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## Outdoor Distribution Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-2002

**Prepared For**  
**B-K Lighting Inc**  
Daniel Carrejo  
40429 Brickyard Dr.  
Madera, CA 93636-9515  
United States

**Catalog Number**  
**LT-12-E-LED-E72-2-4000K**

Order Number

12592344

Test Number

12592344.18A

Revised Date:

2019-03-21

Test Date

2019-01-30

Prepared By

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Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** White cylindrical metal housing with cylindrical mounting base; decorative dome reflector and plastic diffuse lens  
**Lamp:** One (1) White LED  
**Mounting:** VBD  
**Ballast/Driver:** One (1) PowerSelect PS20U15K

#### Luminaire



#### Luminaire Characteristics

Luminous Diameter: 2.75 in.  
Luminous Height: 0.250 in.

#### Summary of Results

Roadway Classification: Type I, Very Short  
Cutoff Classification: Semicutoff  
BUG Rating: B0 U1 G0

#### Test Conditions

Test Temperature: 25.6 °C  
Voltage: 120.0 VAC  
Current: 0.05511 A  
Power: 3.674 W  
Power Factor: 0.555  
Frequency: 60 Hz  
Current THD: 149 %

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

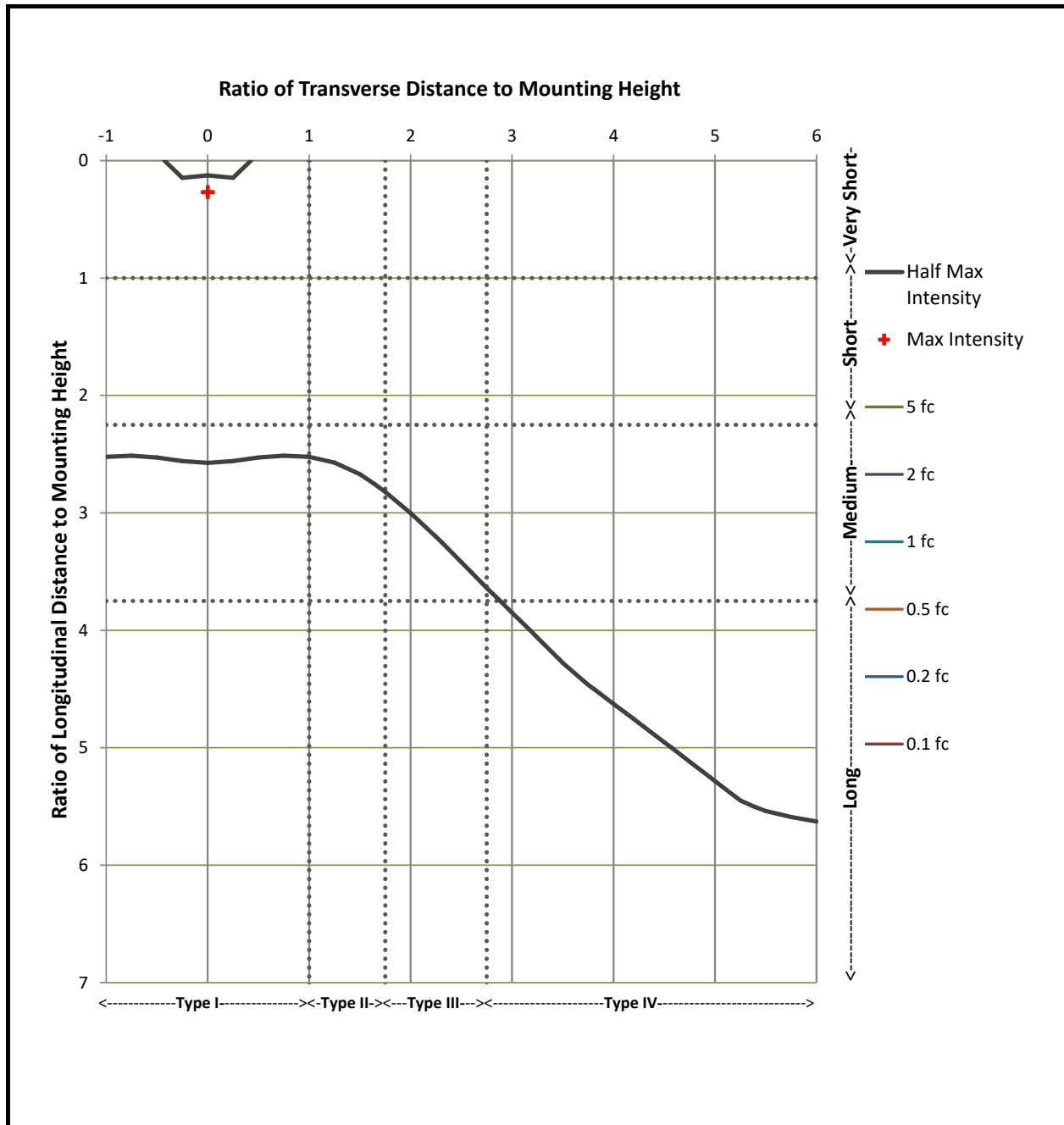
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.6 °C	120.0 VAC	0.05511 A	3.674 W	0.555	60 Hz	149 %

### Summary of Results

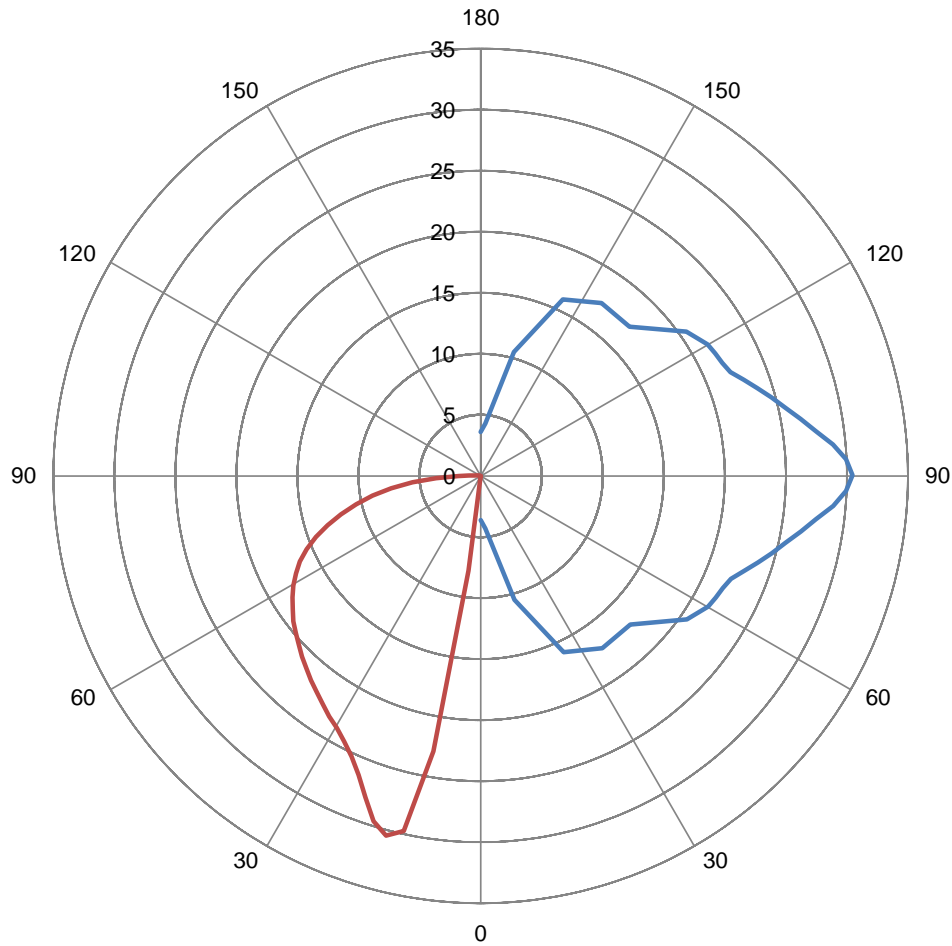
IES Roadway Classification:	Type I, Very Short	Total Lumen Output:	108 Lumens
Cutoff Classification	Semicutoff	Luminaire Efficacy:	29.5 lm/w
BUG Rating:	B0 U1 G0	Maximum Candela:	30 Candela

### ISO FootCandle Plot at 20 Feet





### Maximum Plane and Cone Plots of Candela



Vertical Plane Through

90 ° Lateral

Lateral Cone Through

15 ° Vertical

Maximum Intensity (Candlepower):

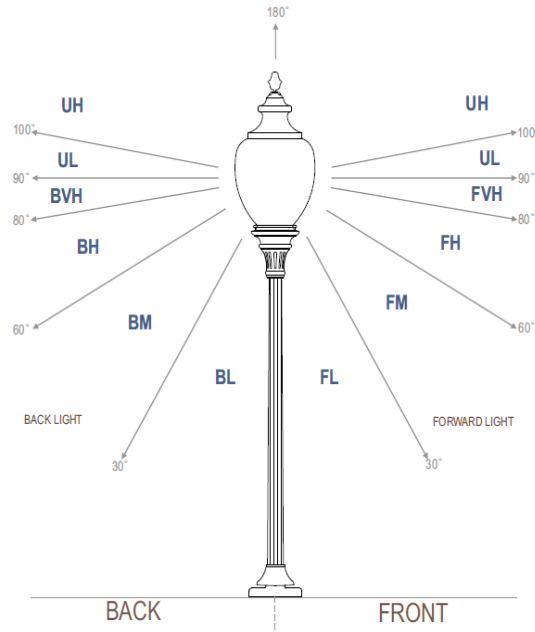
30 Candela

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.0	0.0%	60-65	9.0	8.3%	120-125	0.0	0.0%
5-10	0.5	0.5%	65-70	9.1	8.4%	125-130	0.0	0.0%
10-15	2.0	1.8%	70-75	9.0	8.3%	130-135	0.0	0.0%
15-20	3.5	3.3%	75-80	8.6	8.0%	135-140	0.0	0.0%
20-25	4.7	4.4%	80-85	7.1	6.5%	140-145	0.0	0.0%
25-30	5.6	5.2%	85-90	3.1	2.9%	145-150	0.0	0.0%
30-35	6.3	5.8%	90-95	0.7	0.7%	150-155	0.0	0.0%
35-40	6.8	6.3%	95-100	0.2	0.2%	155-160	0.0	0.0%
40-45	7.3	6.7%	100-105	0.1	0.1%	160-165	0.0	0.0%
45-50	7.7	7.1%	105-110	0.1	0.0%	165-170	0.0	0.0%
50-55	8.2	7.6%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	8.7	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)	8.2	7.5%
FM	(30-60)	22.5	20.8%
FH	(60-80)	17.9	16.5%
FVH	(80-90)	5.1	4.7%
BL	(0-30)	8.2	7.5%
BM	(30-60)	22.5	20.8%
BH	(60-80)	17.9	16.5%
BVH	(80-90)	5.1	4.7%
UL	(90-100)	0.9	0.9%
UH	(100-180)	0.2	0.2%
Total		108.4	100.0%
<b>BUG Rating</b>	<b>B0 U1 G0</b>		