

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: P527290

Luminaire Tested: **GALN-SA2B-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527290
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-SA2B-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 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: 9708 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

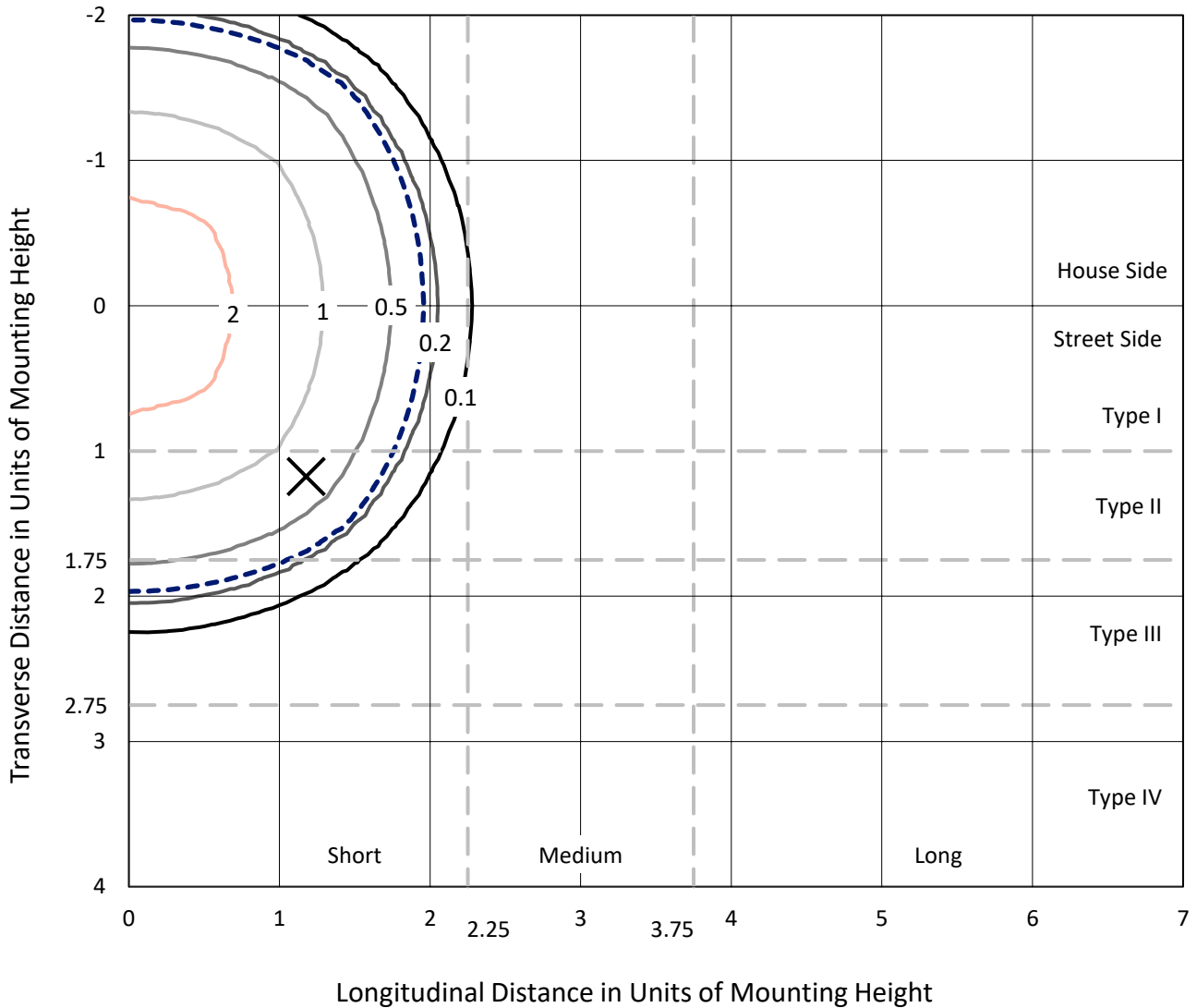
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

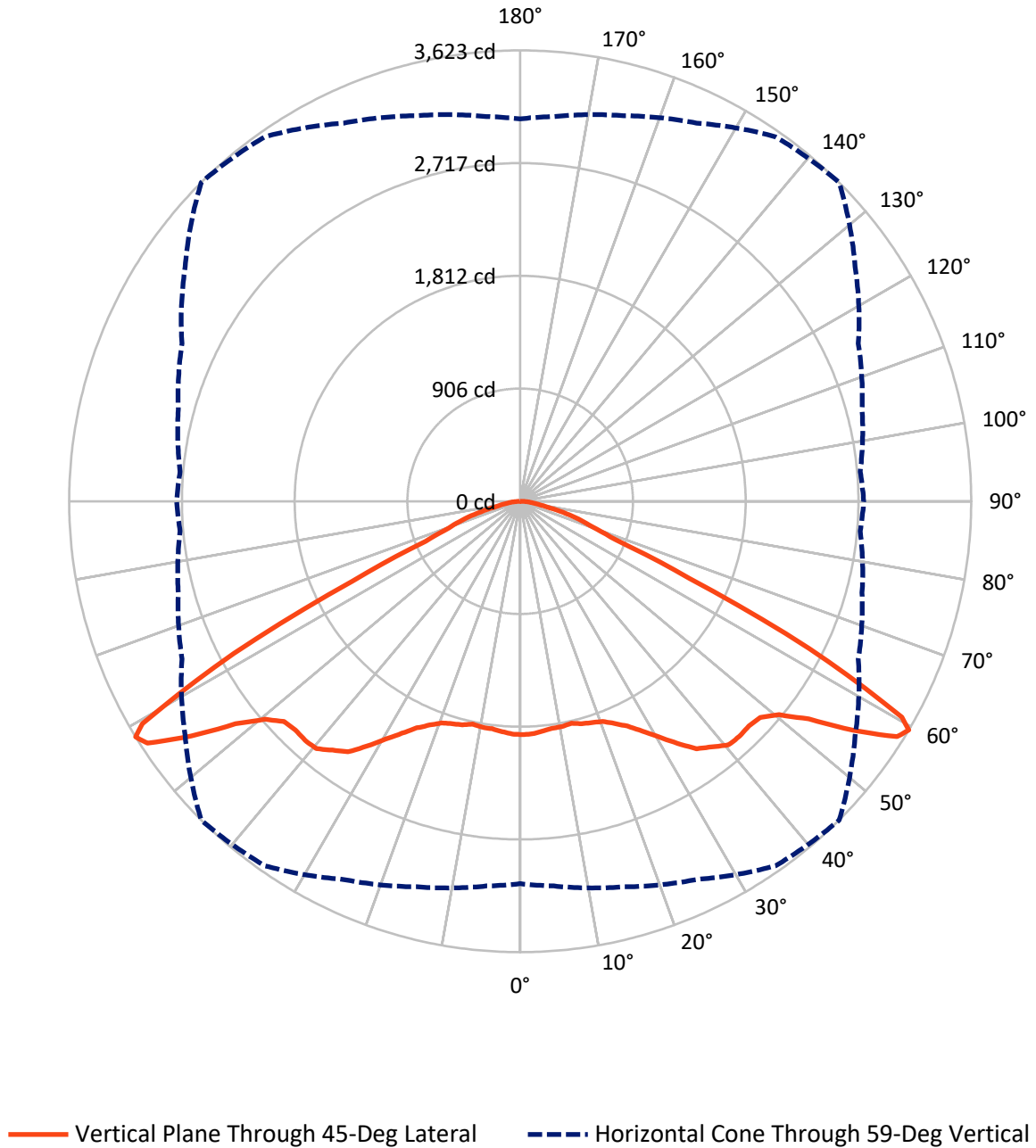
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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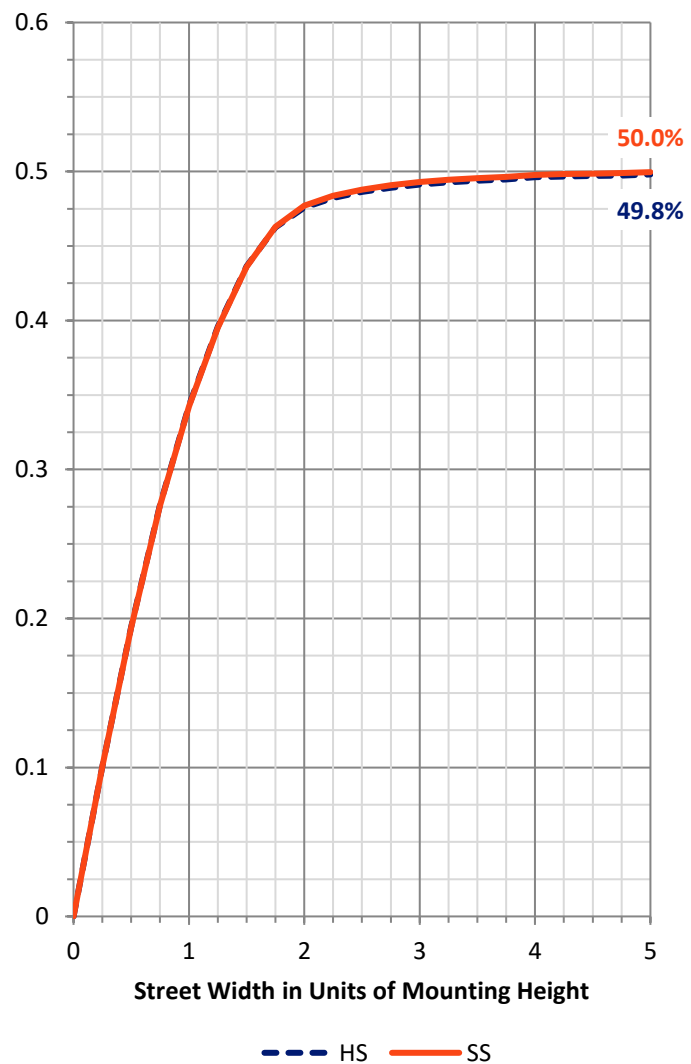
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4854.0	0.0	4854.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4854.0	0.0	4854.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9708.0	0.0	9708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	1.8
10°-20°	525.7	5.4
20°-30°	917.9	9.5
30°-40°	1466.0	15.1
40°-50°	1996.9	20.6
50°-60°	2700.4	27.8
60°-70°	1480.9	15.3
70°-80°	378.9	3.9
80°-90°	64.6	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°	9708.0	100.0
0°-180°	9708.0	100.0

Coefficient of Utilization

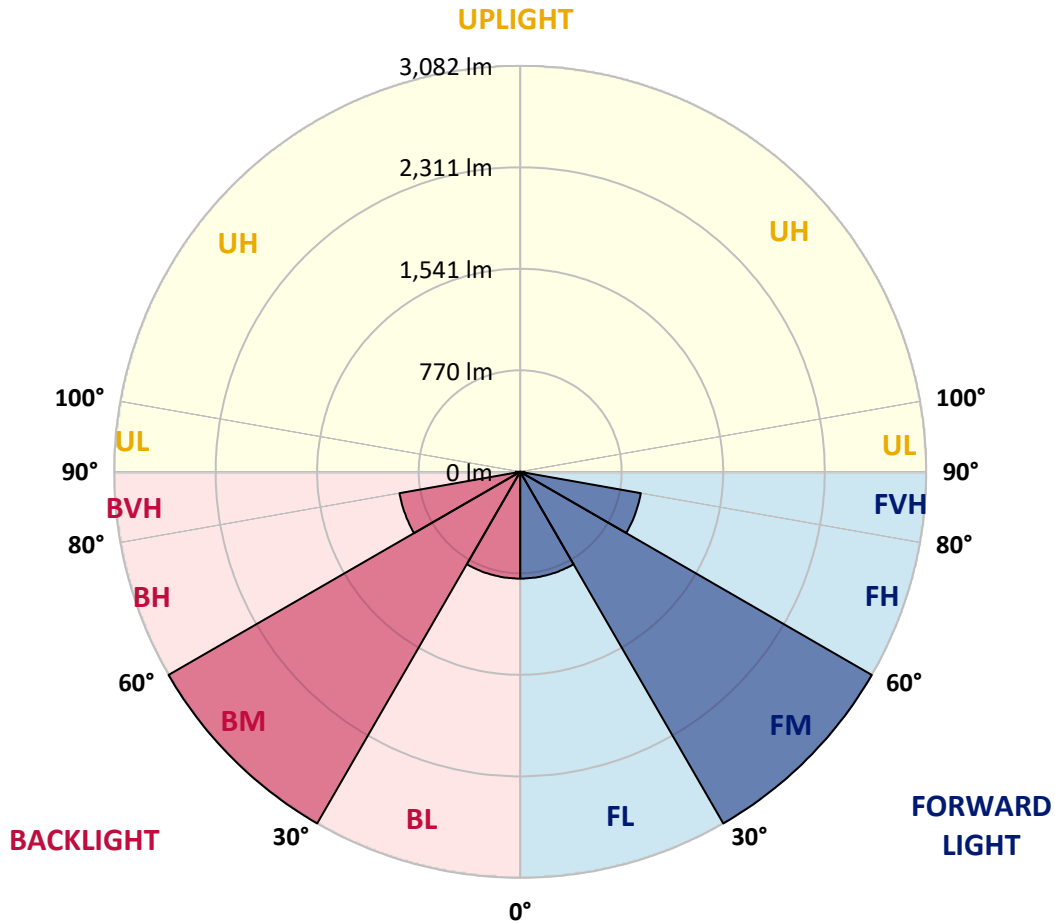


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.1	8.3			
FM (30°-60°)	3081.7	31.7			
FH (60°-80°)	929.9	9.6			G1/1800
FVH (80°-90°)	32.3	0.3			G1/100
BL (0°-30°)	810.1	8.3	B2/1000		
BM (30°-60°)	3081.7	31.7	B3/5000		
BH (60°-80°)	929.9	9.6	B2/1000		G1/1800
BVH (80°-90°)	32.3	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°	1875.1	1875.1	1875.1	1875.1	1875.1	1875.1	1875.1	1875.1	1875.1	1875.1	1875.1
2.5°	1863.9	1877.6	1867.7	1876.4	1875.1	1871.4	1865.2	1861.4	1856.5	1863.9	1851.5
5°	1856.5	1867.7	1878.9	1863.9	1863.9	1856.5	1852.7	1845.3	1845.3	1844.0	1842.8
7.5°	1868.9	1857.7	1852.7	1855.2	1857.7	1841.5	1852.7	1837.8	1825.4	1834.1	1844.0
10°	1857.7	1862.7	1844.0	1852.7	1839.0	1841.5	1834.1	1844.0	1830.3	1830.3	1830.3
12.5°	1868.9	1855.2	1861.4	1855.2	1851.5	1830.3	1840.3	1829.1	1827.8	1840.3	1829.1
15°	1891.3	1868.9	1863.9	1851.5	1855.2	1855.2	1845.3	1846.5	1832.8	1840.3	1842.8
17.5°	1883.8	1871.4	1867.7	1852.7	1865.2	1868.9	1850.2	1837.8	1846.5	1845.3	1844.0
20°	1890.1	1895.0	1891.3	1893.8	1898.8	1888.8	1871.4	1854.0	1842.8	1858.9	1857.7
22.5°	1929.9	1924.9	1922.4	1919.9	1928.6	1938.6	1914.9	1887.6	1887.6	1898.8	1903.7
25°	1962.2	1961.0	1959.7	1970.9	2000.8	2000.8	1970.9	1936.1	1927.4	1934.8	1928.6
27.5°	2009.5	2023.2	2018.2	2038.1	2081.7	2091.6	2051.8	2010.7	1987.1	1978.4	1989.6
30°	2117.8	2101.6	2105.3	2126.5	2165.0	2197.4	2136.4	2092.9	2060.5	2059.3	2064.3
32.5°	2189.9	2202.4	2213.6	2233.5	2294.4	2319.3	2245.9	2175.0	2155.1	2143.9	2147.6
35°	2334.3	2323.1	2320.6	2340.5	2401.4	2442.5	2350.4	2288.2	2262.1	2287.0	2287.0
37.5°	2471.1	2440.0	2416.4	2442.5	2498.5	2503.5	2425.1	2391.5	2377.8	2406.4	2405.2
40°	2535.8	2533.3	2478.6	2493.5	2568.2	2575.6	2502.2	2462.4	2459.9	2497.3	2534.6
42.5°	2603.0	2579.4	2524.6	2534.6	2580.6	2583.1	2513.4	2502.2	2529.6	2565.7	2568.2
45°	2614.2	2594.3	2559.5	2534.6	2568.2	2575.6	2534.6	2542.1	2544.5	2588.1	2588.1
47.5°	2636.6	2634.1	2614.2	2595.6	2601.8	2595.6	2569.4	2580.6	2618.0	2639.1	2629.2
50°	2698.8	2672.7	2692.6	2676.4	2677.7	2695.1	2671.5	2682.7	2675.2	2656.5	2644.1
52.5°	2835.7	2823.3	2840.7	2851.9	2864.3	2904.1	2876.8	2817.0	2761.0	2711.3	2710.0
55°	3036.0	3044.7	3078.3	3135.6	3184.1	3247.6	3115.7	2972.6	2883.0	2804.6	2809.6
57.5°	3225.2	3218.9	3265.0	3395.6	3537.5	3569.8	3311.0	3107.0	2961.4	2911.6	2890.4
59°	3073.4	3103.2	3207.7	3353.3	3576.0	3623.3	3284.9	2997.5	2843.2	2742.4	2759.8
60°	2834.5	2845.7	2939.0	3141.8	3442.9	3523.8	3109.4	2828.2	2622.9	2564.4	2590.6
62.5°	2003.3	1994.6	2061.8	2227.3	2497.3	2606.8	2311.9	2114.0	1984.6	1919.9	1934.8
65°	1065.1	1104.9	1132.3	1235.6	1378.7	1494.4	1372.4	1286.6	1214.4	1160.9	1159.7
67.5°	719.2	714.2	720.4	744.1	792.6	825.0	822.5	778.9	772.7	762.7	773.9
70°	606.0	603.5	592.3	592.3	602.2	609.7	618.4	623.4	633.3	645.8	644.5
72.5°	491.5	485.3	477.8	474.1	486.5	490.2	501.4	506.4	515.1	513.9	525.1
75°	324.8	324.8	333.5	343.4	347.2	354.6	355.9	370.8	370.8	373.3	363.3
77.5°	181.7	176.7	182.9	192.9	201.6	215.3	228.9	240.1	246.4	243.9	243.9
80°	105.8	105.8	112.0	123.2	134.4	146.8	156.8	165.5	171.7	169.2	164.2
82.5°	65.9	65.9	72.2	83.4	92.1	99.5	113.2	124.4	131.9	129.4	123.2
85°	33.6	33.6	41.1	48.5	59.7	64.7	63.5	58.5	57.2	51.0	51.0
87.5°	8.7	8.7	12.4	13.7	11.2	12.4	12.4	12.4	12.4	12.4	13.7
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)