



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
Daniel Carrejo
40429 Brickyard Dr.
Madera, CA 93636-9515
United States

Catalog Number
LT-12-A-LED-E72-1-4000K

Order Number
12592344
Test Number
12592344.04B

Revised:
2019-02-20
Test Date

2019-01-23

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 cylindrical metal housing with cylindrical mounting base and plastic diffuse lens
Lamp: One (1) White LED
Mounting: VBD
Ballast/Driver: One (1) PowerSelect PS20U15K

Luminaire



Luminaire Characteristics

Luminous Length: 0.50 in.
Luminous Width: 1.000 in.
Luminous Height: 0.75 in.

Summary of Results

Roadway Classification: Type IV, Very Long
Cutoff Classification: Noncutoff
BUG Rating: B0 U2 G1

Test Conditions

Test Temperature: 24.8 °C
Voltage: 120.0 VAC
Current: 0.05487 A
Power: 3.681 W
Power Factor: 0.559
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

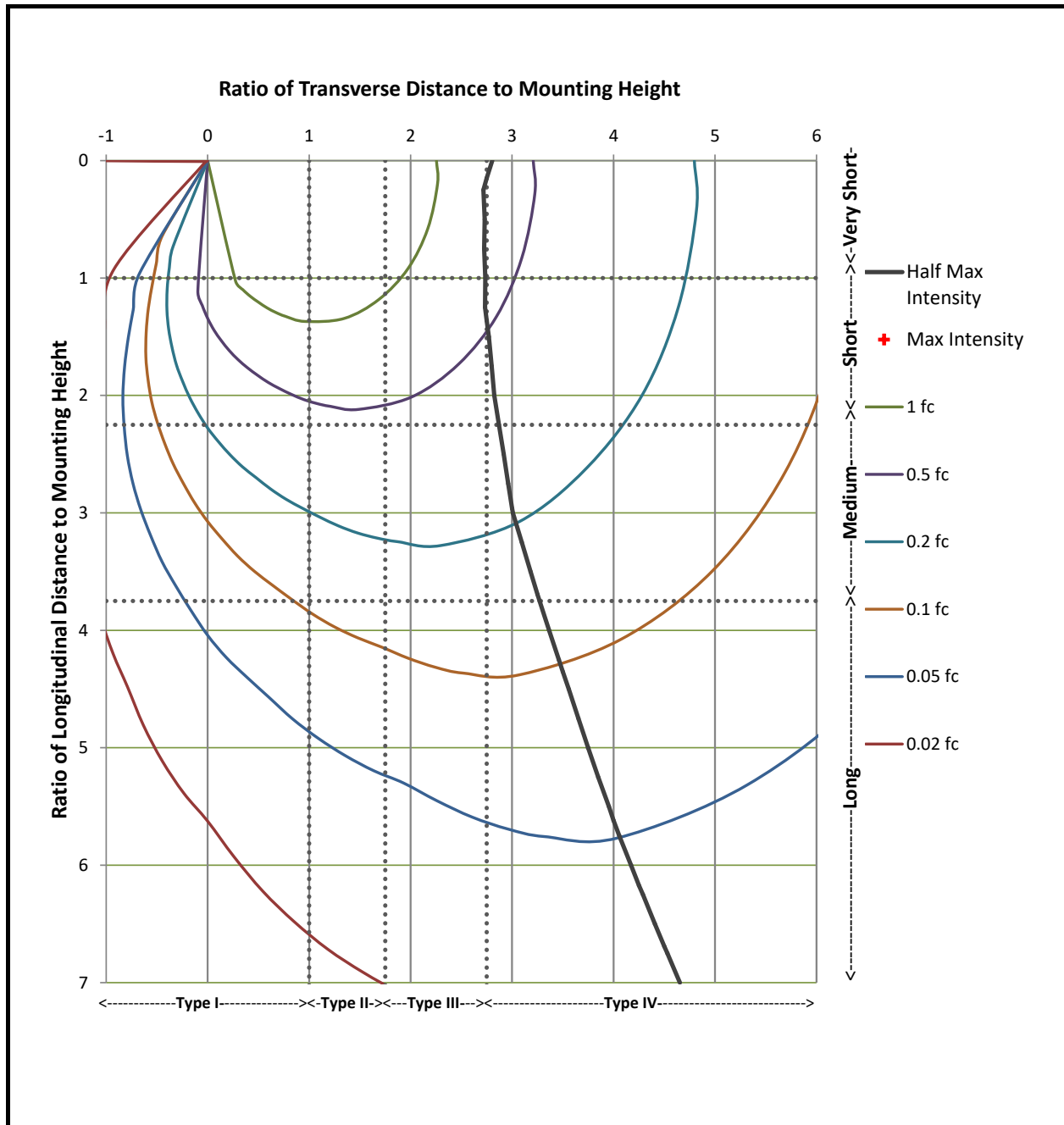
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.05487 A	3.681 W	0.559	60 Hz	148 %

Summary of Results

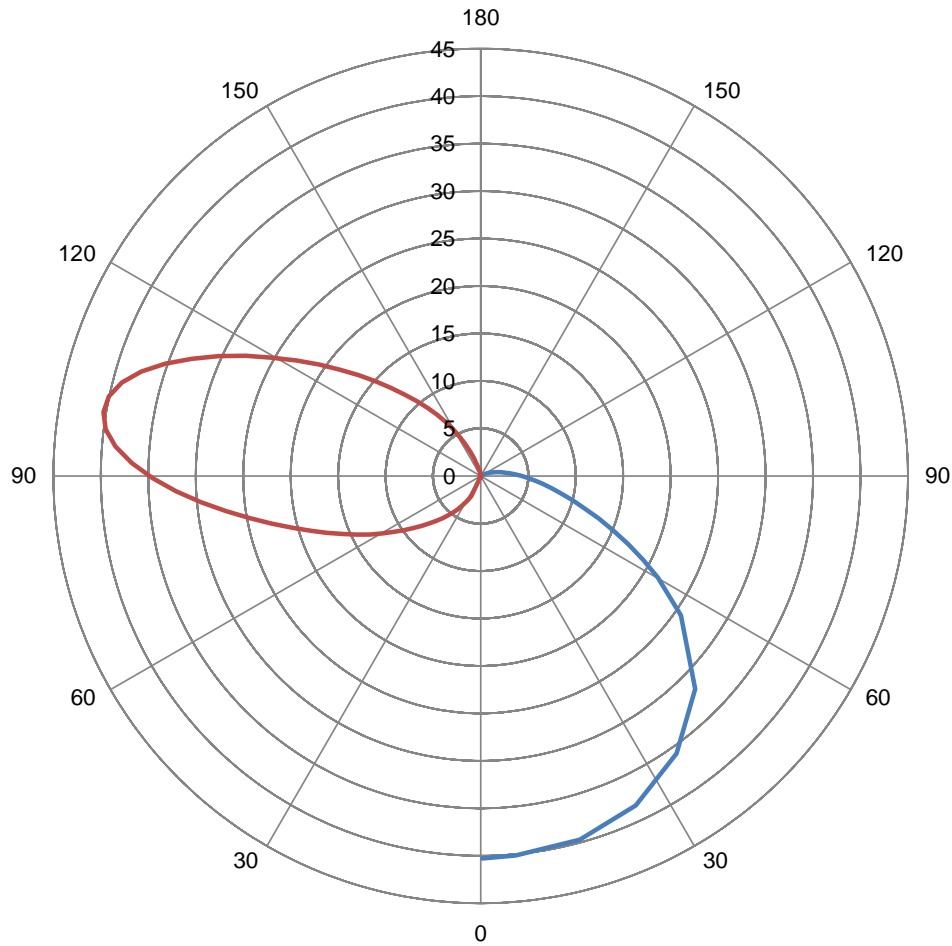
IES Roadway Classification:	Type IV, Very Long	Total Lumen Output:	84 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	22.8 lm/w
BUG Rating:	B0 U2 G1	Maximum Candela:	40 Candela

ISO FootCandle Plot at 1 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

100 ° Vertical

Maximum Intensity (Candlepower):

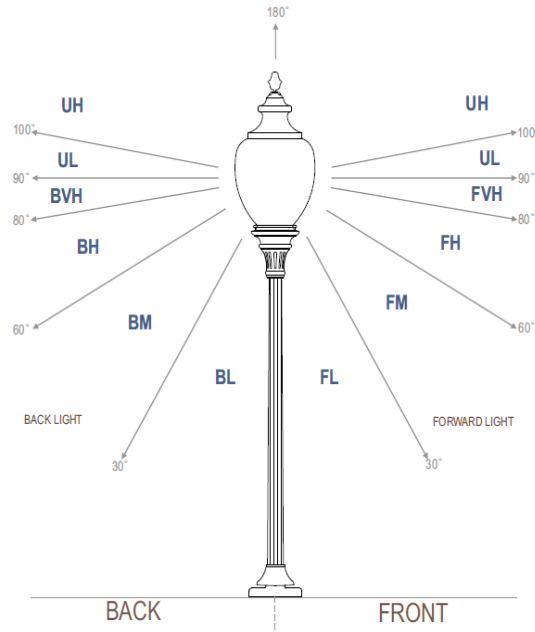
40 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.0	0.0%	60-65	2.4	2.8%	120-125	3.7	4.4%
5-10	0.0	0.0%	65-70	2.9	3.5%	125-130	2.9	3.4%
10-15	0.0	0.0%	70-75	3.6	4.3%	130-135	2.1	2.6%
15-20	0.1	0.1%	75-80	4.4	5.2%	135-140	1.6	1.9%
20-25	0.2	0.2%	80-85	5.3	6.3%	140-145	1.1	1.3%
25-30	0.3	0.4%	85-90	6.2	7.4%	145-150	0.7	0.9%
30-35	0.5	0.6%	90-95	7.0	8.4%	150-155	0.4	0.5%
35-40	0.7	0.8%	95-100	7.4	8.9%	155-160	0.2	0.3%
40-45	0.9	1.0%	100-105	7.3	8.7%	160-165	0.1	0.1%
45-50	1.2	1.4%	105-110	6.7	8.0%	165-170	0.0	0.0%
50-55	1.5	1.8%	110-115	5.7	6.8%	170-175	0.0	0.0%
55-60	1.9	2.3%	115-120	4.7	5.6%	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)	0.5	0.6%
FM	(30-60)	6.1	7.3%
FH	(60-80)	12.8	15.2%
FVH	(80-90)	11.2	13.3%
BL	(0-30)	0.1	0.1%
BM	(30-60)	0.4	0.5%
BH	(60-80)	0.6	0.7%
BVH	(80-90)	0.3	0.4%
UL	(90-100)	14.5	17.2%
UH	(100-180)	37.4	44.6%
Total		83.9	100.0%
BUG Rating	B0 U2 G1		