

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: P647981

Luminaire Tested: **GALN-SA6A-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13722.1 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

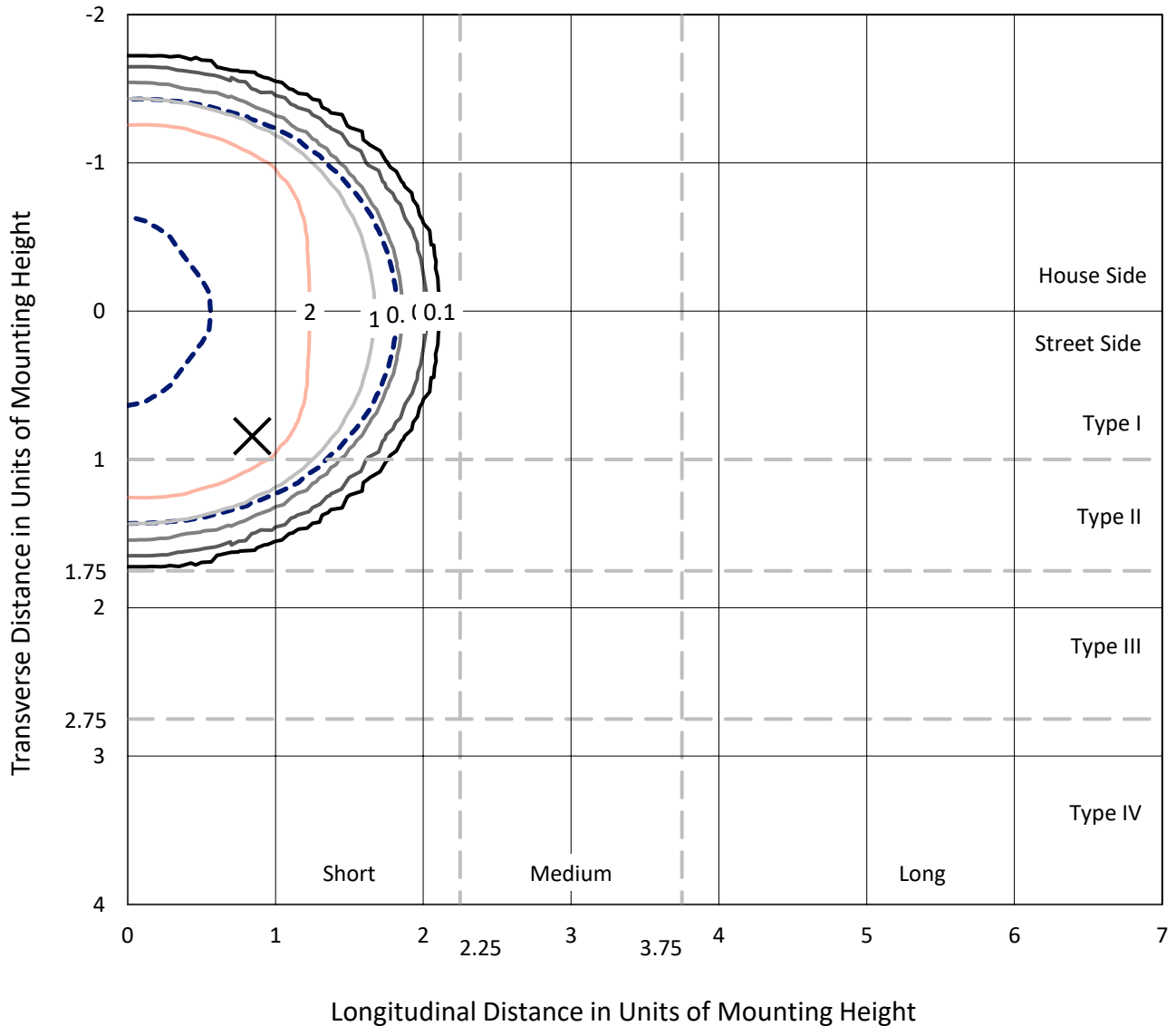
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

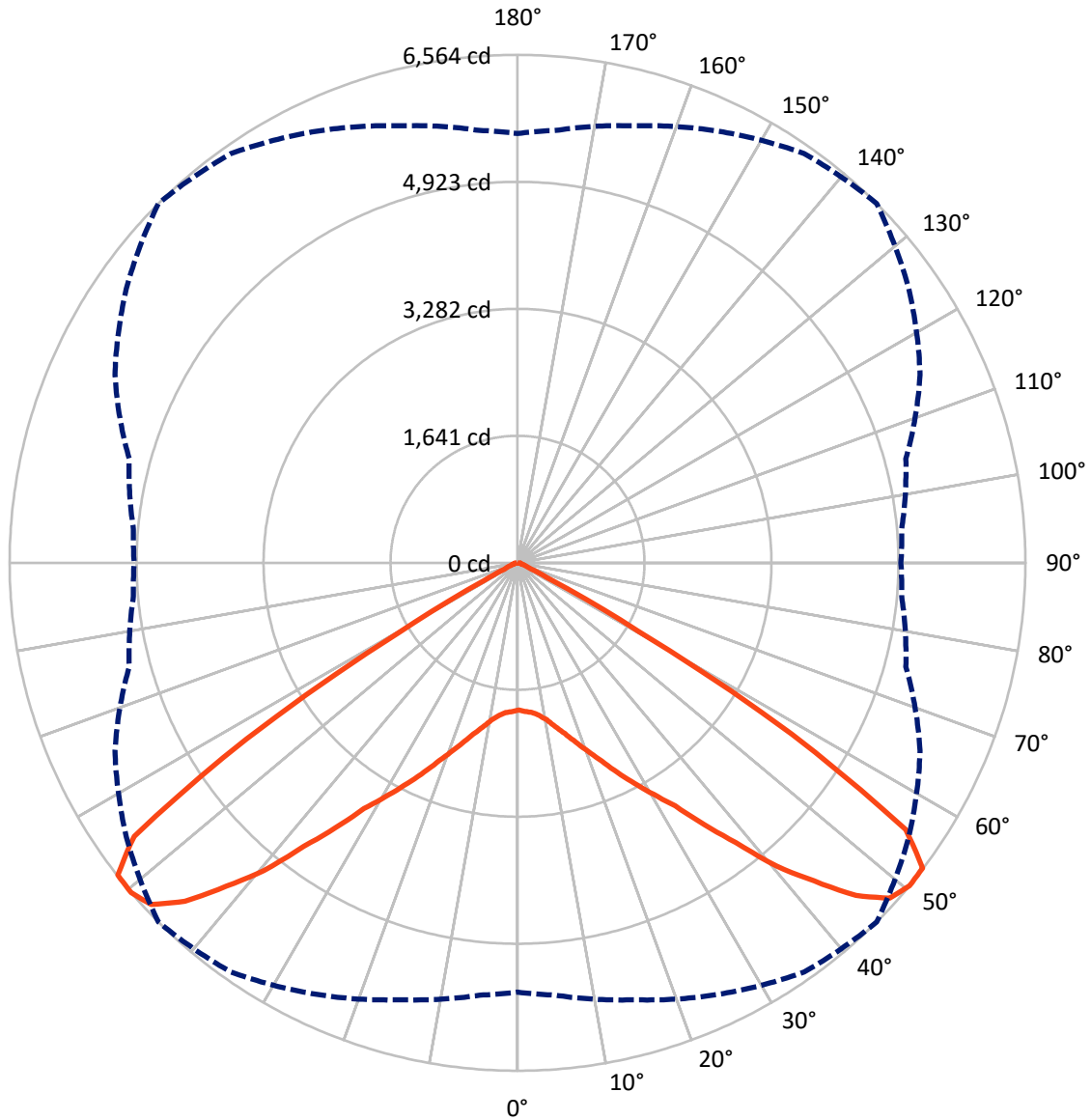
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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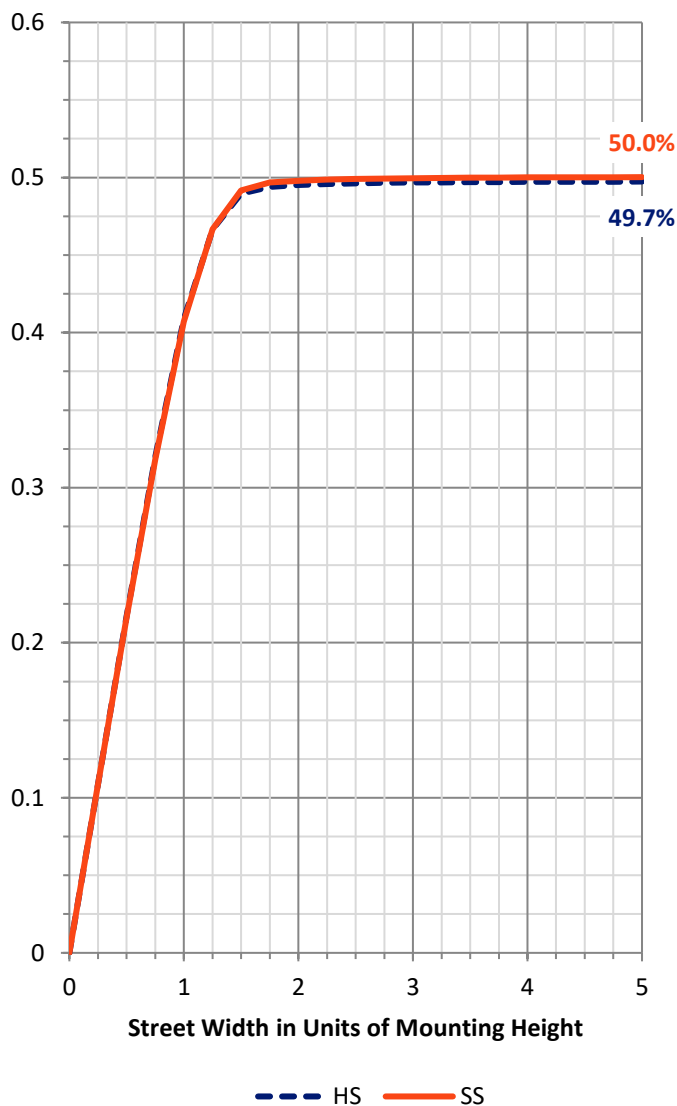
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6861.0	0.0	6861.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6861.0	0.0	6861.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13722.1	0.0	13722.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.4
10°-20°	652.3	4.8
20°-30°	1332.3	9.7
30°-40°	2540.6	18.5
40°-50°	4281.3	31.2
50°-60°	4083.0	29.8
60°-70°	570.0	4.2
70°-80°	54.5	0.4
80°-90°	18.8	0.1
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°	13722.1	100.0
0°-180°	13722.1	100.0

Coefficient of Utilization

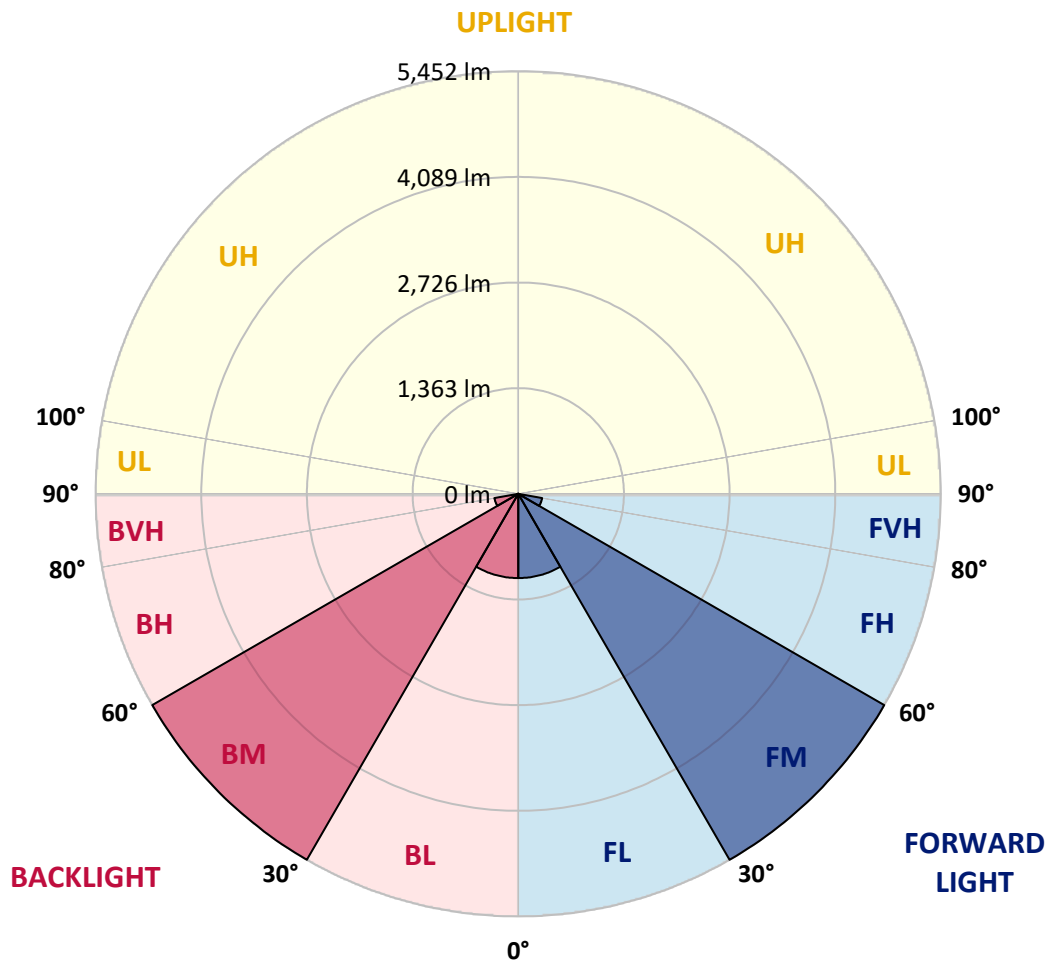


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1086.9	7.9			
FM (30°-60°)	5452.5	39.7			
FH (60°-80°)	312.2	2.3			G0/660
FVH (80°-90°)	9.4	0.1			G0/10
BL (0°-30°)	1086.9	7.9	B3/2500		
BM (30°-60°)	5452.5	39.7	B4/8500		
BH (60°-80°)	312.2	2.3	B1/500		G0/660
BVH (80°-90°)	9.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4
2.5°	1895.5	1895.5	1893.2	1911.6	1902.4	1923.2	1920.9	1927.8	1934.7	1932.4	1950.9
5°	1879.4	1877.0	1877.0	1897.8	1918.6	1941.7	1962.4	1976.3	1999.4	1999.4	2022.5
7.5°	1895.5	1884.0	1900.1	1909.3	1948.6	1987.8	2022.5	2050.2	2103.3	2121.8	2114.8
10°	1900.1	1914.0	1925.5	1953.2	2001.7	2061.7	2091.7	2161.0	2221.1	2262.6	2271.8
12.5°	1930.1	1950.9	1983.2	2050.2	2094.1	2172.5	2214.1	2281.0	2364.2	2410.3	2442.6
15°	1987.8	1994.8	2036.3	2121.8	2216.4	2288.0	2352.6	2401.1	2481.9	2535.0	2537.3
17.5°	2061.7	2091.7	2149.4	2230.3	2329.5	2435.8	2486.5	2539.7	2569.6	2641.2	2657.3
20°	2209.5	2214.1	2269.5	2375.7	2500.4	2597.4	2634.3	2662.0	2650.5	2724.4	2738.2
22.5°	2348.0	2352.6	2421.9	2565.0	2698.9	2782.1	2798.2	2782.1	2747.4	2800.6	2805.2
25°	2488.8	2530.4	2581.2	2724.4	2890.6	3001.4	3003.7	2959.8	2888.3	2897.5	2920.6
27.5°	2708.2	2738.2	2791.3	2922.9	3105.3	3230.0	3209.2	3156.0	3063.7	3070.6	3063.7
30°	2964.4	2992.2	3036.0	3204.6	3338.5	3474.6	3504.7	3453.9	3315.4	3285.4	3320.0
32.5°	3273.8	3313.0	3393.8	3548.6	3661.7	3744.8	3765.6	3747.1	3617.9	3606.3	3629.4
35°	3650.1	3703.3	3777.1	3913.4	4005.7	4155.8	4155.8	4093.4	3975.7	3989.5	3987.2
37.5°	4047.2	4125.8	4241.2	4379.7	4504.4	4585.2	4559.8	4506.7	4388.9	4359.0	4388.9
40°	4545.9	4585.2	4730.7	4910.7	5063.1	5155.4	5046.9	4931.5	4649.8	4693.7	4774.5
42.5°	5000.8	5063.1	5173.9	5372.5	5545.6	5621.8	5492.5	5264.0	4924.6	4889.9	4950.0
45°	5388.6	5455.6	5601.0	5885.0	6067.4	6134.3	5848.1	5478.7	5090.8	5003.1	5028.5
47.5°	5647.2	5681.8	5885.0	6155.2	6321.4	6473.8	6062.8	5626.4	5169.3	5003.1	4993.8
50°	5547.9	5608.0	5845.8	6152.8	6455.3	6563.8	6171.3	5739.5	5194.7	4982.3	4954.6
52.5°	4926.9	5030.8	5296.3	5709.6	6166.7	6554.6	6321.4	5702.6	5185.5	5003.1	5044.6
55°	3428.5	3430.8	3754.0	4363.6	5171.6	6085.9	6102.1	5744.2	5245.5	5132.3	5134.7
57.5°	1378.3	1447.6	1694.6	2306.5	3052.2	4178.9	4968.4	5328.6	5252.4	5224.7	5296.3
60°	348.6	350.9	427.1	651.1	1073.6	1791.6	2602.0	3520.8	4054.1	4236.6	4261.9
62.5°	177.7	180.1	198.6	230.9	293.2	480.2	854.3	1355.2	1927.8	2218.7	2294.9
65°	145.5	145.5	157.0	173.1	175.5	184.7	221.7	316.3	459.5	521.8	528.7
67.5°	110.8	110.8	120.0	129.3	133.9	131.6	127.0	131.6	159.3	152.4	147.8
70°	69.3	71.6	76.2	85.4	90.0	92.3	94.7	99.3	113.1	117.8	113.1
72.5°	41.6	41.6	43.8	50.8	57.7	62.3	69.3	73.9	80.8	92.3	90.0
75°	18.5	18.5	23.1	30.0	37.0	43.8	50.8	57.7	62.3	69.3	71.6
77.5°	4.6	6.9	11.5	20.7	27.7	37.0	46.2	53.1	57.7	57.7	55.4
80°	2.3	2.3	9.2	16.1	30.0	39.2	50.8	55.4	62.3	57.7	50.8
82.5°	2.3	2.3	9.2	16.1	27.7	39.2	53.1	60.1	64.7	57.7	48.5
85°	0.0	2.3	6.9	13.9	23.1	27.7	23.1	16.1	9.2	9.2	6.9
87.5°	0.0	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)