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Outdoor Distribution Test Report

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

Prepared For
B-K Lighting Inc

Chris McCarthy
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Madera, CA 93636-9515
United States

Catalog Number
BWM-LED-L12-SD12

Order Number

11609588

Test Number

11609588.18

Revised:

2017-06-05

Test Date

2017-04-25

Prepared By

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Approved By

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

Luminaire



Luminaire Characteristics

Luminous Diameter: 12.00 in.
Luminous Height: 5.50 in.

Summary of Results

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

Test Conditions

Test Temperature:	25.6 °C
Voltage:	120.0 VAC
Current:	0.08424 A
Power:	9.882 W
Power Factor:	0.977
Frequency:	60 Hz
Current THD:	19.8 %

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
25.6 °C	120.0 VAC	0.08424 A	9.882 W	0.977	60 Hz	19.8 %

Summary of Results

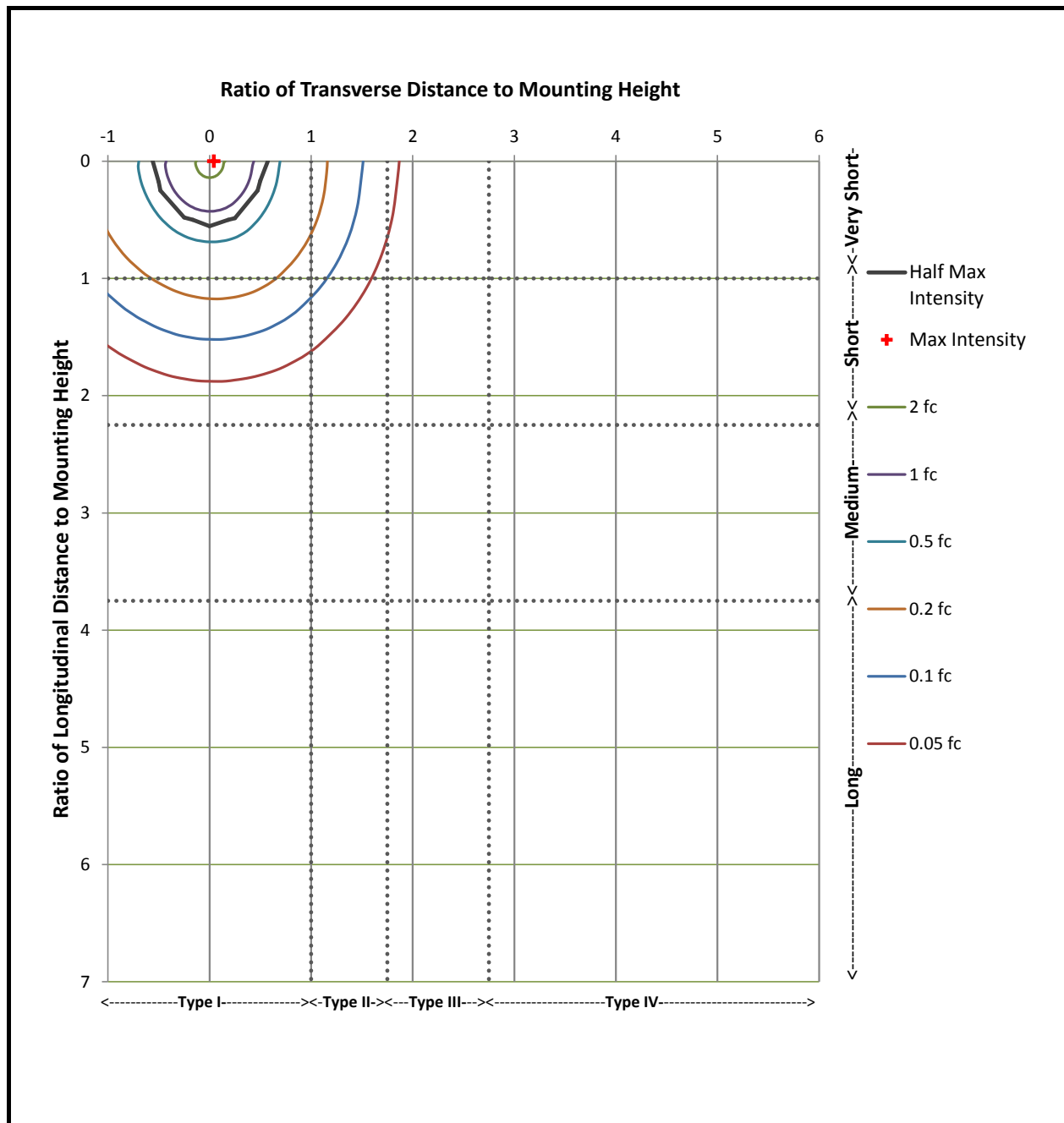
IES Roadway Classification:
Cutoff Classification
BUG Rating:

Type I, Very Short
Noncutoff
B0 U3 G1

Total Lumen Output:
Luminaire Efficacy:
Maximum Candela:

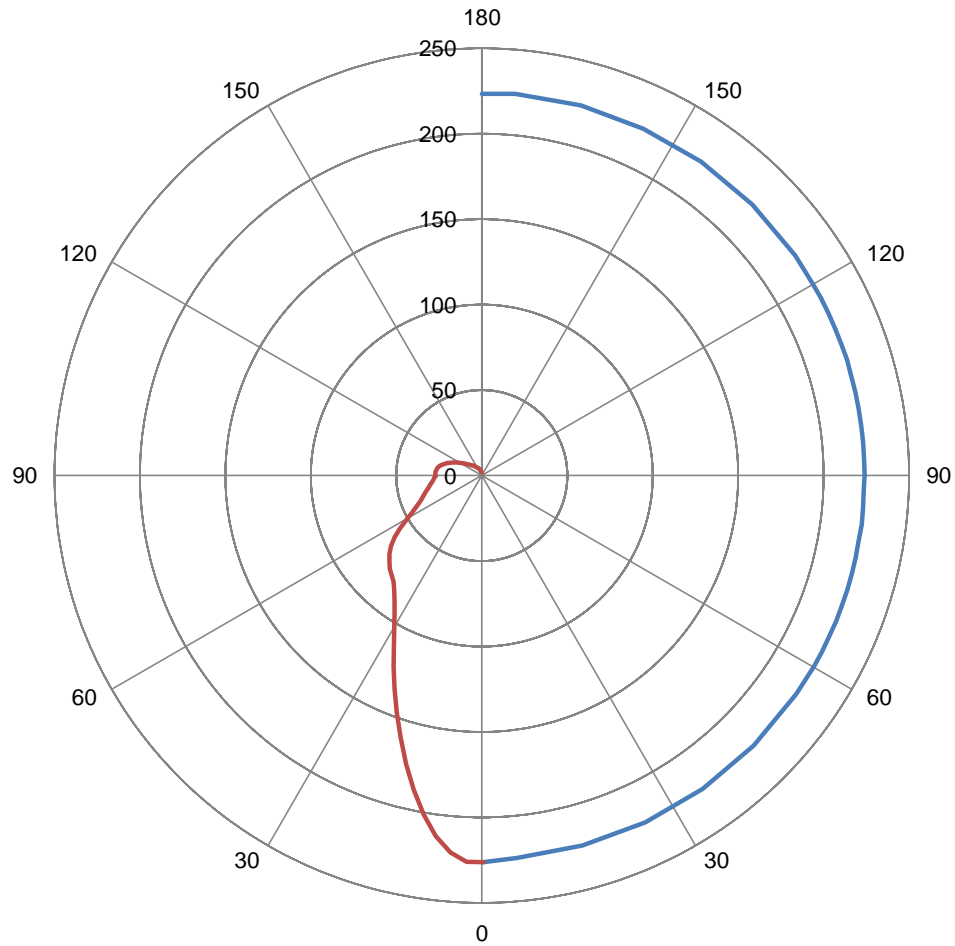
504 Lumens
51.0 lm/w
226 Candela

ISO FootCandle Plot at 10 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

2.5 ° Vertical

Maximum Intensity (Candlepower):

226 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	5.6	1.1%	60-65	23.1	4.6%	120-125	6.2	1.2%
5-10	14.7	2.9%	65-70	20.7	4.1%	125-130	4.8	0.9%
10-15	21.6	4.3%	70-75	19.2	3.8%	130-135	3.6	0.7%
15-20	25.7	5.1%	75-80	18.0	3.6%	135-140	2.8	0.6%
20-25	27.5	5.5%	80-85	16.7	3.3%	140-145	2.2	0.4%
25-30	27.9	5.5%	85-90	15.3	3.0%	145-150	1.7	0.3%
30-35	27.9	5.5%	90-95	14.7	2.9%	150-155	1.2	0.2%
35-40	28.1	5.6%	95-100	14.2	2.8%	155-160	0.9	0.2%
40-45	29.4	5.8%	100-105	12.9	2.6%	160-165	0.6	0.1%
45-50	30.4	6.0%	105-110	11.4	2.3%	165-170	0.4	0.1%
50-55	29.9	5.9%	110-115	9.7	1.9%	170-175	0.2	0.0%
55-60	26.9	5.3%	115-120	7.9	1.6%	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)	61.4	12.2%
FM	(30-60)	86.8	17.2%
FH	(60-80)	40.6	8.1%
FVH	(80-90)	16.6	3.3%
BL	(0-30)	61.6	12.2%
BM	(30-60)	85.8	17.0%
BH	(60-80)	40.5	8.0%
BVH	(80-90)	15.4	3.1%
UL	(90-100)	28.9	5.7%
UH	(100-180)	66.5	13.2%
Total		504.1	100.0%
BUG Rating	B0 U3 G1		