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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
SWM-LED-L17

Order Number

11609588

Test Number

11609588.05

Revised:

2017-06-05

Test Date

2017-04-20

Prepared By

Khang Nguyen, Technician

Approved By

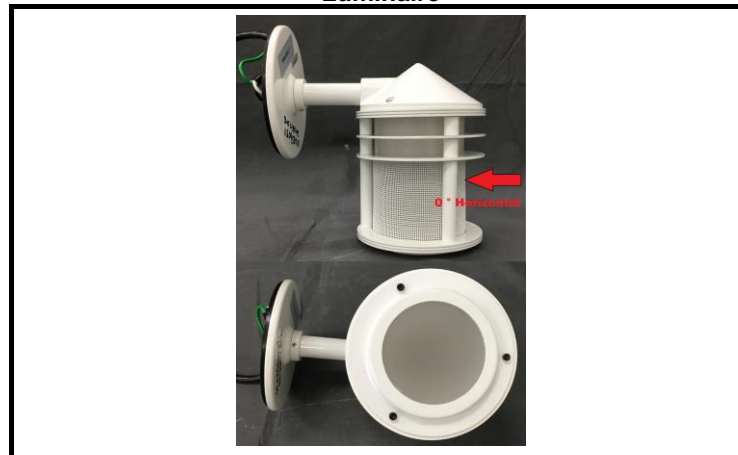
Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Decorative white metal housing with baffles, grate and diffuse lens.
Lamp: White LED array
Mounting: Surface – Wall

Luminaire



Luminaire Characteristics

Luminous Diameter: 5.00 in.
Luminous Height: 5.250 in.

Summary of Results

Roadway Classification: Type V, Very Short
Cutoff Classification: Noncutoff
BUG Rating: B0 U3 G1

Test Conditions

Test Temperature: 24.8 °C
Voltage: 120.1 VAC
Current: 0.1666 A
Power: 19.61 W
Power Factor: 0.980
Frequency: 60 Hz
Current THD: 19.5 %

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

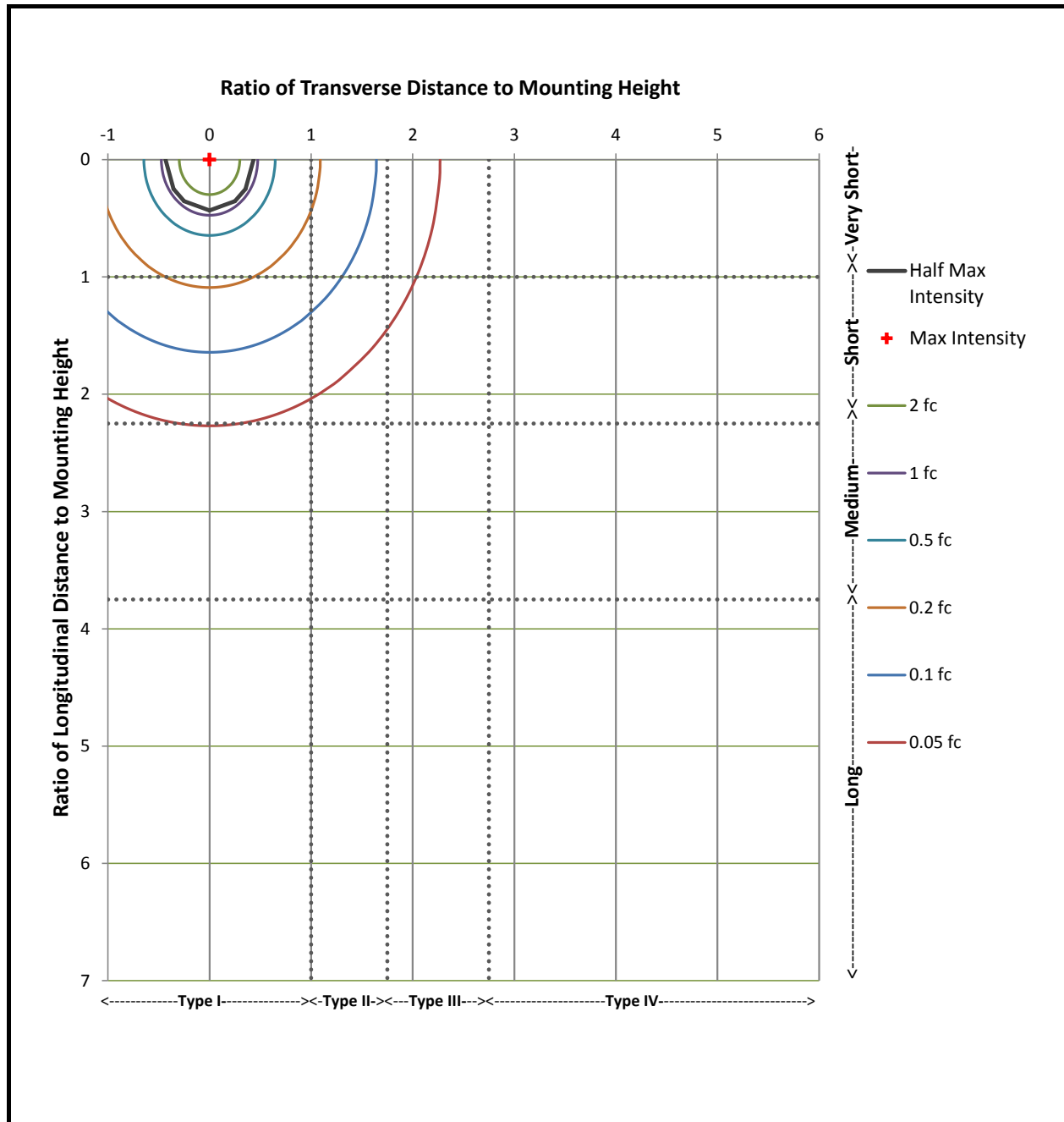
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.1666 A	19.61 W	0.980	60 Hz	19.5 %

Summary of Results

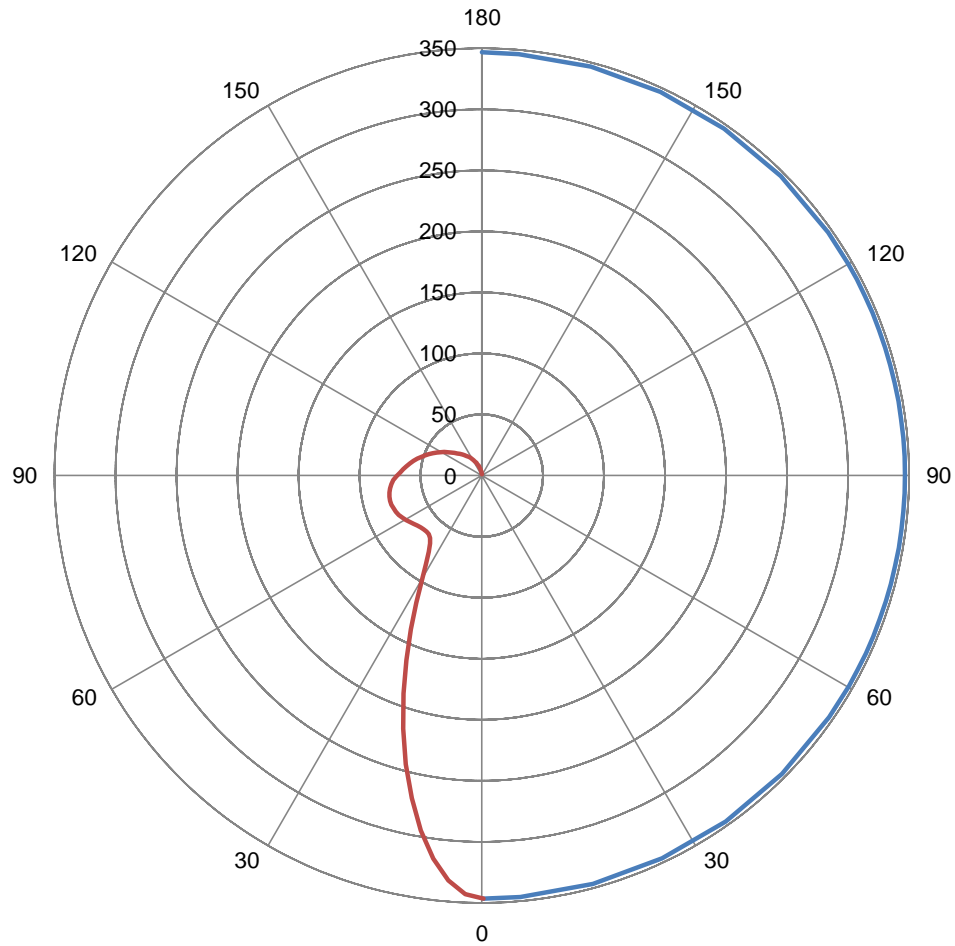
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	803 Lumens
Cutoff Classification:	Noncutoff	Luminaire Efficacy:	40.9 lm/w
BUG Rating:	B0 U3 G1	Maximum Candela:	347 Candela

ISO FootCandle Plot at 10 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

0 ° Vertical

Maximum Intensity (Candlepower):

347 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	8.6	1.1%	60-65	35.8	4.5%	120-125	16.8	2.1%
5-10	22.3	2.8%	65-70	38.6	4.8%	125-130	13.7	1.7%
10-15	31.7	4.0%	70-75	40.6	5.1%	130-135	11.0	1.4%
15-20	35.5	4.4%	75-80	41.5	5.2%	135-140	8.7	1.1%
20-25	34.1	4.2%	80-85	41.2	5.1%	140-145	6.8	0.8%
25-30	29.7	3.7%	85-90	39.6	4.9%	145-150	5.1	0.6%
30-35	25.4	3.2%	90-95	36.8	4.6%	150-155	3.6	0.5%
35-40	23.5	2.9%	95-100	33.8	4.2%	155-160	2.4	0.3%
40-45	24.1	3.0%	100-105	30.7	3.8%	160-165	1.4	0.2%
45-50	26.2	3.3%	105-110	27.2	3.4%	165-170	0.7	0.1%
50-55	29.1	3.6%	110-115	23.7	2.9%	170-175	0.3	0.0%
55-60	32.4	4.0%	115-120	20.1	2.5%	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)	80.9	10.1%
FM	(30-60)	80.3	10.0%
FH	(60-80)	78.3	9.8%
FVH	(80-90)	40.4	5.0%
BL	(0-30)	80.9	10.1%
BM	(30-60)	80.3	10.0%
BH	(60-80)	78.3	9.8%
BVH	(80-90)	40.4	5.0%
UL	(90-100)	70.6	8.8%
UH	(100-180)	172.2	21.5%
Total		802.6	100.0%
BUG Rating	B0 U3 G1		