



UL Verification Services Inc.  
7036 Snowdrift Road  
Allentown, PA 18106  
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## 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-L6-840-120-MOG**

Order Number  
11938073  
Test Number  
11938073.10

Test Date

2017-09-13

Prepared By

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Approved By

Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.  
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**Lamp Description:** Black formed aluminum housing, clear patterned lens enclosure  
**Lamp:** 390 white LED  
**Mounting:** Post  
**Ballast/Driver:** One Magnachip MAP9000 driver

**Lamp**



**Lamp Characteristics**

Luminous Diameter: 15.00 in.  
Luminous Height: 24.00 in.

**Summary of Results**

Roadway Classification: Type V, Very Long  
Cutoff Classification: Noncutoff  
BUG Rating: B2 U5 G3

**Test Conditions**

Test Temperature: 25.2 °C  
Voltage: 120.0 VAC  
Current: 0.4106 A  
Power: 48.84 W  
Power Factor: 0.991  
Frequency: 60 Hz  
Current THD: 13.2 %

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

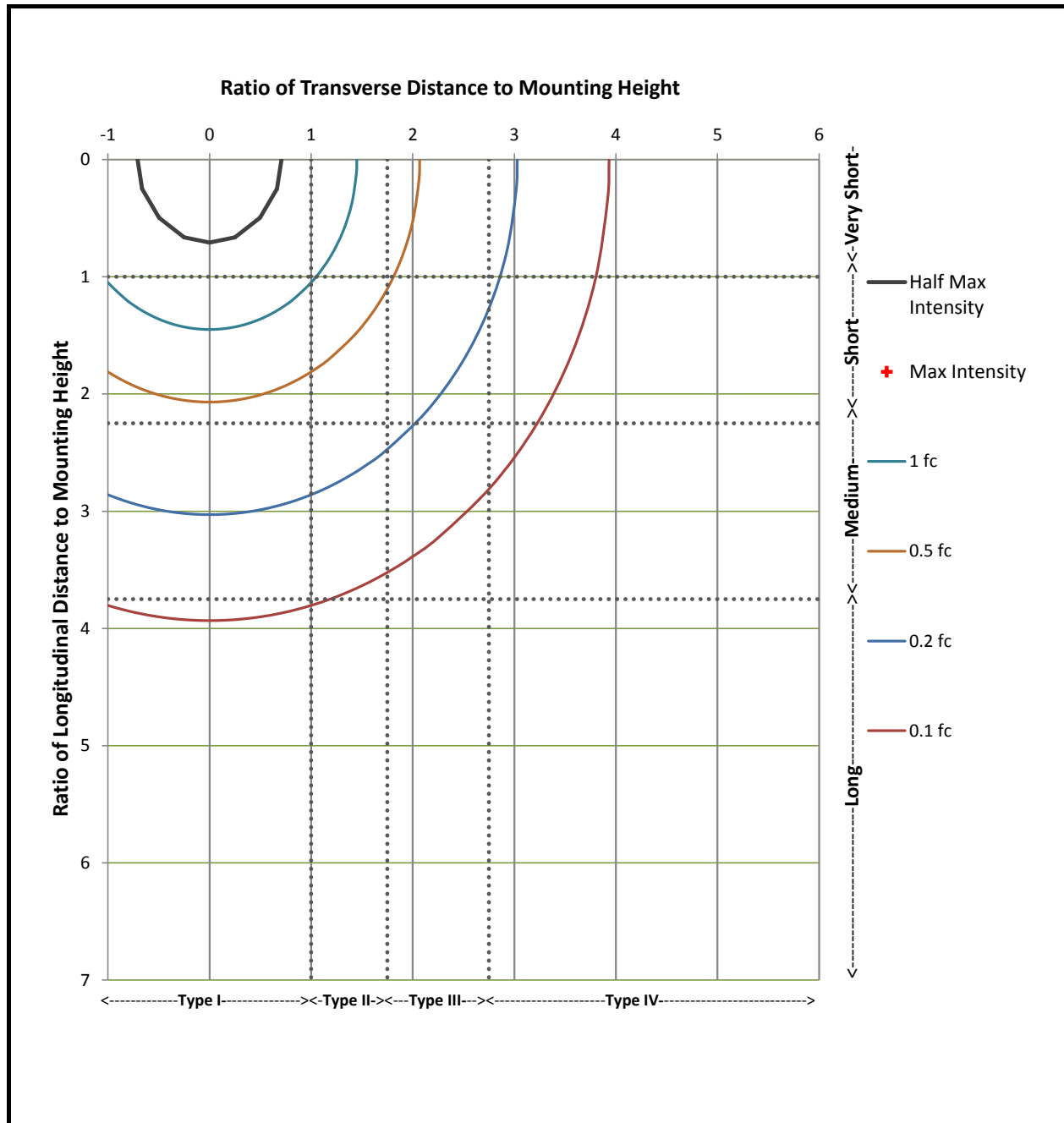
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.2 °C	120.0 VAC	0.4106 A	48.84 W	0.991	60 Hz	13.2 %

### Summary of Results

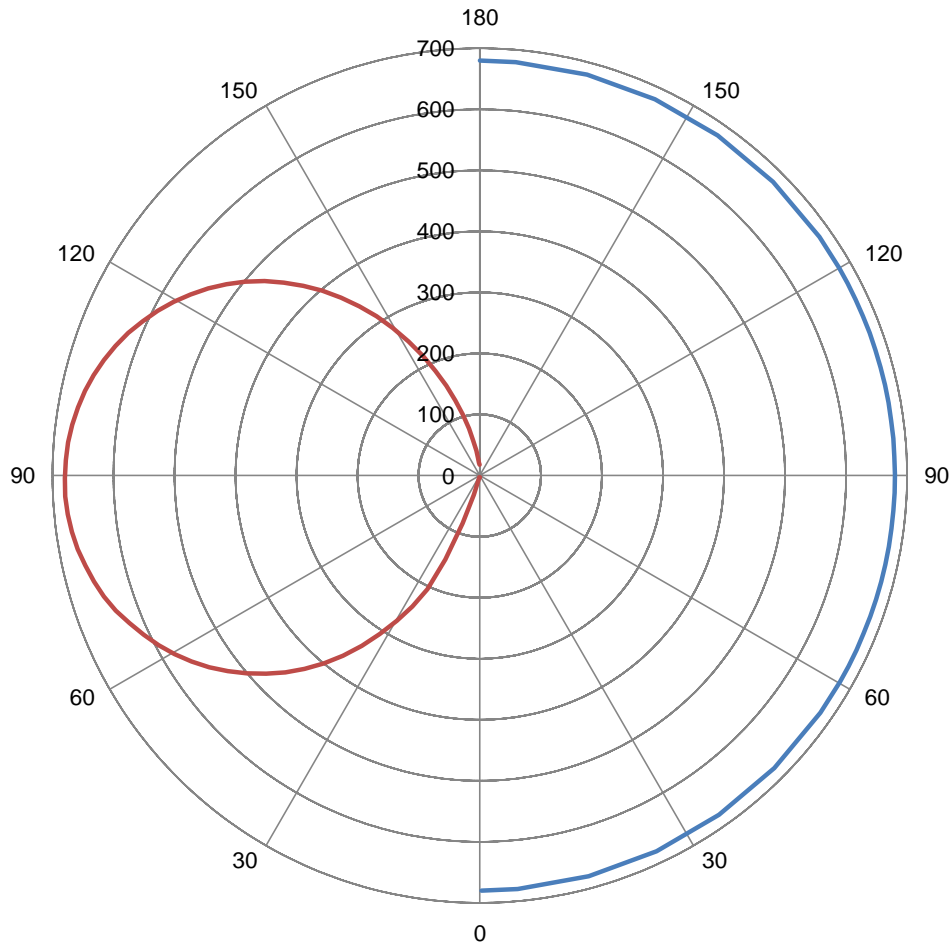
<b>IES Roadway Classification:</b>	Type V, Very Long	<b>Total Lumen Output:</b>	6405 Lumens
<b>Cutoff Classification</b>	Noncutoff	<b>Luminaire Efficacy:</b>	131.1 lm/w
<b>BUG Rating:</b>	B2 U5 G3	<b>Maximum Candela:</b>	680 Candela

### 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):**

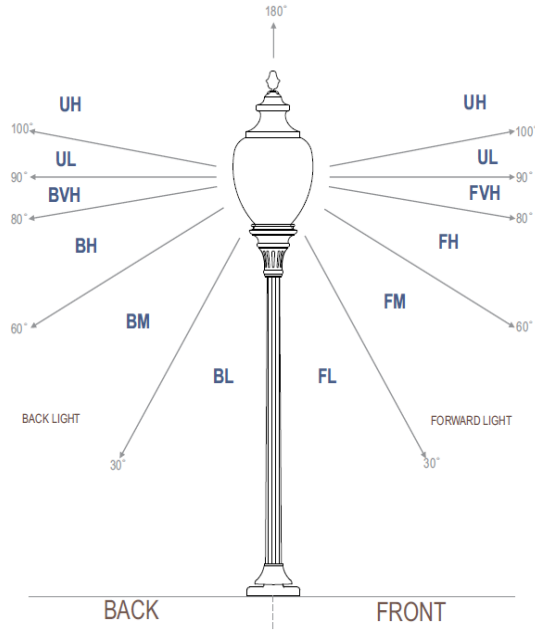
680 Candela

**Zonal Lumen Summary**

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.1	0.0%	60-65	289.2	4.5%	120-125	258.3	4.0%
5-10	0.2	0.0%	65-70	315.3	4.9%	125-130	226.2	3.5%
10-15	0.3	0.0%	70-75	337.8	5.3%	130-135	192.1	3.0%
15-20	6.8	0.1%	75-80	354.6	5.5%	135-140	157.4	2.5%
20-25	31.3	0.5%	80-85	366.4	5.7%	140-145	123.5	1.9%
25-30	61.2	1.0%	85-90	372.0	5.8%	145-150	91.8	1.4%
30-35	90.7	1.4%	90-95	371.5	5.8%	150-155	63.3	1.0%
35-40	123.7	1.9%	95-100	365.4	5.7%	155-160	39.5	0.6%
40-45	158.3	2.5%	100-105	353.6	5.5%	160-165	21.7	0.3%
45-50	193.0	3.0%	105-110	336.6	5.3%	165-170	9.7	0.2%
50-55	227.2	3.5%	110-115	314.5	4.9%	170-175	3.2	0.1%
55-60	259.7	4.1%	115-120	288.0	4.5%	175-180	0.6	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)	49.9	0.8%
FM	(30-60)	526.3	8.2%
FH	(60-80)	648.4	10.1%
FVH	(80-90)	369.2	5.8%
BL	(0-30)	49.9	0.8%
BM	(30-60)	526.3	8.2%
BH	(60-80)	648.4	10.1%
BVH	(80-90)	369.2	5.8%
UL	(90-100)	736.9	11.5%
UH	(100-180)	2480.0	38.7%
<b>Total</b>		<b>6404.7</b>	<b>100.0%</b>
<b>BUG Rating</b>	<b>B2 U5 G3</b>		