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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**  
**MBS-LED-e72-NO-SHADE**

Order Number

11609588

Test Number

11609588.17

Revised:

2017-06-05

Test Date

2017-04-05

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 grate and diffuse lens.  
**Lamp:** One (1) white LED  
**Mounting:** Pendant  
**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 U2 G0

#### Test Conditions

Test Temperature: 25.2 °C  
Voltage: 120.1 VAC  
Current: 0.05351 A  
Power: 3.612 W  
Power Factor: 0.562  
Frequency: 60 Hz  
Current THD: 147 %

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

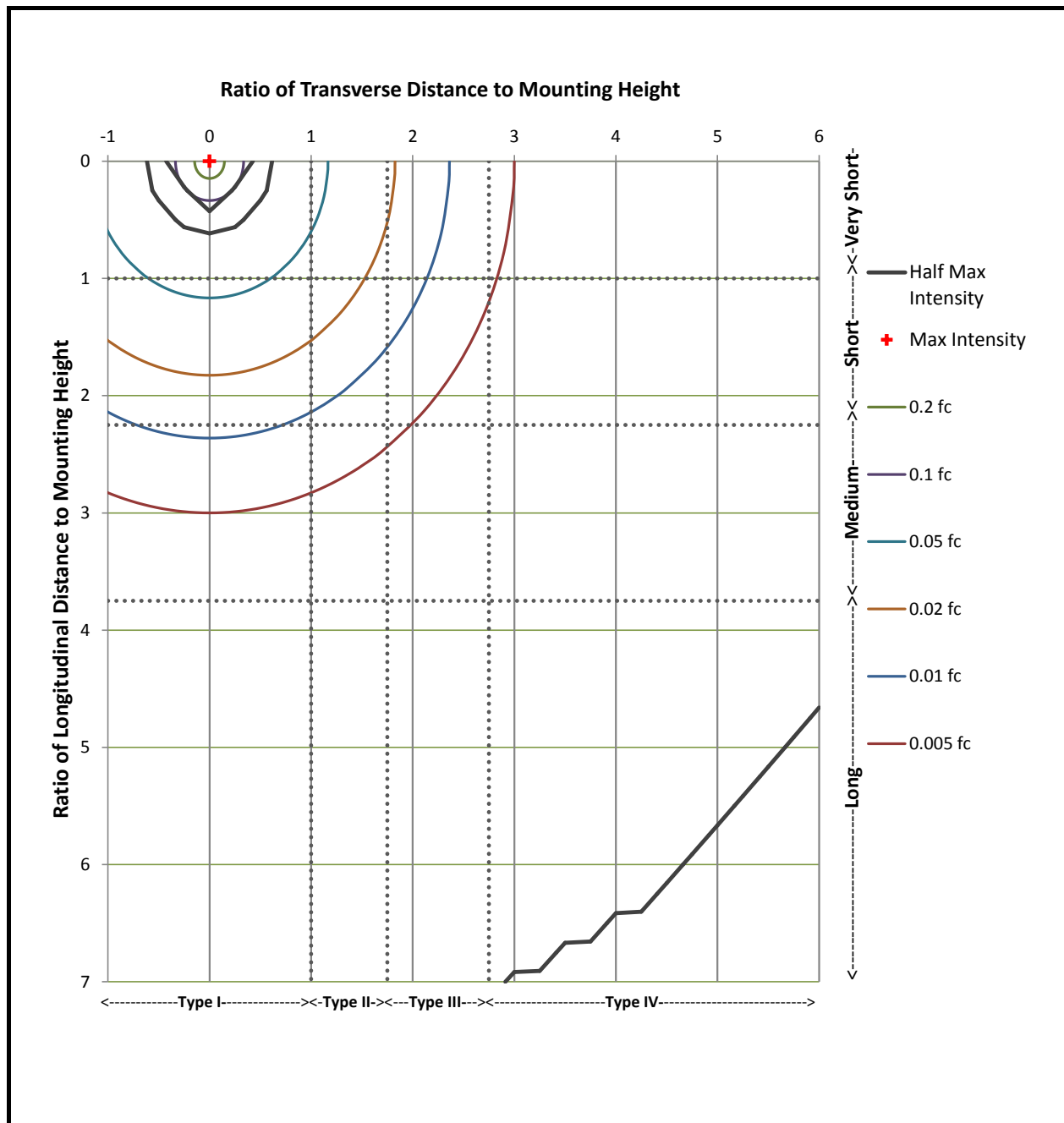
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.2 °C	120.1 VAC	0.05351 A	3.612 W	0.562	60 Hz	147 %

### Summary of Results

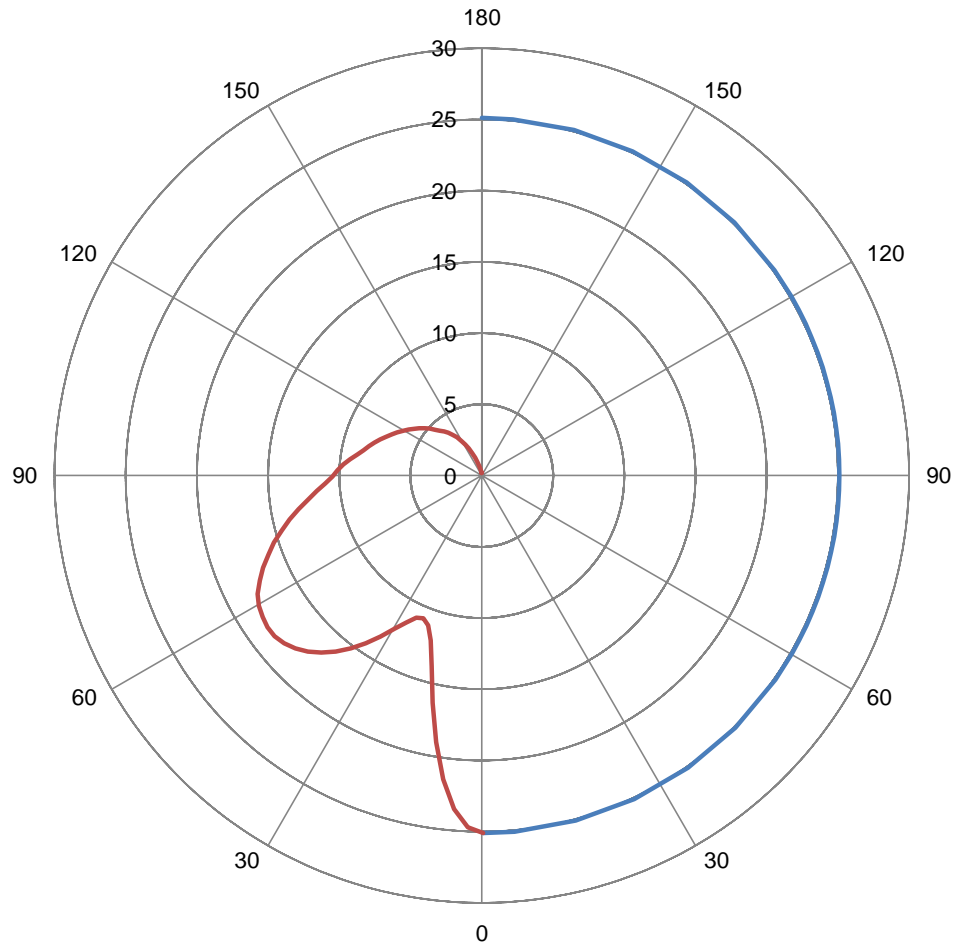
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	134 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	37.0 lm/w
BUG Rating:	B0 U2 G0	Maximum Candela:	25 Candela

### ISO FootCandle Plot at 10 Feet





### Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

0 ° Vertical

Maximum Intensity (Candlepower):

25 Candela

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.6	0.5%	60-65	8.6	6.4%	120-125	2.8	2.1%
5-10	1.5	1.1%	65-70	8.4	6.3%	125-130	2.4	1.8%
10-15	1.9	1.4%	70-75	8.0	6.0%	130-135	2.0	1.5%
15-20	2.0	1.5%	75-80	7.4	5.5%	135-140	1.6	1.2%
20-25	2.3	1.7%	80-85	6.7	5.0%	140-145	1.3	1.0%
25-30	3.0	2.2%	85-90	6.0	4.5%	145-150	0.9	0.7%
30-35	3.9	2.9%	90-95	5.5	4.1%	150-155	0.6	0.5%
35-40	5.1	3.8%	95-100	5.1	3.8%	155-160	0.4	0.3%
40-45	6.2	4.6%	100-105	4.5	3.4%	160-165	0.2	0.1%
45-50	7.2	5.4%	105-110	4.1	3.1%	165-170	0.1	0.0%
50-55	8.0	6.0%	110-115	3.7	2.7%	170-175	0.0	0.0%
55-60	8.5	6.3%	115-120	3.2	2.4%	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)	5.6	4.2%
FM	(30-60)	19.4	14.5%
FH	(60-80)	16.2	12.1%
FVH	(80-90)	6.4	4.8%
BL	(0-30)	5.6	4.2%
BM	(30-60)	19.4	14.5%
BH	(60-80)	16.2	12.1%
BVH	(80-90)	6.4	4.8%
UL	(90-100)	10.6	7.9%
UH	(100-180)	27.8	20.8%
Total		133.8	100.0%
<b>BUG Rating</b>	<b>B0 U2 G0</b>		