

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: P646765

Luminaire Tested: **GALN-SA2C-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646765
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-SA2C-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA 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: 9391.3 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

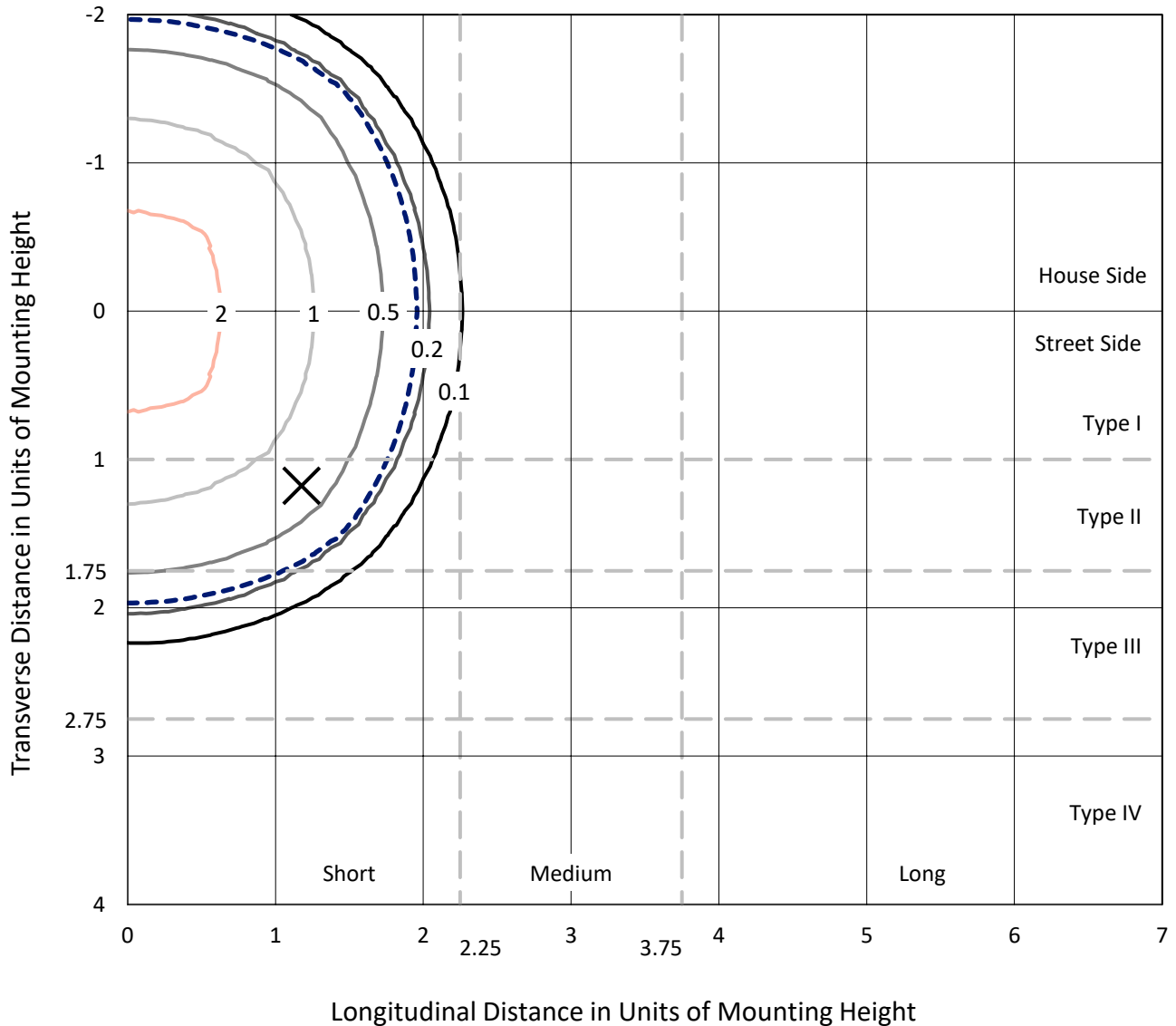
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

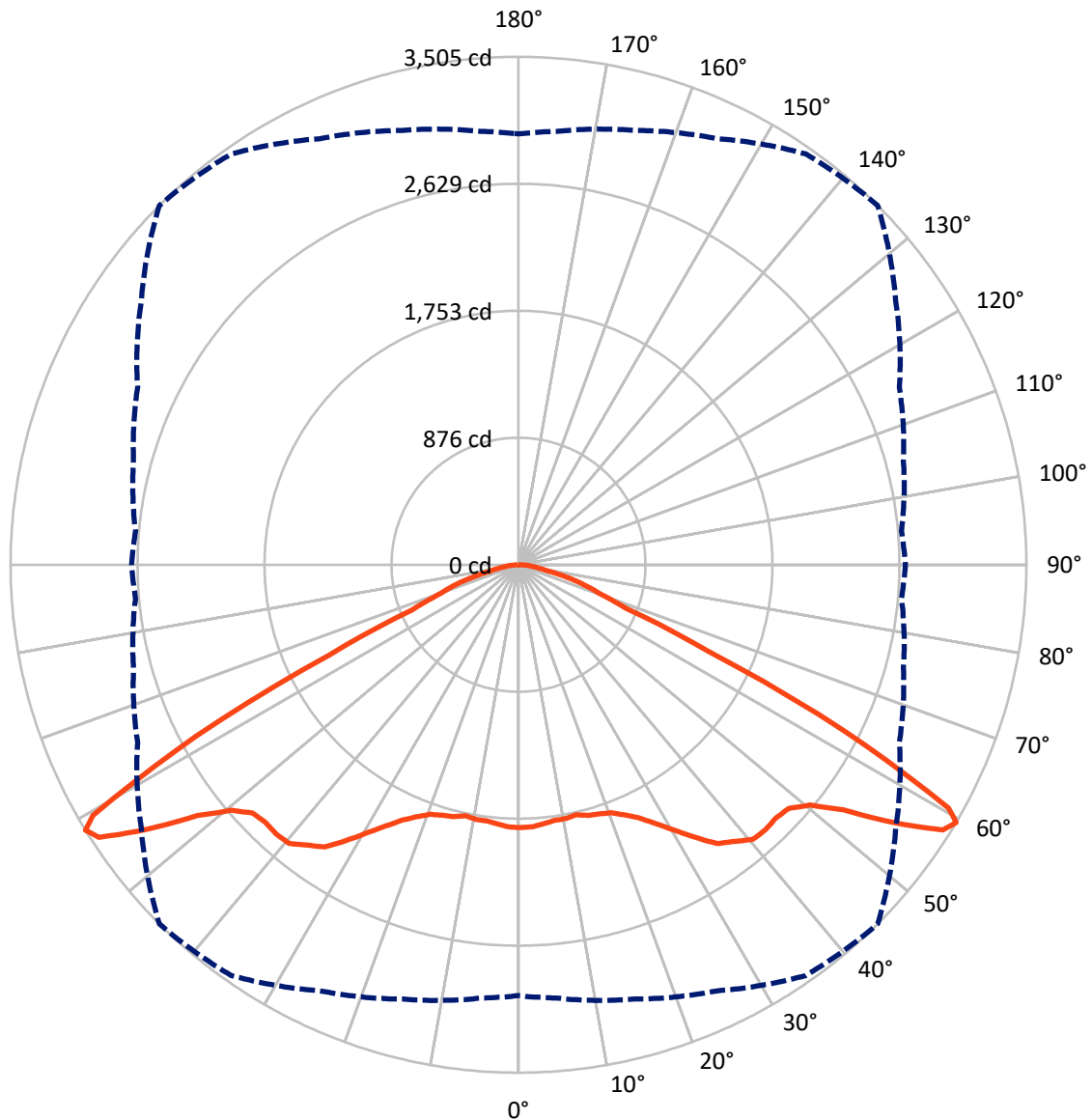
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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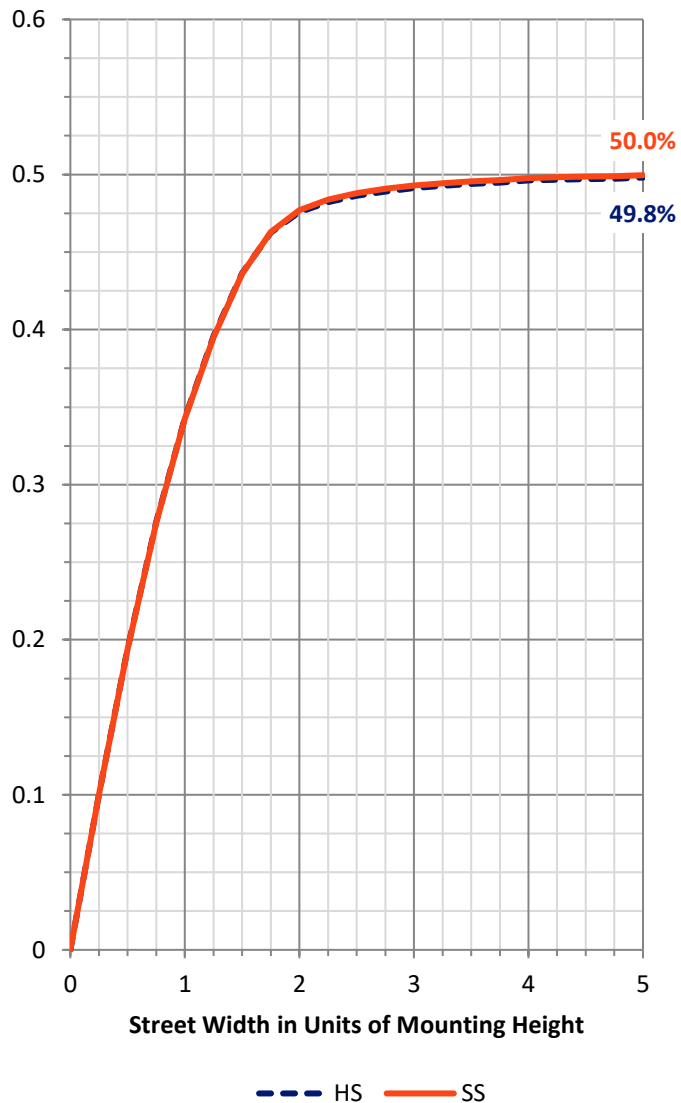
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4695.7	0.0	4695.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4695.7	0.0	4695.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9391.3	0.0	9391.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	1.8
10°-20°	508.5	5.4
20°-30°	887.9	9.5
30°-40°	1418.1	15.1
40°-50°	1931.8	20.6
50°-60°	2612.3	27.8
60°-70°	1432.6	15.3
70°-80°	366.5	3.9
80°-90°	62.5	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°	9391.3	100.0
0°-180°	9391.3	100.0

Coefficient of Utilization

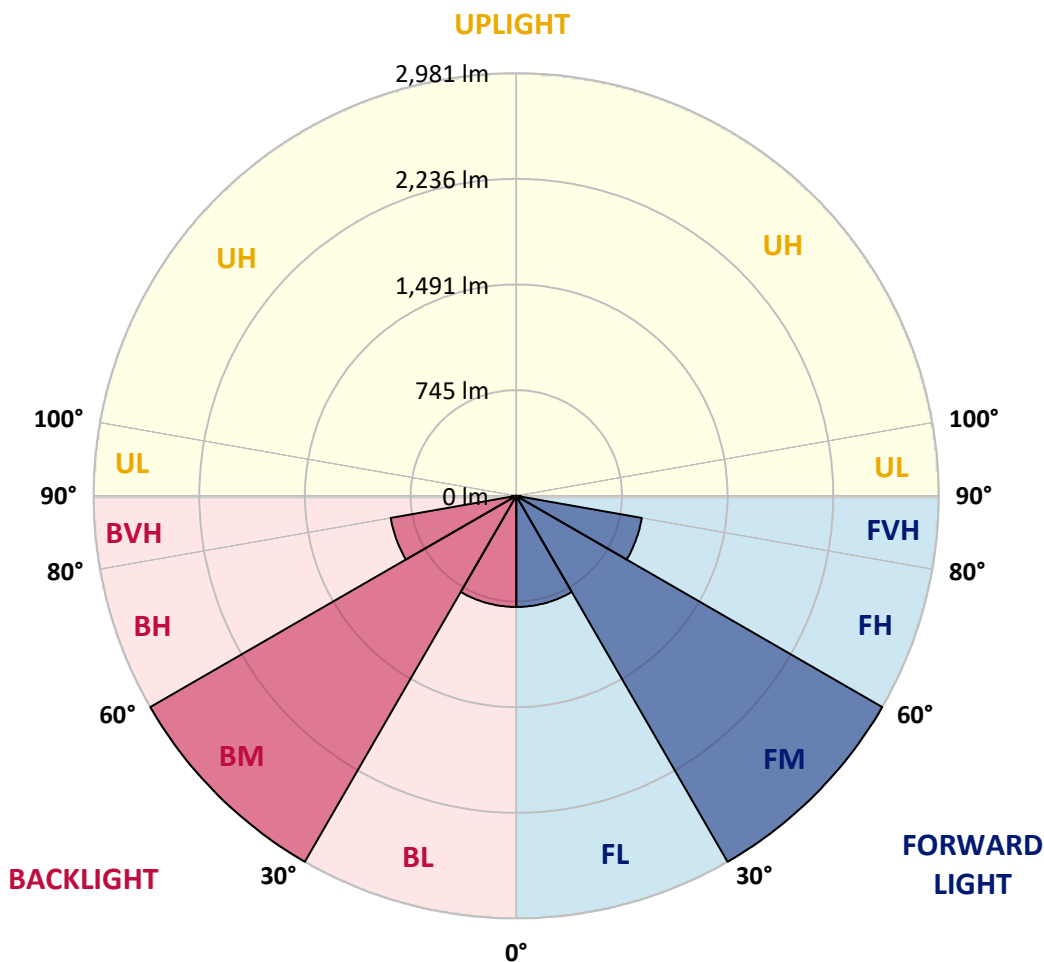


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	783.7	8.3			
FM (30°-60°)	2981.1	31.7			
FH (60°-80°)	899.5	9.6			G1/1800
FVH (80°-90°)	31.3	0.3			G1/100
BL (0°-30°)	783.7	8.3	B2/1000		
BM (30°-60°)	2981.1	31.7	B3/5000		
BH (60°-80°)	899.5	9.6	B2/1000		G1/1800
BVH (80°-90°)	31.3	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°	1814.0	1814.0	1814.0	1814.0	1814.0	1814.0	1814.0	1814.0	1814.0	1814.0	1814.0
2.5°	1803.1	1816.3	1806.7	1815.2	1814.0	1810.4	1804.3	1800.7	1795.9	1803.1	1791.1
5°	1795.9	1806.7	1817.6	1803.1	1803.1	1795.9	1792.3	1785.1	1785.1	1783.8	1782.7
7.5°	1807.9	1797.1	1792.3	1794.7	1797.1	1781.5	1792.3	1777.8	1765.8	1774.2	1783.8
10°	1797.1	1801.9	1783.8	1792.3	1779.1	1781.5	1774.2	1783.8	1770.6	1770.6	1770.6
12.5°	1807.9	1794.7	1800.7	1794.7	1791.1	1770.6	1780.2	1769.4	1768.2	1780.2	1769.4
15°	1829.6	1807.9	1803.1	1791.1	1794.7	1794.7	1785.1	1786.3	1773.0	1780.2	1782.7
17.5°	1822.4	1810.4	1806.7	1792.3	1804.3	1807.9	1789.9	1777.8	1786.3	1785.1	1783.8
20°	1828.4	1833.2	1829.6	1832.0	1836.8	1827.2	1810.4	1793.5	1782.7	1798.3	1797.1
22.5°	1866.9	1862.1	1859.7	1857.3	1865.7	1875.4	1852.5	1826.0	1826.0	1836.8	1841.6
25°	1898.2	1897.0	1895.8	1906.6	1935.5	1935.5	1906.6	1872.9	1864.5	1871.8	1865.7
27.5°	1944.0	1957.2	1952.4	1971.6	2013.8	2023.4	1984.9	1945.1	1922.3	1913.9	1924.7
30°	2048.6	2033.1	2036.7	2057.1	2094.4	2125.7	2066.7	2024.6	1993.3	1992.1	1996.9
32.5°	2118.5	2130.5	2141.3	2160.6	2219.6	2243.7	2172.7	2104.0	2084.8	2073.9	2077.5
35°	2258.1	2247.3	2244.9	2264.1	2323.1	2362.9	2273.8	2213.5	2188.3	2212.4	2212.4
37.5°	2390.5	2360.4	2337.6	2362.9	2417.0	2421.8	2345.9	2313.5	2300.2	2327.9	2326.7
40°	2453.1	2450.7	2397.7	2412.2	2484.4	2491.7	2420.6	2382.1	2379.7	2415.8	2451.9
42.5°	2518.1	2495.3	2442.3	2451.9	2496.4	2498.9	2431.4	2420.6	2447.1	2482.0	2484.4
45°	2528.9	2509.7	2476.0	2451.9	2484.4	2491.7	2451.9	2459.1	2461.5	2503.6	2503.6
47.5°	2550.6	2548.2	2528.9	2510.8	2516.9	2510.8	2485.6	2496.4	2532.5	2553.0	2543.4
50°	2610.8	2585.5	2604.8	2589.1	2590.3	2607.2	2584.3	2595.2	2587.9	2569.9	2557.8
52.5°	2743.2	2731.2	2748.0	2758.8	2770.9	2809.4	2782.9	2725.2	2671.0	2622.8	2621.6
55°	2937.0	2945.4	2977.9	3033.3	3080.2	3141.6	3014.0	2875.6	2789.0	2713.1	2717.9
57.5°	3119.9	3113.9	3158.5	3284.8	3422.1	3453.3	3203.0	3005.6	2864.8	2816.6	2796.2
59°	2973.1	3002.0	3103.1	3243.9	3459.4	3505.1	3177.7	2899.7	2750.4	2652.9	2669.8
60°	2742.0	2752.8	2843.1	3039.3	3330.6	3408.9	3008.0	2736.0	2537.4	2480.8	2506.1
62.5°	1937.9	1929.5	1994.5	2154.6	2415.8	2521.7	2236.4	2045.0	1919.8	1857.3	1871.8
65°	1030.3	1068.9	1095.3	1195.2	1333.7	1445.7	1327.7	1244.6	1174.8	1123.1	1121.8
67.5°	695.7	690.9	696.9	719.8	766.7	798.0	795.6	753.5	747.5	737.8	748.7
70°	586.2	583.8	572.9	572.9	582.6	589.8	598.2	603.1	612.7	624.7	623.5
72.5°	475.4	469.4	462.2	458.6	470.7	474.3	485.1	489.9	498.3	497.1	507.9
75°	314.1	314.1	322.6	332.2	335.8	343.0	344.3	358.7	358.7	361.1	351.5
77.5°	175.7	170.9	177.0	186.6	195.0	208.2	221.5	232.3	238.3	235.9	235.9
80°	102.3	102.3	108.4	119.2	130.0	142.0	151.7	160.1	166.1	163.7	158.9
82.5°	63.8	63.8	69.8	80.6	89.1	96.3	109.5	120.3	127.6	125.2	119.2
85°	32.5	32.5	39.7	47.0	57.8	62.6	61.4	56.6	55.4	49.3	49.3
87.5°	8.5	8.5	12.1	13.2	10.8	12.1	12.1	12.1	12.1	12.1	13.2
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)