

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639225

Luminaire Tested: GWS-SA5B-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18387.8 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

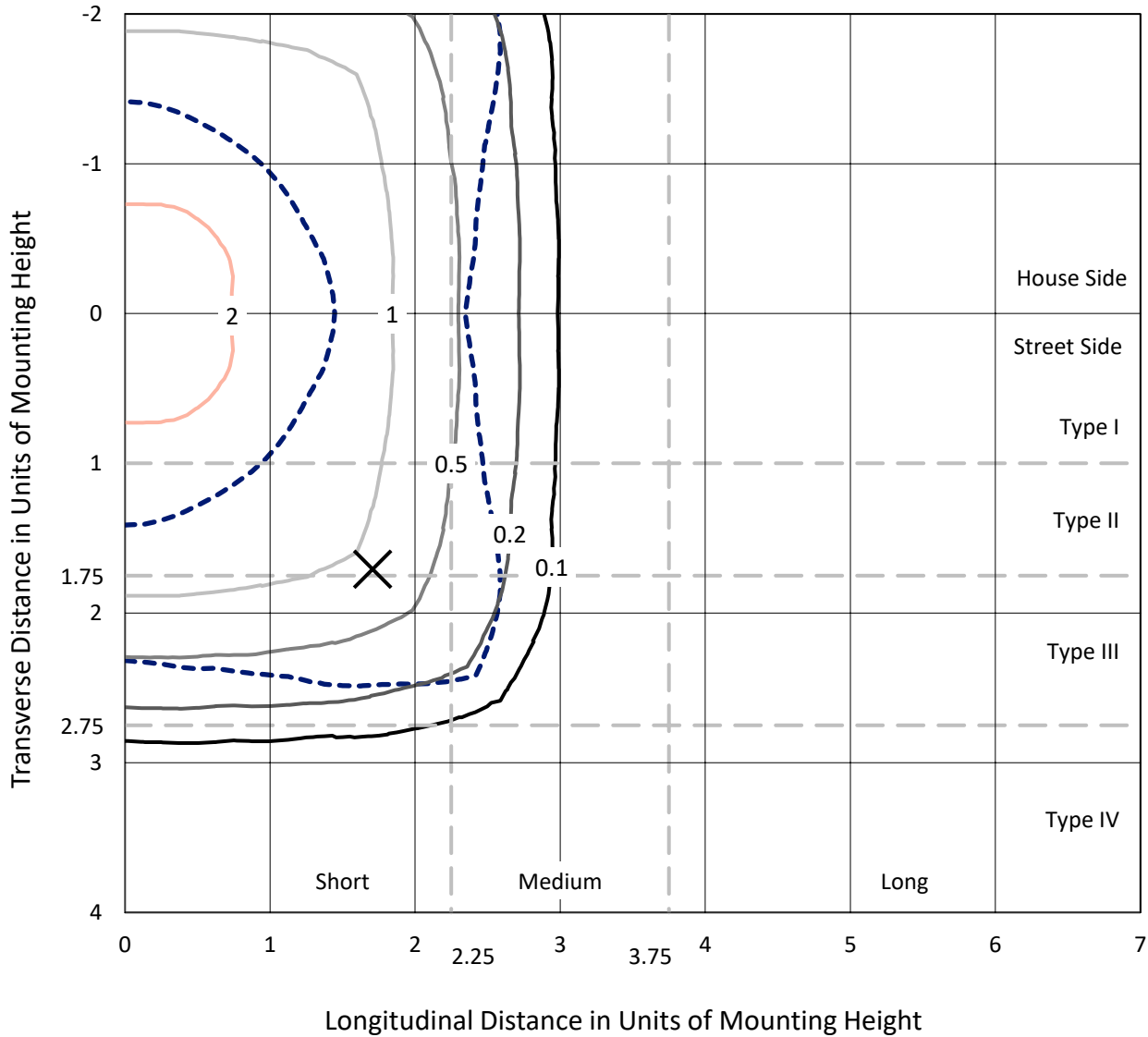
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

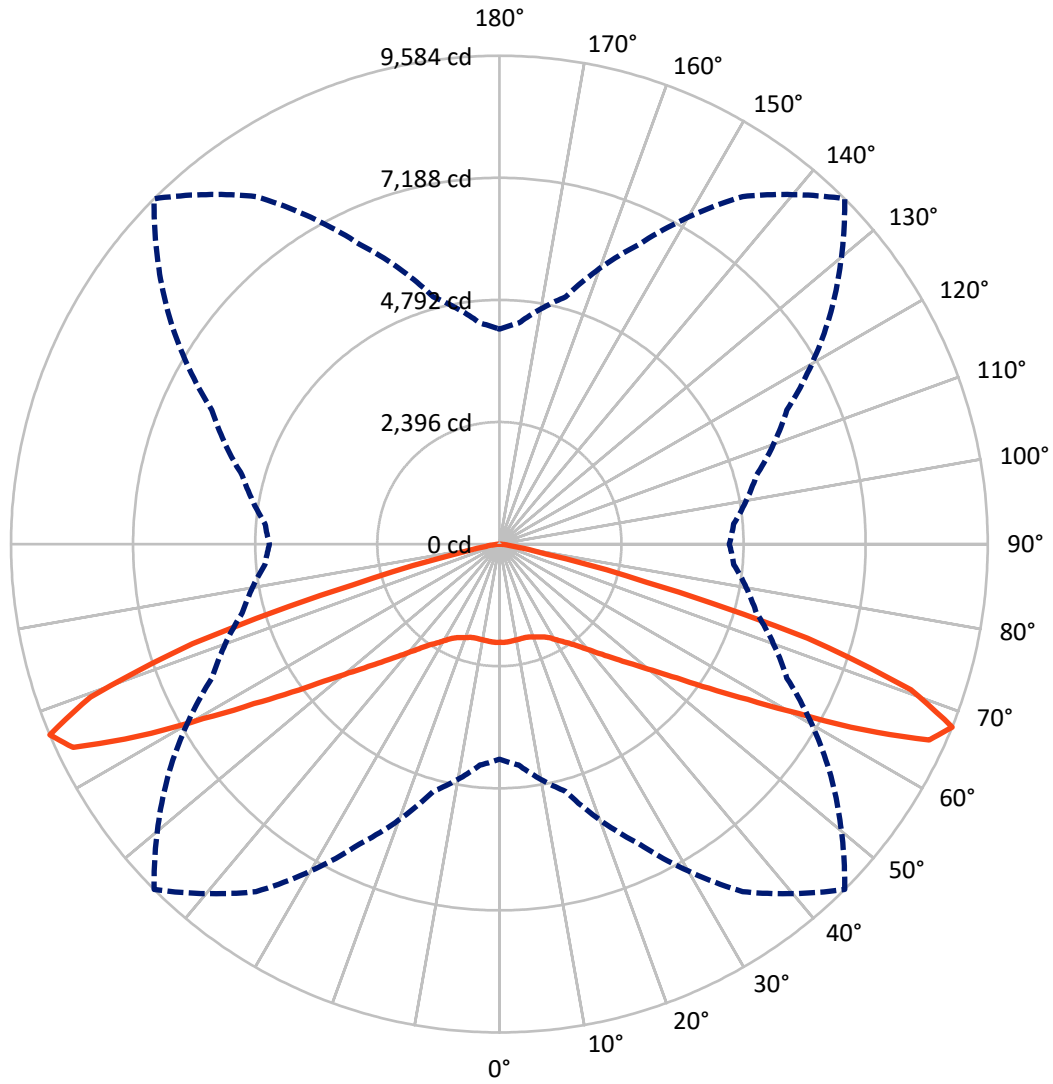
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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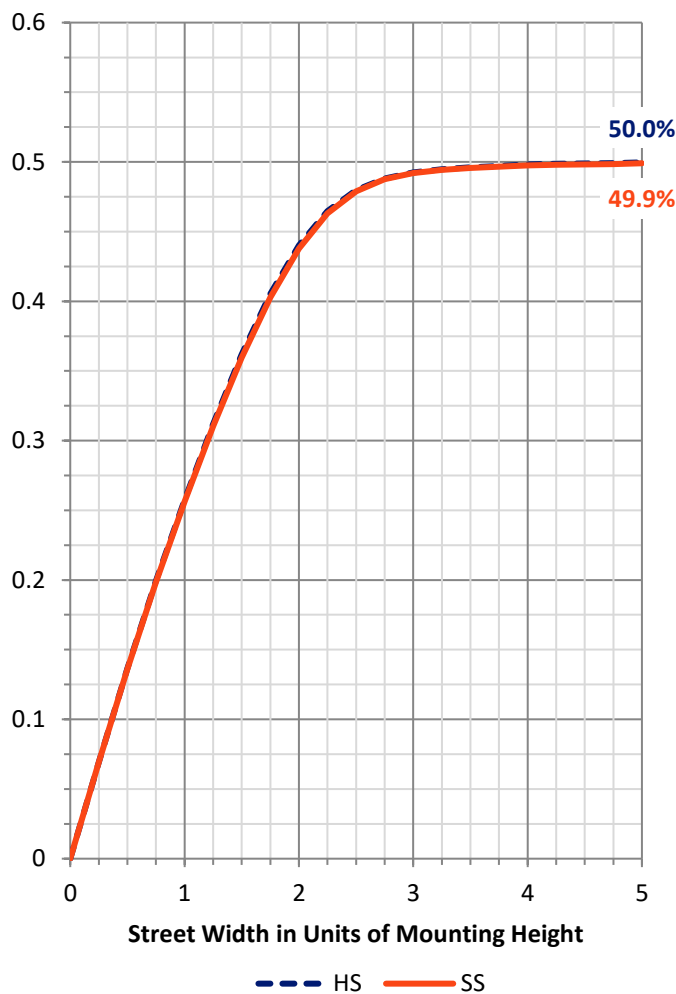
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9193.9	0.0	9193.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9193.9	0.0	9193.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	18387.8	0.0	18387.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	1.0
10°-20°	535.3	2.9
20°-30°	923.3	5.0
30°-40°	1501.3	8.2
40°-50°	2528.0	13.7
50°-60°	4479.1	24.4
60°-70°	6402.5	34.8
70°-80°	1757.2	9.6
80°-90°	78.7	0.4
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°	18387.8	100.0
0°-180°	18387.8	100.0

Coefficient of Utilization



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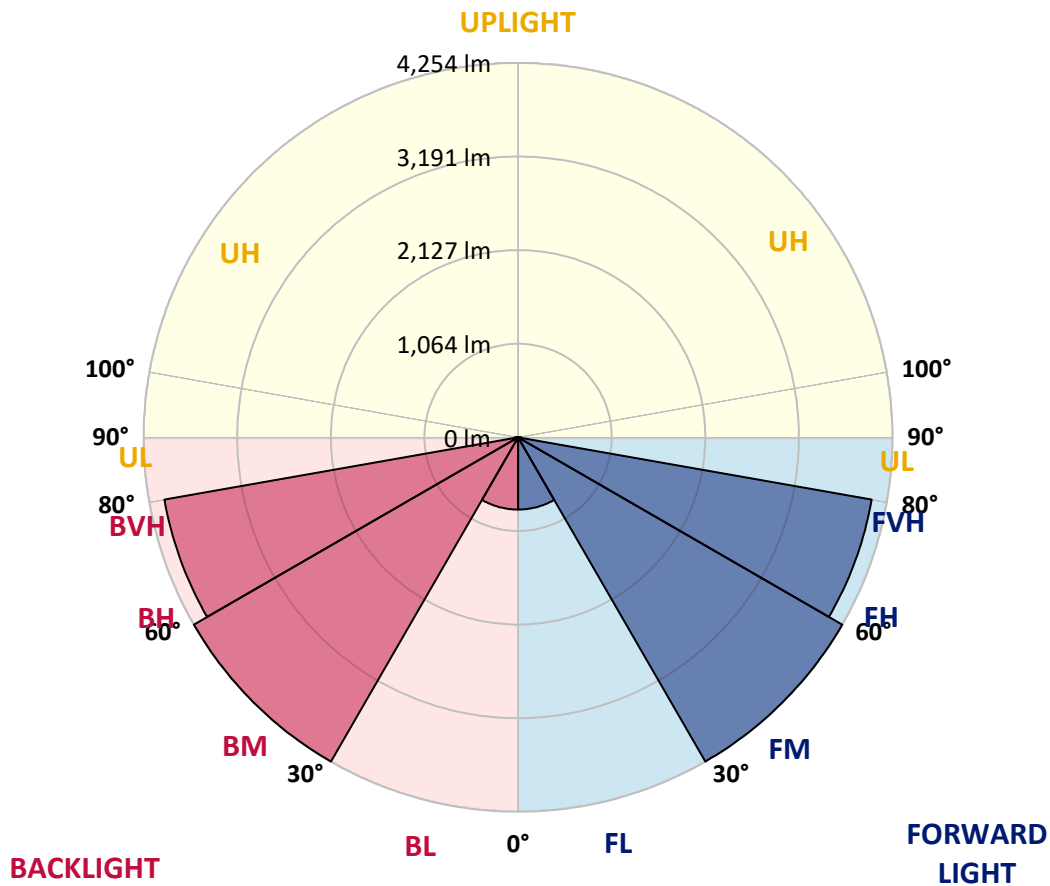
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.5	4.5			
FM (30°-60°)	4254.2	23.1			
FH (60°-80°)	4079.9	22.2			G2/5000
FVH (80°-90°)	39.4	0.2			G1/100
BL (0°-30°)	820.5	4.5	B2/1000		
BM (30°-60°)	4254.2	23.1	B3/5000		
BH (60°-80°)	4079.9	22.2	B4/5000		G2/5000
BVH (80°-90°)	39.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1925.8	1925.8	1925.8	1925.8	1925.8	1925.8	1925.8	1925.8	1925.8	1925.8	1925.8
2.5°	1913.1	1911.8	1918.2	1922.0	1920.7	1929.6	1928.3	1925.8	1925.8	1922.0	1932.2
5°	1913.1	1911.8	1916.9	1918.2	1915.6	1923.3	1920.7	1918.2	1918.2	1913.1	1922.0
7.5°	1902.9	1904.2	1908.0	1910.5	1908.0	1914.3	1910.5	1905.4	1904.2	1899.1	1908.0
10°	1883.8	1885.1	1888.9	1895.3	1896.5	1908.0	1901.6	1892.7	1888.9	1883.8	1892.7
12.5°	1872.3	1873.6	1877.4	1885.1	1887.6	1902.9	1896.5	1882.5	1876.2	1871.1	1880.0
15°	1869.8	1871.1	1876.2	1883.8	1887.6	1902.9	1896.5	1880.0	1871.1	1864.7	1872.3
17.5°	1869.8	1872.3	1880.0	1891.4	1899.1	1914.3	1906.7	1887.6	1874.9	1863.4	1871.1
20°	1871.1	1874.9	1886.3	1902.9	1922.0	1943.6	1933.4	1908.0	1890.2	1876.2	1881.2
22.5°	1882.5	1888.9	1902.9	1924.5	1952.5	1978.0	1969.1	1934.7	1909.3	1890.2	1895.3
25°	1922.0	1924.5	1942.3	1970.3	1997.1	2018.7	2009.8	1978.0	1946.2	1923.3	1929.6
27.5°	1992.0	1998.3	2013.6	2042.9	2065.8	2077.3	2076.0	2054.4	2022.5	2002.2	2007.3
30°	2076.0	2082.4	2102.7	2135.8	2158.7	2171.5	2167.6	2151.1	2121.8	2093.8	2098.9
32.5°	2174.0	2176.5	2200.7	2237.6	2261.8	2280.9	2268.2	2250.4	2213.5	2180.4	2182.9
35°	2298.7	2302.6	2328.0	2362.4	2381.5	2396.7	2394.2	2376.4	2336.9	2301.3	2310.2
37.5°	2455.3	2457.8	2480.8	2524.0	2539.3	2550.8	2553.3	2544.4	2503.7	2457.8	2466.8
40°	2650.0	2651.3	2676.8	2715.0	2731.5	2739.1	2740.4	2741.7	2699.7	2665.3	2662.8
42.5°	2876.6	2883.0	2918.6	2955.5	2963.2	2959.3	2972.1	2984.8	2944.1	2897.0	2900.8
45°	3147.7	3151.5	3199.9	3240.6	3226.6	3213.9	3238.1	3263.5	3226.6	3165.5	3147.7
47.5°	3468.5	3476.1	3528.3	3569.0	3546.1	3523.2	3562.7	3589.4	3529.6	3464.7	3448.1
50°	3831.2	3836.3	3910.1	3961.1	3934.3	3892.3	3942.0	3970.0	3889.8	3809.6	3774.0
52.5°	4260.2	4250.0	4348.0	4437.1	4420.6	4365.8	4406.6	4411.6	4292.0	4178.7	4143.1
55°	4783.3	4773.1	4871.1	4969.1	5009.9	4995.9	4976.8	4946.2	4769.3	4648.4	4615.3
57.5°	5393.0	5361.2	5498.6	5631.0	5720.1	5745.6	5664.1	5592.8	5452.8	5303.9	5265.7
60°	5959.4	5958.1	6175.8	6404.9	6649.3	6751.1	6544.9	6351.4	6037.1	5765.9	5711.2
62.5°	6118.5	6145.2	6501.6	7069.3	7672.6	8032.9	7489.4	6849.1	6242.0	5833.4	5760.8
65°	5726.5	5792.7	6299.3	7195.3	8386.7	9267.5	8040.5	6860.6	6014.1	5505.0	5428.6
67.5°	4220.7	4353.1	5023.9	6492.7	8325.6	9584.4	7942.5	6225.4	5223.7	4617.8	4512.2
70°	2082.4	2208.4	2740.4	4271.6	6850.4	8567.4	6872.0	4691.7	3528.3	2945.3	2848.6
72.5°	766.2	817.2	1025.9	1827.8	3780.3	6328.5	4699.3	2620.8	1709.4	1360.7	1295.7
75°	375.5	384.4	416.2	613.5	1395.0	2978.4	2208.4	1005.5	628.8	547.3	529.5
77.5°	239.3	243.1	258.4	292.8	448.0	938.1	669.5	397.1	308.0	295.3	295.3
80°	133.6	137.5	157.8	182.0	210.0	322.0	240.6	238.0	202.4	176.9	173.1
82.5°	63.6	70.0	100.6	99.3	110.7	161.6	141.3	128.6	129.8	98.0	92.9
85°	29.3	29.3	39.5	47.1	49.6	54.7	64.9	73.8	72.6	49.6	53.5
87.5°	14.0	14.0	14.0	12.7	11.5	10.2	14.0	22.9	33.1	22.9	21.6
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)