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Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002

Prepared For
B-K Lighting Inc
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United States

Catalog Number
LET-12-E-LED-E72-1-4000K
Order Number
12592344
Test Number
12592344.09A
Revised Date:
2019-03-15
Test Date
2019-01-28

Prepared By

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Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
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Luminaire Description: White cylindrical metal housing with cylindrical mounting base; decorative dome reflector and plastic diffuse lens
Lamp: One (1) White LED
Mounting: VBD
Ballast/Driver: One (1) PowerSelect PS20U15K

Luminaire



Luminaire Characteristics

Luminous Diameter: 2.75 in.
Luminous Height: 0.250 in.

Summary of Results

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

Test Conditions

Test Temperature: 24.5 °C
Voltage: 120.0 VAC
Current: 0.05398 A
Power: 3.677 W
Power Factor: 0.568
Frequency: 60 Hz
Current THD: 144 %

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

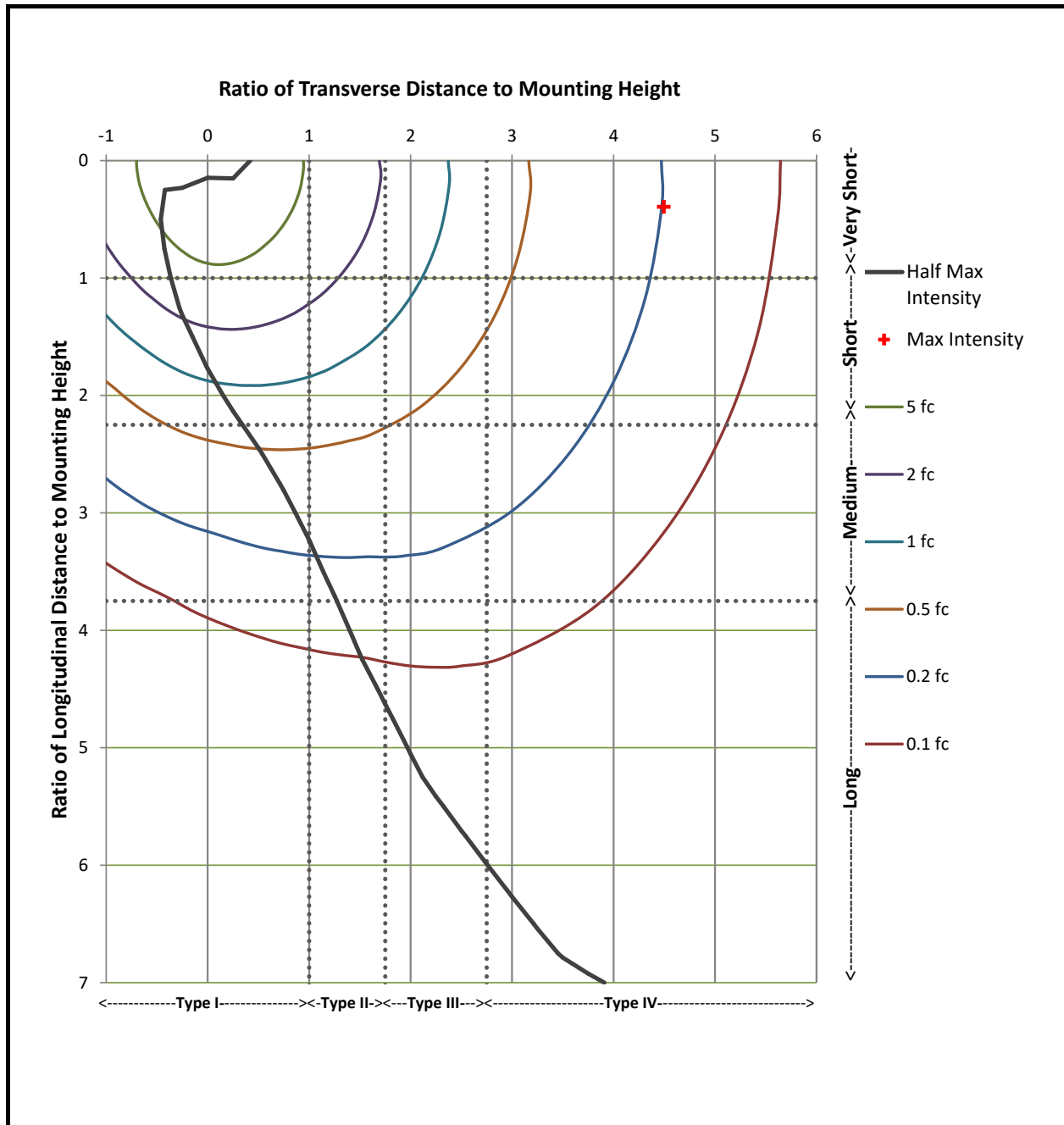
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.05398 A	3.677 W	0.568	60 Hz	144 %

Summary of Results

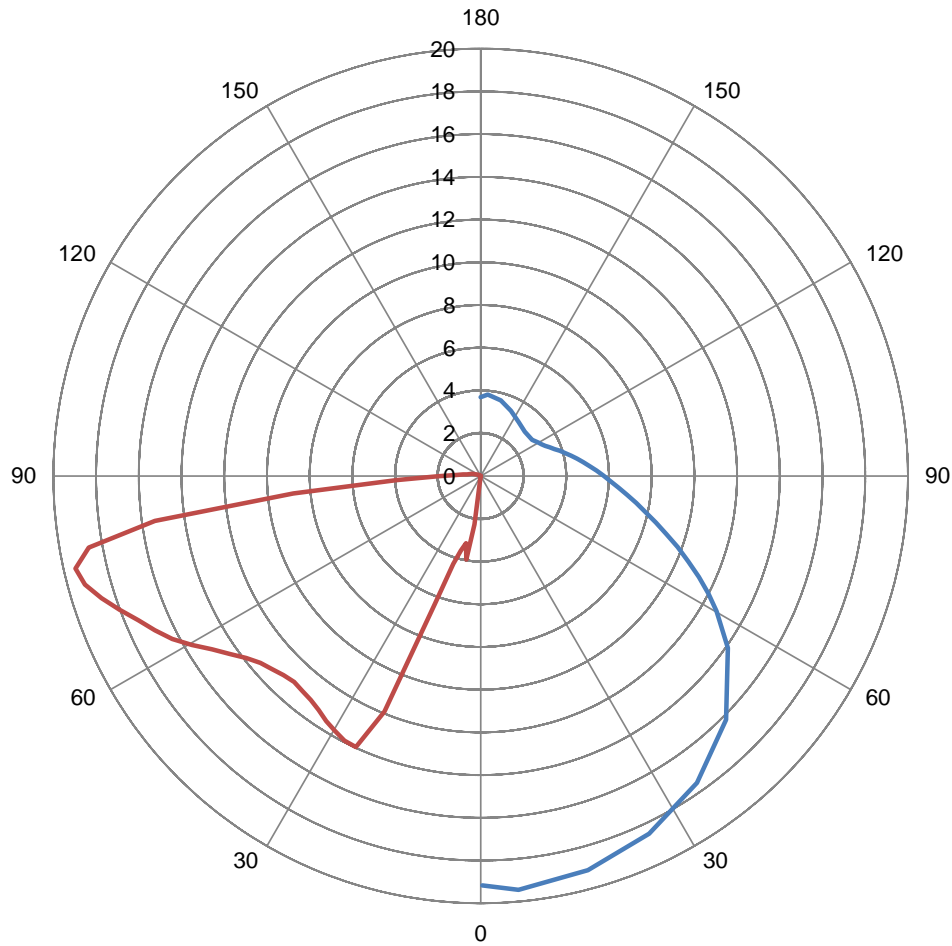
IES Roadway Classification:	Type I, Very Short	Total Lumen Output:	59 Lumens
Cutoff Classification	Noncutoff	Luminaire Efficacy:	16.1 lm/w
BUG Rating:	B0 U1 G0	Maximum Candela:	19 Candela

ISO FootCandle Plot at 1 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

5 ° Lateral

Lateral Cone Through

77.5 ° Vertical

Maximum Intensity (Candlepower):

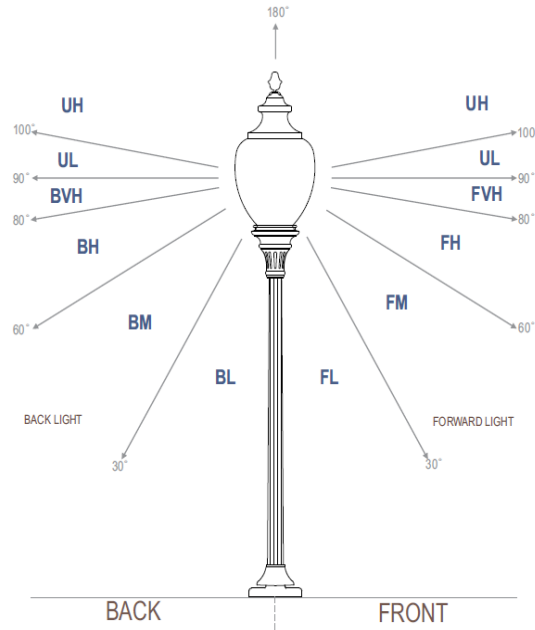
19 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.0	0.0%	60-65	5.1	8.5%	120-125	0.0	0.0%
5-10	0.3	0.5%	65-70	5.1	8.6%	125-130	0.0	0.0%
10-15	1.1	1.8%	70-75	5.1	8.5%	130-135	0.0	0.0%
15-20	1.9	3.2%	75-80	4.8	8.1%	135-140	0.0	0.0%
20-25	2.6	4.4%	80-85	3.5	6.0%	140-145	0.0	0.0%
25-30	3.1	5.2%	85-90	1.2	1.9%	145-150	0.0	0.0%
30-35	3.5	5.8%	90-95	0.3	0.4%	150-155	0.0	0.0%
35-40	3.8	6.4%	95-100	0.1	0.2%	155-160	0.0	0.0%
40-45	4.1	6.8%	100-105	0.1	0.1%	160-165	0.0	0.0%
45-50	4.3	7.3%	105-110	0.0	0.1%	165-170	0.0	0.0%
50-55	4.6	7.7%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	4.9	8.2%	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)	5.2	8.7%
FM	(30-60)	14.8	24.9%
FH	(60-80)	14.4	24.3%
FVH	(80-90)	4.0	6.7%
BL	(0-30)	3.9	6.5%
BM	(30-60)	10.3	17.4%
BH	(60-80)	5.6	9.4%
BVH	(80-90)	0.7	1.2%
UL	(90-100)	0.4	0.6%
UH	(100-180)	0.1	0.2%
Total		59.3	100.0%
BUG Rating	B0 U1 G0		