



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

Daniel Carrejo
40429 Brickyard Dr.
Madera, CA 93636
United States

Catalog Number
SQ-LT-90-12-LED-E72-WHP-PROTOTYPE(90° Bendo) quick test

Order Number
13290547
Test Number
13290547.08

Test Date

2020-06-18

Prepared By

Austin Duff, 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 rectangular metal housing and diffuse plastic lens
Lamp: One (1) White LED
Mounting: VBD
Ballast/Driver: One (1) PowerSelect PS20U15K

Luminaire



Luminaire Characteristics

Luminous Length: 0.75 in.
Luminous Width: 1.000 in.

Summary of Results

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

Test Conditions

Test Temperature: 24.8 °C
Voltage: 120.0 VAC
Current: 0.05617 A
Power: 3.812 W
Power Factor: 0.565
Frequency: 60 Hz
Current THD: 145 %

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

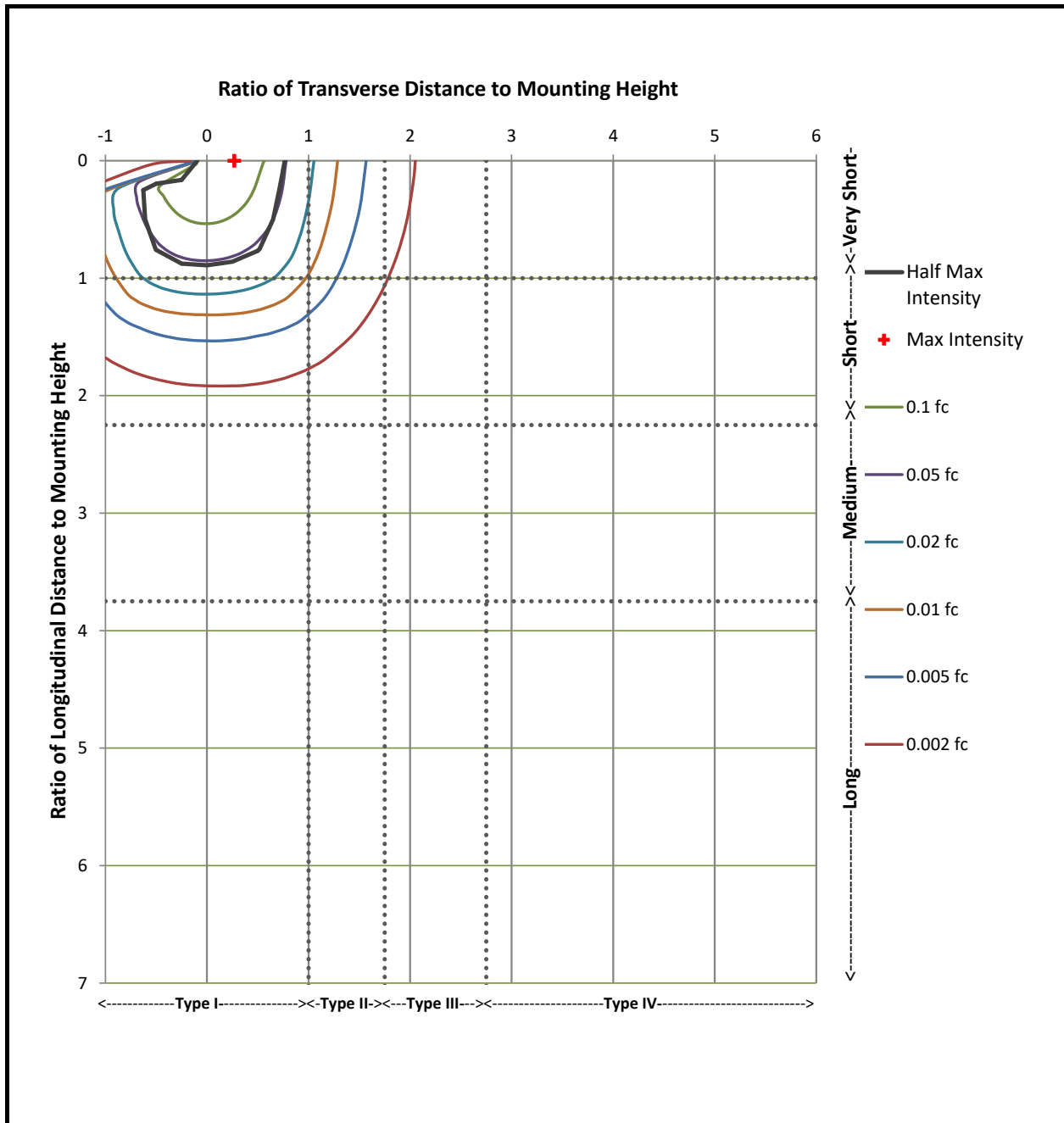
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.05617 A	3.812 W	0.565	60 Hz	145 %

Summary of Results

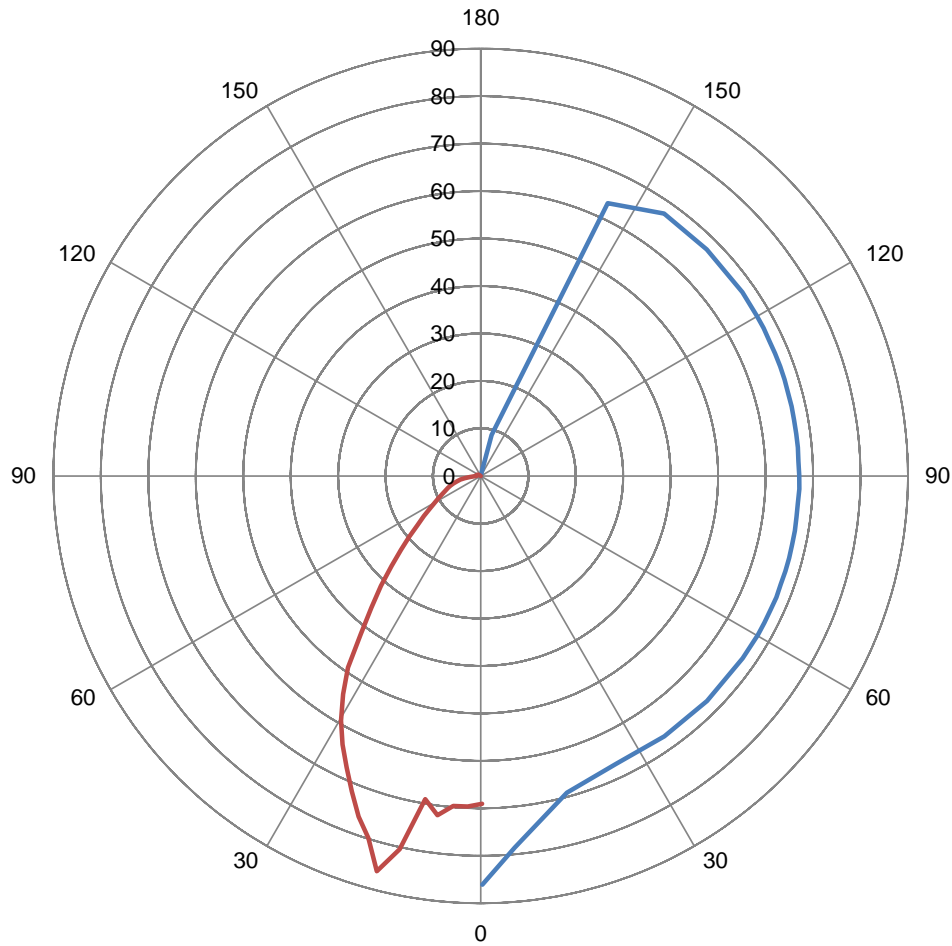
IES Roadway Classification:	Type I, Very Short	Total Lumen Output:	127 Lumens
Cutoff Classification:	Cutoff	Luminaire Efficacy:	33.4 lm/w
BUG Rating:	B0 U1 G0	Maximum Candela:	86 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

15 ° Vertical

Maximum Intensity (Candlepower):

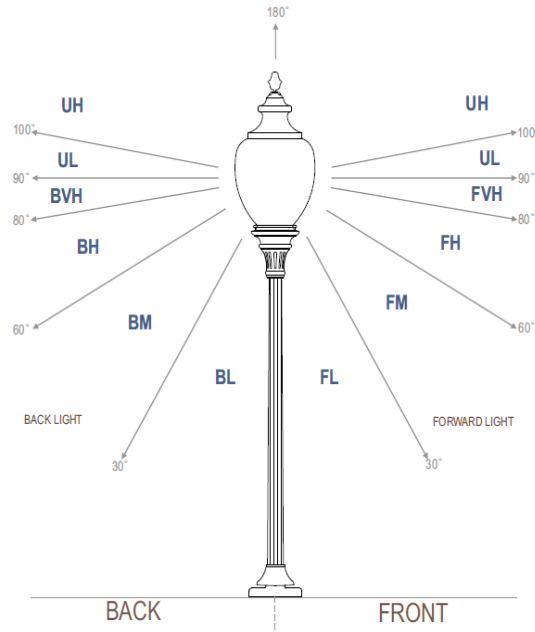
86 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.8	1.4%	60-65	4.0	3.1%	120-125	0.1	0.0%
5-10	4.4	3.4%	65-70	3.0	2.4%	125-130	0.0	0.0%
10-15	7.0	5.5%	70-75	2.2	1.7%	130-135	0.0	0.0%
15-20	10.1	7.9%	75-80	1.5	1.2%	135-140	0.0	0.0%
20-25	12.4	9.7%	80-85	0.8	0.6%	140-145	0.0	0.0%
25-30	13.7	10.8%	85-90	0.2	0.2%	145-150	0.0	0.0%
30-35	14.5	11.4%	90-95	0.1	0.1%	150-155	0.0	0.0%
35-40	14.2	11.2%	95-100	0.1	0.1%	155-160	0.0	0.0%
40-45	12.9	10.1%	100-105	0.1	0.1%	160-165	0.0	0.0%
45-50	10.7	8.4%	105-110	0.1	0.1%	165-170	0.0	0.0%
50-55	7.8	6.1%	110-115	0.1	0.1%	170-175	0.0	0.0%
55-60	5.4	4.3%	115-120	0.1	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)	27.0	21.2%
FM	(30-60)	35.8	28.1%
FH	(60-80)	6.6	5.2%
FVH	(80-90)	0.8	0.6%
BL	(0-30)	22.3	17.5%
BM	(30-60)	29.7	23.4%
BH	(60-80)	4.1	3.2%
BVH	(80-90)	0.2	0.2%
UL	(90-100)	0.2	0.2%
UH	(100-180)	0.5	0.4%
Total		127.3	100.0%
BUG Rating	B0 U1 G0		