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Outdoor Distribution Report

Prepared For

SPJ LIGHTING Inc.

ARCHITECTURAL LANDSCAPE & OUTDOOR LIGHTING

Catalog Number
A42-SM (2700K)

Order Number

13748404

Test Number

13748404.01

Report Date

2021-03-31

Prepared By

A handwritten signature in black ink, appearing to read 'Austin Duff'.

Austin Duff, Technician

Approved By

A handwritten signature in black ink, appearing to read 'Eric M. Gaudreau'.

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.
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Luminaire Description: White decorative housing and clear glass lens
Lamp: 14 LEDs
Mounting: Bollard
Ballast/Driver: FORZLUX PS14-350C-DUALDIM-UNV-P
Note: This report was generated using data from test report 13547756.05, and has a isofootcandle plot at a different mounting height

Luminaire



Luminaire Characteristics

Luminous Length: 5.00 in.
Luminous Width: 5.000 in.
Luminous Height: 7.00 in.

Summary of Results

Roadway Classification: Type VS, Very Short
Cutoff Classification: Semicutoff
BUG Rating: B0 U3 G1

Test Conditions

Test Temperature: 24.8 °C
Voltage: 120.1 VAC
Current: 0.1036 A
Power: 12.14 W
Power Factor: 0.976
Frequency: 60 Hz
Current THD: 14.5 %

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

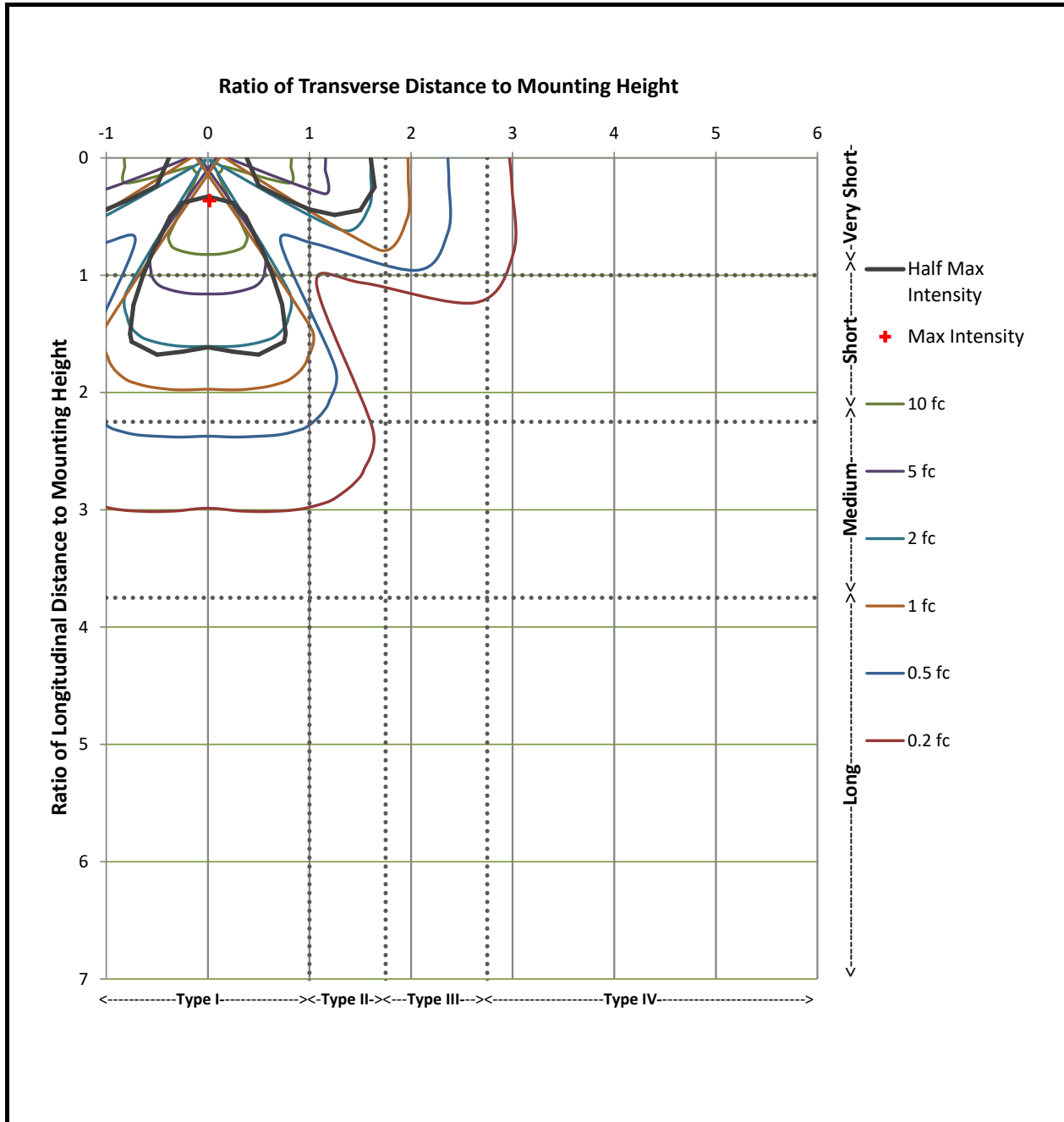
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.1036 A	12.14 W	0.976	60 Hz	14.5 %

Summary of Results

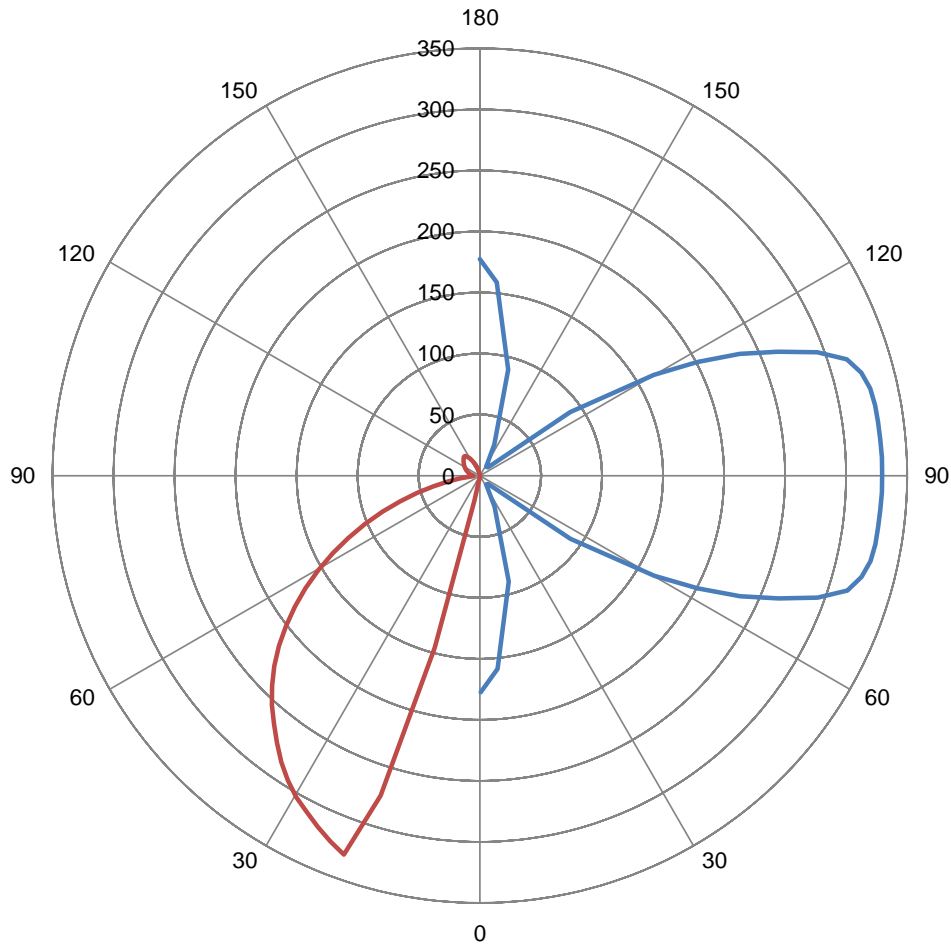
IES Roadway Classification: Type VS, Very Short	Total Lumen Output: 790 Lumens
Cutoff Classification: Semicutoff	Luminaire Efficacy: 65.0 lm/w
BUG Rating: B0 U3 G1	Maximum Candela: 330 Candela

ISO FootCandle Plot at 3.5 Feet





Maximum Plane and Cone Plots of Candela



Vertical Plane Through

87.5 ° Lateral

Lateral Cone Through

20 ° Vertical

Maximum Intensity (Candlepower):

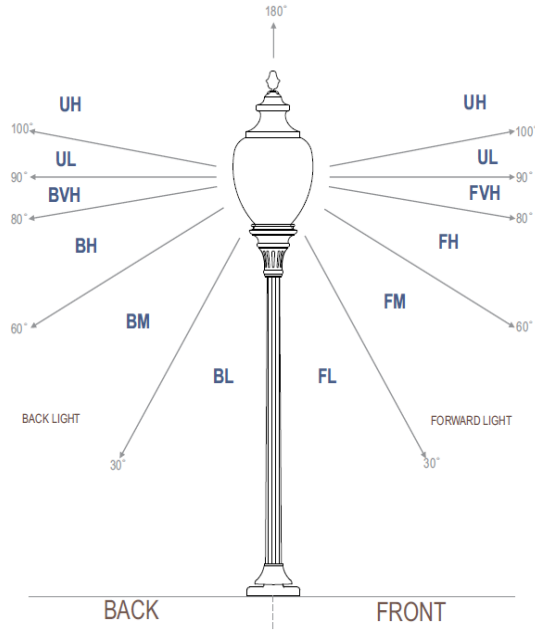
330 Candela

Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.0	0.0%	60-65	52.3	6.6%	120-125	9.2	1.2%
5-10	0.3	0.0%	65-70	42.3	5.4%	125-130	8.8	1.1%
10-15	1.9	0.2%	70-75	31.8	4.0%	130-135	8.3	1.0%
15-20	15.1	1.9%	75-80	22.0	2.8%	135-140	7.7	1.0%
20-25	38.7	4.9%	80-85	14.4	1.8%	140-145	6.6	0.8%
25-30	54.4	6.9%	85-90	10.3	1.3%	145-150	5.2	0.7%
30-35	61.9	7.8%	90-95	10.1	1.3%	150-155	3.8	0.5%
35-40	66.1	8.4%	95-100	10.6	1.3%	155-160	2.4	0.3%
40-45	68.6	8.7%	100-105	10.6	1.3%	160-165	1.3	0.2%
45-50	68.7	8.7%	105-110	10.4	1.3%	165-170	0.5	0.1%
50-55	65.7	8.3%	110-115	10.0	1.3%	170-175	0.1	0.0%
55-60	60.1	7.6%	115-120	9.6	1.2%	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)	55.2	7.0%
FM	(30-60)	195.5	24.8%
FH	(60-80)	74.2	9.4%
FVH	(80-90)	12.3	1.6%
BL	(0-30)	55.2	7.0%
BM	(30-60)	195.5	24.8%
BH	(60-80)	74.2	9.4%
BVH	(80-90)	12.3	1.6%
UL	(90-100)	20.7	2.6%
UH	(100-180)	94.6	12.0%
Total		789.7	100.0%
BUG Rating	B0 U3 G1		