



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Outdoor Distribution Test Report

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

Prepared For
Eye Lighting International of North America

9150 Hendricks Rd
Mentor, OH 44060-2146
United States

Catalog Number
GJS-L10-840-120-MOG (lamp only)

Order Number
11938073
Test Number
11938073.12A

Test Date

2017-09-13

Revised: 2018-2-28

Prepared By

Dane Hernandez-Adams, Technician

Approved By

Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Lamp Description: Clear glass lens enclosure, mogul base
Lamp: 936 white LED
Mounting: Post
Ballast/Driver: One Magnachip MAP9000 driver

Lamp



Lamp Characteristics

Luminous Diameter: 4.00 in.
Luminous Height: 8.000 in.

Summary of Results

Roadway Classification: Type V, Very Long
Cutoff Classification: Noncutoff
BUG Rating: B3 U5 G4

Test Conditions

Test Temperature: 25.5 °C
Voltage: 120.0 VAC
Current: 0.6447 A
Power: 76.30 W
Power Factor: 0.986
Frequency: 60 Hz
Current THD: 15.8 %

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

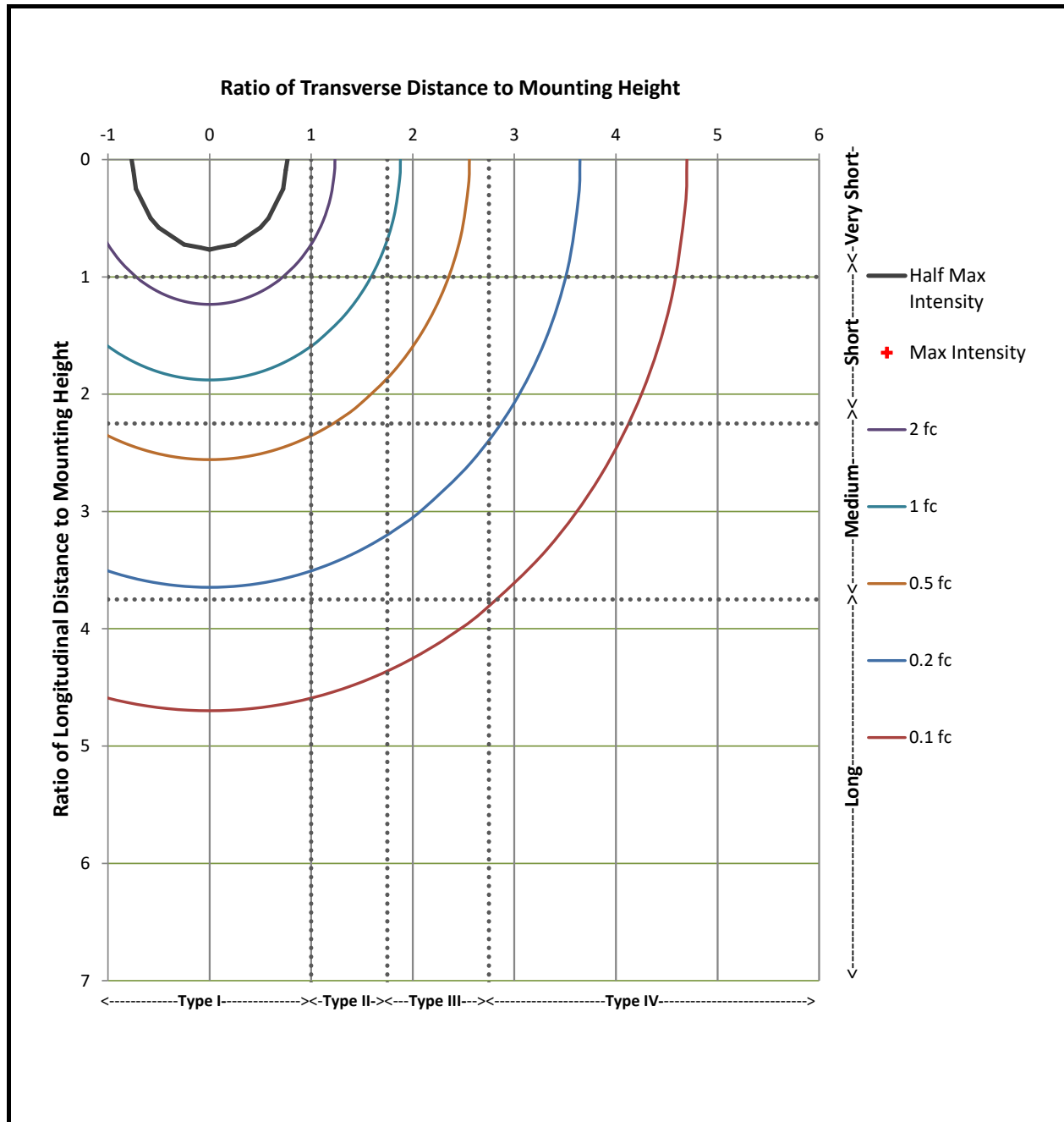
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.0 VAC	0.6447 A	76.30 W	0.986	60 Hz	15.8 %

Summary of Results

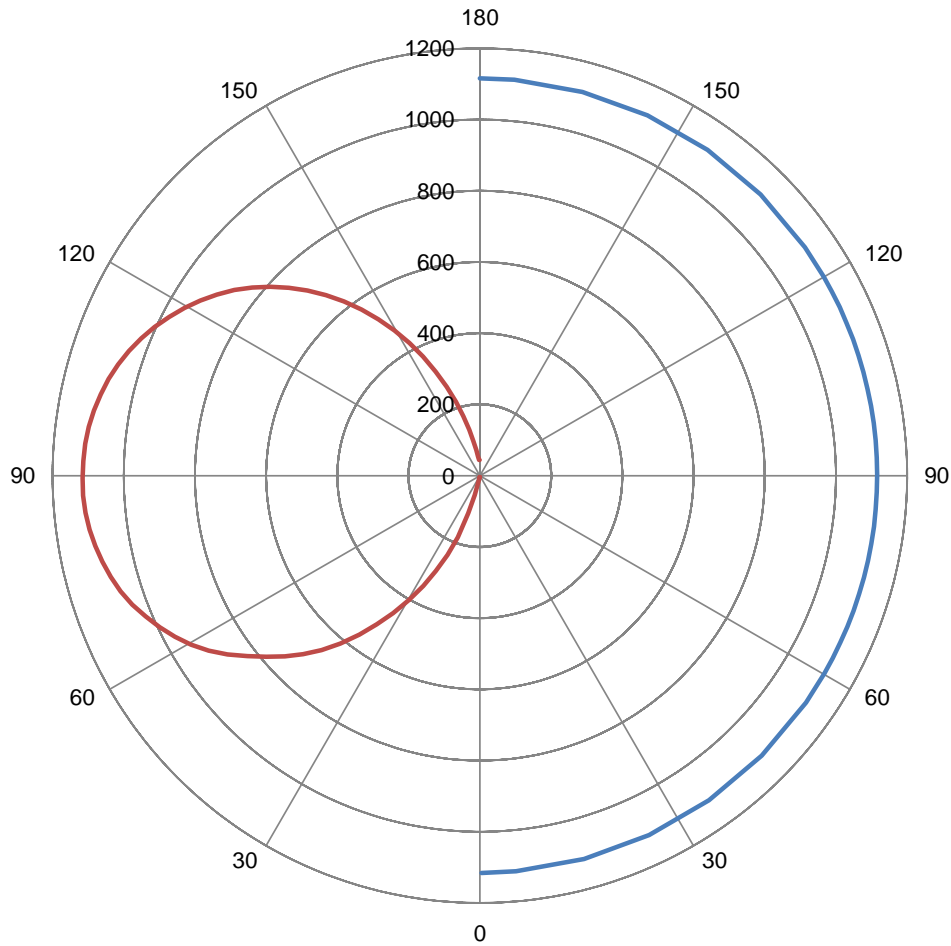
IES Roadway Classification:	Type V, Very Long	Total Lumen Output:	10470 Lumens
Cutoff Classification	Noncutoff	Luminaire Efficacy:	137.2 lm/w
BUG Rating:	B3 U5 G4	Maximum Candela:	1116 Candela

ISO FootCandle Plot at 10 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

87.5 ° Vertical

Maximum Intensity (Candlepower):

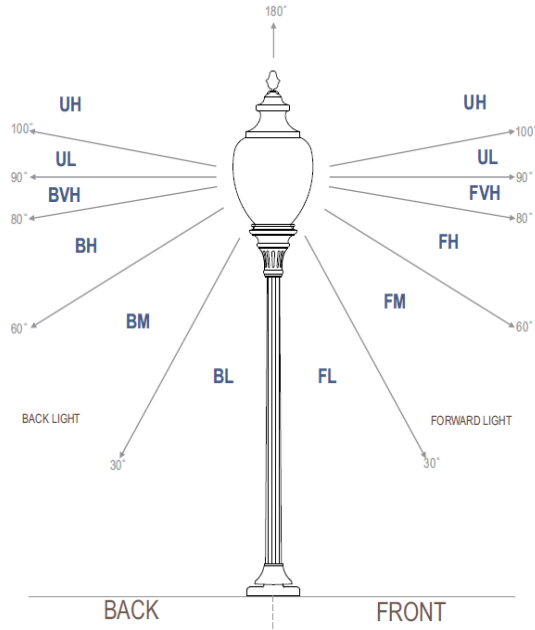
1116 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.1	0.0%	60-65	470.6	4.5%	120-125	428.1	4.1%
5-10	0.3	0.0%	65-70	515.6	4.9%	125-130	375.8	3.6%
10-15	2.7	0.0%	70-75	553.4	5.3%	130-135	320.0	3.1%
15-20	19.7	0.2%	75-80	581.5	5.6%	135-140	263.2	2.5%
20-25	50.9	0.5%	80-85	600.9	5.7%	140-145	207.3	2.0%
25-30	88.7	0.8%	85-90	610.5	5.8%	145-150	154.5	1.5%
30-35	134.7	1.3%	90-95	610.0	5.8%	150-155	107.3	1.0%
35-40	187.4	1.8%	95-100	600.9	5.7%	155-160	67.3	0.6%
40-45	244.9	2.3%	100-105	582.5	5.6%	160-165	36.6	0.3%
45-50	301.8	2.9%	105-110	555.1	5.3%	165-170	16.4	0.2%
50-55	359.9	3.4%	110-115	519.3	5.0%	170-175	5.6	0.1%
55-60	418.6	4.0%	115-120	476.3	4.5%	175-180	1.2	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)	81.2	0.8%
FM	(30-60)	823.6	7.9%
FH	(60-80)	1060.5	10.1%
FVH	(80-90)	605.7	5.8%
BL	(0-30)	81.2	0.8%
BM	(30-60)	823.6	7.9%
BH	(60-80)	1060.5	10.1%
BVH	(80-90)	605.7	5.8%
UL	(90-100)	1210.9	11.6%
UH	(100-180)	4116.5	39.3%
Total		10469.5	100.0%
BUG Rating	B3 U5 G4		