



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

Outdoor Distribution Test Report

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

Prepared For
Express Imaging Systems LLC dba Evluma
Blake Coudriet
3600 Lind Ave SW Suite 140
Renton, WA 98057
United States

Catalog Number
OMNIMAX 70W 3K CF8-NP OLS-1-A1-LD-8F
Order Number
12820891
Test Number
12820891.01A
Revised Date:
2020-02-26
Test Date
2019-04-26

Prepared By

Austin Duff, Technician

Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Patterened plastic lens, inner reflector, and black metal base
Lamp: White LED array
Lamp Catalog Number: OMNI-70-3K-ME
Mounting: Post
Ballast/Driver: Intergraded

Luminaire



Luminaire Characteristics

Luminous Diameter: 17.00 in.
Luminous Height: 18.00 in.

Summary of Results

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

Test Conditions

Test Temperature: 24.7 °C
Voltage: 120.1 VAC
Current: 0.5992 A
Power: 71.07 W
Power Factor: 0.988
Frequency: 60 Hz
Current THD: 15.6 %

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

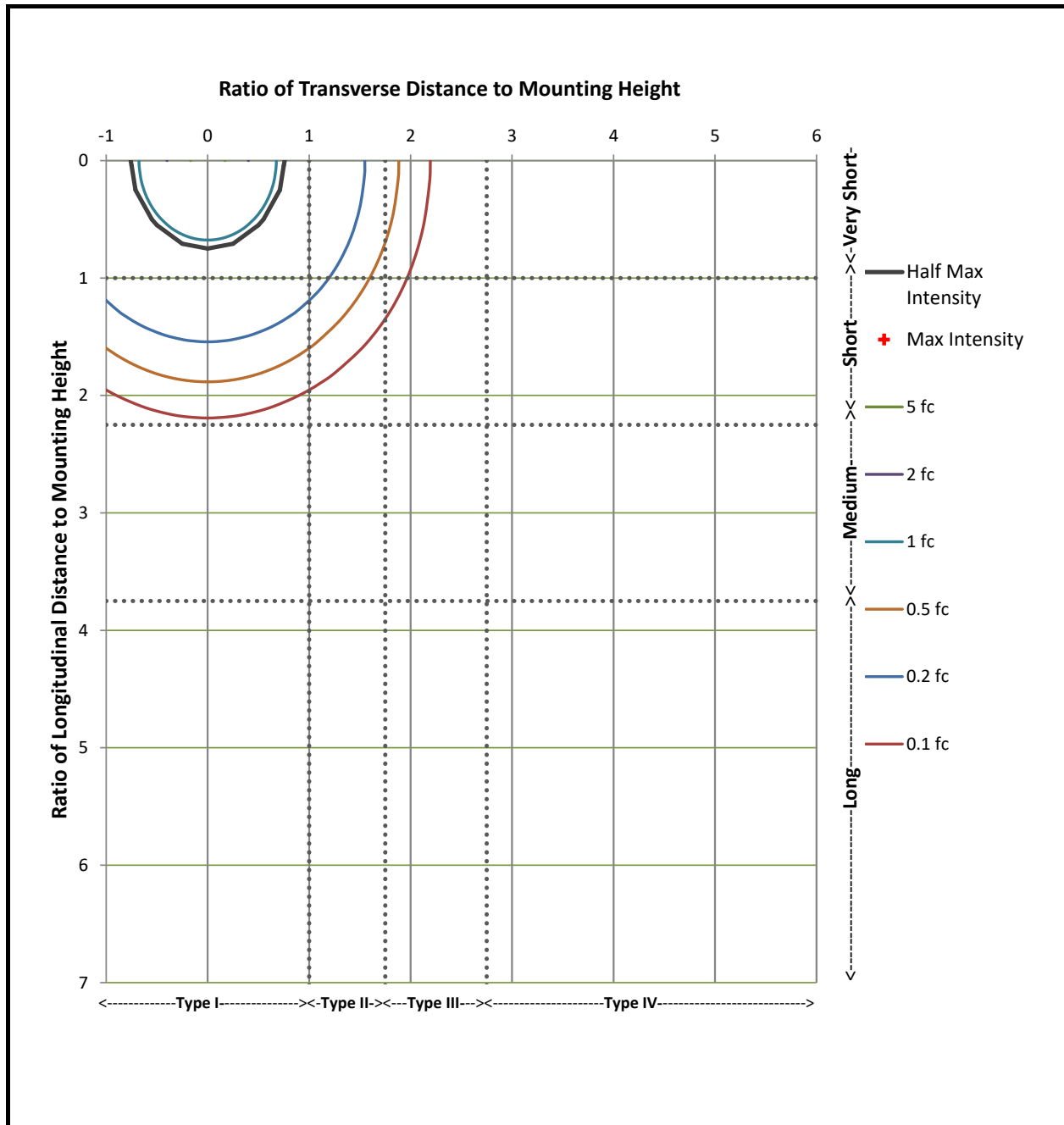
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.1 VAC	0.5992 A	71.07 W	0.988	60 Hz	15.6 %

Summary of Results

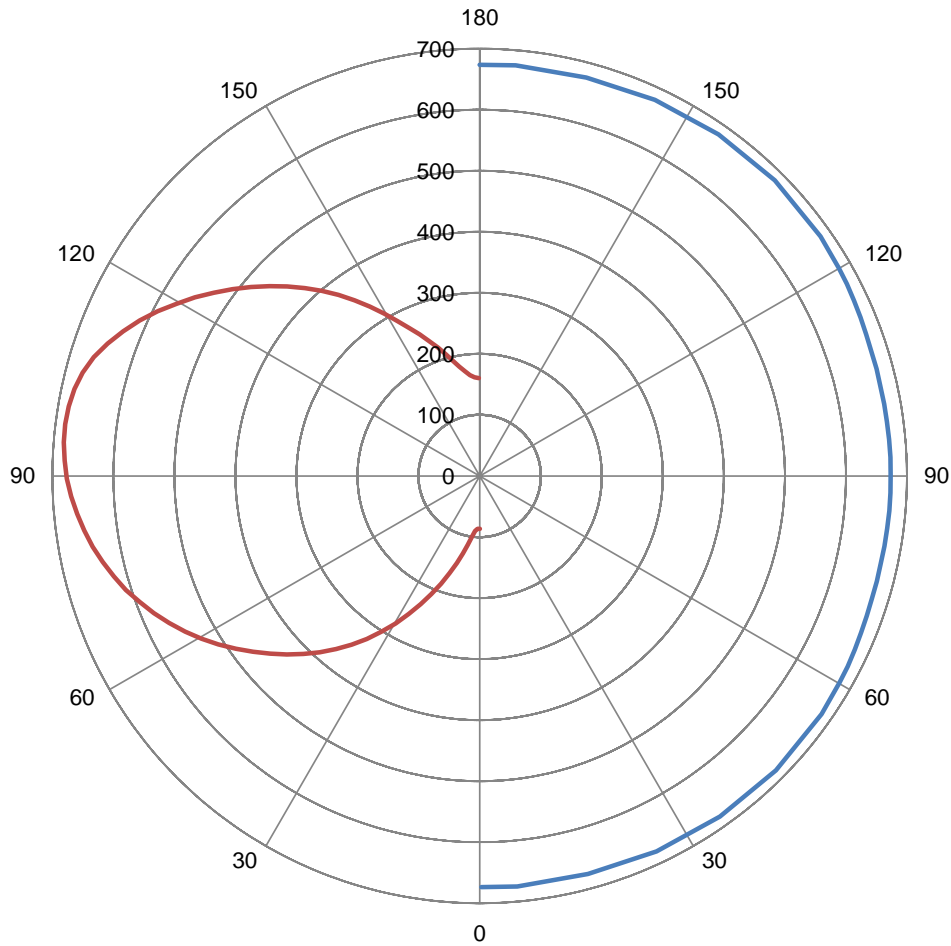
IES Roadway Classification: Type VS, Very Long	Total Lumen Output: 6319 Lumens
Cutoff Classification: Noncutoff	Luminaire Efficacy: 88.9 lm/w
BUG Rating: B2 U5 G3	Maximum Candela: 684 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

45 ° Lateral

Lateral Cone Through

97.5 ° Vertical

Maximum Intensity (Candlepower):

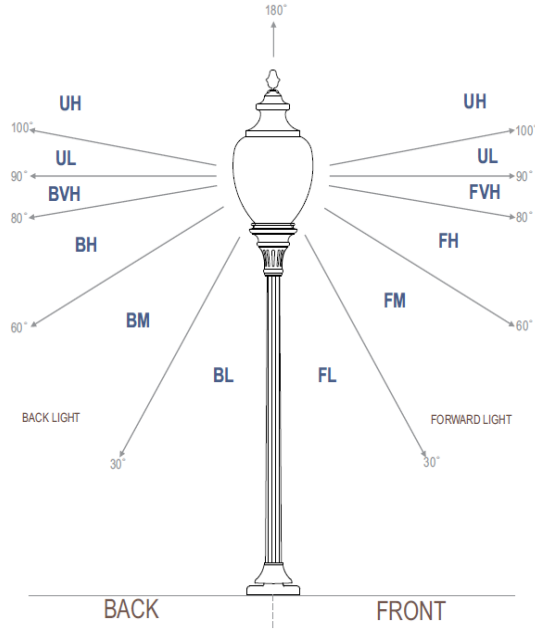
684 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	2.2	0.0%	60-65	263.3	4.2%	120-125	252.5	4.0%
5-10	7.4	0.1%	65-70	290.8	4.6%	125-130	219.4	3.5%
10-15	15.7	0.2%	70-75	315.5	5.0%	130-135	186.8	3.0%
15-20	27.7	0.4%	75-80	336.4	5.3%	135-140	155.2	2.5%
20-25	44.0	0.7%	80-85	352.7	5.6%	140-145	125.1	2.0%
25-30	64.4	1.0%	85-90	364.0	5.8%	145-150	97.1	1.5%
30-35	88.6	1.4%	90-95	369.3	5.8%	150-155	72.8	1.2%
35-40	115.2	1.8%	95-100	368.2	5.8%	155-160	52.9	0.8%
40-45	143.6	2.3%	100-105	359.5	5.7%	160-165	36.5	0.6%
45-50	173.0	2.7%	105-110	341.7	5.4%	165-170	23.1	0.4%
50-55	203.2	3.2%	110-115	315.7	5.0%	170-175	12.5	0.2%
55-60	233.6	3.7%	115-120	285.2	4.5%	175-180	4.2	0.1%



IES "BUG" Rating
 (Back Light, Uplight, Glare)
 Per IES TM-15-11



Luminaire Classification System (LCS)

LCS	Zone	Lumens	Luminaire %
FL	(0-30)	80.7	1.3%
FM	(30-60)	478.6	7.6%
FH	(60-80)	603.0	9.5%
FVH	(80-90)	358.3	5.7%
BL	(0-30)	80.7	1.3%
BM	(30-60)	478.6	7.6%
BH	(60-80)	603.0	9.5%
BVH	(80-90)	358.3	5.7%
UL	(90-100)	737.5	11.7%
UH	(100-180)	2540.4	40.2%
Total		6319.1	100.0%
BUG Rating		B2 U5 G3	