

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: P648312

Luminaire Tested: **GALN-SA3B-835-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648312  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11655 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

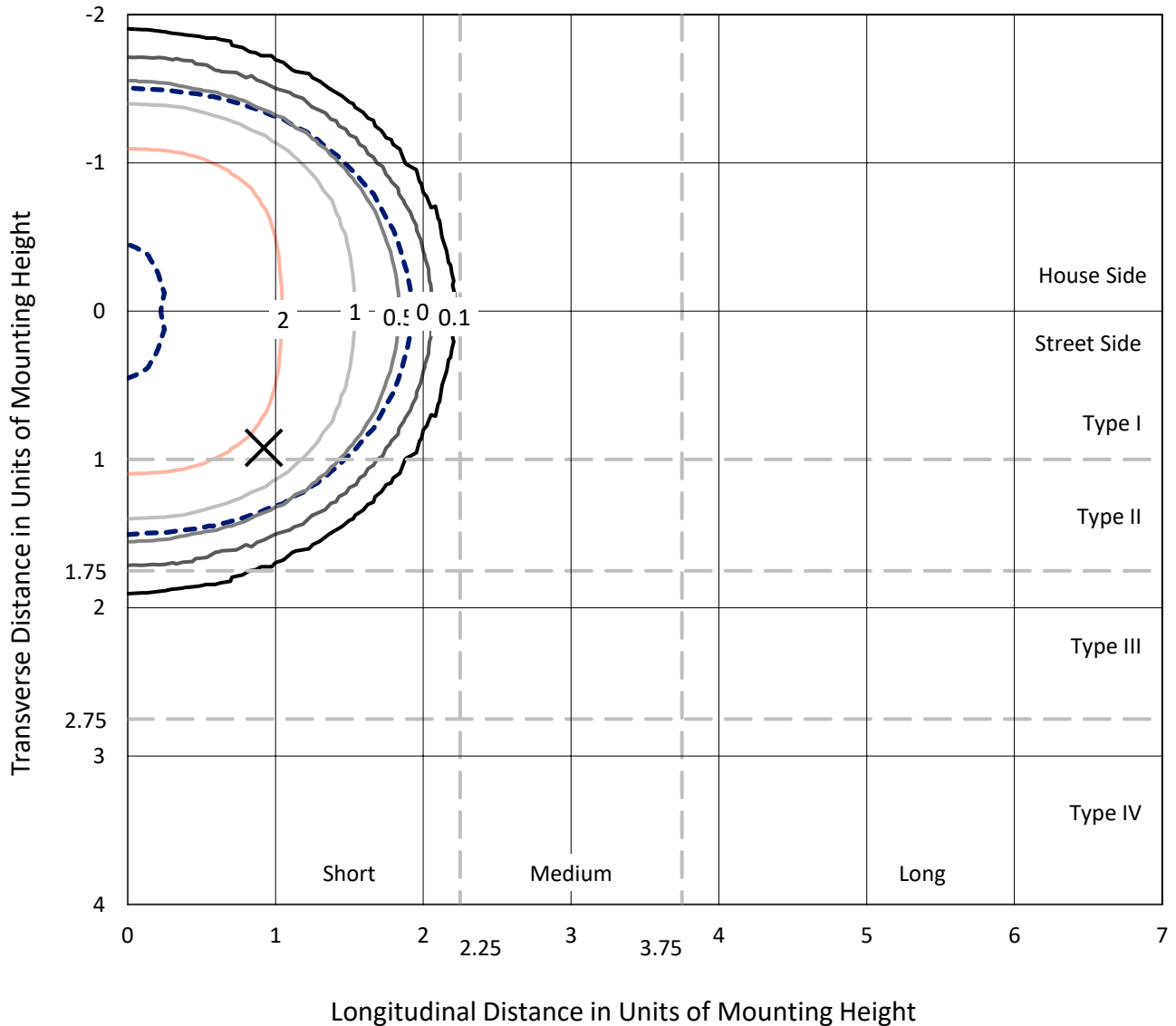




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### Iso-Footcandle Lines of Horizontal Illumination

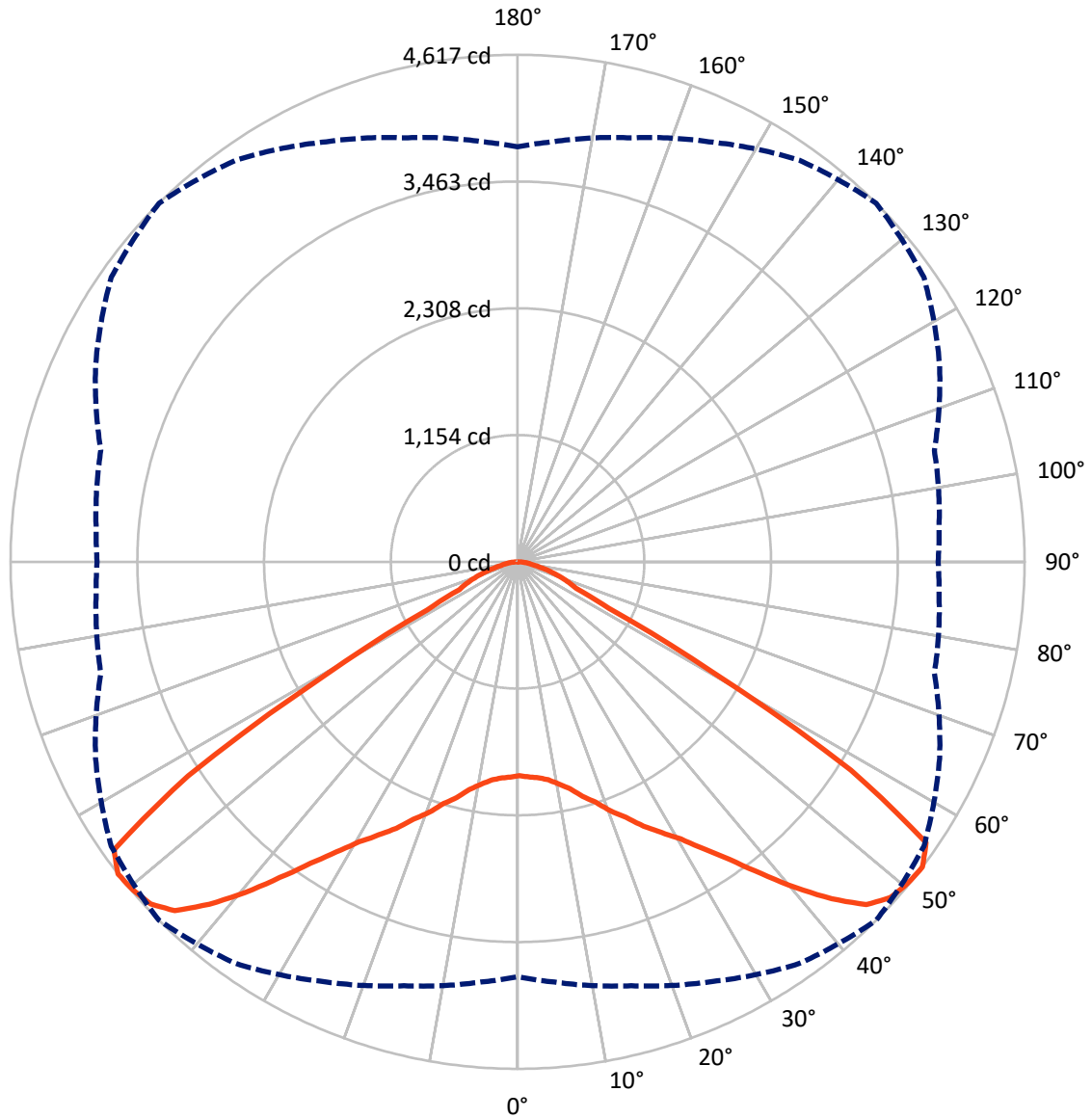
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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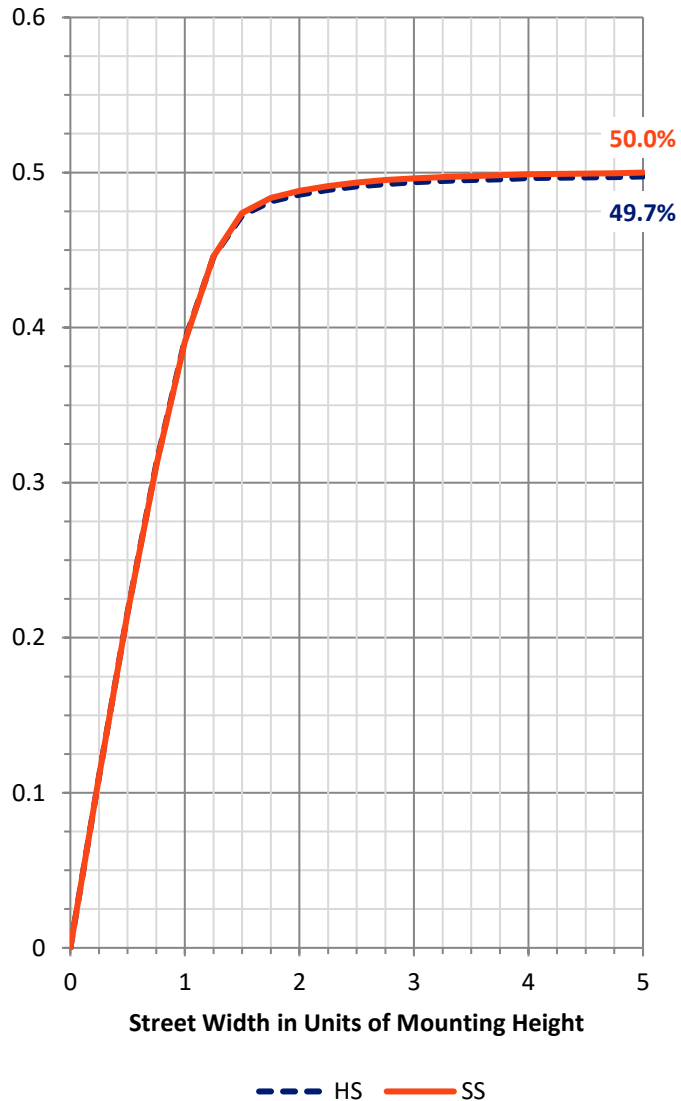
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5827.5	0.0	5827.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5827.5	0.0	5827.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11655.0	0.0	11655.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.4	1.6
10°-20°	629.0	5.4
20°-30°	1197.5	10.3
30°-40°	2056.1	17.6
40°-50°	3160.3	27.1
50°-60°	3209.3	27.5
60°-70°	894.4	7.7
70°-80°	263.8	2.3
80°-90°	53.1	0.5
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°	11655.0	100.0
0°-180°	11655.0	100.0

**Coefficient of Utilization**



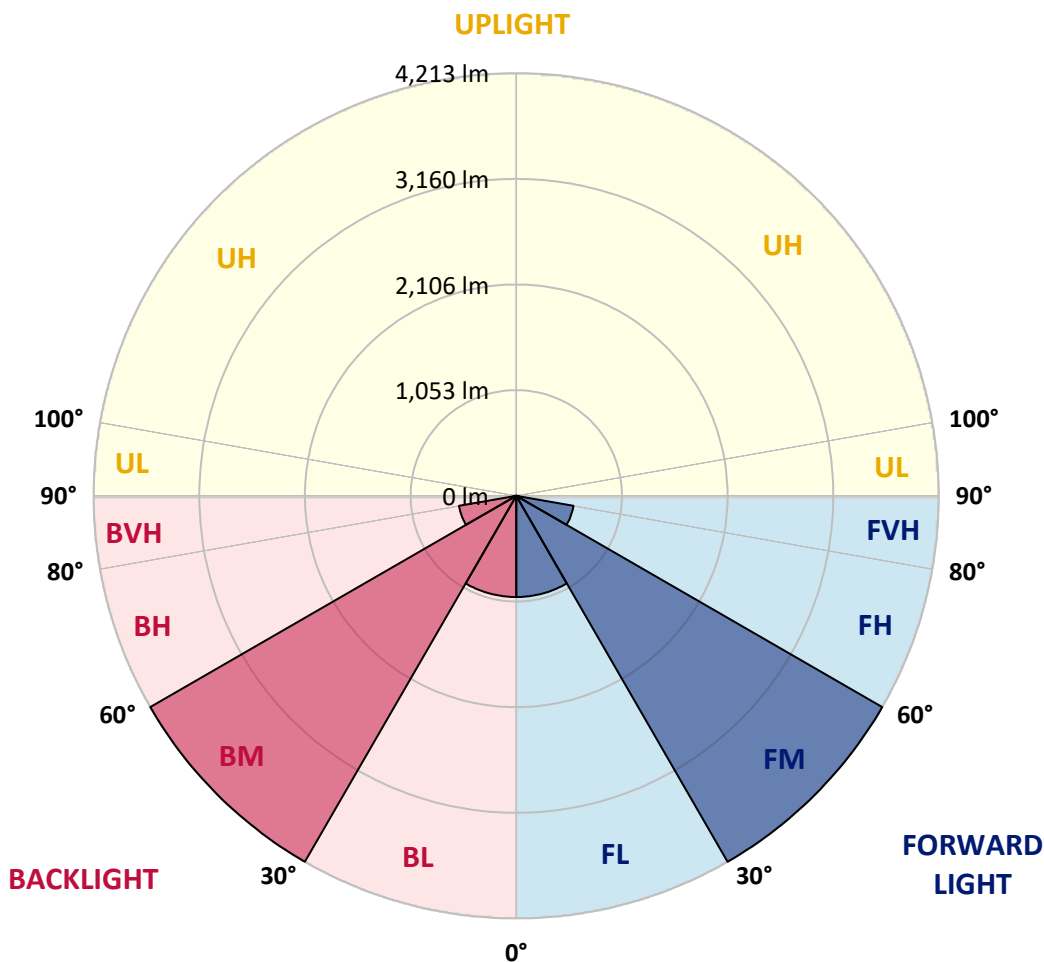
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1008.9	8.7			
FM (30°-60°)	4212.9	36.1			
FH (60°-80°)	579.1	5.0			G0/660
FVH (80°-90°)	26.6	0.2			G1/100
BL (0°-30°)	1008.9	8.7	B3/2500		
BM (30°-60°)	4212.9	36.1	B3/5000		
BH (60°-80°)	579.1	5.0	B2/1000		G0/660
BVH (80°-90°)	26.6	0.2			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°	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3
2.5°	1952.6	1932.4	1939.6	1944.0	1962.7	1961.3	1957.0	1962.7	1968.5	1969.9	1967.1
5°	1951.2	1936.7	1942.5	1946.9	1965.6	1975.7	1972.8	1997.4	2014.8	2010.5	2032.2
7.5°	1939.6	1948.3	1941.1	1962.7	1978.6	2003.2	2029.3	2052.4	2074.1	2098.7	2103.1
10°	1965.6	1965.6	1978.6	1996.0	2038.0	2056.8	2094.4	2127.6	2169.6	2198.5	2186.9
12.5°	1993.1	1997.4	1997.4	2042.3	2077.0	2119.0	2153.6	2198.5	2257.8	2292.5	2309.8
15°	2020.6	2023.5	2038.0	2098.7	2150.7	2217.3	2249.1	2289.6	2322.9	2388.0	2389.4
17.5°	2045.2	2061.1	2104.5	2172.4	2237.6	2301.2	2351.8	2393.8	2422.7	2448.8	2443.0
20°	2137.7	2149.3	2194.2	2262.2	2359.0	2421.3	2438.6	2445.9	2464.6	2516.7	2500.8
22.5°	2227.4	2231.8	2273.8	2377.9	2445.9	2528.3	2547.1	2542.7	2550.0	2563.0	2586.2
25°	2320.0	2327.2	2385.1	2473.3	2568.8	2667.1	2683.0	2649.8	2639.6	2654.1	2655.5
27.5°	2438.6	2440.1	2513.8	2590.5	2698.9	2791.6	2816.1	2790.1	2742.4	2753.9	2772.7
30°	2589.0	2578.9	2652.6	2762.6	2876.8	2928.9	2970.9	2957.9	2905.8	2895.7	2879.7
32.5°	2762.6	2765.5	2832.0	2952.1	3027.3	3114.1	3158.9	3137.2	3104.0	3086.6	3096.7
35°	3007.0	3020.0	3064.9	3164.7	3286.2	3329.6	3400.4	3354.1	3267.4	3289.1	3307.9
37.5°	3208.1	3245.7	3329.6	3448.2	3520.5	3600.1	3626.1	3563.9	3500.2	3474.2	3536.4
40°	3516.1	3504.6	3597.2	3715.7	3822.8	3902.3	3869.1	3806.9	3649.2	3650.7	3668.0
42.5°	3780.9	3786.7	3857.5	3999.3	4145.4	4194.5	4088.9	3937.1	3762.1	3743.2	3780.9
45°	4003.6	4026.7	4067.2	4256.7	4399.9	4453.4	4258.2	4078.8	3844.5	3766.4	3828.6
47.5°	4083.1	4120.8	4209.0	4382.5	4524.3	4567.7	4411.5	4154.0	3921.2	3793.9	3827.1
50°	4094.7	4081.7	4226.3	4385.4	4509.8	4603.8	4466.5	4209.0	3902.3	3835.8	3825.7
52.5°	3778.0	3841.6	3996.4	4214.7	4466.5	4616.9	4515.6	4239.3	3928.4	3853.1	3828.6
55°	3057.7	2982.4	3264.5	3631.9	4094.7	4512.7	4498.3	4255.3	3944.3	3882.1	3848.8
57.5°	1706.7	1728.4	1887.5	2286.8	2884.1	3578.4	3999.3	4087.5	3937.1	3900.9	3918.3
60°	789.7	796.9	864.9	1051.5	1421.8	2029.3	2583.3	3145.9	3404.8	3456.9	3456.9
62.5°	588.7	585.8	603.1	636.4	714.5	932.9	1245.4	1692.3	2048.1	2296.9	2361.9
65°	532.3	530.8	539.5	551.1	556.9	587.2	656.6	794.0	909.8	976.3	964.7
67.5°	465.7	464.3	467.2	474.4	484.5	500.4	517.8	546.8	587.2	584.4	577.1
70°	376.1	376.1	380.4	386.2	397.8	416.6	436.8	457.0	491.8	499.0	497.5
72.5°	277.7	273.3	282.0	293.6	305.2	328.3	350.0	368.8	393.4	400.7	397.8
75°	176.5	179.4	185.1	198.2	218.4	234.4	257.5	273.3	289.2	295.0	296.5
77.5°	98.3	101.2	111.3	127.3	147.5	164.9	185.1	198.2	208.3	209.7	211.2
80°	59.3	60.8	70.9	85.3	102.7	121.5	137.4	150.4	159.1	154.8	153.3
82.5°	36.2	37.6	46.3	59.3	73.8	88.2	105.5	117.1	125.8	120.0	114.2
85°	18.8	20.3	27.5	36.2	47.8	55.0	55.0	49.2	47.8	44.9	43.4
87.5°	5.8	5.8	7.2	8.7	7.2	8.7	10.1	11.6	11.6	13.0	11.6
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)