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Photometric Test Report

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

Prepared For
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Catalog Number
DTDHOLED70

Order Number
10638038
Test Number
860518

Test Date

2015-01-12

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The results contained in this report pertain only to the tested sample.
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DLC Results Summary

Technical Requirements v2.1

Outdoor Pole / Arm-Mounted Area and Roadway Luminaires		
Requirement Category	Requirement	Test Results
Minimum Light Output	≥900 Lumens	6545 Lumens
Minimum Lamp Output	N/A	N/A
Spacing Criteria (0-180°)	N/A	N/A
Spacing Criteria (90-270°)	N/A	N/A
Zonal Lumen Requirement (0-90°)	≥99%	99.9%
Zonal Lumen Requirement (80-90°)	≤13%	0.00044%
Minimum Luminaire Efficacy	≥67.9 lm/w	99.3 lm/w
Minimum Lamp Efficacy	N/A	N/A
Allowable CCTs*	≤5700 K	N/A
Minimum CRI	≥63	N/A
L70 Lumen maintenance	50000 Hours	TM-21 must be completed
Minimum Luminaire Warranty	5 Years	N/A
Power Factor 120 / 277	≥0.87	N/A
Total Harmonic Distortion (A-%)	≤25%	N/A

*Defined by ANSI C78.377-2011‡

‡ANSI C78.377-2011 also referred to for Duv and (x,y) chromaticity coordinates tolerances for indoor categories

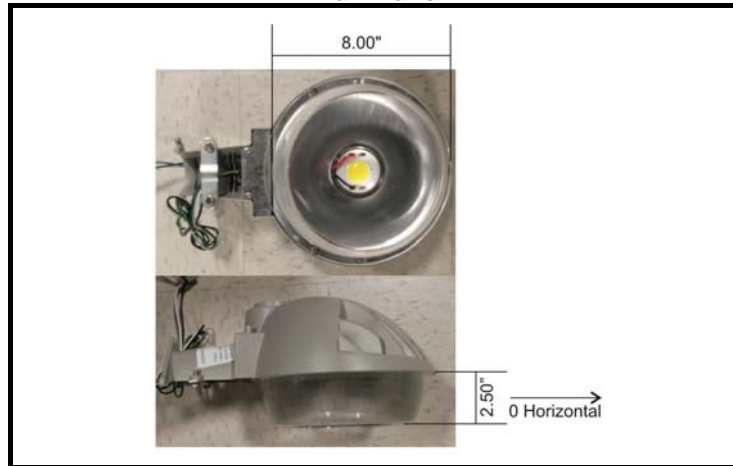
Laboratory results may not be representative of field performance
Ballast factors have not been applied

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



Luminaire Description: Cast aluminum housing, specular aluminum reflector, plastic optic over LED with diffusive outer section
Lamp: One white LED
Mounting: Pole
Ballast/Driver: One High Perfection Tech LP1056-36-C1600-010V

Luminaire



Luminaire Characteristics

Luminous Diameter: 8.00 in.
Luminous Height: 2.500 in.

Summary of Results

Distribution

Roadway Classification: Type V, Very Short
Cutoff Classification: Cutoff
BUG Rating: B3 U1 G0

Electrical Data at 120 VAC

Test Temperature: 25.1 °C
Voltage: 120.0 VAC
Current: 0.5530 A
Power: 65.91 W
Power Factor: 0.993
Frequency: 60 Hz
Current THD: 10.1 %



Distribution - Goniophotometer

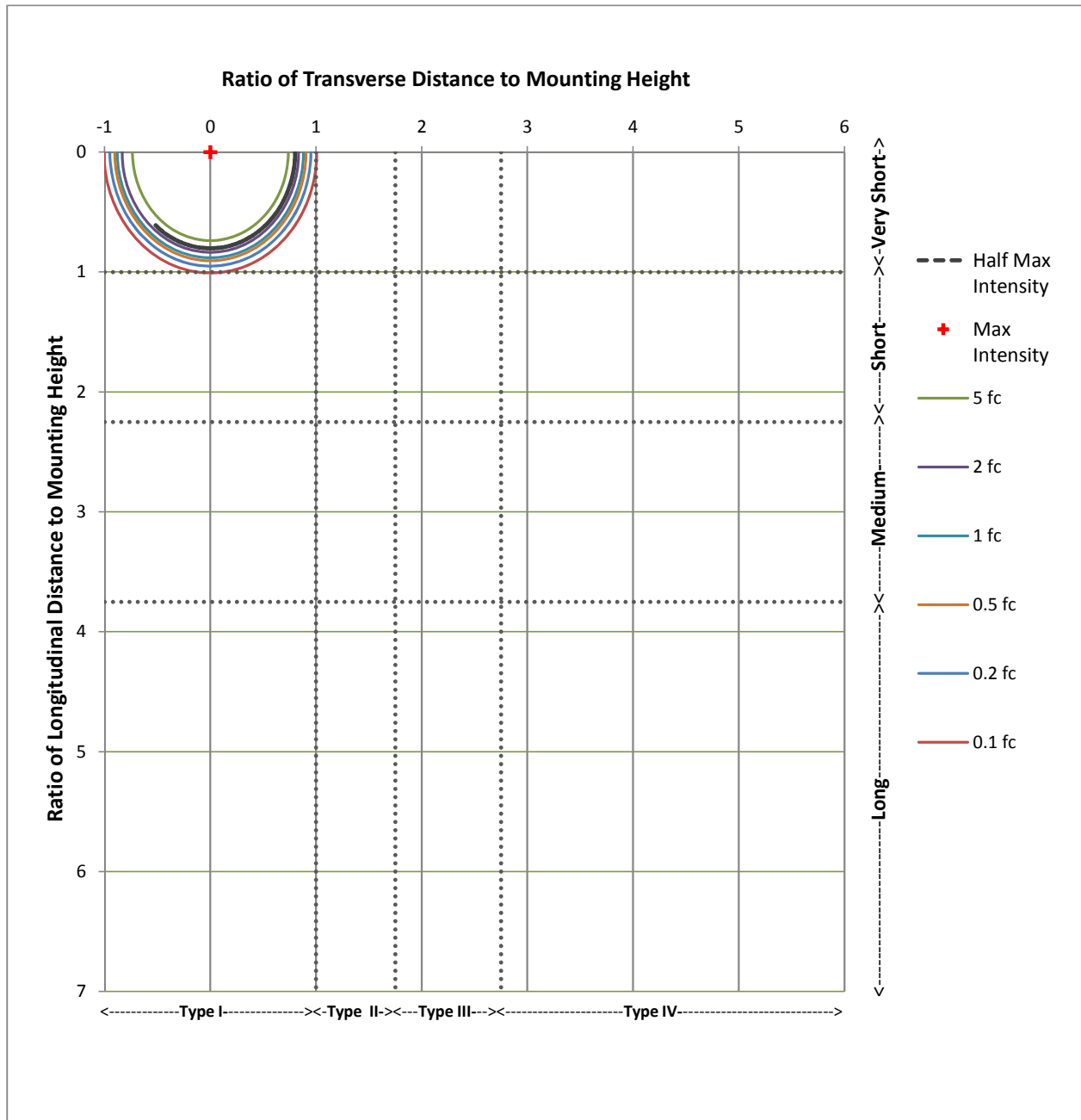
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.5530 A	65.91 W	0.993	60 Hz	10.9 %

Summary of Results

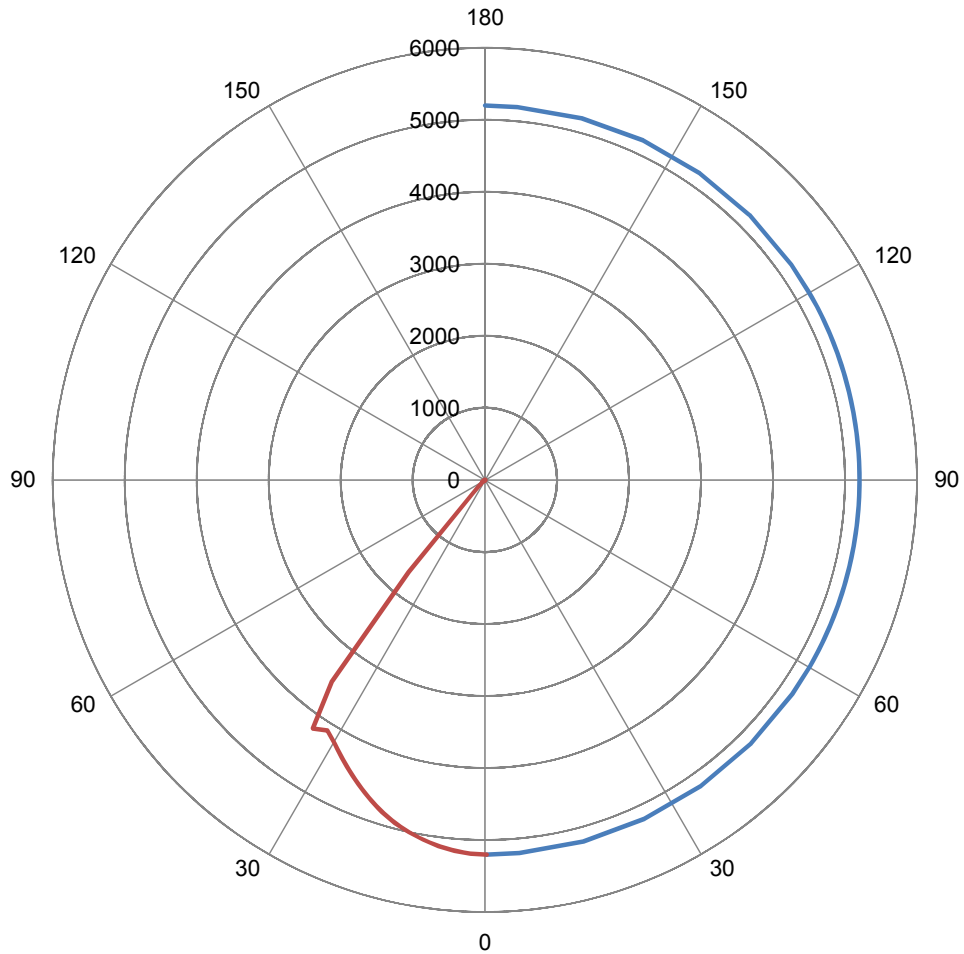
IES Roadway Classification	Type V, Very Short	Total Lumen Output:	6545 Lumens
Cutoff Classification	Cutoff	Luminaire Efficacy:	99.3 lm/w
BUG Rating:	B3 U1 G0	Maximum Candela:	5201 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

0 ° Vertical

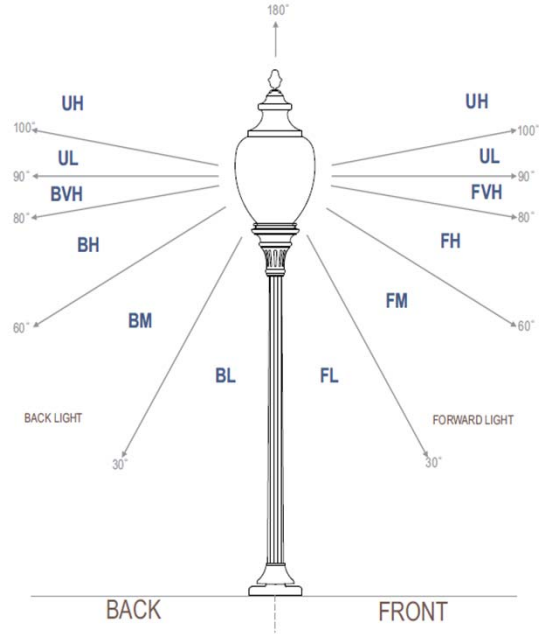
Maximum Intensity (Candlepower): 5200.9 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	131.6	2.0%	60-65	15.1	0.2%	120-125	0.3	0.0%
5-10	365.5	5.6%	65-70	9.0	0.1%	125-130	0.5	0.0%
10-15	591.9	9.0%	70-75	5.0	0.1%	130-135	0.8	0.0%
15-20	793.4	12.1%	75-80	2.9	0.0%	135-140	1.0	0.0%
20-25	961.4	14.7%	80-85	1.8	0.0%	140-145	1.2	0.0%
25-30	1096.4	16.8%	85-90	1.1	0.0%	145-150	1.0	0.0%
30-35	1223.7	18.7%	90-95	0.7	0.0%	150-155	0.0	0.0%
35-40	1061.8	16.2%	95-100	0.5	0.0%	155-160	0.0	0.0%
40-45	207.4	3.2%	100-105	0.6	0.0%	160-165	0.0	0.0%
45-50	35.8	0.5%	105-110	0.2	0.0%	165-170	0.0	0.0%
50-55	16.3	0.2%	110-115	0.1	0.0%	170-175	0.0	0.0%
55-60	18.0	0.3%	115-120	0.2	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)	1970.0	30.1%
FM	(30-60)	1281.4	19.6%
FH	(60-80)	16.0	0.2%
FVH	(80-90)	1.5	0.0%
BL	(0-30)	1970.0	30.1%
BM	(30-60)	1281.4	19.6%
BH	(60-80)	16.0	0.2%
BVH	(80-90)	1.5	0.0%
UL	(90-100)	1.2	0.0%
UH	(100-180)	5.9	0.1%
Total		6544.9	100.0%
BUG Rating	B3 U1 G0		