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Outdoor Distribution Test Report

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

Prepared For
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United States

Catalog Number
TWB-LED-X85
Order Number
12073427
Test Number
12073427.10

Test Date

2017-12-14

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 louvers and frosted lens
Lamp: One (1) white LED
Mounting: Post
Ballast/Driver: One (1) ECOdrive 361/S

Luminaire



Luminaire Characteristics

Luminous Diameter: 8.00 in.
Luminous Height: 7.000 in.

Summary of Results

Roadway Classification: Type V, Medium
Cutoff Classification: Noncutoff
BUG Rating: B1 U4 G1

Test Conditions

Test Temperature: 25.5 °C
Voltage: 120.1 VAC
Current: 0.1907 A
Power: 22.23 W
Power Factor: 0.971
Frequency: 60 Hz
Current THD: 12.5 %

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
25.5 °C	120.1 VAC	0.1907 A	22.23 W	0.971	60 Hz	12.5 %

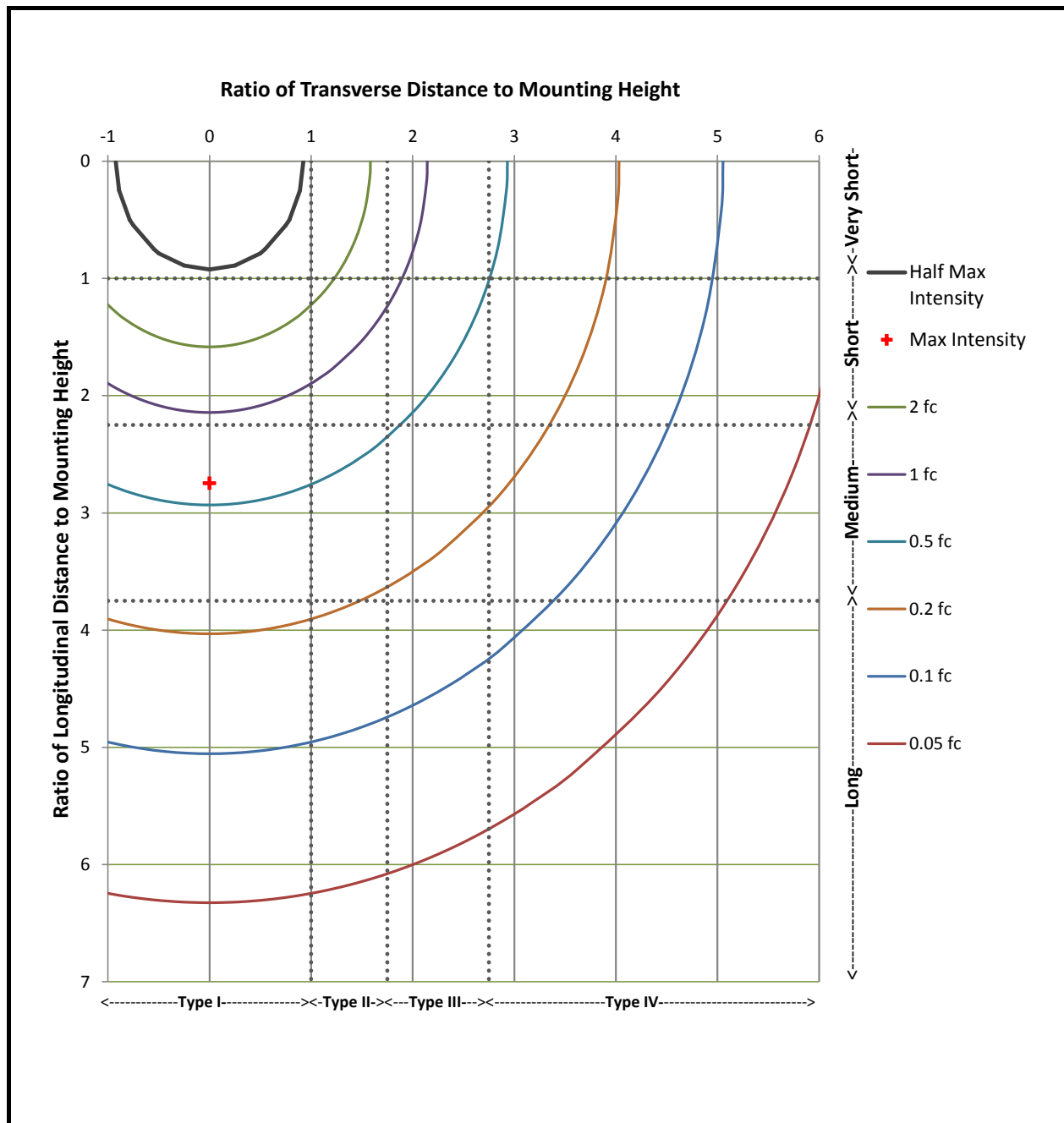
Summary of Results

IES Roadway Classification:
Cutoff Classification
BUG Rating:

Type V, Medium
Noncutoff
B1 U4 G1

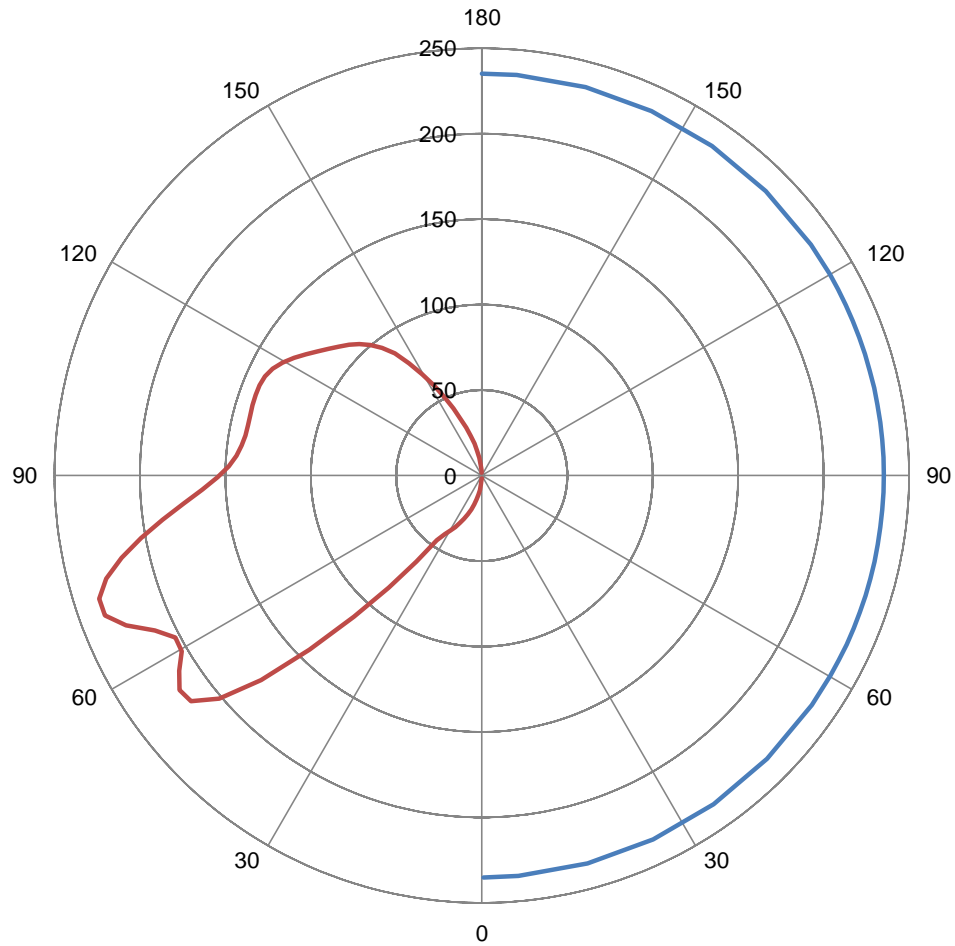
Total Lumen Output: 1728 Lumens
Luminaire Efficacy: 77.7 lm/w
Maximum Candela: 235 Candela

ISO FootCandle Plot at 4 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

70 ° Vertical

Maximum Intensity (Candlepower):

235 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.1	0.0%	60-65	99.8	5.8%	120-125	59.9	3.5%
5-10	0.6	0.0%	65-70	113.8	6.6%	125-130	52.5	3.0%
10-15	1.7	0.1%	70-75	122.0	7.1%	130-135	45.6	2.6%
15-20	3.5	0.2%	75-80	115.4	6.7%	135-140	38.9	2.2%
20-25	5.8	0.3%	80-85	102.5	5.9%	140-145	31.6	1.8%
25-30	8.6	0.5%	85-90	90.0	5.2%	145-150	23.1	1.3%
30-35	12.1	0.7%	90-95	81.4	4.7%	150-155	15.2	0.9%
35-40	21.7	1.3%	95-100	77.1	4.5%	155-160	9.1	0.5%
40-45	42.0	2.4%	100-105	74.9	4.3%	160-165	4.9	0.3%
45-50	70.6	4.1%	105-110	73.3	4.2%	165-170	2.3	0.1%
50-55	92.4	5.3%	110-115	71.0	4.1%	170-175	0.8	0.0%
55-60	97.2	5.6%	115-120	66.6	3.9%	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)	10.1	0.6%
FM	(30-60)	168.0	9.7%
FH	(60-80)	225.5	13.0%
FVH	(80-90)	96.3	5.6%
BL	(0-30)	10.1	0.6%
BM	(30-60)	168.0	9.7%
BH	(60-80)	225.5	13.0%
BVH	(80-90)	96.3	5.6%
UL	(90-100)	158.5	9.2%
UH	(100-180)	569.8	33.0%
Total		1728.1	100.0%
BUG Rating	B1 U4 G1		