



UL LLC
1075 W Lambert Rd Suite B
Brea, CA 92821

Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014

Prepared For
Express Imaging Systems LLC dba Evluma

Tara Holeman
3600 Lind Ave SW Suite 140
Renton, WA 98057
United States

Catalog Number
OMNI-100-5k-MO

Order Number
14201909
Test Number
14201909.01

Test Date

2022-02-10

Prepared By

William Escobar, Technician

Approved By

Yilmaz Yucelidag, 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.



Luminaire Description: Circular plastic house and diffuse lens
Lamp: Omnimax, 100W, 5000K CCT, Mogul Base
Mounting: Post

Luminaire



Luminaire Characteristics

Luminous Length: 3.50 in.
Luminous Width: 3.500 in.
Luminous Height: 1.50 in.

Summary of Results

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

Test Conditions

Test Temperature: 25.0 °C
Voltage: 120.0 VAC
Current: 0.8317 A
Power: 99.53 W
Power Factor: 0.997
Frequency: 60 Hz
Current THD: 7.00 %

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

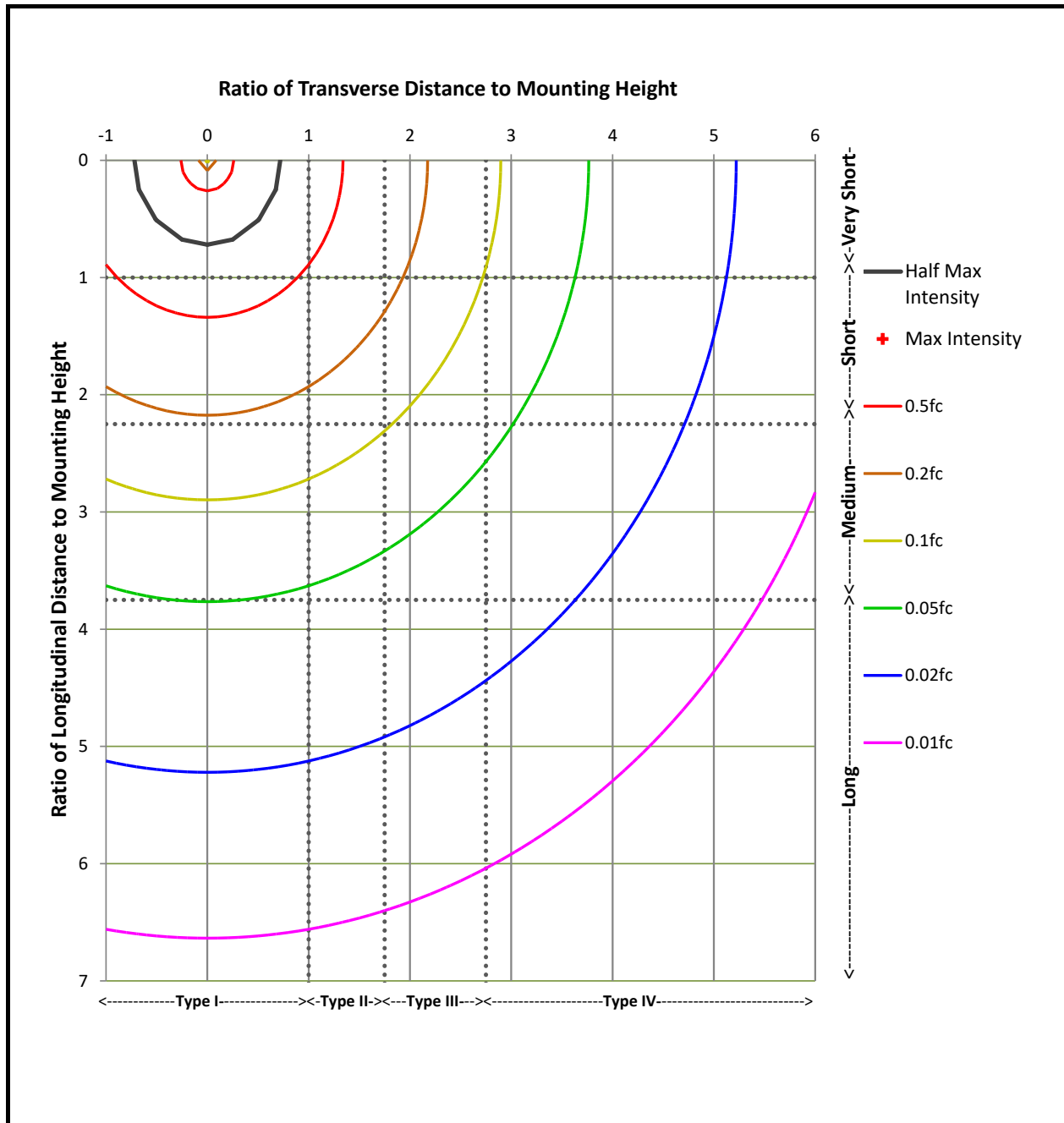
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.0 VAC	0.8317 A	99.53 W	0.997	60 Hz	7.00 %

Summary of Results

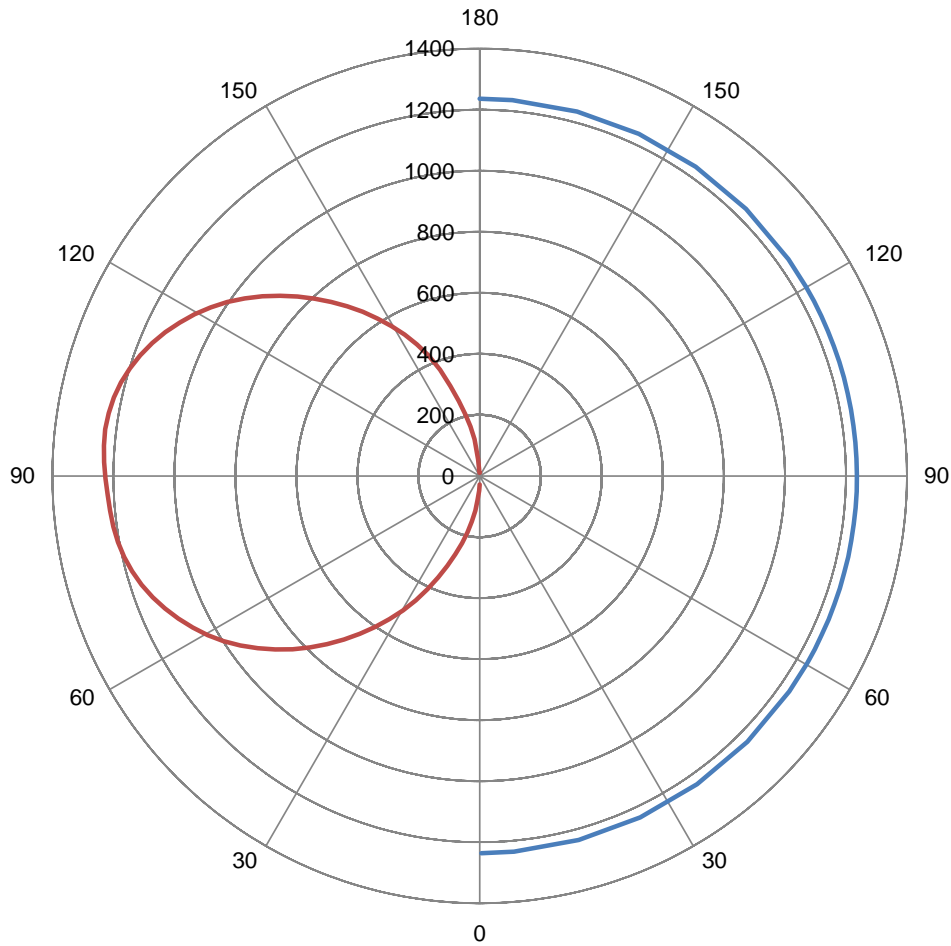
IES Roadway Classification:	Type V, Very Long	Total Lumen Output:	11809 Lumens
Cutoff Classification	Noncutoff	Luminaire Efficacy:	118.6 lm/w
BUG Rating:	B3 U5 G4	Maximum Candela:	1236 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

0 ° Lateral

Lateral Cone Through

97.5 ° Vertical

Maximum Intensity (Candlepower):

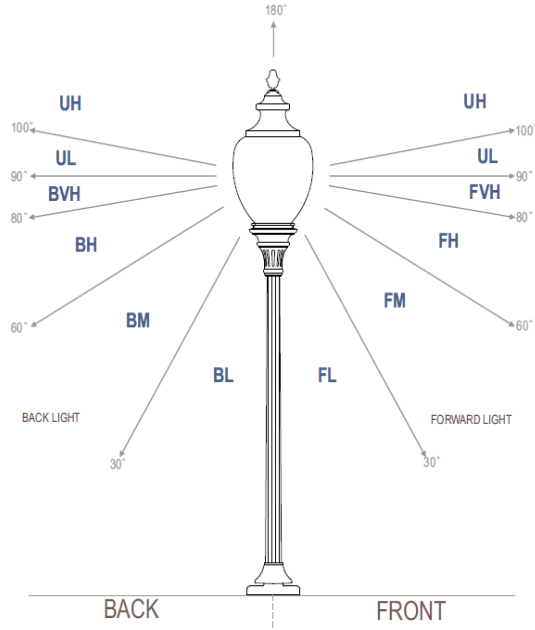
1236 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.6	0.0%	60-65	516.8	4.4%	120-125	480.7	4.1%
5-10	8.6	0.1%	65-70	566.3	4.8%	125-130	419.7	3.6%
10-15	22.9	0.2%	70-75	607.7	5.1%	130-135	356.3	3.0%
15-20	44.9	0.4%	75-80	638.6	5.4%	135-140	294.2	2.5%
20-25	76.0	0.6%	80-85	657.9	5.6%	140-145	235.5	2.0%
25-30	116.4	1.0%	85-90	668.5	5.7%	145-150	181.5	1.5%
30-35	163.8	1.4%	90-95	674.0	5.7%	150-155	133.0	1.1%
35-40	217.0	1.8%	95-100	671.0	5.7%	155-160	90.0	0.8%
40-45	275.7	2.3%	100-105	655.4	5.5%	160-165	52.0	0.4%
45-50	337.6	2.9%	105-110	626.3	5.3%	165-170	25.2	0.2%
50-55	400.4	3.4%	110-115	585.9	5.0%	170-175	8.9	0.1%
55-60	461.3	3.9%	115-120	536.6	4.5%	175-180	0.8	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)	135.2	1.1%
FM	(30-60)	927.8	7.9%
FH	(60-80)	1164.7	9.9%
FVH	(80-90)	663.2	5.6%
BL	(0-30)	135.2	1.1%
BM	(30-60)	927.8	7.9%
BH	(60-80)	1164.7	9.9%
BVH	(80-90)	663.2	5.6%
UL	(90-100)	1345.1	11.4%
UH	(100-180)	4681.9	39.6%
Total		11808.8	100.0%
BUG Rating		B3 U5 G4	