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Allentown, PA 18106
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Outdoor Distribution Test Report

Relevant Standards
IES LM-79-2008, IES LM-31-1995 (Withdrawn)
ANSI C82.77-2002

Prepared For
Leotek Electronics USA LLC
1955 Lundy Ave
San Jose, CA 95131
United States

Catalog Number
GCJ2-30J-MV-40K-2R-XX-070
Order Number
12844807
Test Number
12844807.15

Test Date

2019-08-29

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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Luminaire Description: Gray cast aluminum housing, plastic access panel, LED board with optics installed.

Lamp: 30 White LEDs

Mounting: Pole / Arm

Ballast/Driver: Philips XI075C070V105CNY2

Luminaire



Luminaire Characteristics

Luminous Length: 6.50 in.

Luminous Width: 9.000 in.

Summary of Results

Roadway Classification: Type II, Medium
BUG Rating: B2 U0 G2

Test Conditions

Test Temperature: 25.2 °C
Voltage: 120.0 VAC
Current: 0.3685 A
Power: 44.01 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 8.70 %

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	0.3685 A	44.01 W	0.995	60 Hz	8.70 %

Summary of Results

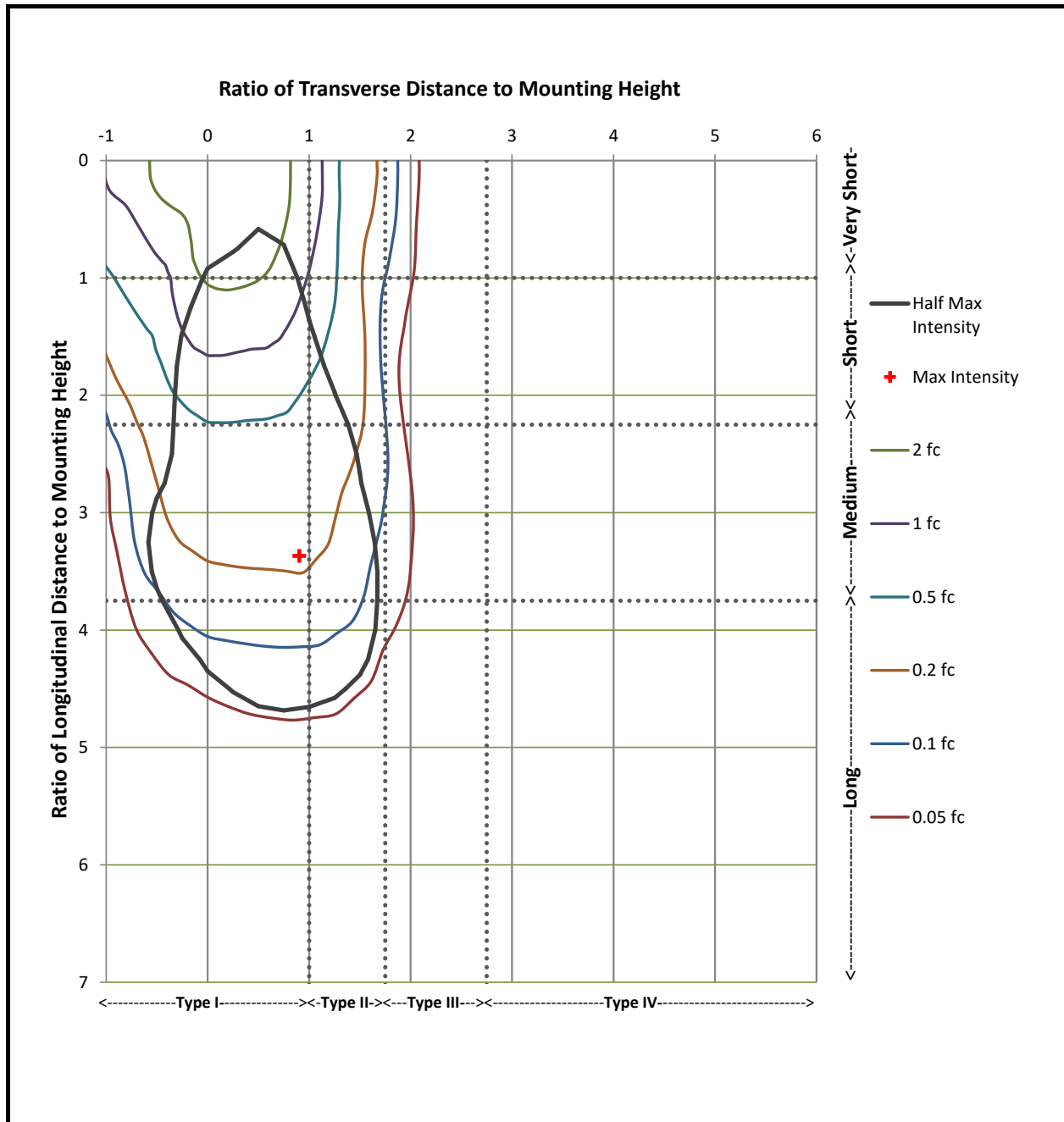
IES Roadway Classification:
BUG Rating:

Type II, Medium
B2 U0 G2

Total Lumen Output:
Luminaire Efficacy:
Maximum Candela:

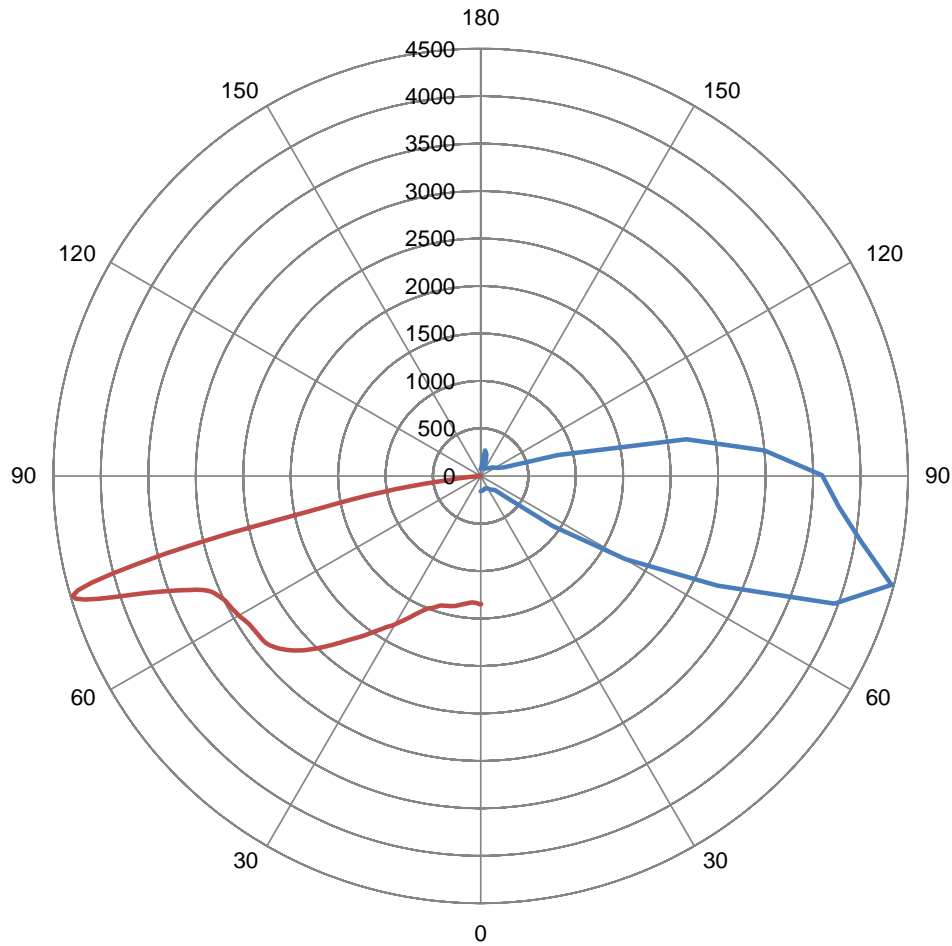
7008 Lumens
159.2 lm/w
4477 Candela

ISO FootCandle Plot at 20 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

75 ° Lateral

Lateral Cone Through

74 ° Vertical

Maximum Intensity (Candlepower):

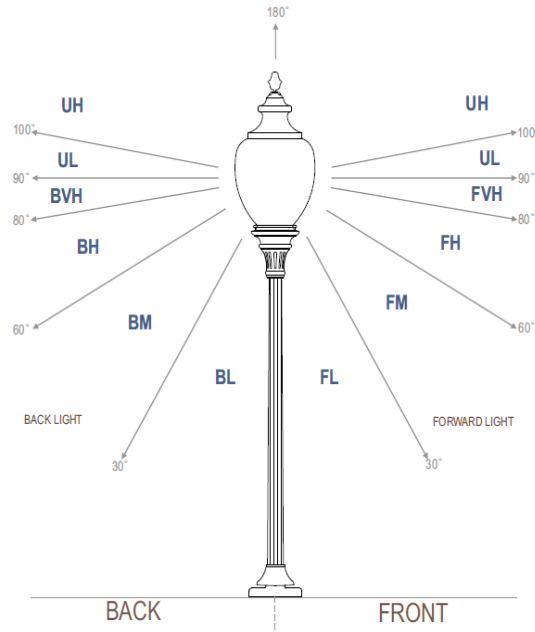
4477 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	32.3	0.5%	60-65	627.8	9.0%	120-125	0.0	0.0%
5-10	98.3	1.4%	65-70	530.3	7.6%	125-130	0.0	0.0%
10-15	166.7	2.4%	70-75	522.7	7.5%	130-135	0.0	0.0%
15-20	232.7	3.3%	75-80	299.9	4.3%	135-140	0.0	0.0%
20-25	300.6	4.3%	80-85	60.2	0.9%	140-145	0.0	0.0%
25-30	376.5	5.4%	85-90	6.7	0.1%	145-150	0.0	0.0%
30-35	453.1	6.5%	90-95	0.0	0.0%	150-155	0.0	0.0%
35-40	533.2	7.6%	95-100	0.0	0.0%	155-160	0.0	0.0%
40-45	620.0	8.8%	100-105	0.0	0.0%	160-165	0.0	0.0%
45-50	699.9	10.0%	105-110	0.0	0.0%	165-170	0.0	0.0%
50-55	734.0	10.5%	110-115	0.0	0.0%	170-175	0.0	0.0%
55-60	713.0	10.2%	115-120	0.0	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)	621.4	8.9%
FM	(30-60)	2316.6	33.1%
FH	(60-80)	1336.9	19.1%
FVH	(80-90)	52.0	0.7%
BL	(0-30)	585.9	8.4%
BM	(30-60)	1436.5	20.5%
BH	(60-80)	643.7	9.2%
BVH	(80-90)	14.8	0.2%
UL	(90-100)	0.0	0.0%
UH	(100-180)	0.0	0.0%
Total		7007.7	100.0%
BUG Rating	B2 U0 G2		