

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: P527260

Luminaire Tested: **GALN-SA2B-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9409 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

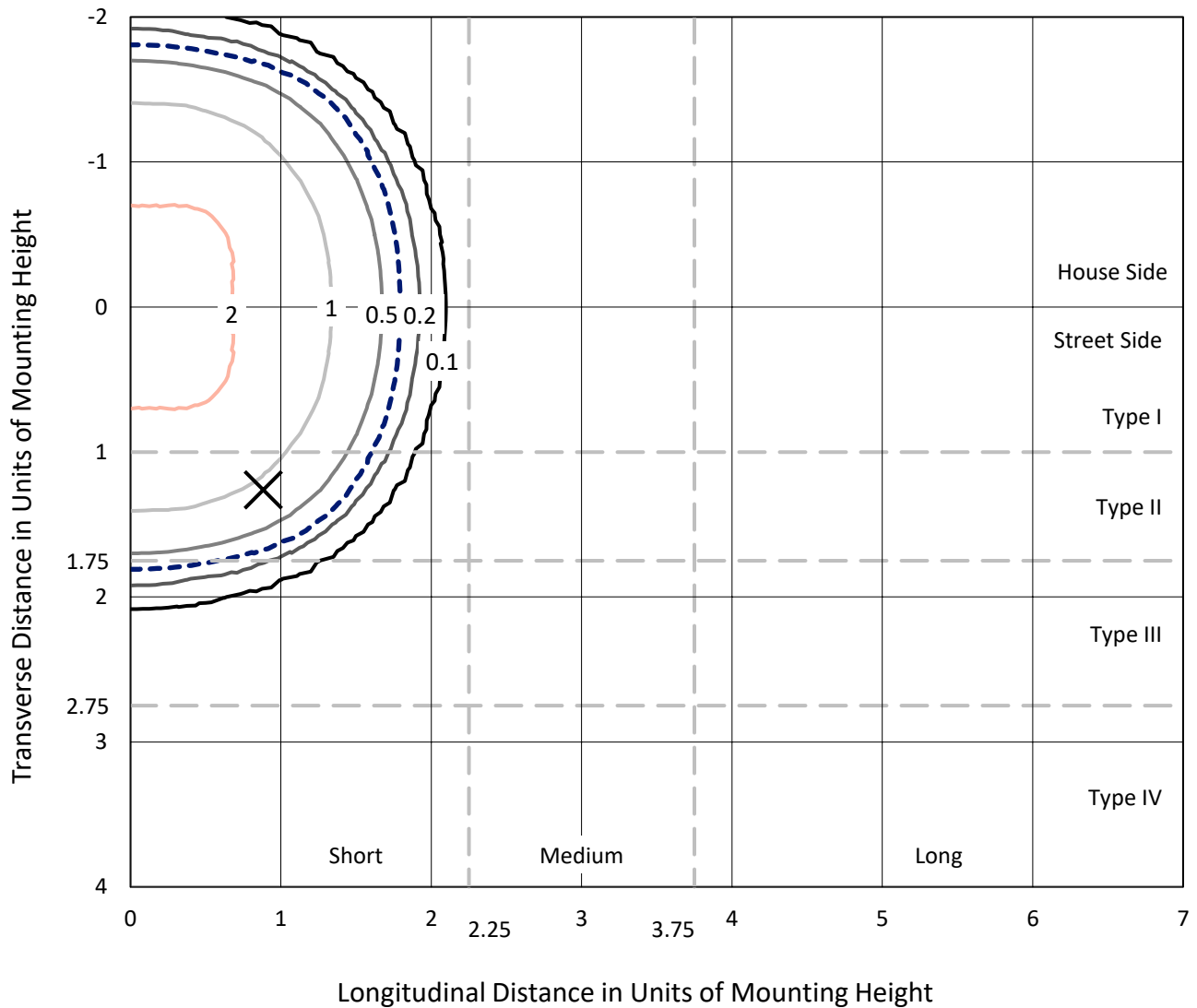
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

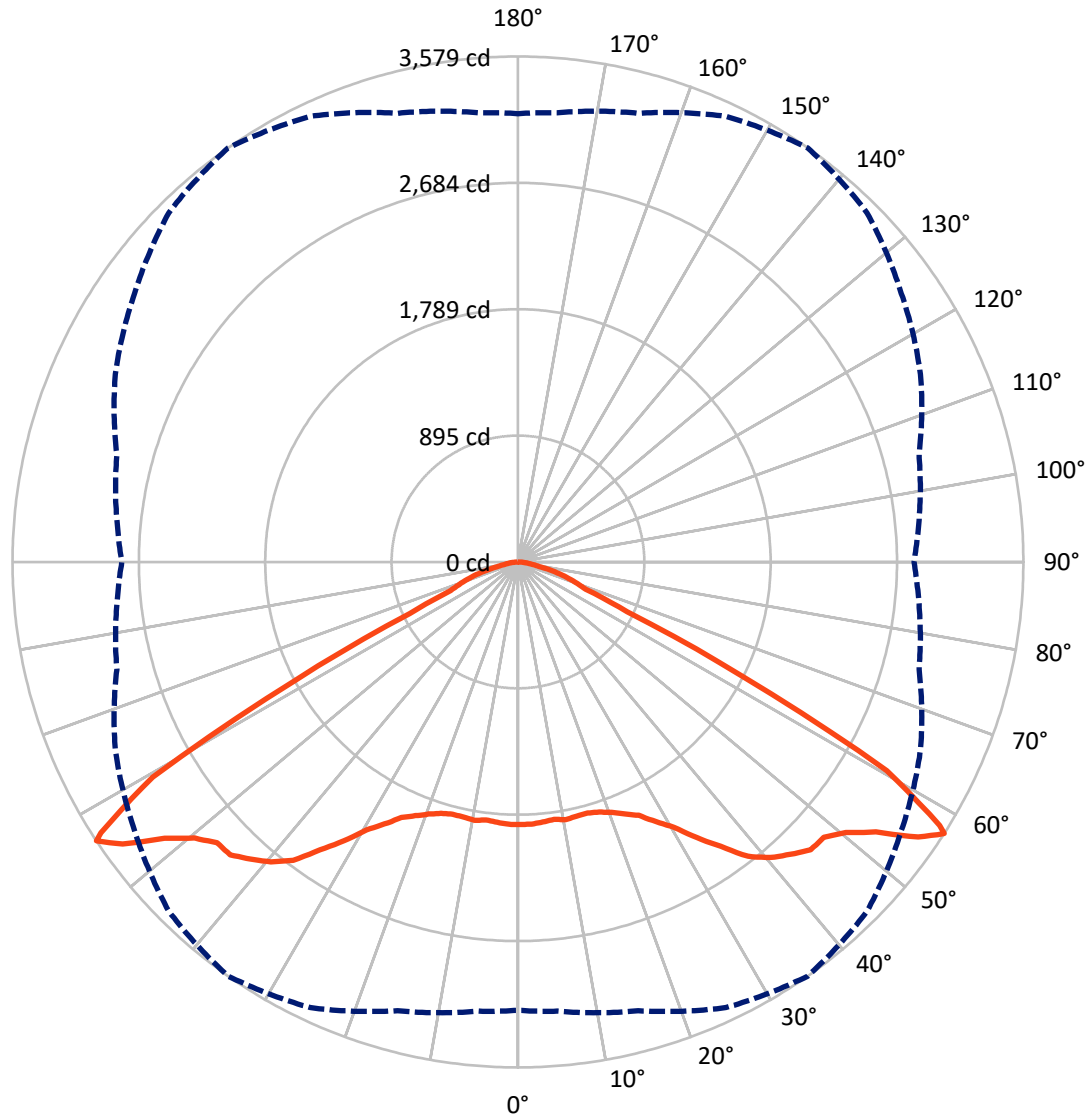
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4704.5	0.0	4704.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4704.5	0.0	4704.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9409.0	0.0	9409.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	1.9
10°-20°	521.8	5.5
20°-30°	911.2	9.7
30°-40°	1493.1	15.9
40°-50°	2189.2	23.3
50°-60°	2757.5	29.3
60°-70°	1037.1	11.0
70°-80°	275.7	2.9
80°-90°	47.3	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°	9409.0	100.0
0°-180°	9409.0	100.0



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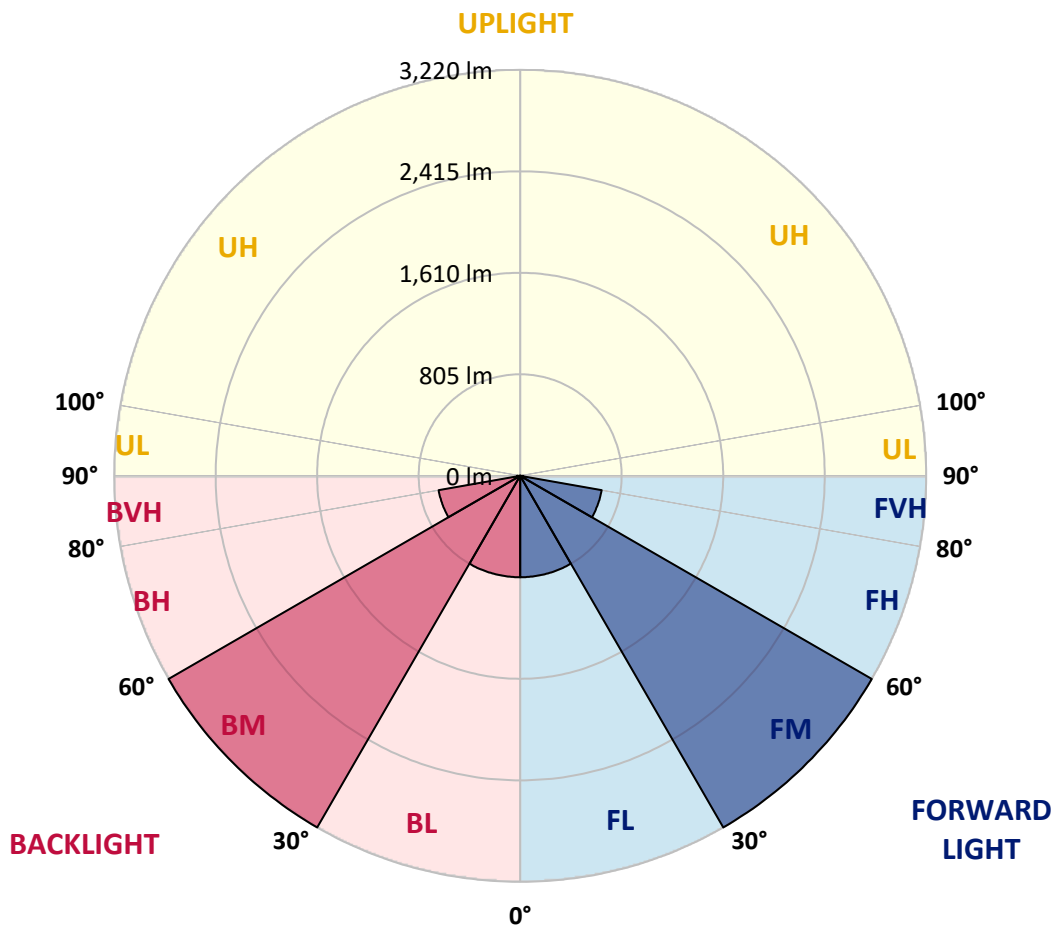
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.6	8.6			
FM (30°-60°)	3219.9	34.2			
FH (60°-80°)	656.4	7.0			G0/660
FVH (80°-90°)	23.6	0.3			G1/100
BL (0°-30°)	804.6	8.6	B2/1000		
BM (30°-60°)	3219.9	34.2	B3/5000		
BH (60°-80°)	656.4	7.0	B2/1000		G0/660
BVH (80°-90°)	23.6	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°	1858.2	1858.2	1858.2	1858.2	1858.2	1858.2	1858.2	1858.2	1858.2	1858.2	1858.2
2.5°	1848.9	1867.5	1859.4	1854.7	1858.2	1852.4	1843.1	1853.6	1851.3	1842.0	1838.5
5°	1844.3	1858.2	1848.9	1858.2	1848.9	1865.2	1860.5	1843.1	1864.0	1844.3	1851.3
7.5°	1840.8	1845.5	1847.8	1843.1	1839.7	1859.4	1848.9	1840.8	1829.2	1825.8	1831.5
10°	1832.7	1844.3	1826.9	1850.1	1854.7	1840.8	1840.8	1825.8	1816.5	1810.7	1830.4
12.5°	1853.6	1833.9	1831.5	1843.1	1846.6	1852.4	1836.2	1828.1	1810.7	1813.0	1809.5
15°	1829.2	1837.3	1838.5	1840.8	1844.3	1858.2	1843.1	1825.8	1818.8	1794.5	1796.8
17.5°	1838.5	1830.4	1838.5	1865.2	1860.5	1871.0	1854.7	1828.1	1811.8	1797.9	1816.5
20°	1854.7	1851.3	1854.7	1887.2	1893.0	1902.3	1888.3	1864.0	1832.7	1816.5	1825.8
22.5°	1872.1	1869.8	1872.1	1903.4	1937.0	1948.6	1934.7	1877.9	1861.7	1831.5	1821.1
25°	1903.4	1905.7	1930.1	1964.9	1986.9	2008.9	1983.4	1942.8	1890.7	1872.1	1850.1
27.5°	1973.0	1978.8	1992.7	2043.7	2081.9	2101.6	2065.7	2010.1	1977.6	1939.4	1933.6
30°	2058.8	2058.8	2083.1	2127.1	2179.3	2209.4	2165.4	2099.3	2059.9	2039.0	2026.3
32.5°	2172.4	2159.6	2168.9	2246.5	2327.7	2353.2	2294.1	2212.9	2150.3	2122.5	2113.2
35°	2269.7	2277.8	2298.7	2382.2	2472.6	2531.7	2439.0	2333.5	2269.7	2244.2	2239.6
37.5°	2396.1	2410.0	2420.4	2535.2	2644.2	2666.2	2576.9	2492.3	2414.6	2393.8	2382.2
40°	2574.6	2565.3	2568.8	2653.4	2752.0	2765.9	2677.8	2617.5	2553.7	2541.0	2541.0
42.5°	2721.8	2711.4	2723.0	2754.3	2829.6	2819.2	2770.5	2726.5	2699.8	2685.9	2699.8
45°	2811.1	2808.8	2829.6	2852.8	2906.1	2871.4	2833.1	2840.1	2814.6	2791.4	2790.2
47.5°	2908.4	2893.4	2918.9	2953.7	2913.1	2896.9	2894.5	2909.6	2901.5	2860.9	2848.2
50°	2956.0	2950.2	2990.8	3031.3	3009.3	2972.2	2980.3	3004.7	2900.3	2845.9	2814.6
52.5°	3083.5	3084.6	3162.3	3184.3	3175.1	3120.6	3138.0	3071.9	2949.0	2872.5	2876.0
55°	3284.0	3275.9	3362.9	3427.8	3438.2	3368.7	3285.2	3192.5	3038.3	2960.6	2937.4
57°	3173.9	3192.5	3288.7	3481.1	3578.5	3496.2	3314.2	3144.9	2939.7	2845.9	2804.1
57.5°	3026.7	3056.8	3223.8	3417.3	3519.4	3512.4	3278.2	3056.8	2873.7	2727.6	2731.1
60°	2217.6	2223.4	2374.1	2681.2	3000.0	3007.0	2721.8	2428.5	2224.5	2065.7	2087.7
62.5°	1169.6	1196.3	1256.6	1503.5	1779.4	1846.6	1673.9	1523.2	1347.0	1226.4	1238.0
65°	619.0	615.5	644.5	714.1	849.7	884.5	861.3	741.9	680.5	660.7	661.9
67.5°	503.1	508.9	505.4	508.9	518.2	533.2	529.8	534.4	537.9	543.7	542.5
70°	426.6	426.6	428.9	430.1	430.1	437.0	445.1	460.2	461.4	467.2	469.5
72.5°	336.2	333.9	337.3	345.4	346.6	352.4	364.0	373.3	376.7	376.7	369.8
75°	228.4	230.7	235.3	242.3	249.2	259.7	268.9	274.7	277.1	273.6	270.1
77.5°	128.7	131.0	134.5	144.9	153.0	162.3	172.7	178.5	184.3	185.5	178.5
80°	76.5	76.5	82.3	90.4	99.7	109.0	118.2	125.2	127.5	127.5	124.0
82.5°	46.4	47.5	52.2	60.3	68.4	74.2	82.3	88.1	92.7	91.6	89.3
85°	24.3	24.3	29.0	35.9	41.7	47.5	47.5	44.0	41.7	35.9	33.6
87.5°	8.1	7.0	9.3	9.3	8.1	9.3	9.3	10.4	10.4	10.4	10.4
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)