

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: P648471

Luminaire Tested: **GALN-SA6B-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27651.6 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

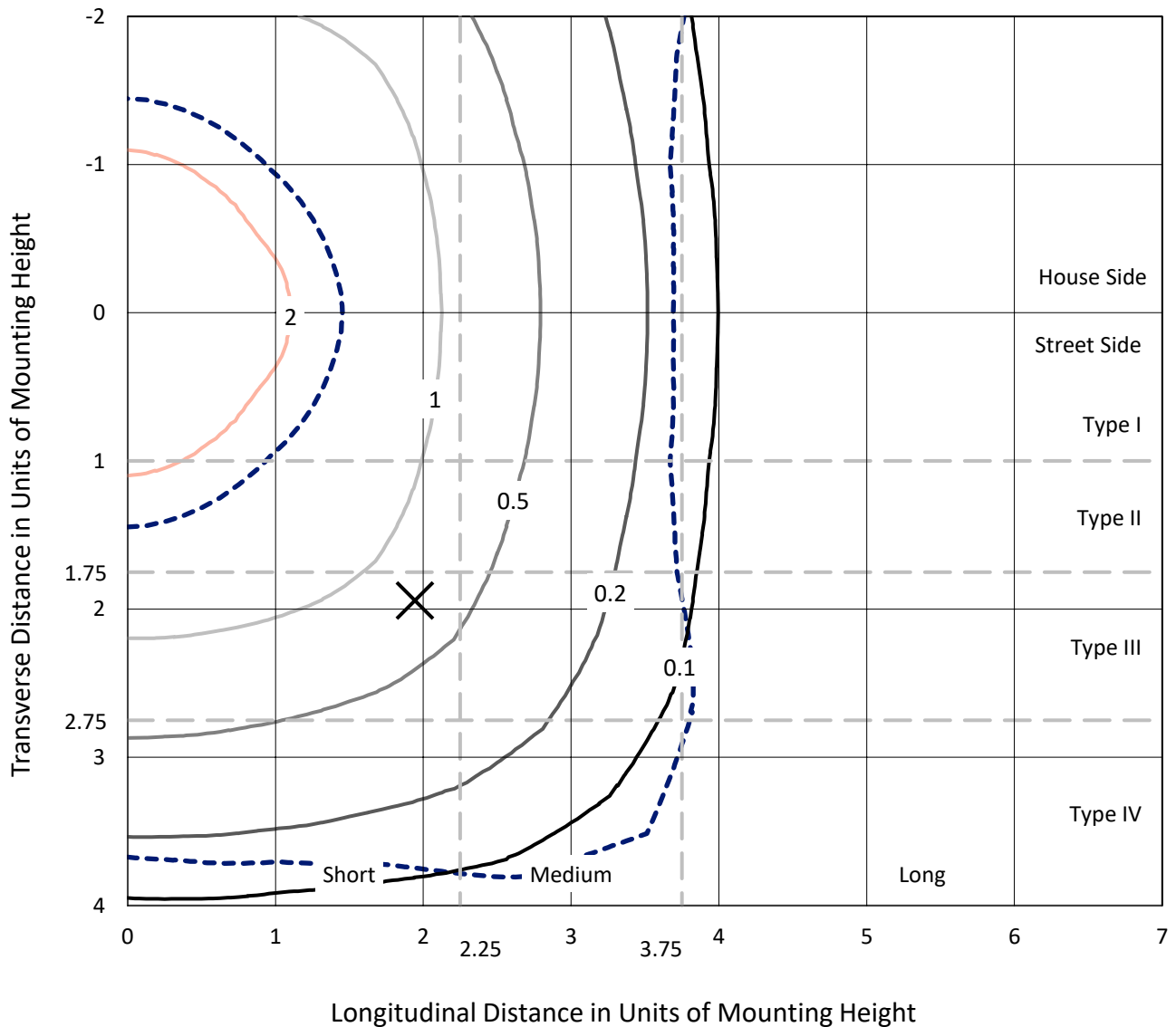
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

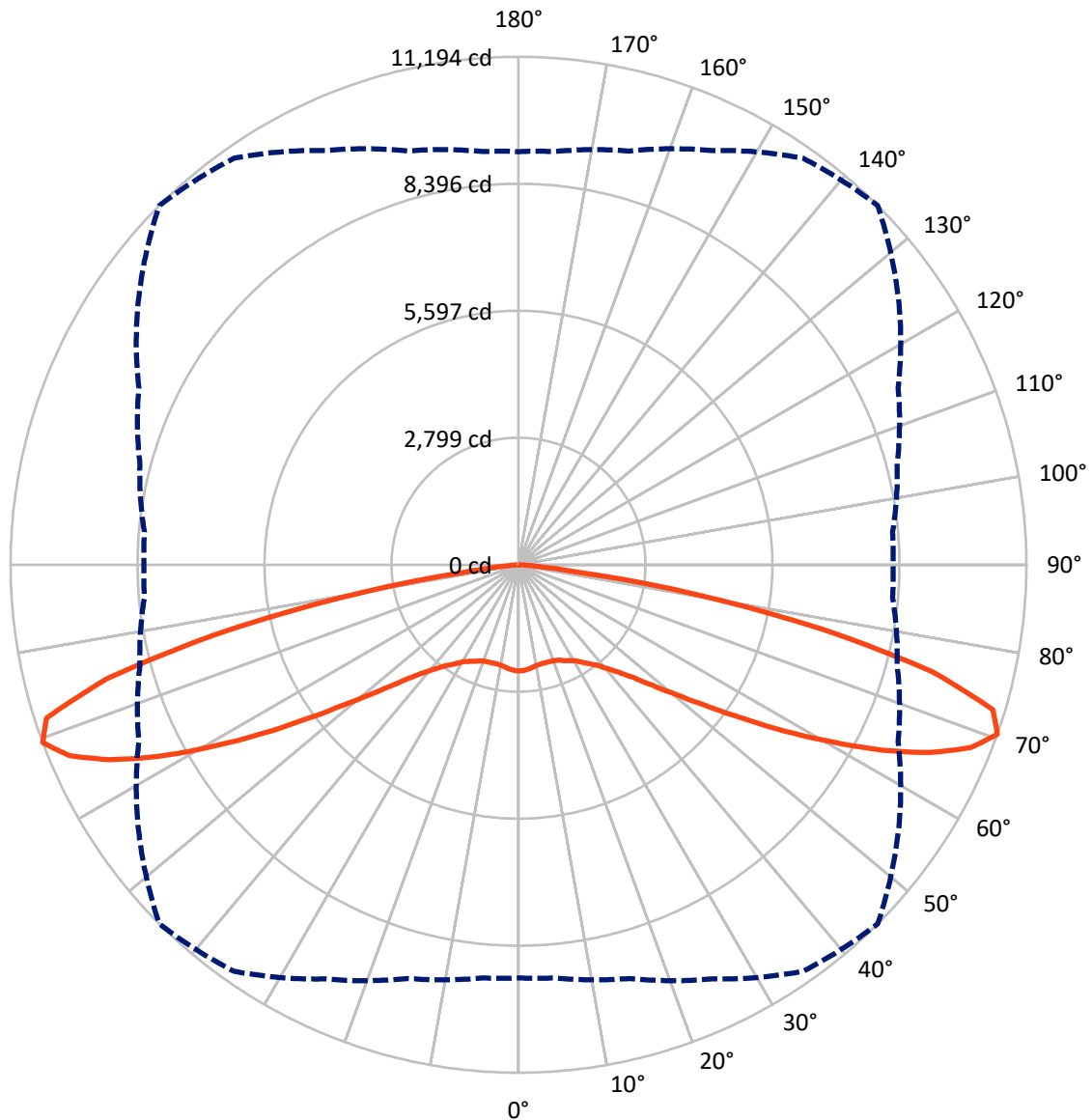
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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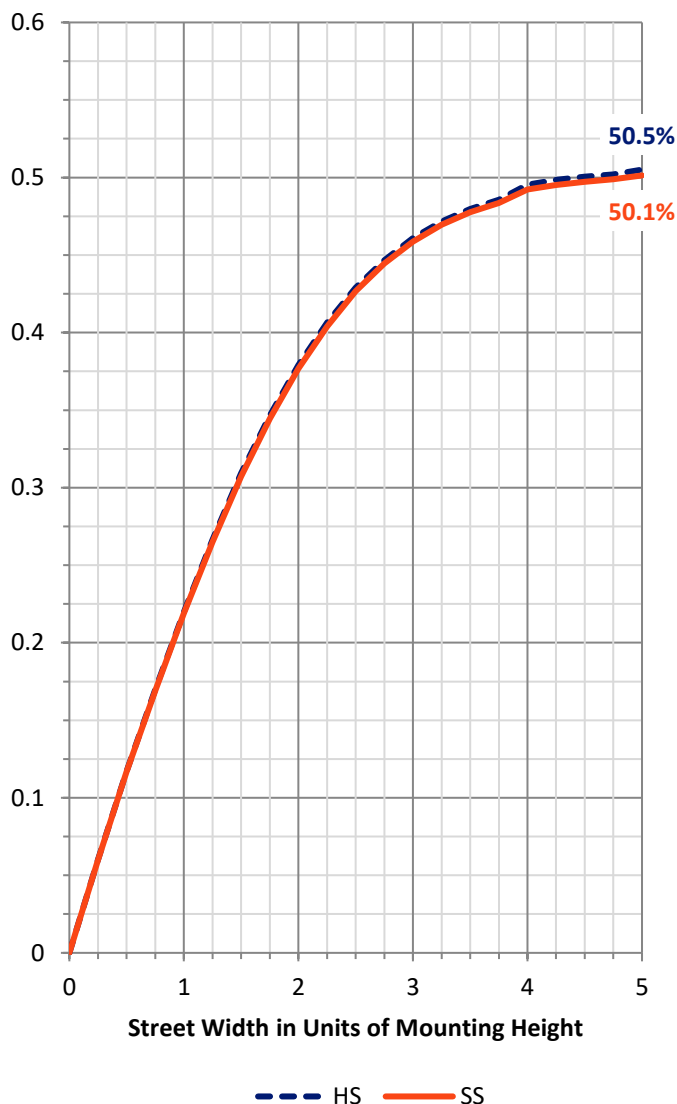
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13825.8	0.0	13825.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13825.8	0.0	13825.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	27651.6	0.0	27651.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.9	0.8
10°-20°	640.9	2.3
20°-30°	1092.0	3.9
30°-40°	1692.6	6.1
40°-50°	2848.9	10.3
50°-60°	5183.4	18.7
60°-70°	8775.4	31.7
70°-80°	6792.5	24.6
80°-90°	407.0	1.5
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°	27651.6	100.0
0°-180°	27651.6	100.0



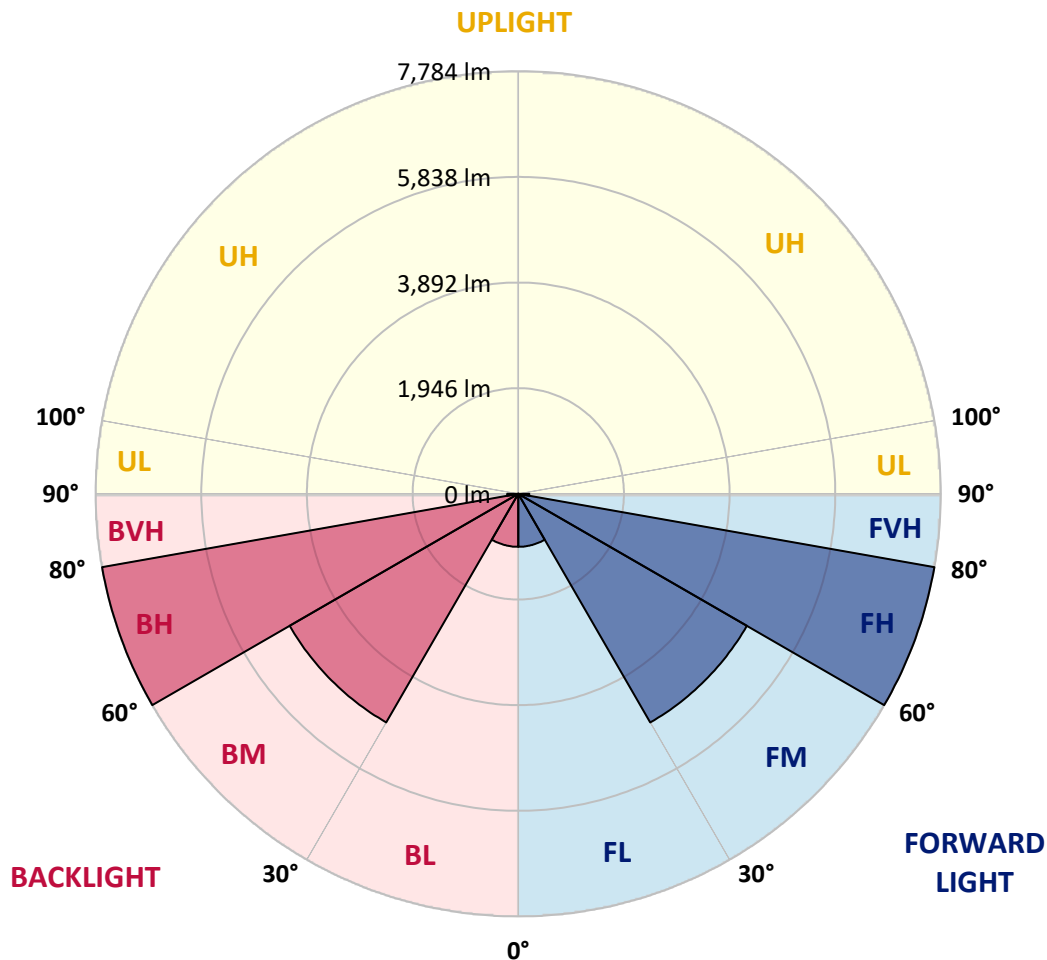
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.9	3.5			
FM (30°-60°)	4862.4	17.6			
FH (60°-80°)	7783.9	28.1			G4/12000
FVH (80°-90°)	203.5	0.7			G2/225
BL (0°-30°)	975.9	3.5	B2/1000		
BM (30°-60°)	4862.4	17.6	B3/5000		
BH (60°-80°)	7783.9	28.1	B5		G4/12000
BVH (80°-90°)	203.5	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2341.0	2341.0	2341.0	2341.0	2341.0	2341.0	2341.0	2341.0	2341.0	2341.0	2341.0
2.5°	2335.2	2336.7	2336.7	2333.7	2332.3	2332.3	2330.8	2330.8	2335.2	2336.7	2338.1
5°	2314.8	2314.8	2314.8	2313.3	2310.4	2310.4	2307.4	2307.4	2308.9	2313.3	2310.4
7.5°	2287.0	2290.0	2290.0	2284.1	2279.7	2279.7	2278.2	2279.7	2281.2	2285.6	2284.1
10°	2278.2	2279.7	2272.4	2262.2	2254.9	2250.5	2252.0	2254.9	2262.2	2265.1	2266.6
12.5°	2284.1	2284.1	2270.9	2256.4	2243.2	2237.3	2235.9	2246.1	2259.3	2268.0	2270.9
15°	2291.4	2288.5	2272.4	2253.4	2240.3	2238.8	2237.3	2244.6	2263.7	2281.2	2282.6
17.5°	2295.8	2294.3	2273.8	2250.5	2243.2	2243.2	2241.7	2247.6	2268.0	2290.0	2291.4
20°	2310.4	2306.0	2282.6	2257.8	2252.0	2254.9	2250.5	2257.8	2279.7	2306.0	2311.8
22.5°	2339.6	2335.2	2311.8	2287.0	2284.1	2284.1	2282.6	2290.0	2313.3	2341.0	2345.4
25°	2374.6	2370.3	2348.4	2330.8	2333.7	2339.6	2336.7	2338.1	2357.1	2380.5	2387.8
27.5°	2421.3	2414.1	2395.1	2380.5	2389.2	2389.2	2389.2	2387.8	2399.5	2421.3	2428.7
30°	2478.4	2475.4	2454.9	2453.5	2460.8	2453.5	2453.5	2454.9	2456.4	2476.9	2484.1
32.5°	2552.8	2546.9	2536.8	2533.8	2554.3	2560.1	2539.7	2520.7	2530.9	2551.3	2555.7
35°	2675.5	2666.7	2652.1	2636.0	2652.1	2679.9	2636.0	2621.5	2647.7	2675.5	2678.4
37.5°	2842.0	2837.6	2814.3	2785.1	2783.6	2812.8	2767.5	2766.0	2815.7	2849.3	2853.6
40°	3050.8	3055.2	3026.0	2998.3	2983.6	3007.0	2972.0	2985.1	3033.3	3071.2	3068.3
42.5°	3344.3	3328.3	3283.0	3256.7	3240.7	3231.9	3223.1	3243.6	3297.6	3338.5	3370.7
45°	3687.5	3681.7	3624.7	3592.6	3557.6	3544.4	3541.5	3578.0	3643.8	3693.4	3697.8
47.5°	4076.1	4062.9	4026.3	3992.8	3979.7	3963.5	3949.0	3976.7	4042.5	4077.5	4087.7
50°	4476.2	4479.1	4479.1	4473.3	4486.4	4489.3	4449.9	4460.1	4496.6	4493.7	4490.8
52.5°	4933.3	4949.3	5025.3	5032.6	5095.4	5137.7	5066.2	5023.8	5010.7	4931.8	4937.7
55°	5470.7	5485.3	5599.2	5713.2	5882.6	5954.1	5803.7	5672.3	5578.8	5459.1	5464.9
57.5°	6141.1	6148.4	6256.4	6475.5	6744.2	6912.2	6647.8	6387.9	6198.0	6084.1	6038.8
60°	6862.5	6869.8	7027.5	7294.8	7712.5	7916.9	7589.8	7164.8	6925.3	6751.5	6763.2
62.5°	7728.5	7757.7	7899.4	8267.5	8774.2	9003.5	8569.7	8001.6	7677.4	7461.3	7470.1
65°	8655.9	8705.6	8860.3	9264.9	9732.2	9979.0	9447.4	8791.7	8388.7	8124.3	8152.0
67.5°	9257.6	9301.4	9524.9	9971.7	10554.4	10758.9	10072.5	9308.7	8804.8	8489.4	8431.0
70°	9104.3	9140.7	9438.7	10072.5	10935.6	11194.1	10221.4	9232.7	8639.9	8276.2	8252.8
72.5°	8036.7	7960.8	8396.0	9305.8	10500.4	10934.1	9752.7	8432.4	7686.2	7312.3	7268.5
75°	5326.1	5491.2	6133.8	7205.7	8883.8	9421.1	8324.4	6770.5	5831.5	5520.4	5472.2
77.5°	1780.2	1907.3	2478.4	4084.8	6056.3	6863.9	6065.1	4428.0	3132.6	2523.6	2535.3
80°	471.7	465.9	603.1	1123.1	2617.1	3975.3	3046.4	1499.8	820.7	594.4	563.8
82.5°	169.4	189.9	243.9	311.1	693.7	1235.5	871.9	420.6	308.1	227.9	220.5
85°	74.5	73.1	105.2	124.1	173.8	230.8	204.4	178.1	156.3	103.7	96.4
87.5°	16.1	16.1	24.8	18.9	30.7	30.7	38.0	45.3	46.7	30.7	24.8
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)