6%
UL	(90-100)	5.2	1.5%
UH	(100-180)	11.6	3.3%
Total		348.0	100.0%
<b>BUG Rating</b>	<b>B0 U2 G0</b>		