



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
LBP-LED-51X-BW-36
Order Number
11996651
Test Number
11996651.05

Test Date

2017-10-18

Prepared By

William Escobar, Technician

Approved By

Eric Gaudreau, Senior Engineering Associate

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: Decorative white metal housing with shade, reflector, clear plastic lens, and standing pole base
Lamp: One (1) white LED with optic
Mounting: Post
Ballast/Driver: One (1) Thomas Research Products PLED75W-054-C1400-D

Luminaire



Luminaire Characteristics

Luminous Diameter: 34.50 in.
Luminous Height: 15.50 in.

Summary of Results

Roadway Classification: Type III, Very Short
Cutoff Classification: Cutoff
BUG Rating: B3 U3 G1

Test Conditions

Test Temperature: 24.8 °C
Voltage: 120.1 VAC
Current: 0.4697 A
Power: 56.08 W
Power Factor: 0.994
Frequency: 60 Hz
Current THD: 6.33 %

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

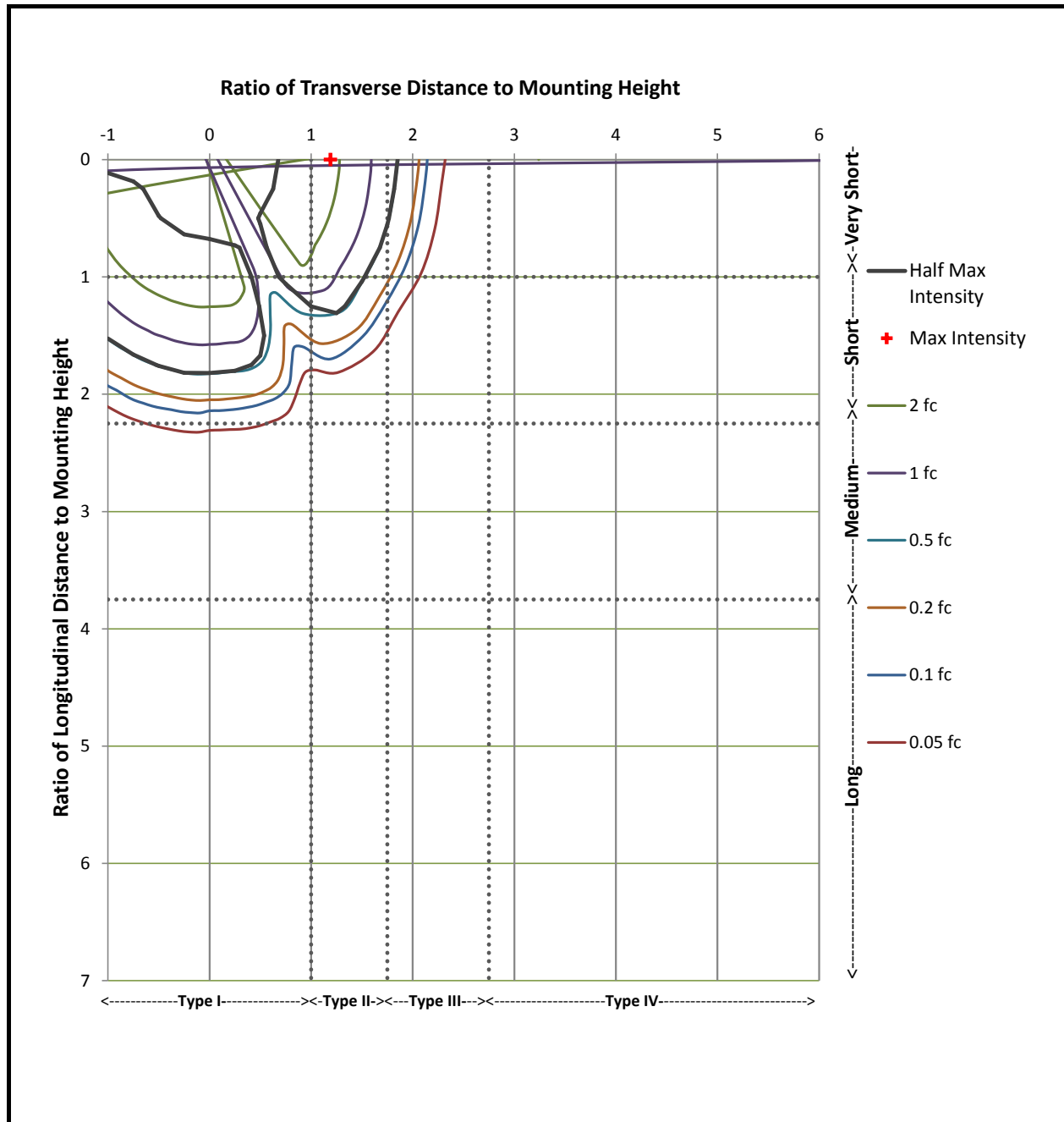
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.4697 A	56.08 W	0.994	60 Hz	6.33 %

Summary of Results

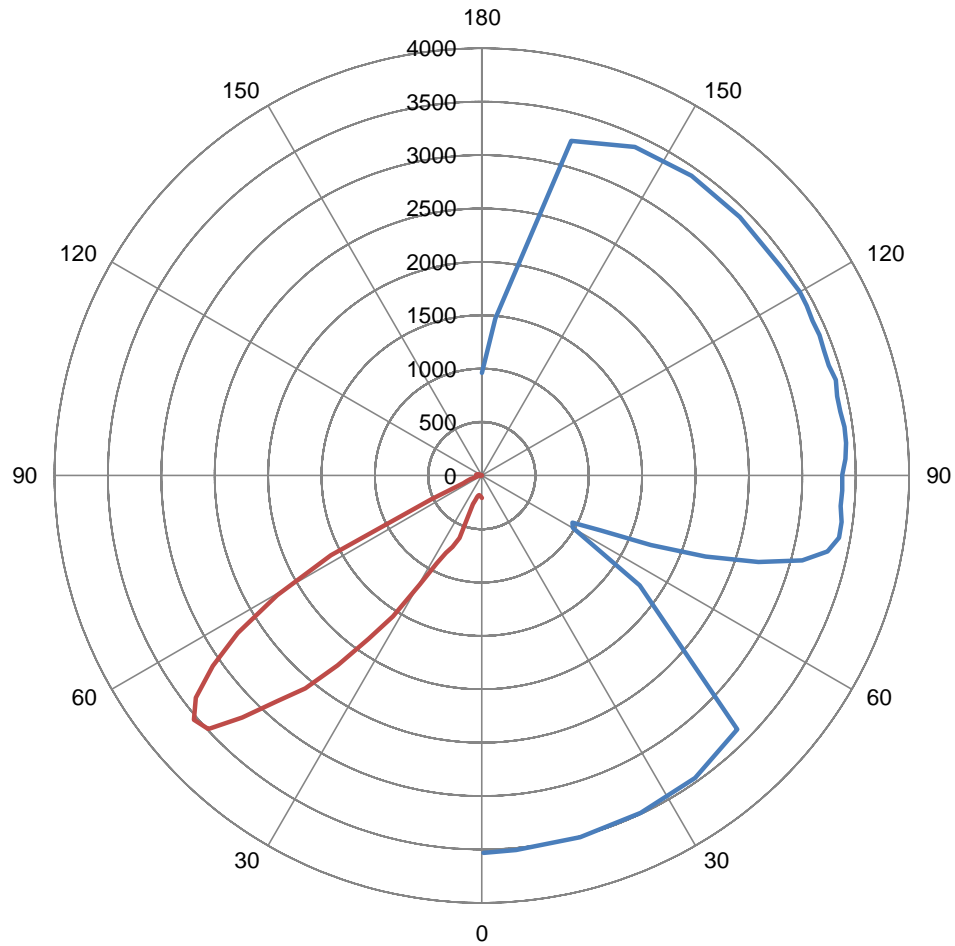
IES Roadway Classification:	Type III, Very Short	Total Lumen Output:	6960 Lumens
Cutoff Classification:	Cutoff	Luminaire Efficacy:	124.1 lm/w
BUG Rating:	B3 U3 G1	Maximum Candela:	3533 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

50 ° Vertical

Maximum Intensity (Candlepower):

3533 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	5.0	0.1%	60-65	598.1	8.6%	120-125	5.5	0.1%
5-10	13.3	0.2%	65-70	120.9	1.7%	125-130	2.8	0.0%
10-15	23.8	0.3%	70-75	52.2	0.8%	130-135	2.0	0.0%
15-20	52.3	0.8%	75-80	26.7	0.4%	135-140	1.6	0.0%
20-25	132.0	1.9%	80-85	16.8	0.2%	140-145	1.2	0.0%
25-30	217.0	3.1%	85-90	13.8	0.2%	145-150	0.8	0.0%
30-35	398.8	5.7%	90-95	15.4	0.2%	150-155	0.5	0.0%
35-40	661.8	9.5%	95-100	22.4	0.3%	155-160	0.3	0.0%
40-45	954.7	13.7%	100-105	22.0	0.3%	160-165	0.1	0.0%
45-50	1222.7	17.6%	105-110	18.6	0.3%	165-170	0.1	0.0%
50-55	1260.6	18.1%	110-115	14.7	0.2%	170-175	0.0	0.0%
55-60	1072.6	15.4%	115-120	9.6	0.1%	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)	219.9	3.2%
FM	(30-60)	2701.1	38.8%
FH	(60-80)	384.0	5.5%
FVH	(80-90)	15.3	0.2%
BL	(0-30)	223.5	3.2%
BM	(30-60)	2870.1	41.2%
BH	(60-80)	413.9	5.9%
BVH	(80-90)	15.2	0.2%
UL	(90-100)	37.7	0.5%
UH	(100-180)	79.7	1.1%
Total		6960.3	100.0%
BUG Rating	B3 U3 G1		