



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

Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014

Prepared For
B-K LIGHTING INC
40429 BRICKYARD DR.
MADERA, CA 93636-9515
UNITED STATES

Catalog Number
BWM-SD15-LED-L17-WHP-A-DT-CRW
Order Number
13092438
Test Number
13092438.01

Test Date

2019-11-18

Prepared By

Khang Nguyen, Technician

Approved By

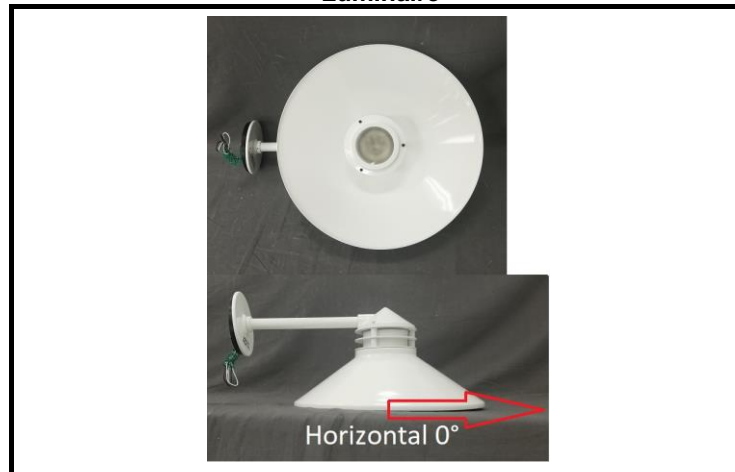
Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: White metal formed housing with diffuse plastic lens and white reflector
Lamp: 44 White LEDs
Mounting: Surface – Wall

Luminaire



Luminaire Characteristics

Luminous Diameter: 15.00 in.

Summary of Results

Roadway Classification:	Type V, Very Short
Cutoff Classification:	Full Cutoff
BUG Rating:	B1 U0 G0

Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.0 VAC
Current:	0.1655 A
Power:	19.45 W
Power Factor:	0.980
Frequency:	60 Hz
Current THD:	19.5 %

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

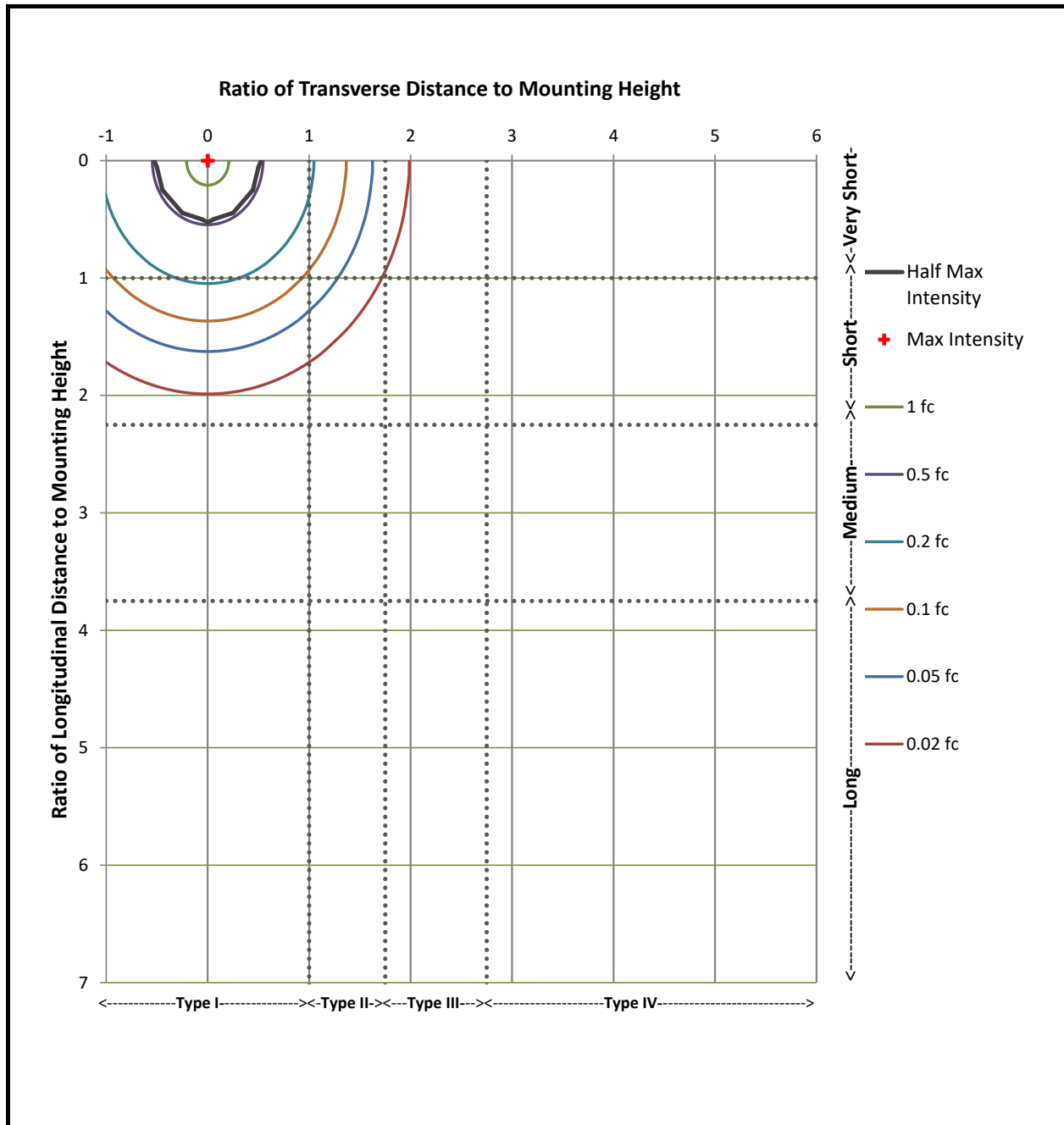
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.1655 A	19.45 W	0.980	60 Hz	19.5 %

Summary of Results

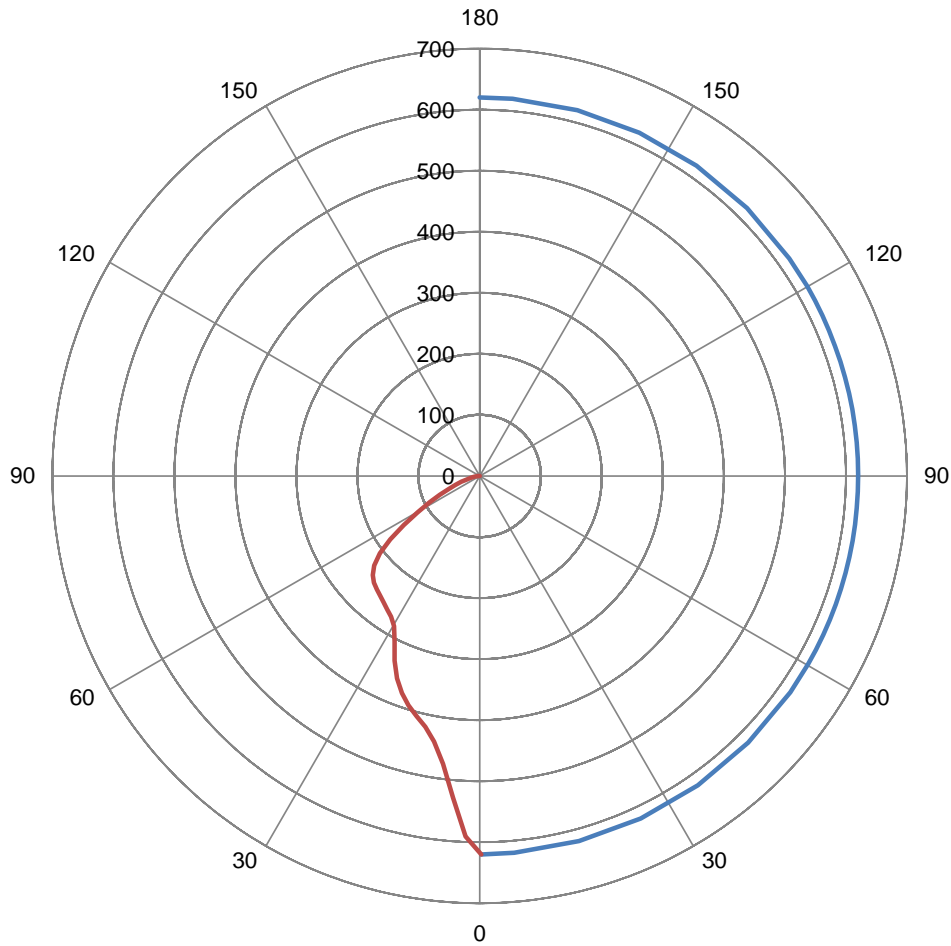
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	934 Lumens
Cutoff Classification	Full Cutoff	Luminaire Efficacy:	48.0 lm/w
BUG Rating:	B1 U0 G0	Maximum Candela:	620 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

0 ° Vertical

Maximum Intensity (Candlepower):

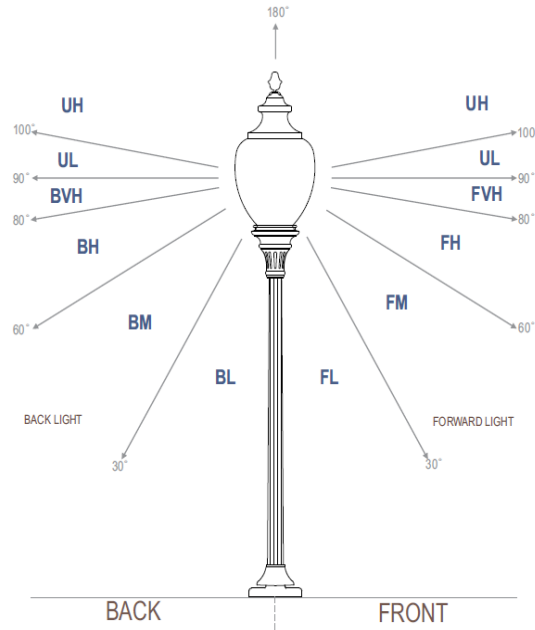
620 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	14.3	1.5%	60-65	45.6	4.9%	120-125	0.0	0.0%
5-10	33.8	3.6%	65-70	28.7	3.1%	125-130	0.0	0.0%
10-15	49.9	5.3%	70-75	16.7	1.8%	130-135	0.0	0.0%
15-20	64.6	6.9%	75-80	8.6	0.9%	135-140	0.0	0.0%
20-25	74.6	8.0%	80-85	4.5	0.5%	140-145	0.0	0.0%
25-30	77.4	8.3%	85-90	1.7	0.2%	145-150	0.0	0.0%
30-35	80.5	8.6%	90-95	0.0	0.0%	150-155	0.0	0.0%
35-40	86.8	9.3%	95-100	0.0	0.0%	155-160	0.0	0.0%
40-45	92.8	9.9%	100-105	0.0	0.0%	160-165	0.0	0.0%
45-50	95.9	10.3%	105-110	0.0	0.0%	165-170	0.0	0.0%
50-55	88.9	9.5%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	68.4	7.3%	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)	157.3	16.8%
FM	(30-60)	256.6	27.5%
FH	(60-80)	49.8	5.3%
FVH	(80-90)	3.1	0.3%
BL	(0-30)	157.3	16.8%
BM	(30-60)	256.6	27.5%
BH	(60-80)	49.8	5.3%
BVH	(80-90)	3.1	0.3%
UL	(90-100)	0.0	0.0%
UH	(100-180)	0.0	0.0%
Total		933.5	100.0%
BUG Rating	B1 U0 G0		