

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: P530875

Luminaire Tested: **GALN-SA6A-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-827-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13695 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

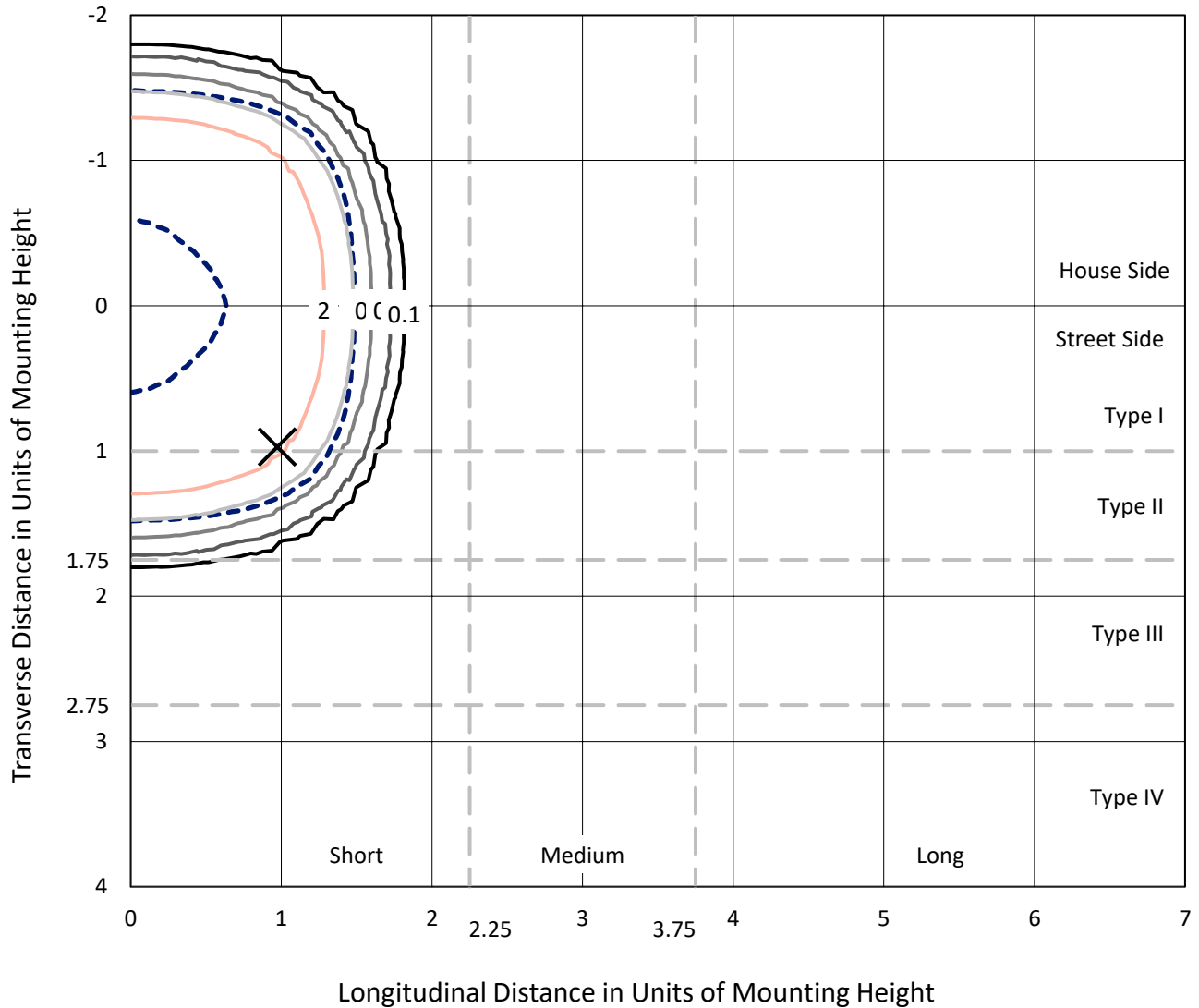
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

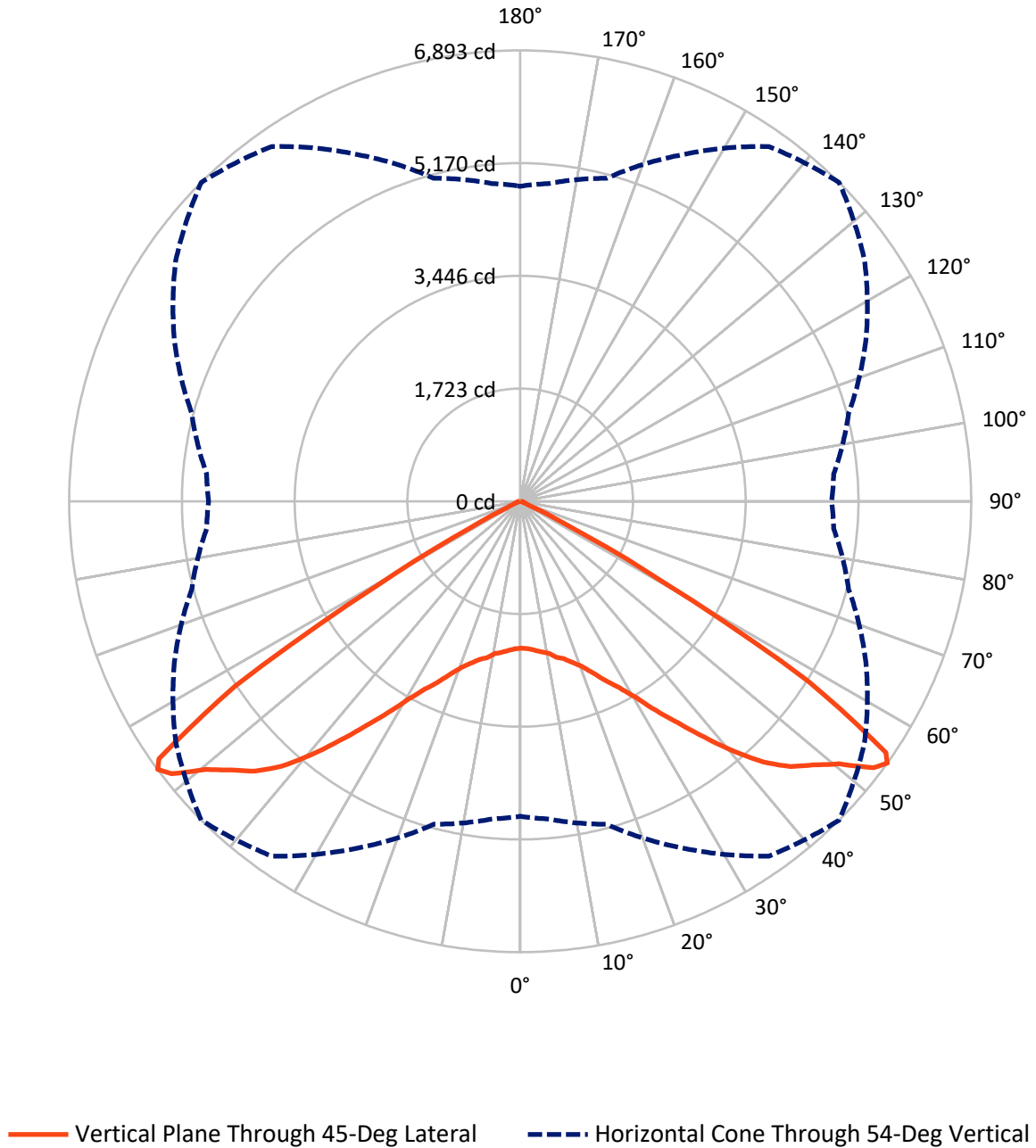
✕ Max cd
 - - - 1/2 Max cd



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



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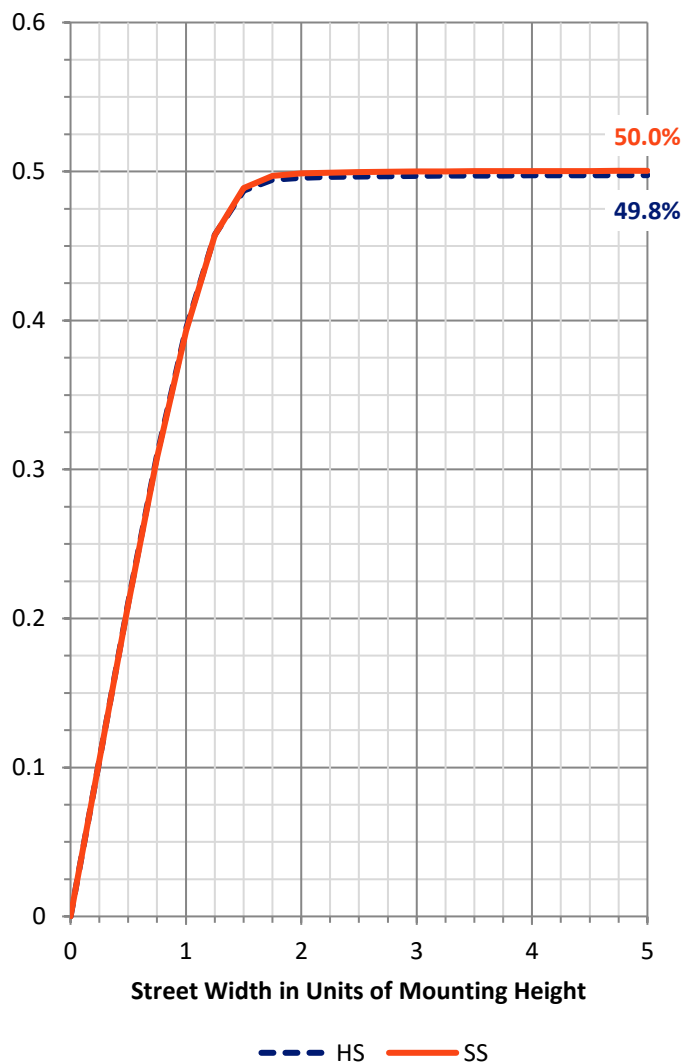
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6847.5	0.0	6847.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6847.5	0.0	6847.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13695.0	0.0	13695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	1.6
10°-20°	711.7	5.2
20°-30°	1395.0	10.2
30°-40°	2508.5	18.3
40°-50°	4294.0	31.4
50°-60°	4154.9	30.3
60°-70°	355.7	2.6
70°-80°	42.2	0.3
80°-90°	13.2	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°	13695.0	100.0
0°-180°	13695.0	100.0

Coefficient of Utilization



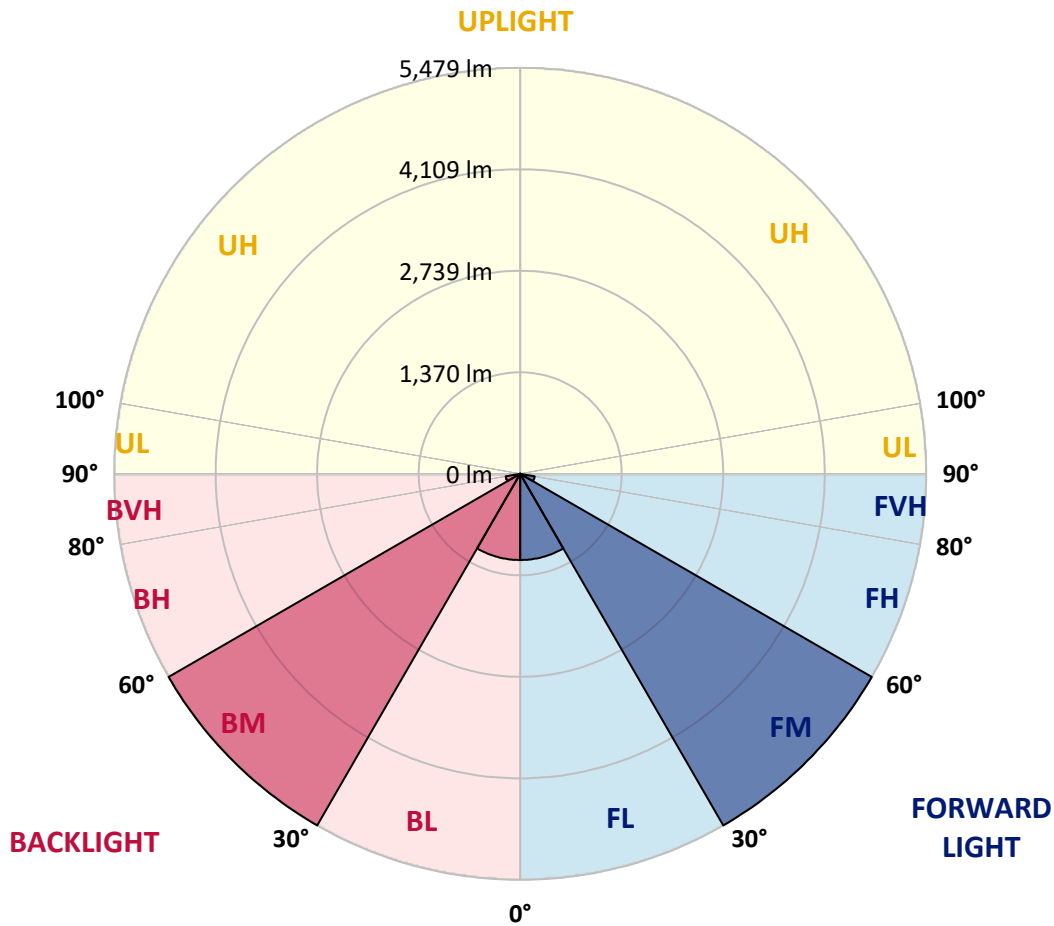
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1163.3	8.5			
FM (30°-60°)	5478.7	40.0			
FH (60°-80°)	198.9	1.5			G0/660
FVH (80°-90°)	6.6	0.0			G0/10
BL (0°-30°)	1163.3	8.5	B3/2500		
BM (30°-60°)	5478.7	40.0	B4/8500		
BH (60°-80°)	198.9	1.5	B1/500		G0/660
BVH (80°-90°)	6.6	0.0			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°	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6	2245.6
2.5°	2256.4	2269.4	2260.7	2267.2	2267.2	2256.4	2262.9	2236.9	2254.2	2241.2	2243.4
5°	2291.1	2288.9	2288.9	2291.1	2282.4	2286.8	2278.1	2269.4	2262.9	2254.2	2280.3
7.5°	2334.5	2334.5	2319.3	2323.7	2319.3	2325.8	2308.5	2291.1	2284.6	2278.1	2273.8
10°	2375.7	2371.4	2364.9	2384.4	2369.2	2360.5	2351.9	2341.0	2317.2	2308.5	2299.8
12.5°	2436.5	2434.3	2425.6	2445.2	2436.5	2445.2	2412.6	2384.4	2380.1	2351.9	2367.1
15°	2508.1	2527.6	2512.4	2512.4	2508.1	2497.2	2484.2	2471.2	2432.1	2421.3	2423.5
17.5°	2601.4	2594.9	2597.0	2597.0	2618.7	2590.5	2564.5	2531.9	2512.4	2505.9	2484.2
20°	2690.3	2699.0	2696.8	2712.0	2725.0	2694.7	2666.5	2662.1	2607.9	2616.6	2586.2
22.5°	2846.5	2840.0	2850.9	2861.7	2853.0	2848.7	2822.7	2790.1	2742.4	2720.7	2716.4
25°	3011.4	3000.6	2981.1	3007.1	3020.1	3039.6	2989.7	2972.4	2898.6	2866.1	2868.2
27.5°	3152.5	3167.6	3189.3	3200.2	3232.7	3226.2	3191.5	3135.1	3078.7	3041.8	3017.9
30°	3345.5	3354.2	3391.1	3406.3	3462.7	3477.9	3423.7	3358.6	3258.8	3211.0	3182.8
32.5°	3523.5	3584.2	3582.0	3658.0	3749.1	3812.0	3714.4	3614.6	3514.8	3458.4	3408.5
35°	3812.0	3801.2	3864.1	3944.4	4091.9	4163.5	4057.2	3942.2	3790.3	3699.2	3660.1
37.5°	4081.0	4085.4	4170.0	4298.0	4467.2	4577.9	4484.6	4295.8	4139.6	4022.5	3968.2
40°	4471.6	4480.3	4567.0	4712.4	4903.3	5022.7	4914.2	4723.3	4515.0	4423.8	4423.8
42.5°	4929.4	4966.3	5022.7	5148.5	5319.9	5452.2	5354.6	5204.9	4994.5	4877.3	4894.7
45°	5400.2	5417.5	5454.4	5641.0	5721.3	5786.4	5695.2	5625.8	5484.8	5341.6	5317.7
47.5°	5840.6	5847.1	5955.6	6014.2	6077.1	6022.9	6081.4	5990.3	5831.9	5693.1	5664.9
50°	6035.9	6025.0	6179.1	6357.0	6404.7	6309.2	6259.3	6198.6	5957.8	5790.7	5716.9
52.5°	5467.4	5530.4	5816.7	6311.4	6684.6	6764.9	6474.1	6194.3	5745.1	5419.7	5369.8
54°	4816.5	4875.1	5111.6	5844.9	6621.7	6892.9	6424.2	5829.8	5196.2	4810.0	4760.1
55°	4172.2	4107.1	4536.7	5285.2	6326.6	6780.1	6226.8	5359.0	4634.3	4280.7	4211.2
57.5°	2258.6	2269.4	2631.7	3339.0	4445.5	5198.4	4590.9	3625.4	2738.1	2341.0	2306.3
60°	716.0	733.3	891.7	1349.5	2124.1	2536.3	2174.0	1455.8	1006.7	807.1	774.6
62.5°	223.5	232.1	253.8	377.5	581.5	831.0	650.9	390.5	290.7	266.9	271.2
65°	136.7	136.7	138.9	147.5	173.6	201.8	195.3	171.4	164.9	160.6	158.4
67.5°	89.0	86.8	91.1	97.6	102.0	104.1	110.7	117.2	115.0	110.7	110.7
70°	54.2	52.1	56.4	65.1	67.3	71.6	78.1	86.8	84.6	80.3	82.4
72.5°	30.4	30.4	32.5	39.1	45.6	49.9	56.4	62.9	65.1	62.9	62.9
75°	10.8	13.0	17.4	23.9	28.2	34.7	41.2	47.7	54.2	49.9	47.7
77.5°	4.3	4.3	8.7	15.2	21.7	28.2	39.1	45.6	49.9	45.6	41.2
80°	2.2	2.2	6.5	13.0	19.5	26.0	32.5	39.1	41.2	36.9	32.5
82.5°	2.2	2.2	6.5	13.0	19.5	23.9	34.7	39.1	43.4	39.1	32.5
85°	0.0	2.2	6.5	13.0	17.4	19.5	19.5	13.0	10.8	6.5	6.5
87.5°	0.0	0.0	2.2	0.0	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)