

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: P527234

Luminaire Tested: **GALN-SA2B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527234
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-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 9198 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

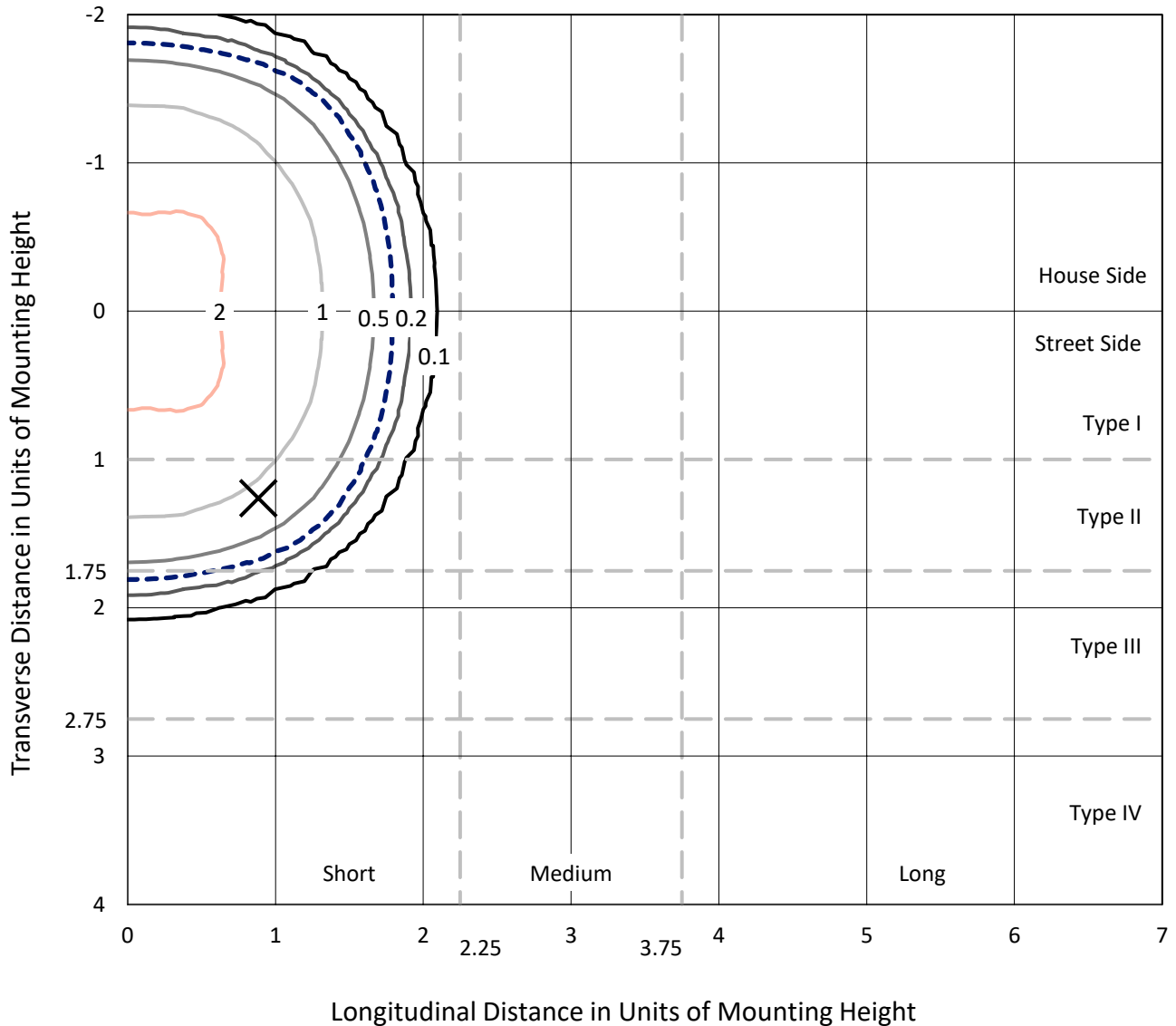
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

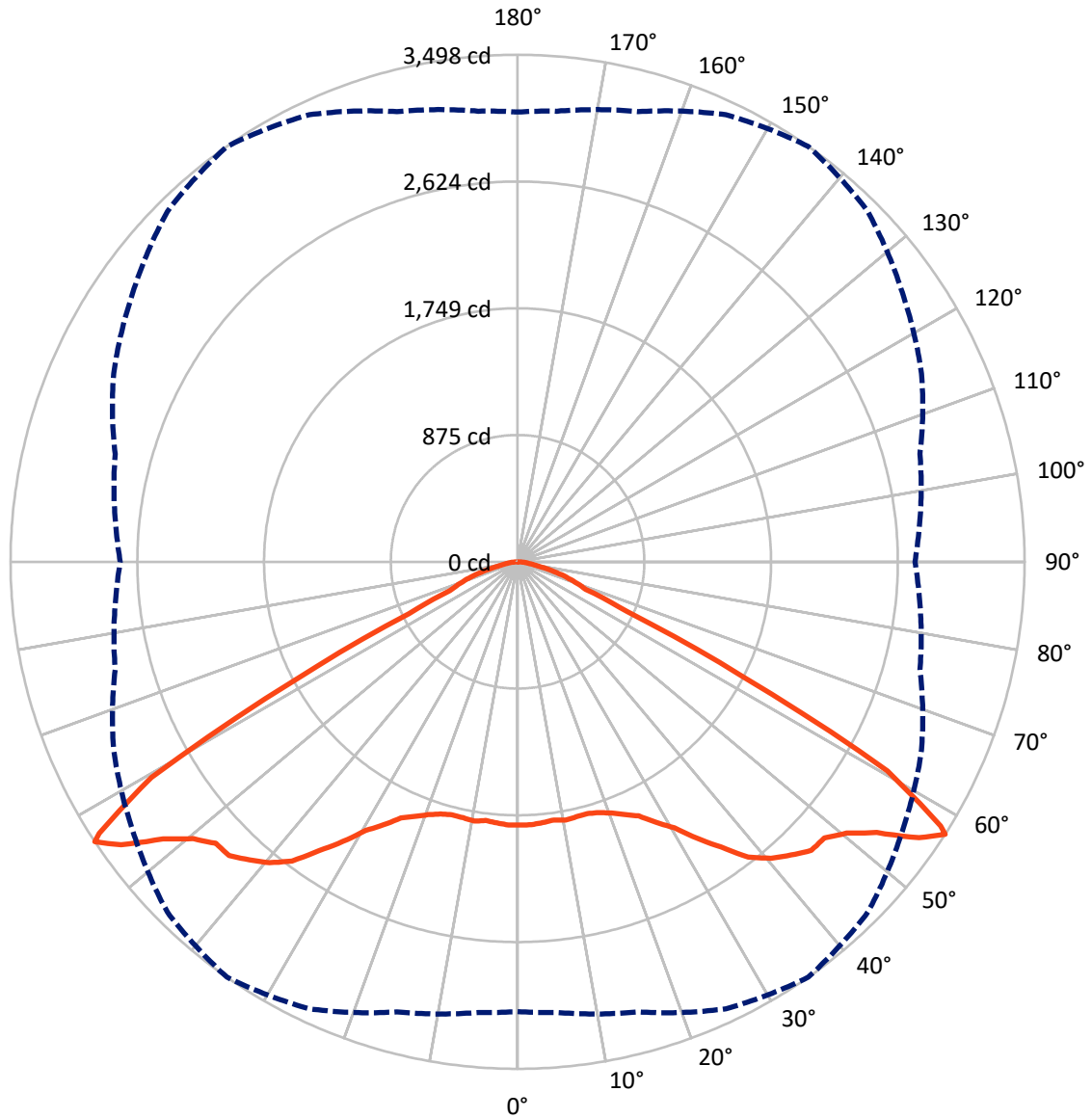
× Max cd
 - - - 1/2 Max cd



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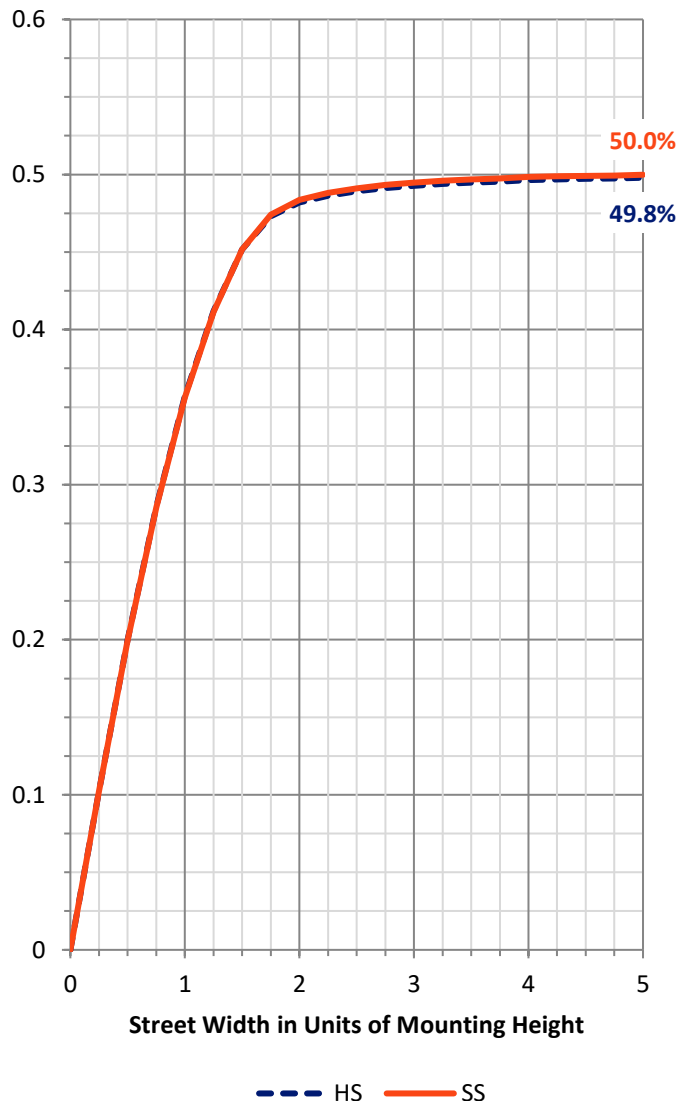
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4599.0	0.0	4599.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4599.0	0.0	4599.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9198.0	0.0	9198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.2	1.9
10°-20°	510.0	5.5
20°-30°	890.8	9.7
30°-40°	1459.6	15.9
40°-50°	2140.1	23.3
50°-60°	2695.6	29.3
60°-70°	1013.8	11.0
70°-80°	269.6	2.9
80°-90°	46.2	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°	9198.0	100.0
0°-180°	9198.0	100.0

Coefficient of Utilization

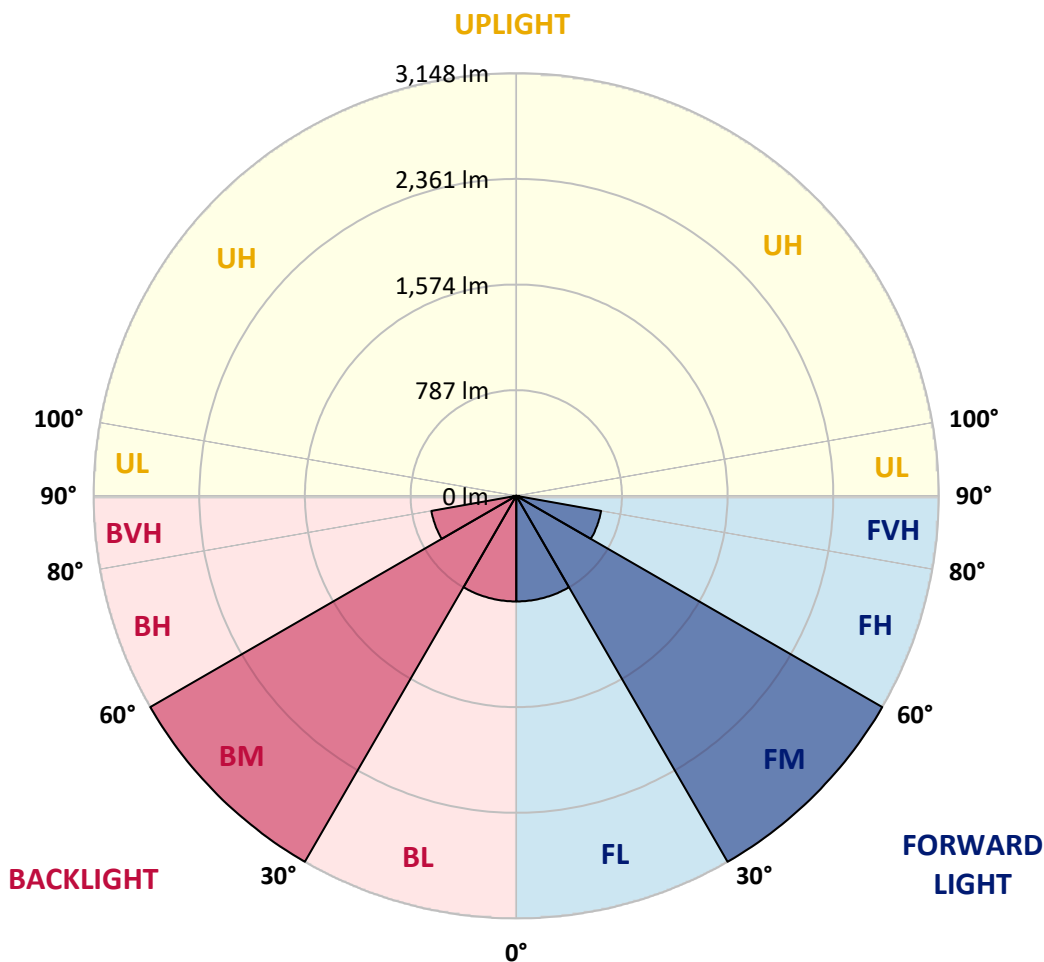


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.5	8.6			
FM (30°-60°)	3147.7	34.2			
FH (60°-80°)	641.7	7.0			G0/660
FVH (80°-90°)	23.1	0.3			G1/100
BL (0°-30°)	786.5	8.6	B2/1000		
BM (30°-60°)	3147.7	34.2	B3/5000		
BH (60°-80°)	641.7	7.0	B2/1000		G0/660
BVH (80°-90°)	23.1	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°	1816.5	1816.5	1816.5	1816.5	1816.5	1816.5	1816.5	1816.5	1816.5	1816.5	1816.5
2.5°	1807.5	1825.6	1817.7	1813.1	1816.5	1810.9	1801.8	1812.0	1809.7	1800.7	1797.3
5°	1802.9	1816.5	1807.5	1816.5	1807.5	1823.3	1818.8	1801.8	1822.2	1802.9	1809.7
7.5°	1799.5	1804.1	1806.3	1801.8	1798.4	1817.7	1807.5	1799.5	1788.2	1784.8	1790.5
10°	1791.6	1802.9	1785.9	1808.6	1813.1	1799.5	1799.5	1784.8	1775.7	1770.1	1789.3
12.5°	1812.0	1792.7	1790.5	1801.8	1805.2	1810.9	1795.0	1787.1	1770.1	1772.3	1768.9
15°	1788.2	1796.1	1797.3	1799.5	1802.9	1816.5	1801.8	1784.8	1778.0	1754.2	1756.5
17.5°	1797.3	1789.3	1797.3	1823.3	1818.8	1829.0	1813.1	1787.1	1771.2	1757.6	1775.7
20°	1813.1	1809.7	1813.1	1844.9	1850.5	1859.6	1846.0	1822.2	1791.6	1775.7	1784.8
22.5°	1830.1	1827.9	1830.1	1860.7	1893.6	1904.9	1891.3	1835.8	1819.9	1790.5	1780.3
25°	1860.7	1863.0	1886.8	1920.8	1942.3	1963.9	1938.9	1899.3	1848.3	1830.1	1808.6
27.5°	1928.7	1934.4	1948.0	1997.9	2035.2	2054.5	2019.4	1965.0	1933.3	1895.9	1890.2
30°	2012.6	2012.6	2036.4	2079.4	2130.4	2159.9	2116.8	2052.2	2013.7	1993.3	1980.9
32.5°	2123.6	2111.2	2120.2	2196.2	2275.5	2300.4	2242.6	2163.3	2102.1	2074.9	2065.8
35°	2218.8	2226.8	2247.2	2328.7	2417.1	2474.9	2384.3	2281.2	2218.8	2193.9	2189.4
37.5°	2342.3	2355.9	2366.1	2478.3	2584.9	2606.4	2519.1	2436.4	2360.5	2340.1	2328.7
40°	2516.9	2507.8	2511.2	2593.9	2690.2	2703.8	2617.7	2558.8	2496.5	2484.0	2484.0
42.5°	2660.8	2650.6	2661.9	2692.5	2766.2	2756.0	2708.4	2665.3	2639.2	2625.6	2639.2
45°	2748.0	2745.8	2766.2	2788.8	2841.0	2807.0	2769.6	2776.4	2751.4	2728.8	2727.6
47.5°	2843.2	2828.5	2853.4	2887.4	2847.8	2831.9	2829.6	2844.4	2836.4	2796.8	2784.3
50°	2889.7	2884.0	2923.7	2963.3	2941.8	2905.6	2913.5	2937.3	2835.3	2782.0	2751.4
52.5°	3014.3	3015.5	3091.4	3112.9	3103.9	3050.6	3067.6	3003.0	2882.9	2808.1	2811.5
55°	3210.4	3202.5	3287.4	3350.9	3361.1	3293.1	3211.5	3120.9	2970.1	2894.2	2871.6
57°	3102.7	3120.9	3214.9	3403.0	3498.2	3417.8	3239.9	3074.4	2873.8	2782.0	2741.2
57.5°	2958.8	2988.3	3151.5	3340.7	3440.4	3433.6	3204.7	2988.3	2809.2	2666.4	2669.8
60°	2167.8	2173.5	2320.8	2621.1	2932.8	2939.5	2660.8	2374.1	2174.6	2019.4	2040.9
62.5°	1143.4	1169.5	1228.4	1469.8	1739.5	1805.2	1636.4	1489.0	1316.8	1198.9	1210.3
65°	605.1	601.7	630.1	698.1	830.6	864.6	842.0	725.3	665.2	645.9	647.1
67.5°	491.8	497.5	494.1	497.5	506.5	521.3	517.9	522.4	525.8	531.5	530.3
70°	417.0	417.0	419.3	420.4	420.4	427.2	435.2	449.9	451.0	456.7	459.0
72.5°	328.6	326.4	329.8	337.7	338.8	344.5	355.8	364.9	368.3	368.3	361.5
75°	223.2	225.5	230.0	236.8	243.6	253.8	262.9	268.6	270.8	267.4	264.0
77.5°	125.8	128.1	131.5	141.7	149.6	158.6	168.8	174.5	180.2	181.3	174.5
80°	74.8	74.8	80.5	88.4	97.5	106.5	115.6	122.4	124.7	124.7	121.3
82.5°	45.3	46.5	51.0	58.9	66.9	72.5	80.5	86.1	90.7	89.5	87.3
85°	23.8	23.8	28.3	35.1	40.8	46.5	46.5	43.1	40.8	35.1	32.9
87.5°	7.9	6.8	9.1	9.1	7.9	9.1	9.1	10.2	10.2	10.2	10.2
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)