

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: P639335

Luminaire Tested: GWS-SA5B-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639335
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18551.4 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

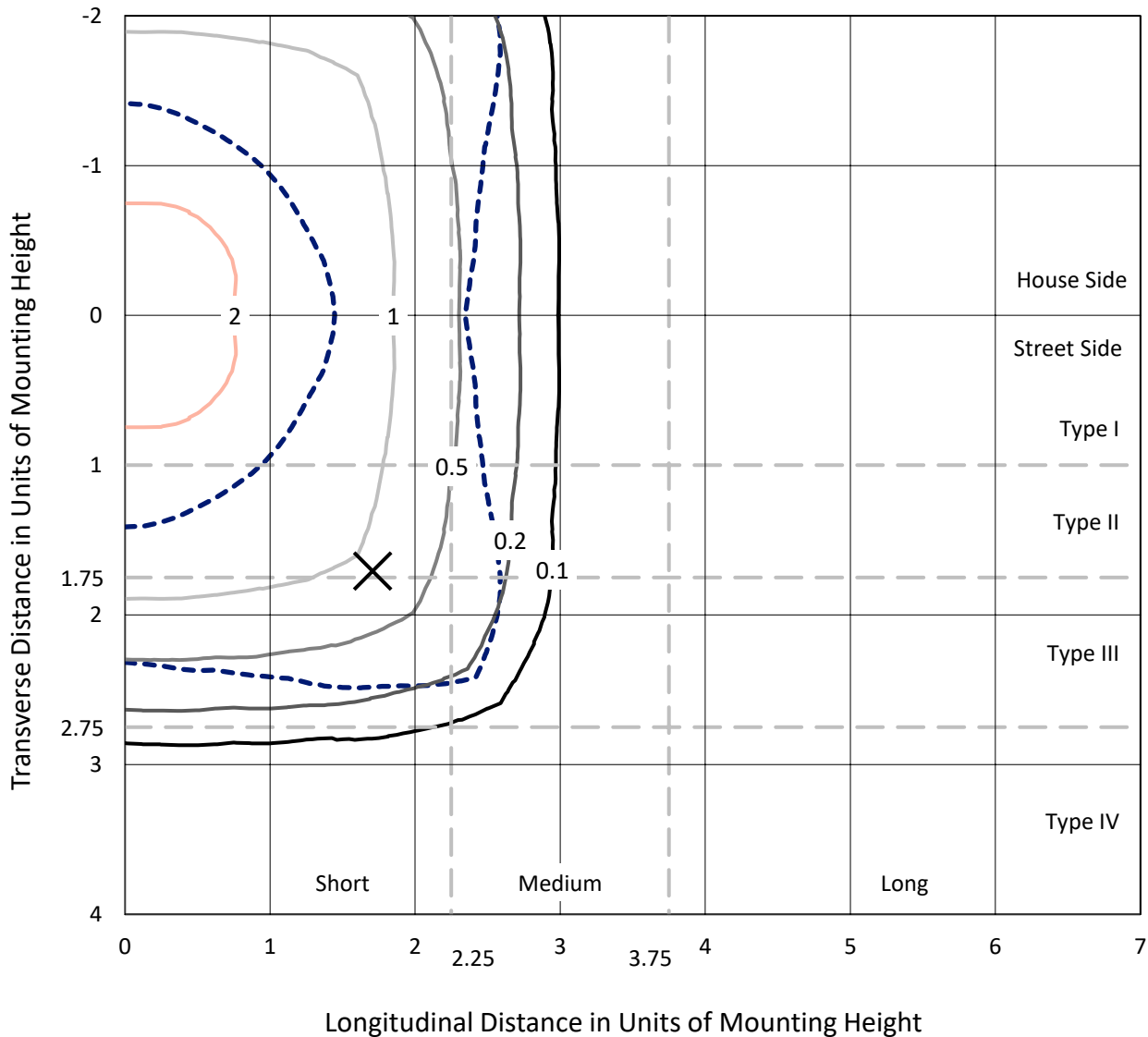
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

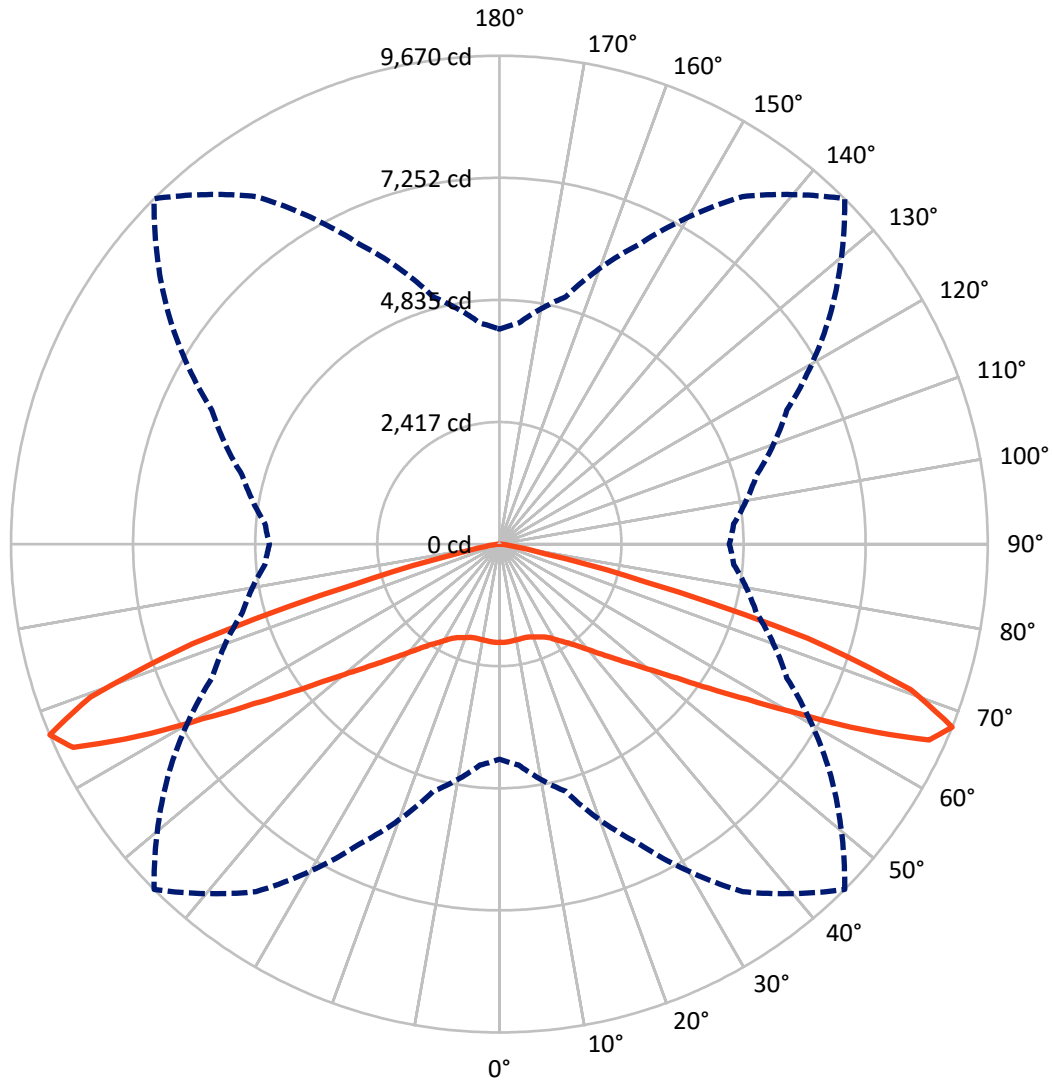
✕ Max cd
 - - - 1/2 Max cd



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	9275.7	0.0	9275.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9275.7	0.0	9275.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18551.4	0.0	18551.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	1.0
10°-20°	540.1	2.9
20°-30°	931.5	5.0
30°-40°	1514.7	8.2
40°-50°	2550.5	13.7
50°-60°	4518.9	24.4
60°-70°	6459.5	34.8
70°-80°	1772.9	9.6
80°-90°	79.4	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°	18551.4	100.0
0°-180°	18551.4	100.0

Coefficient of Utilization



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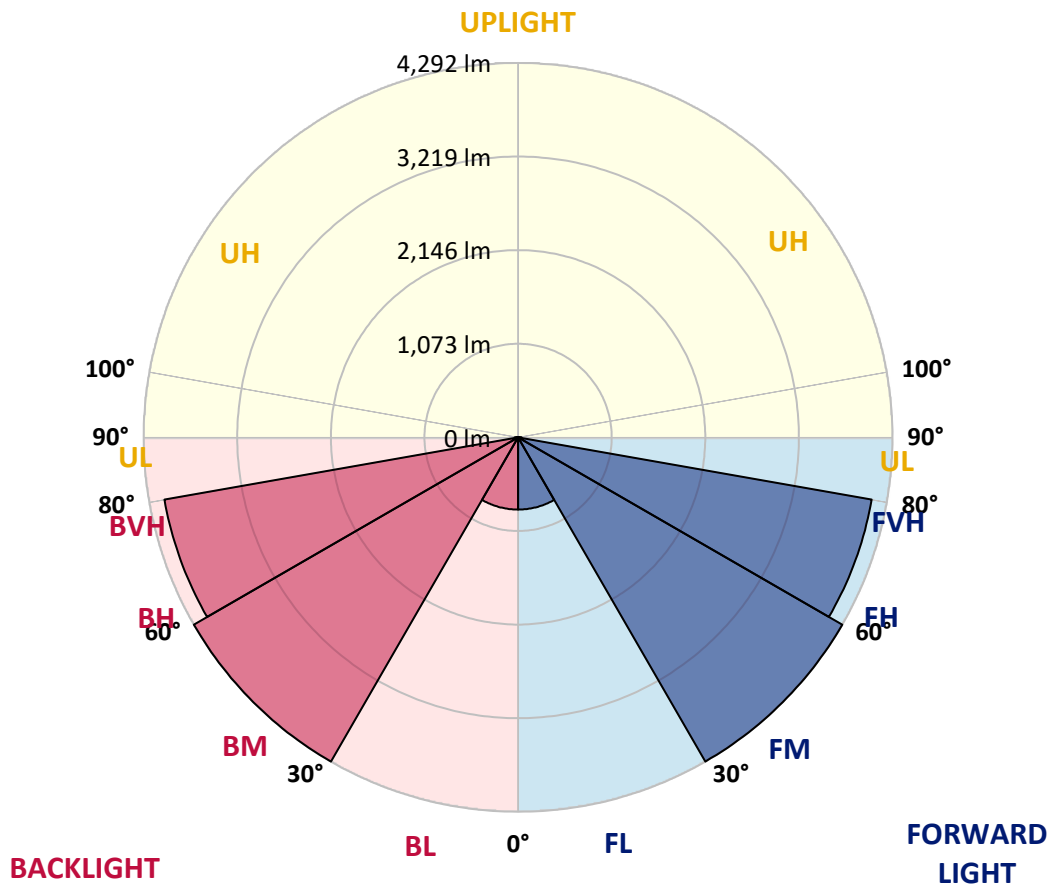
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.8	4.5			
FM (30°-60°)	4292.0	23.1			
FH (60°-80°)	4116.2	22.2			G2/5000
FVH (80°-90°)	39.7	0.2			G1/100
BL (0°-30°)	827.8	4.5	B2/1000		
BM (30°-60°)	4292.0	23.1	B3/5000		
BH (60°-80°)	4116.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	39.7	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°	1942.9	1942.9	1942.9	1942.9	1942.9	1942.9	1942.9	1942.9	1942.9	1942.9	1942.9
2.5°	1930.1	1928.8	1935.2	1939.1	1937.8	1946.8	1945.5	1942.9	1942.9	1939.1	1949.4
5°	1930.1	1928.8	1933.9	1935.2	1932.7	1940.4	1937.8	1935.2	1935.2	1930.1	1939.1
7.5°	1919.8	1921.1	1925.0	1927.5	1925.0	1931.4	1927.5	1922.4	1921.1	1916.0	1925.0
10°	1900.6	1901.8	1905.7	1912.1	1913.4	1925.0	1918.5	1909.5	1905.7	1900.6	1909.5
12.5°	1889.0	1890.3	1894.1	1901.8	1904.4	1919.8	1913.4	1899.3	1892.9	1887.7	1896.7
15°	1886.4	1887.7	1892.9	1900.6	1904.4	1919.8	1913.4	1896.7	1887.7	1881.3	1889.0
17.5°	1886.4	1889.0	1896.7	1908.3	1916.0	1931.4	1923.7	1904.4	1891.6	1880.0	1887.7
20°	1887.7	1891.6	1903.1	1919.8	1939.1	1960.9	1950.6	1925.0	1907.0	1892.9	1898.0
22.5°	1899.3	1905.7	1919.8	1941.6	1969.9	1995.6	1986.6	1951.9	1926.2	1907.0	1912.1
25°	1939.1	1941.6	1959.6	1987.9	2014.8	2036.7	2027.7	1995.6	1963.5	1940.4	1946.8
27.5°	2009.7	2016.1	2031.5	2061.1	2084.2	2095.7	2094.5	2072.6	2040.5	2020.0	2025.1
30°	2094.5	2100.9	2121.4	2154.8	2177.9	2190.8	2186.9	2170.2	2140.7	2112.4	2117.6
32.5°	2193.3	2195.9	2220.3	2257.6	2282.0	2301.2	2288.4	2270.4	2233.2	2199.8	2202.3
35°	2319.2	2323.0	2348.7	2383.4	2402.7	2418.1	2415.5	2397.5	2357.7	2321.8	2330.7
37.5°	2477.1	2479.7	2502.8	2546.5	2561.9	2573.5	2576.0	2567.0	2525.9	2479.7	2488.7
40°	2673.6	2674.9	2700.6	2739.1	2755.8	2763.5	2764.8	2766.1	2723.7	2689.0	2686.5
42.5°	2902.2	2908.6	2944.6	2981.8	2989.5	2985.7	2998.5	3011.4	2970.3	2922.7	2926.6
45°	3175.7	3179.6	3228.4	3269.5	3255.3	3242.5	3266.9	3292.6	3255.3	3193.7	3175.7
47.5°	3499.3	3507.0	3559.7	3600.8	3577.7	3554.6	3594.4	3621.3	3561.0	3495.5	3478.8
50°	3865.3	3870.5	3944.9	3996.3	3969.3	3927.0	3977.0	4005.3	3924.4	3843.5	3807.5
52.5°	4298.1	4287.8	4386.7	4476.6	4459.9	4404.7	4445.8	4450.9	4330.2	4215.9	4179.9
55°	4825.9	4815.6	4914.5	5013.4	5054.4	5040.3	5021.1	4990.2	4811.7	4689.7	4656.4
57.5°	5441.0	5408.9	5547.6	5681.1	5771.0	5796.7	5714.5	5642.6	5501.3	5351.1	5312.6
60°	6012.4	6011.1	6230.7	6461.9	6708.4	6811.2	6603.1	6408.0	6090.8	5817.2	5762.0
62.5°	6173.0	6199.9	6559.5	7132.2	7740.9	8104.3	7556.0	6910.1	6297.5	5885.3	5812.1
65°	5777.4	5844.2	6355.3	7259.3	8461.3	9350.0	8112.0	6921.6	6067.7	5554.0	5476.9
67.5°	4258.3	4391.8	5068.6	6550.5	8399.7	9669.7	8013.2	6280.8	5270.2	4658.9	4552.3
70°	2100.9	2228.0	2764.8	4309.6	6911.3	8643.7	6933.2	4733.4	3559.7	2971.5	2873.9
72.5°	773.1	824.4	1035.0	1844.1	3814.0	6384.8	4741.1	2644.1	1724.6	1372.8	1307.3
75°	378.8	387.8	419.9	619.0	1407.4	3004.9	2228.0	1014.5	634.4	552.2	534.2
77.5°	241.4	245.3	260.7	295.4	452.0	946.4	675.5	400.7	310.8	297.9	297.9
80°	134.8	138.7	159.2	183.6	211.9	324.9	242.7	240.1	204.2	178.5	174.6
82.5°	64.2	70.6	101.4	100.2	111.7	163.1	142.5	129.7	131.0	98.9	93.7
85°	29.5	29.5	39.8	47.5	50.1	55.2	65.5	74.5	73.2	50.1	53.9
87.5°	14.1	14.1	14.1	12.8	11.6	10.3	14.1	23.1	33.4	23.1	21.8
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)