



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
BSB-LED-X85-SD10

Order Number

11609594

Test Number

11609594.06A

Revised Date:

2017-10-05

Test Date

2017-08-16

Prepared By

Khang Nguyen, Technician

Approved By

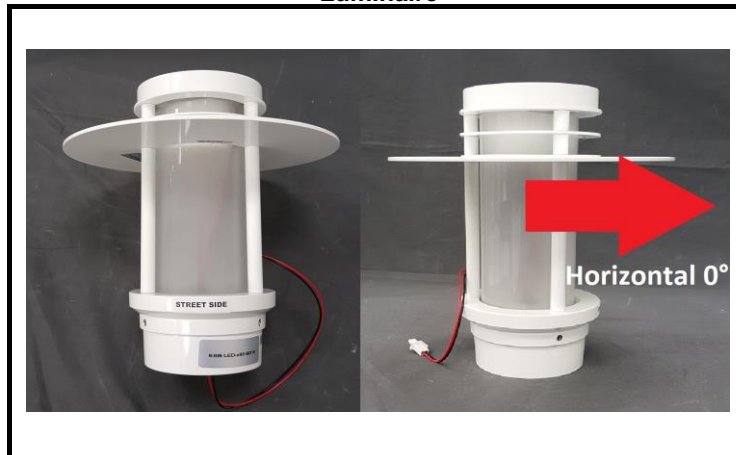
Eric Gaudreau, Senior Engineering Associate

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, reflector, diffuse lens, and standing pole housing
Lamp: One (1) White LED
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/M

Luminaire



Luminaire Characteristics

Luminous Diameter: 10.00 in.
Luminous Height: 7.00 in.

Summary of Results

Roadway Classification: Type IV, Very Short
Cutoff Classification: Noncutoff
BUG Rating: B1 U3 G1

Test Conditions

Test Temperature: 25.1 °C
Voltage: 120.1 VAC
Current: 0.1875 A
Power: 22.31 W
Power Factor: 0.991
Frequency: 60 Hz
Current THD: 5.05 %

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

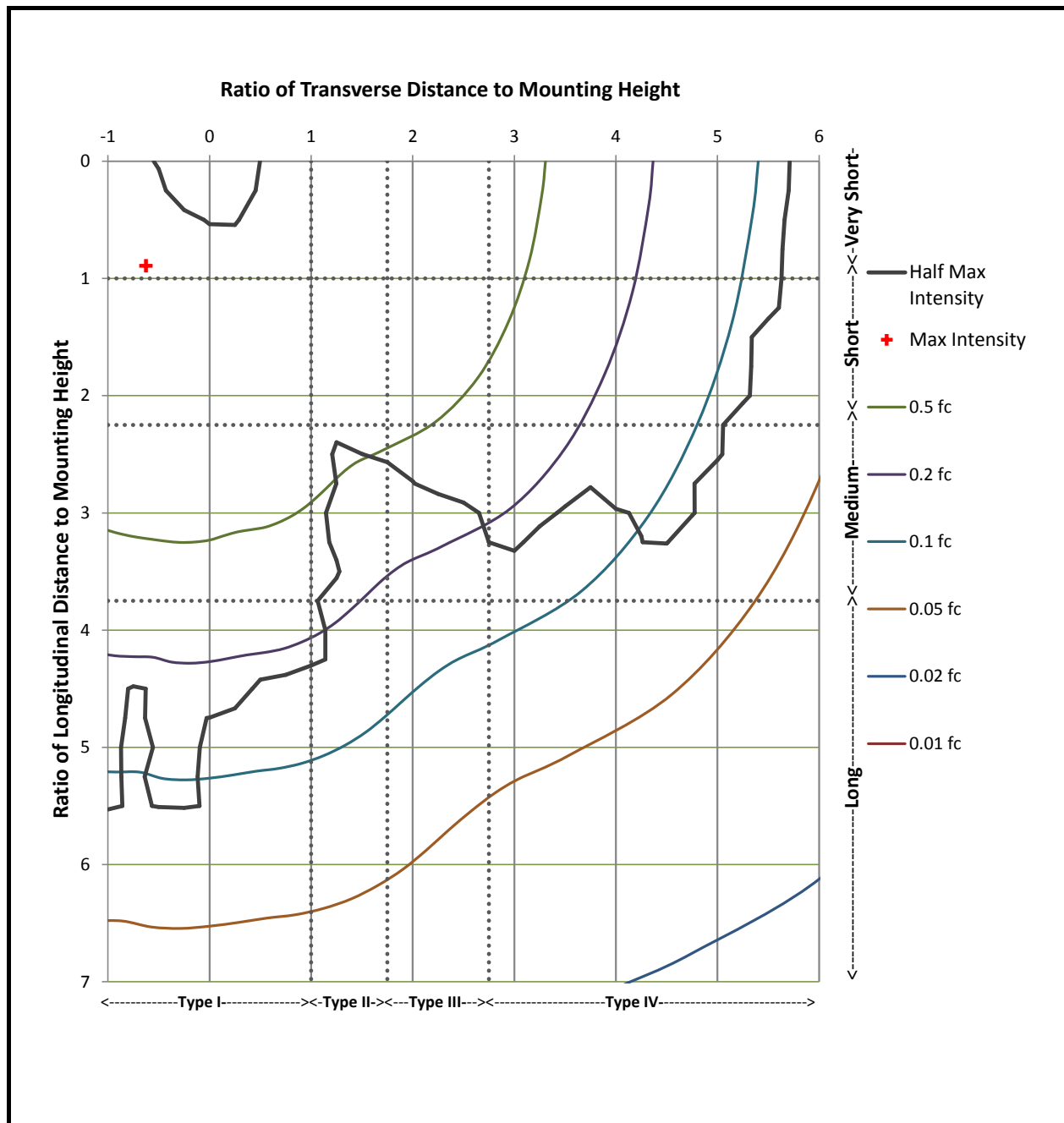
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.1 VAC	0.1875 A	22.31 W	0.991	60 Hz	5.05 %

Summary of Results

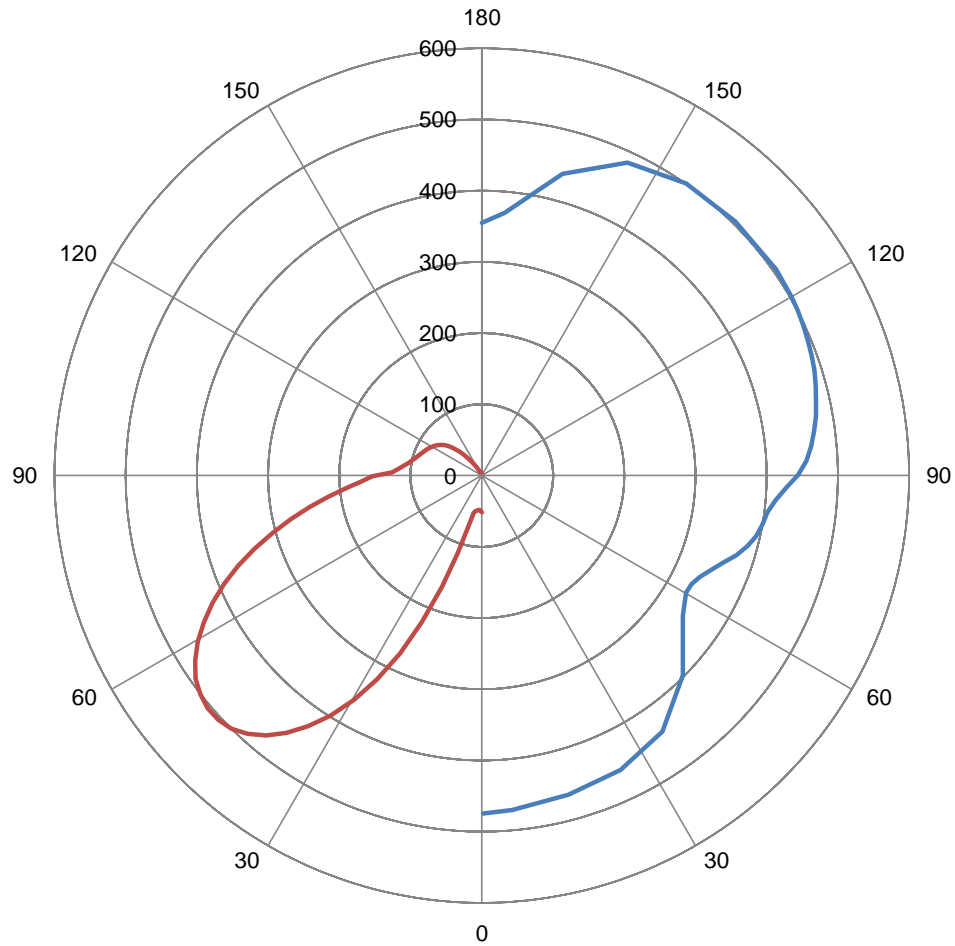
IES Roadway Classification:	Type IV, Very Short	Total Lumen Output:	2410 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	108.0 lm/w
BUG Rating:	B1 U3 G1	Maximum Candela:	505 Candela

ISO FootCandle Plot at 4 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

125 ° Lateral

Lateral Cone Through

47.5 ° Vertical

Maximum Intensity (Candlepower):

505 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.3	0.1%	60-65	190.2	7.9%	120-125	37.3	1.5%
5-10	3.5	0.1%	65-70	177.0	7.3%	125-130	32.0	1.3%
10-15	6.7	0.3%	70-75	157.2	6.5%	130-135	25.3	1.1%
15-20	17.7	0.7%	75-80	133.1	5.5%	135-140	17.6	0.7%
20-25	41.6	1.7%	80-85	108.2	4.5%	140-145	10.2	0.4%
25-30	71.6	3.0%	85-90	86.6	3.6%	145-150	4.8	0.2%
30-35	102.5	4.3%	90-95	72.4	3.0%	150-155	2.0	0.1%
35-40	132.0	5.5%	95-100	62.1	2.6%	155-160	1.0	0.0%
40-45	158.1	6.6%	100-105	55.0	2.3%	160-165	0.8	0.0%
45-50	178.3	7.4%	105-110	49.9	2.1%	165-170	0.6	0.0%
50-55	191.0	7.9%	110-115	45.7	1.9%	170-175	0.3	0.0%
55-60	195.3	8.1%	115-120	41.7	1.7%	175-180	0.1	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)	67.2	2.8%
FM	(30-60)	447.5	18.6%
FH	(60-80)	314.8	13.1%
FVH	(80-90)	96.1	4.0%
BL	(0-30)	75.1	3.1%
BM	(30-60)	509.7	21.1%
BH	(60-80)	342.7	14.2%
BVH	(80-90)	98.7	4.1%
UL	(90-100)	134.4	5.6%
UH	(100-180)	324.2	13.4%
Total		2410.5	100.0%
BUG Rating	B1 U3 G1		