

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: P648305

Luminaire Tested: **GALN-SA3B-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11283.8 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

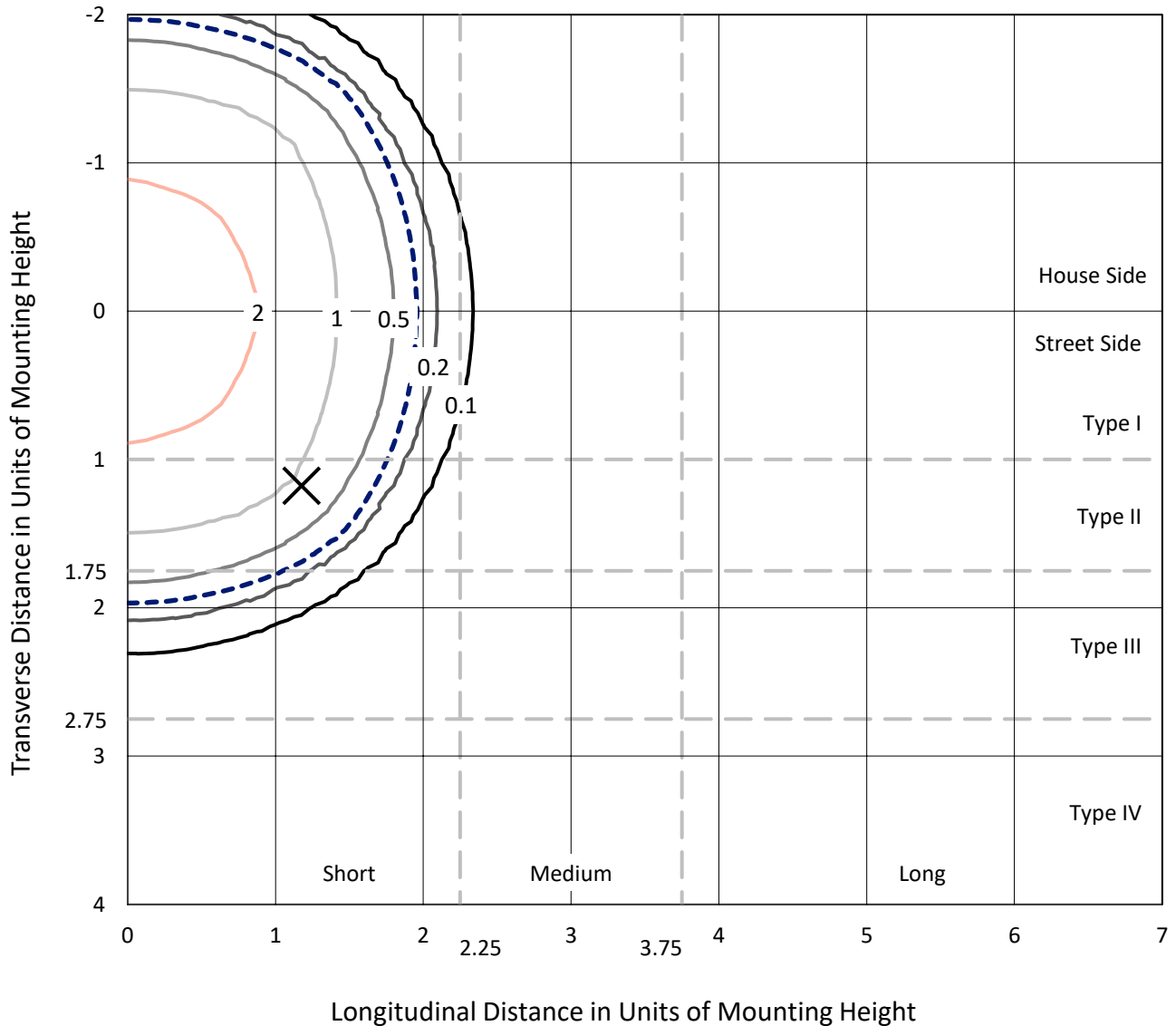
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

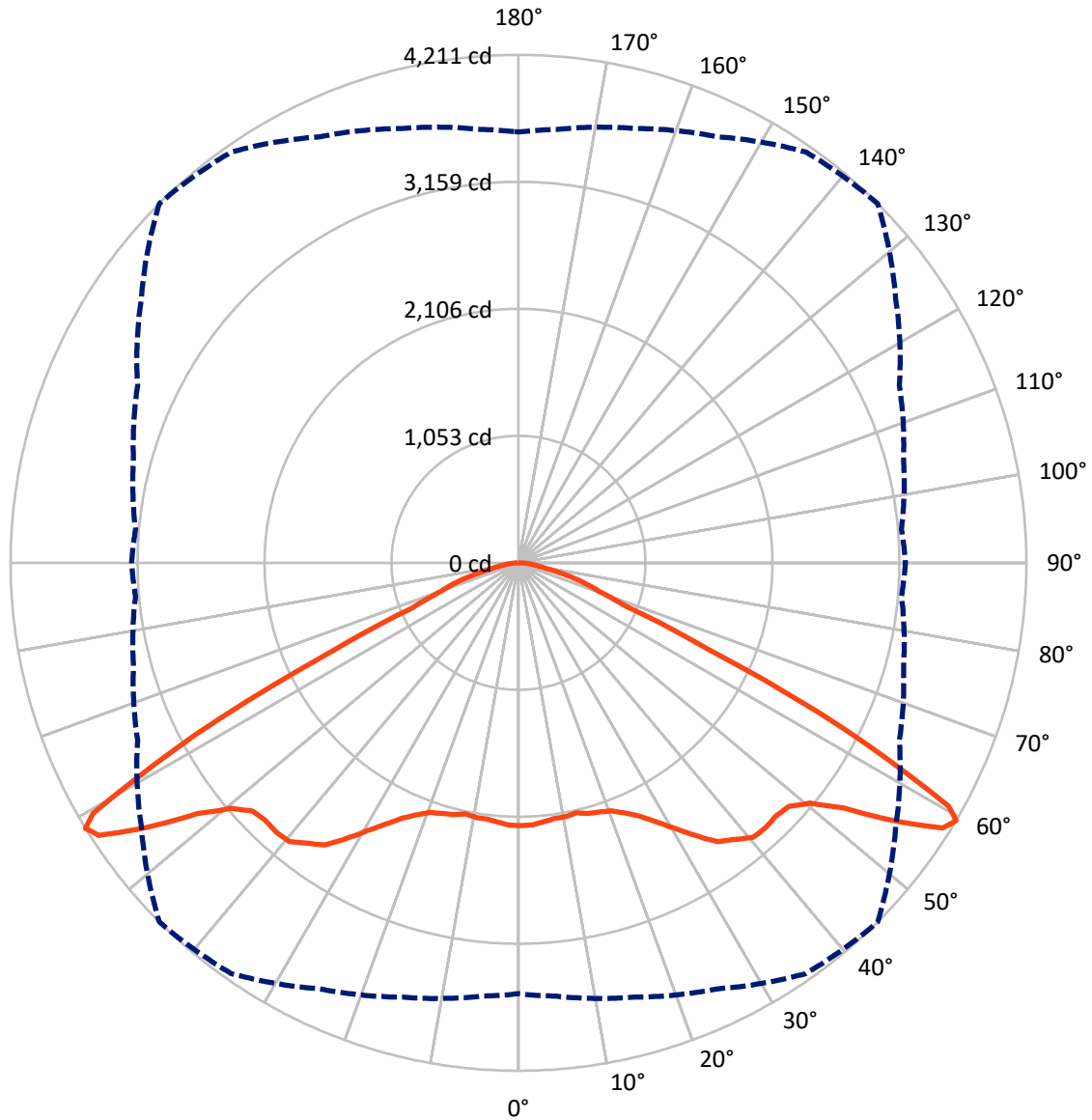
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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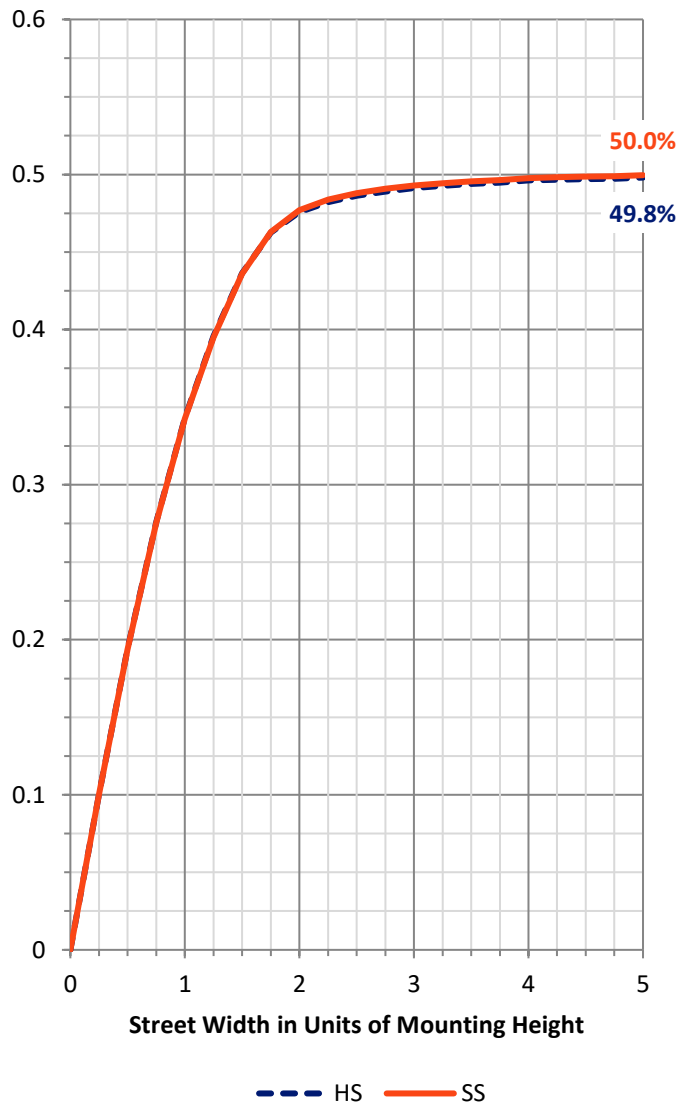
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5641.9	0.0	5641.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5641.9	0.0	5641.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11283.8	0.0	11283.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	1.8
10°-20°	611.0	5.4
20°-30°	1066.9	9.5
30°-40°	1703.9	15.1
40°-50°	2321.1	20.6
50°-60°	3138.7	27.8
60°-70°	1721.3	15.3
70°-80°	440.4	3.9
80°-90°	75.1	0.7
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°	11283.8	100.0
0°-180°	11283.8	100.0

Coefficient of Utilization



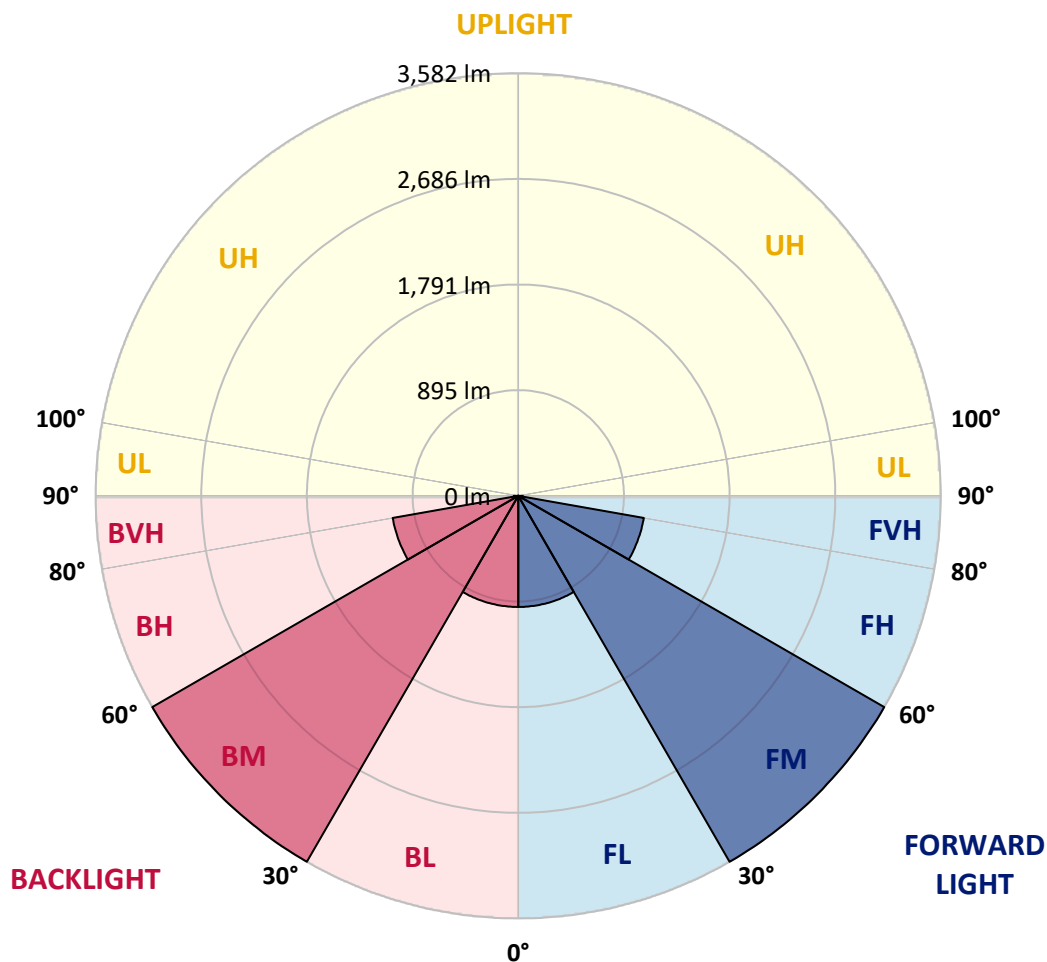
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	941.7	8.3			
FM (30°-60°)	3581.9	31.7			
FH (60°-80°)	1080.8	9.6			G1/1800
FVH (80°-90°)	37.6	0.3			G1/100
BL (0°-30°)	941.7	8.3	B2/1000		
BM (30°-60°)	3581.9	31.7	B3/5000		
BH (60°-80°)	1080.8	9.6	B3/2500		G1/1800
BVH (80°-90°)	37.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2179.5	2179.5	2179.5	2179.5	2179.5	2179.5	2179.5	2179.5	2179.5	2179.5	2179.5
2.5°	2166.5	2182.4	2170.8	2181.0	2179.5	2175.2	2167.9	2163.6	2157.8	2166.5	2152.0
5°	2157.8	2170.8	2183.9	2166.5	2166.5	2157.8	2153.5	2144.8	2144.8	2143.3	2141.9
7.5°	2172.3	2159.3	2153.5	2156.4	2159.3	2140.4	2153.5	2136.1	2121.6	2131.8	2143.3
10°	2159.3	2165.0	2143.3	2153.5	2137.6	2140.4	2131.8	2143.3	2127.4	2127.4	2127.4
12.5°	2172.3	2156.4	2163.6	2156.4	2152.0	2127.4	2139.0	2126.0	2124.5	2139.0	2126.0
15°	2198.3	2172.3	2166.5	2152.0	2156.4	2156.4	2144.8	2146.2	2130.3	2139.0	2141.9
17.5°	2189.6	2175.2	2170.8	2153.5	2167.9	2172.3	2150.6	2136.1	2146.2	2144.8	2143.3
20°	2196.9	2202.7	2198.3	2201.2	2207.0	2195.4	2175.2	2154.9	2141.9	2160.7	2159.3
22.5°	2243.1	2237.3	2234.4	2231.6	2241.7	2253.2	2225.8	2194.0	2194.0	2207.0	2212.8
25°	2280.7	2279.3	2277.8	2290.8	2325.6	2325.6	2290.8	2250.3	2240.2	2248.9	2241.7
27.5°	2335.7	2351.6	2345.8	2369.0	2419.5	2431.1	2384.9	2337.1	2309.7	2299.5	2312.5
30°	2461.5	2442.7	2447.0	2471.6	2516.5	2554.1	2483.2	2432.6	2395.0	2393.6	2399.3
32.5°	2545.4	2559.9	2572.9	2596.0	2666.9	2695.8	2610.4	2528.1	2504.9	2491.9	2496.2
35°	2713.2	2700.2	2697.3	2720.4	2791.2	2839.0	2732.0	2659.6	2629.3	2658.2	2658.2
37.5°	2872.3	2836.1	2808.6	2839.0	2904.1	2909.9	2818.7	2779.6	2763.8	2797.0	2795.6
40°	2947.4	2944.5	2880.9	2898.3	2985.0	2993.7	2908.4	2862.1	2859.2	2902.6	2946.0
42.5°	3025.5	2998.1	2934.4	2946.0	2999.5	3002.4	2921.5	2908.4	2940.2	2982.1	2985.0
45°	3038.6	3015.4	2974.9	2946.0	2985.0	2993.7	2946.0	2954.7	2957.5	3008.2	3008.2
47.5°	3064.6	3061.7	3038.6	3016.9	3024.1	3016.9	2986.5	2999.5	3042.9	3067.5	3055.9
50°	3136.9	3106.6	3129.7	3110.9	3112.3	3132.5	3105.1	3118.1	3109.4	3087.8	3073.3
52.5°	3296.0	3281.6	3301.8	3314.8	3329.2	3375.5	3343.7	3274.3	3209.2	3151.3	3149.9
55°	3528.8	3539.0	3578.0	3644.6	3700.9	3774.7	3621.4	3455.1	3350.9	3259.9	3265.7
57.5°	3748.7	3741.4	3795.0	3946.8	4111.7	4149.3	3848.4	3611.3	3442.1	3384.2	3359.6
59°	3572.2	3607.0	3728.4	3897.6	4156.5	4211.4	3818.1	3484.0	3304.7	3187.5	3207.8
60°	3294.6	3307.5	3416.1	3651.8	4001.8	4095.8	3614.2	3287.3	3048.7	2980.7	3011.1
62.5°	2328.5	2318.3	2396.4	2588.8	2902.6	3029.9	2687.1	2457.2	2306.8	2231.6	2248.9
65°	1238.0	1284.3	1316.1	1436.1	1602.4	1736.9	1595.2	1495.5	1411.5	1349.3	1347.9
67.5°	835.9	830.1	837.3	864.8	921.3	958.9	956.0	905.4	898.1	886.5	899.6
70°	704.3	701.4	688.4	688.4	700.0	708.7	718.8	724.6	736.2	750.6	749.2
72.5°	571.3	564.1	555.4	551.0	565.5	569.8	582.9	588.7	598.8	597.3	610.3
75°	377.5	377.5	387.6	399.2	403.5	412.2	413.7	431.0	431.0	433.9	422.3
77.5°	211.2	205.4	212.6	224.2	234.3	250.2	266.1	279.1	286.3	283.4	283.4
80°	122.9	122.9	130.1	143.2	156.2	170.7	182.2	192.4	199.6	196.7	190.9
82.5°	76.7	76.7	83.9	96.9	107.0	115.7	131.6	144.6	153.3	150.4	143.2
85°	39.1	39.1	47.8	56.4	69.5	75.2	73.8	68.0	66.6	59.3	59.3
87.5°	10.1	10.1	14.5	15.9	13.0	14.5	14.5	14.5	14.5	14.5	15.9
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)