

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P459109

Luminaire Tested: **GALN-SA6A-735-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-735-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25217 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

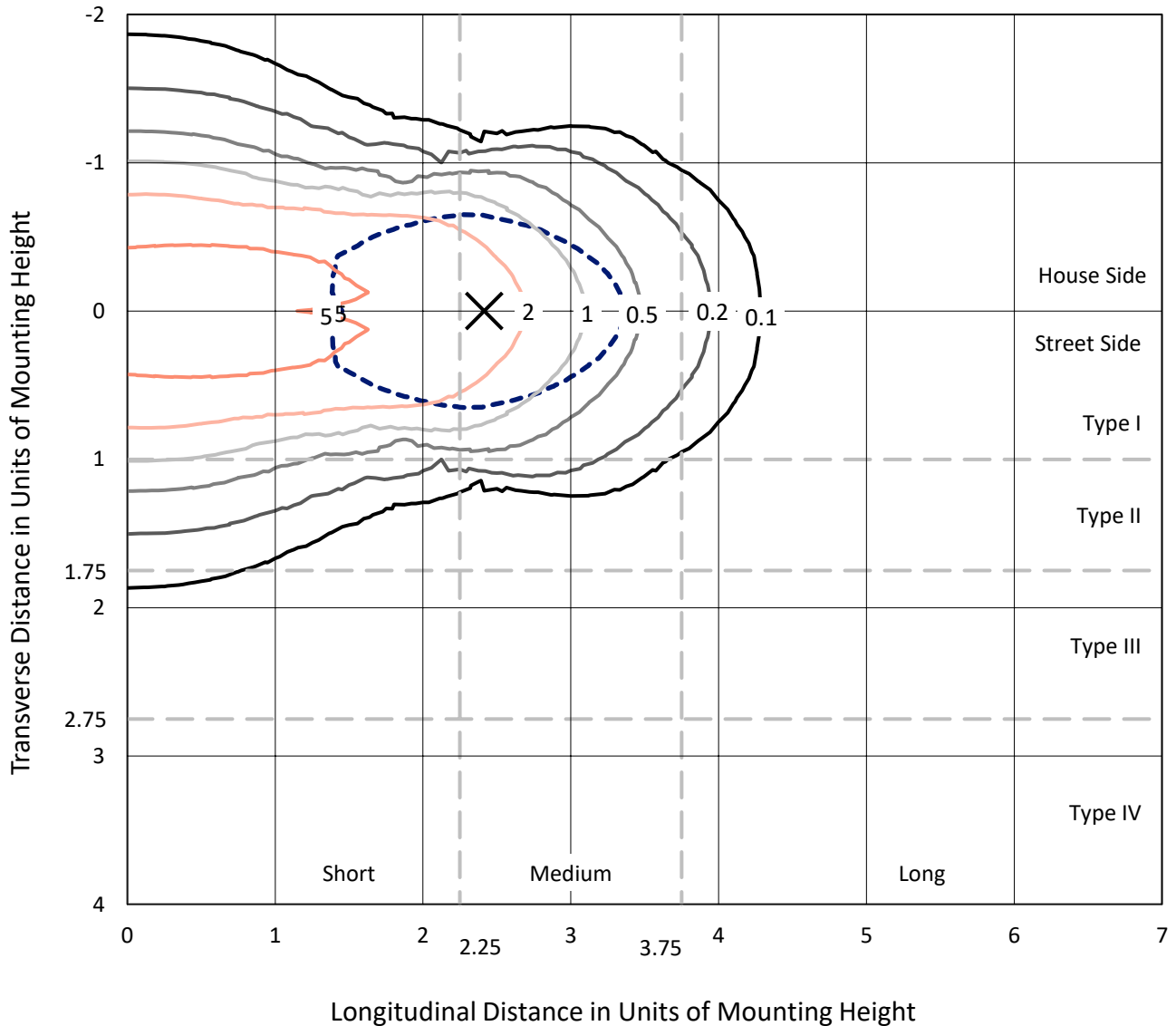
Input Watts (W): 182
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

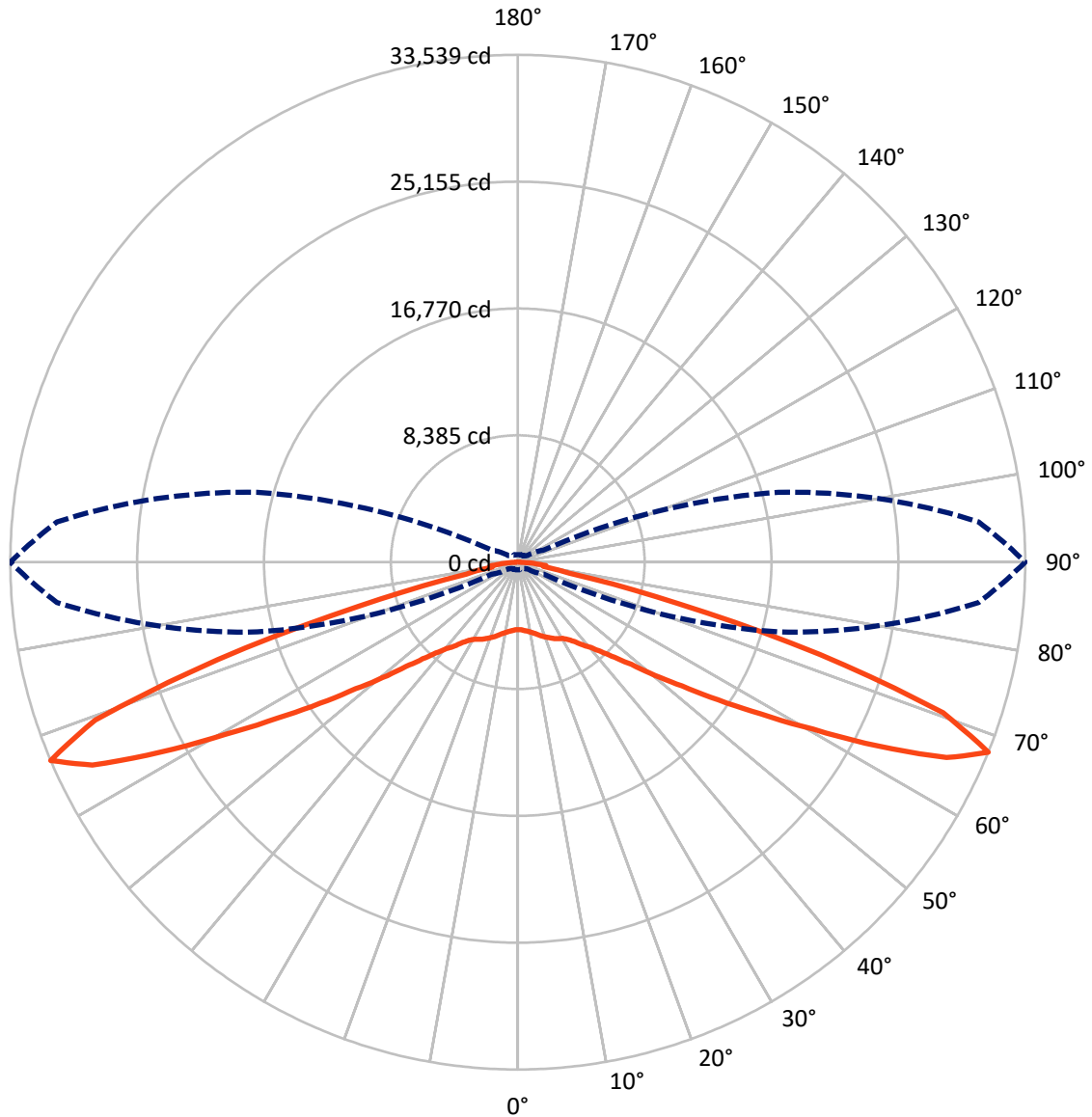
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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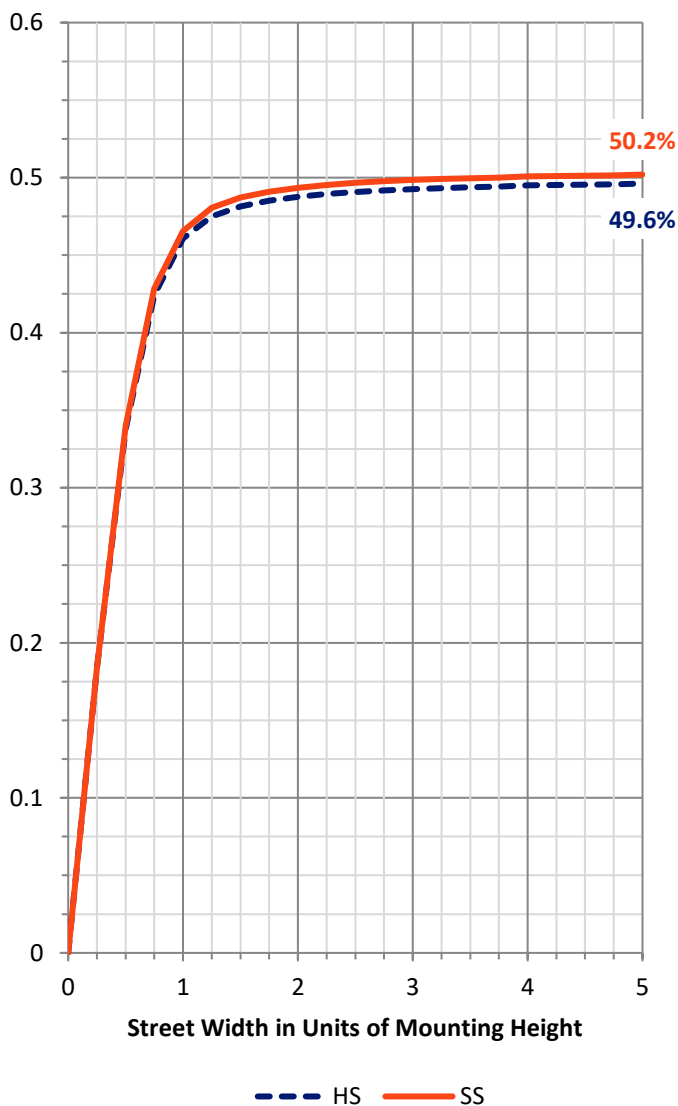
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12608.5	0.0	12608.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12608.5	0.0	12608.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25217.0	0.0	25217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.1	1.8
10°-20°	1424.0	5.6
20°-30°	2383.4	9.5
30°-40°	3228.9	12.8
40°-50°	4090.0	16.2
50°-60°	5109.4	20.3
60°-70°	6005.9	23.8
70°-80°	2297.5	9.1
80°-90°	232.8	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	25217.0	100.0
0°-180°	25217.0	100.0

Coefficient of Utilization



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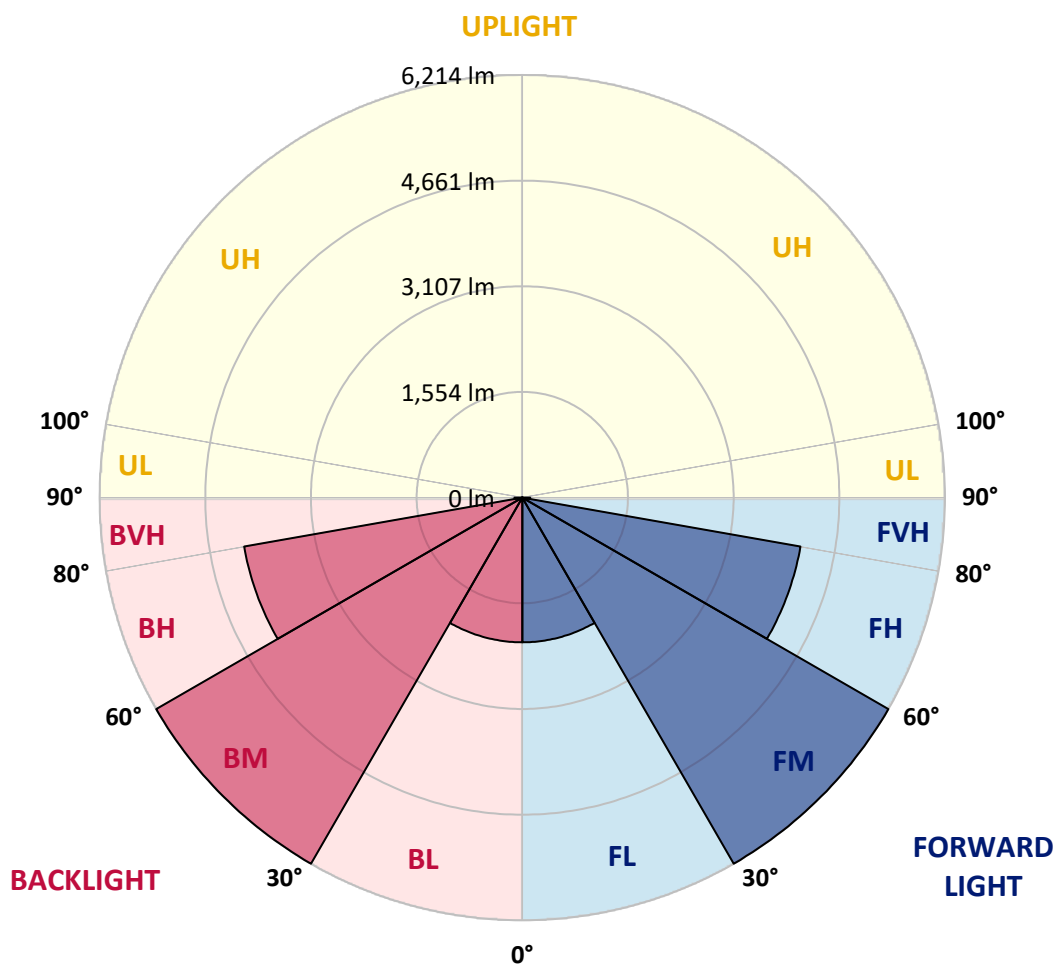
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2126.3	8.4			
FM	(30°-60°)	6214.2	24.6			
FH	(60°-80°)	4151.7	16.5			G2/5000
FVH	(80°-90°)	116.4	0.5			G2/225
BL	(0°-30°)	2126.3	8.4	B3/2500		
BM	(30°-60°)	6214.2	24.6	B4/8500		
BH	(60°-80°)	4151.7	16.5	B4/5000		G4/5000
BVH	(80°-90°)	116.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4464.2	4464.2	4464.2	4464.2	4464.2	4464.2	4464.2	4464.2	4464.2	4464.2	4464.2
2.5°	4521.4	4518.7	4520.0	4518.7	4522.8	4520.0	4503.3	4489.3	4478.2	4479.6	4475.4
5°	4617.8	4619.2	4620.6	4613.6	4623.4	4617.8	4591.3	4568.9	4546.6	4538.2	4535.4
7.5°	4697.4	4704.4	4708.6	4715.5	4732.3	4732.3	4718.3	4686.2	4637.3	4609.4	4608.0
10°	4777.0	4782.6	4795.1	4817.5	4845.4	4871.9	4866.3	4823.1	4760.2	4712.7	4701.6
12.5°	4804.9	4811.9	4853.8	4918.0	4980.9	5032.5	5032.5	4997.6	4916.6	4844.0	4823.1
15°	4707.2	4719.7	4795.1	4932.0	5096.7	5209.9	5235.0	5186.1	5099.5	4987.8	4962.7
17.5°	4513.1	4543.8	4654.1	4856.6	5130.3	5364.9	5437.5	5413.7	5302.0	5159.6	5130.3
20°	4305.0	4338.5	4455.8	4723.9	5102.3	5455.6	5666.5	5672.1	5533.8	5327.2	5283.9
22.5°	4076.0	4101.1	4251.9	4566.1	5018.6	5476.6	5863.4	5959.7	5772.6	5494.7	5433.3
25°	3819.1	3847.0	4004.8	4344.1	4860.8	5452.8	6043.5	6255.7	6022.5	5673.5	5595.3
27.5°	3573.3	3584.5	3753.4	4098.3	4652.7	5391.4	6176.1	6528.0	6299.0	5821.5	5722.3
30°	3337.3	3363.9	3513.3	3854.0	4413.9	5271.3	6290.6	6838.0	6596.5	5976.5	5849.4
32.5°	3087.4	3119.5	3281.5	3626.4	4175.1	5091.2	6360.5	7177.3	7011.2	6227.8	6092.4
35°	2847.2	2868.1	3031.5	3366.6	3942.0	4881.7	6373.0	7559.9	7546.0	6609.0	6428.9
37.5°	2601.4	2632.2	2796.9	3118.1	3694.8	4659.7	6310.2	7966.3	8191.1	7138.2	6944.1
40°	2365.5	2392.0	2554.0	2877.9	3414.1	4388.8	6160.8	8337.7	8943.7	7682.8	7407.7
42.5°	2108.5	2115.5	2292.8	2622.4	3139.0	4074.6	5945.7	8668.7	9783.0	8413.1	8071.0
45°	1816.7	1834.8	1999.6	2323.6	2823.5	3722.7	5653.9	8942.4	10847.0	9425.5	8959.1
47.5°	1524.8	1540.2	1691.0	2010.8	2478.6	3319.2	5204.3	9182.5	11939.0	10711.6	10099.9
50°	1240.0	1248.4	1371.2	1654.7	2090.4	2894.7	4647.1	9259.3	13173.4	12532.4	11751.8
52.5°	980.3	992.8	1086.4	1308.4	1675.6	2393.4	4045.3	9069.4	14614.4	14691.2	13590.9
55°	794.5	798.7	868.5	1031.9	1309.8	1868.3	3319.2	8540.2	16164.4	17457.4	16054.1
57.5°	684.2	687.0	726.1	816.9	1008.2	1408.9	2574.9	7539.0	17556.6	20698.4	18894.3
60°	621.4	622.8	645.1	698.2	798.7	1080.8	1844.6	6125.9	18930.6	24305.2	22424.3
62.5°	582.3	582.3	597.6	627.0	675.8	829.4	1336.3	4419.5	19871.7	27965.1	26775.4
65°	544.6	544.6	555.8	576.7	603.2	678.6	987.2	2882.1	19848.0	30630.8	31151.6
67.5°	501.3	501.3	509.7	530.6	546.0	583.7	762.4	1887.9	17828.8	30572.1	33539.4
70°	449.6	449.6	460.8	479.0	491.5	515.3	601.8	1291.6	13097.9	26103.7	29827.9
72.5°	398.0	399.4	406.3	424.5	434.3	448.2	499.9	904.8	8034.7	17774.4	20856.2
75°	340.7	343.5	350.5	368.6	377.0	382.6	421.7	645.1	4064.8	9583.3	10911.2
77.5°	275.1	280.7	284.9	304.4	310.0	318.4	347.7	466.4	1784.6	3443.4	3474.2
80°	201.1	208.1	220.6	238.8	243.0	248.6	265.3	330.9	808.5	1572.3	1707.8
82.5°	148.0	157.8	142.4	166.2	166.2	159.2	187.1	222.0	371.4	1557.0	1862.8
85°	81.0	82.4	74.0	85.2	90.8	89.4	99.1	108.9	180.1	1038.9	1071.0
87.5°	19.5	20.9	22.3	26.5	32.1	32.1	34.9	30.7	58.6	336.5	192.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)