



UL LLC
1075 W Lambert Rd Suite B
Brea, CA 92821

Outdoor Distribution Test Report

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

Prepared For
B-K Lighting Inc

Chris McCarthy
40429 Brickyard Dr
Madera, CA 93636-9515
United States

Catalog Number
MBS-LED-e72-SD5

Order Number

11609588

Test Number

11609588.16

Revised:

2017-06-05

Test Date

2017-04-07

Prepared By

Tony Rubio, Technician

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, grate and diffuse lens.
Lamp: One (1) white LED
Mounting: Pendant
Ballast/Driver: Unmarked power supply

Luminaire



Luminaire Characteristics

Luminous Diameter: 5.00 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: 25.4 °C
Voltage: 120.1 VAC
Current: 0.05214 A
Power: 3.494 W
Power Factor: 0.558
Frequency: 60 Hz
Current THD: 148 %

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

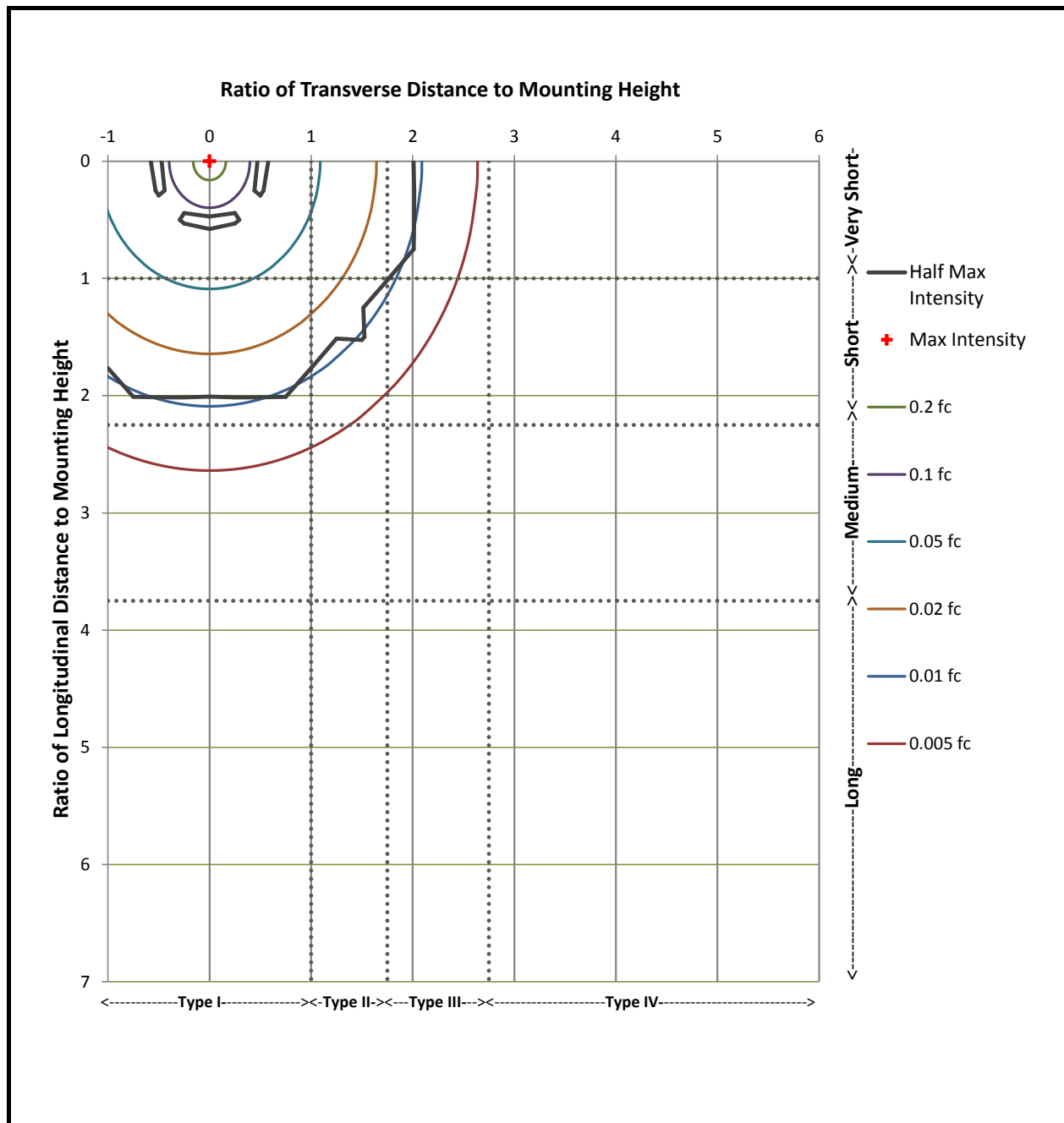
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.1 VAC	0.05214 A	3.494 W	0.558	60 Hz	148 %

Summary of Results

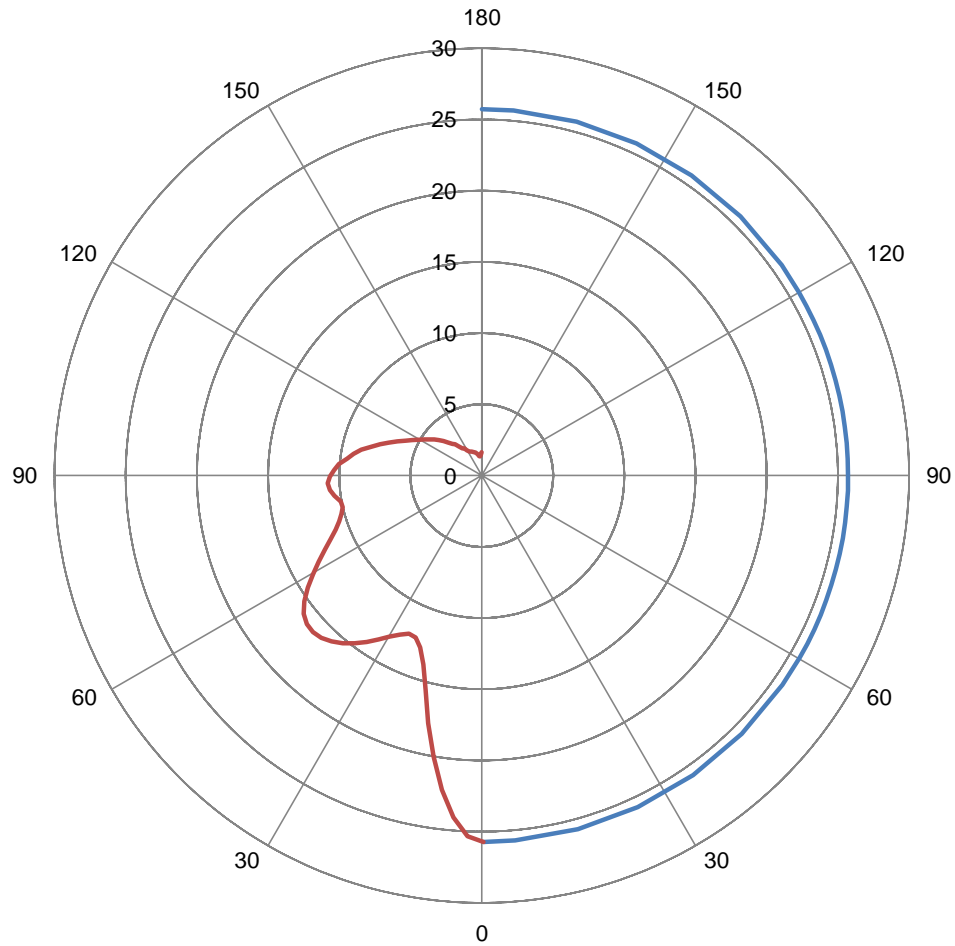
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	117 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	33.4 lm/w
BUG Rating:	B0 U2 G0	Maximum Candela:	26 Candela

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):

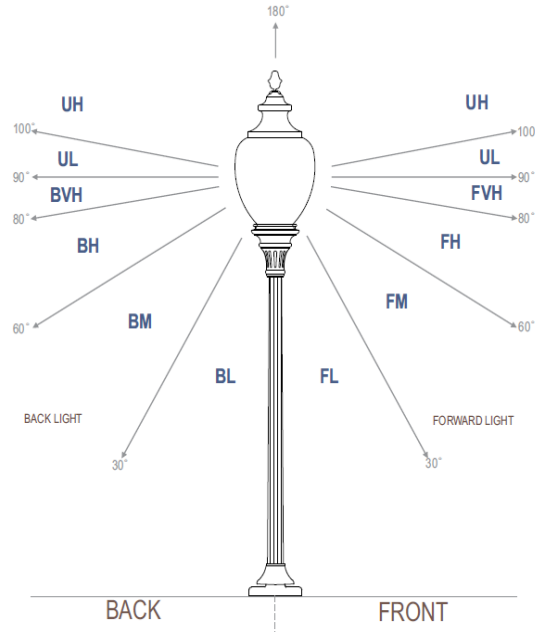
26 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.6	0.5%	60-65	6.3	5.4%	120-125	2.2	1.9%
5-10	1.6	1.3%	65-70	5.8	5.0%	125-130	1.8	1.6%
10-15	2.1	1.8%	70-75	5.5	4.7%	130-135	1.5	1.3%
15-20	2.3	2.0%	75-80	5.4	4.6%	135-140	1.1	1.0%
20-25	2.6	2.2%	80-85	5.7	4.8%	140-145	0.9	0.7%
25-30	3.2	2.7%	85-90	5.9	5.0%	145-150	0.7	0.6%
30-35	4.0	3.4%	90-95	5.7	4.9%	150-155	0.5	0.4%
35-40	4.9	4.2%	95-100	5.2	4.5%	155-160	0.4	0.3%
40-45	5.8	5.0%	100-105	4.6	4.0%	160-165	0.3	0.2%
45-50	6.5	5.6%	105-110	3.9	3.3%	165-170	0.2	0.2%
50-55	6.8	5.9%	110-115	3.2	2.8%	170-175	0.1	0.1%
55-60	6.7	5.7%	115-120	2.7	2.3%	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)	6.2	5.3%
FM	(30-60)	17.4	14.9%
FH	(60-80)	11.5	9.9%
FVH	(80-90)	5.8	4.9%
BL	(0-30)	6.2	5.3%
BM	(30-60)	17.4	14.9%
BH	(60-80)	11.5	9.9%
BVH	(80-90)	5.8	4.9%
UL	(90-100)	10.9	9.3%
UH	(100-180)	24.1	20.6%
Total		116.7	100.0%
BUG Rating	B0 U2 G0		