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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
BPM-SD12-LED-x45-A

Order Number
11609603
Test Number
11609603.18

Test Date

2017-08-09

Prepared By

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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, reflector, and diffuse lens.
Lamp: One (1) White LEDs
Mounting: Post
Ballast/Driver: One (1) eldoLED ECOdrive 561/S

Luminaire



Luminaire Characteristics

Luminous Diameter: 12.00 in.
Luminous Height: 7.00 in.

Summary of Results

Roadway Classification: Type V, Very Short
Cutoff Classification: Cutoff
BUG Rating: B1 U2 G1

Test Conditions

Test Temperature: 25.0 °C
Voltage: 120.1 VAC
Current: 0.1921 A
Power: 22.75 W
Power Factor: 0.986
Frequency: 60 Hz
Current THD: 7.55 %

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

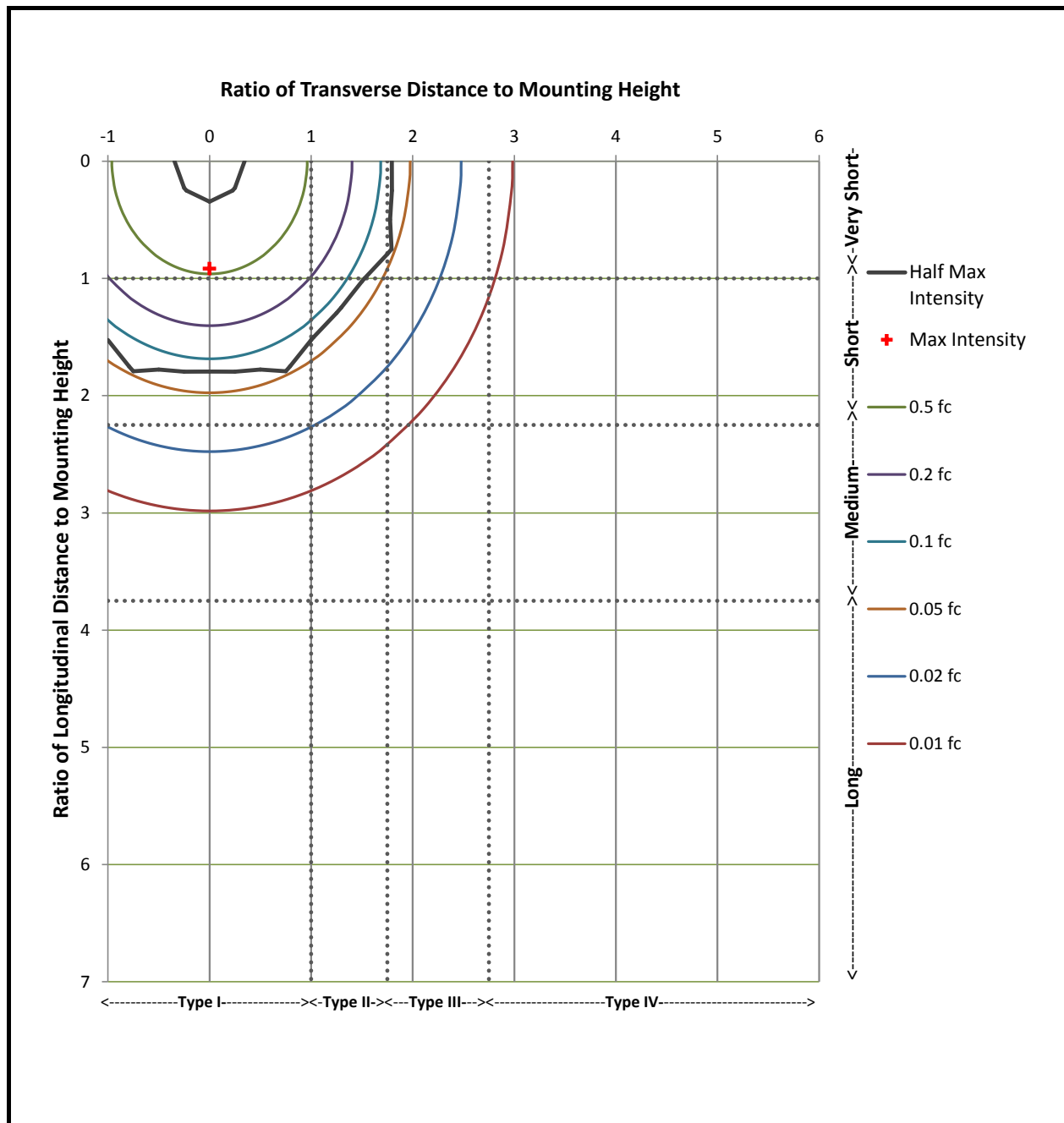
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
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Summary of Results

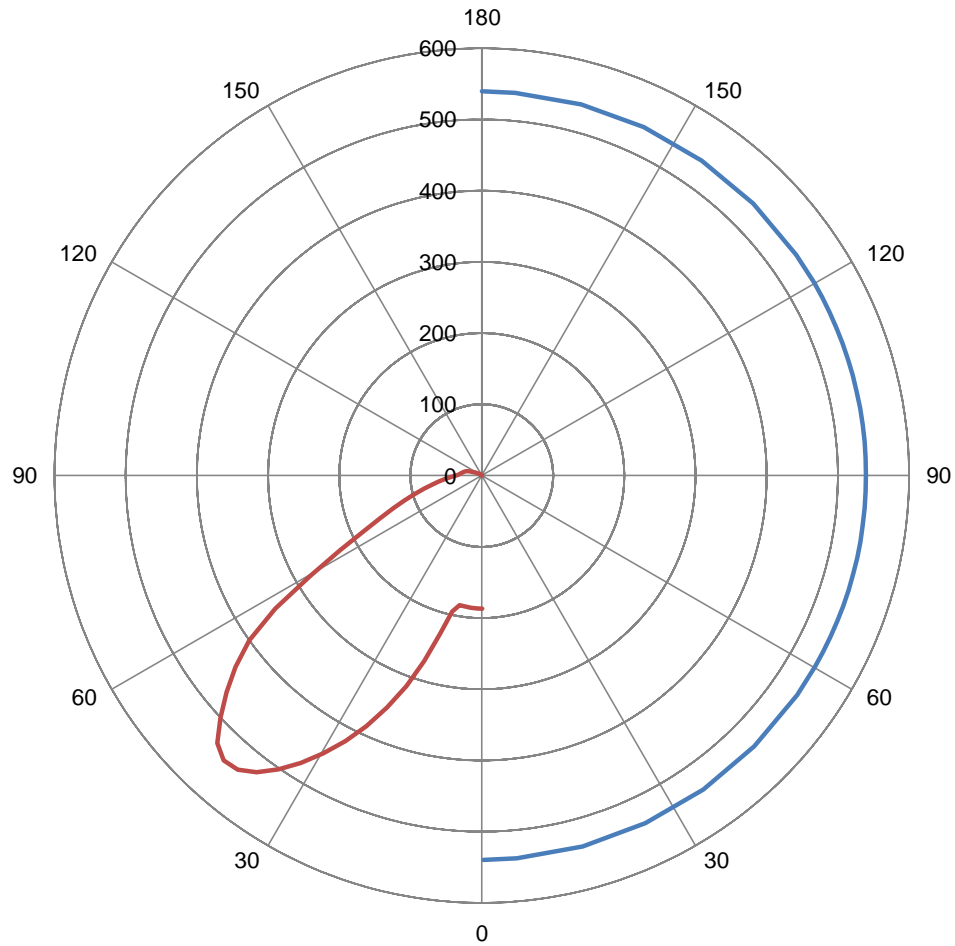
IES Roadway Classification:	Type V, Very Short	Total Lumen Output:	1757 Lumens
Cutoff Classification:	Cutoff	Luminaire Efficacy:	77.3 lm/w
BUG Rating:	B1 U2 G1	Maximum Candela:	540 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

42.5 ° Vertical

Maximum Intensity (Candlepower):

540 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	4.7	0.3%	60-65	110.8	6.3%	120-125	2.5	0.1%
5-10	13.3	0.8%	65-70	79.4	4.5%	125-130	1.6	0.1%
10-15	24.1	1.4%	70-75	59.6	3.4%	130-135	0.9	0.1%
15-20	45.3	2.6%	75-80	44.7	2.5%	135-140	0.5	0.0%
20-25	74.1	4.2%	80-85	33.2	1.9%	140-145	0.3	0.0%
25-30	106.3	6.1%	85-90	24.3	1.4%	145-150	0.2	0.0%
30-35	140.5	8.0%	90-95	18.1	1.0%	150-155	0.2	0.0%
35-40	174.0	9.9%	95-100	15.6	0.9%	155-160	0.1	0.0%
40-45	198.4	11.3%	100-105	13.6	0.8%	160-165	0.0	0.0%
45-50	201.7	11.5%	105-110	10.9	0.6%	165-170	0.0	0.0%
50-55	189.5	10.8%	110-115	7.0	0.4%	170-175	0.0	0.0%
55-60	157.9	9.0%	115-120	3.9	0.2%	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)	133.9	7.6%
FM	(30-60)	531.0	30.2%
FH	(60-80)	147.2	8.4%
FVH	(80-90)	28.7	1.6%
BL	(0-30)	133.9	7.6%
BM	(30-60)	531.0	30.2%
BH	(60-80)	147.2	8.4%
BVH	(80-90)	28.7	1.6%
UL	(90-100)	33.8	1.9%
UH	(100-180)	41.8	2.4%
Total		1757.4	100.0%
BUG Rating	B1 U2 G1		