

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: P639280

Luminaire Tested: GWS-SA5B-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639280  
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-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

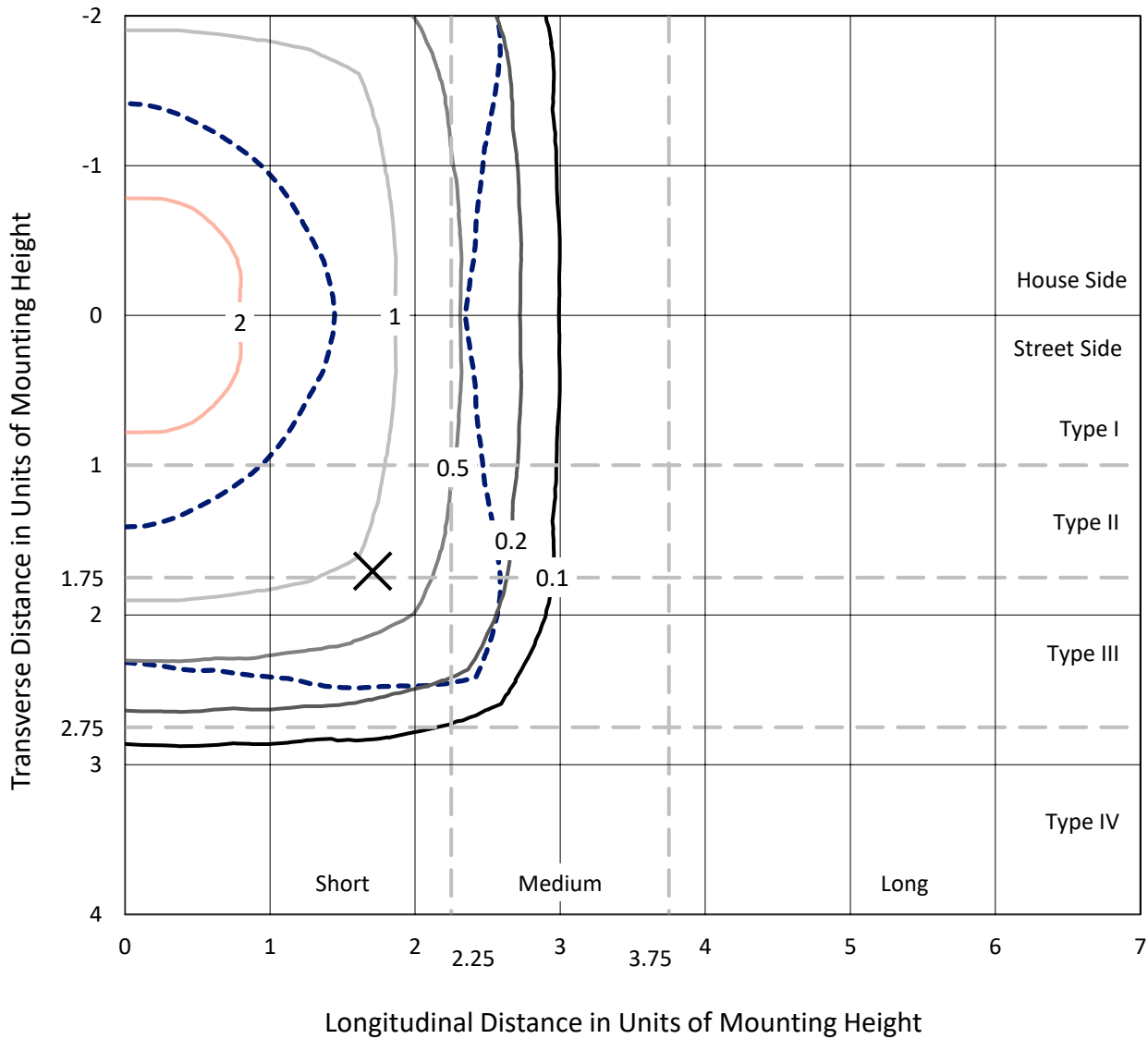
Lumens per Lamp: N/A  
Luminaire Lumens: 18809.2 lumens  
Efficiency: N/A  
Efficacy: 162.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

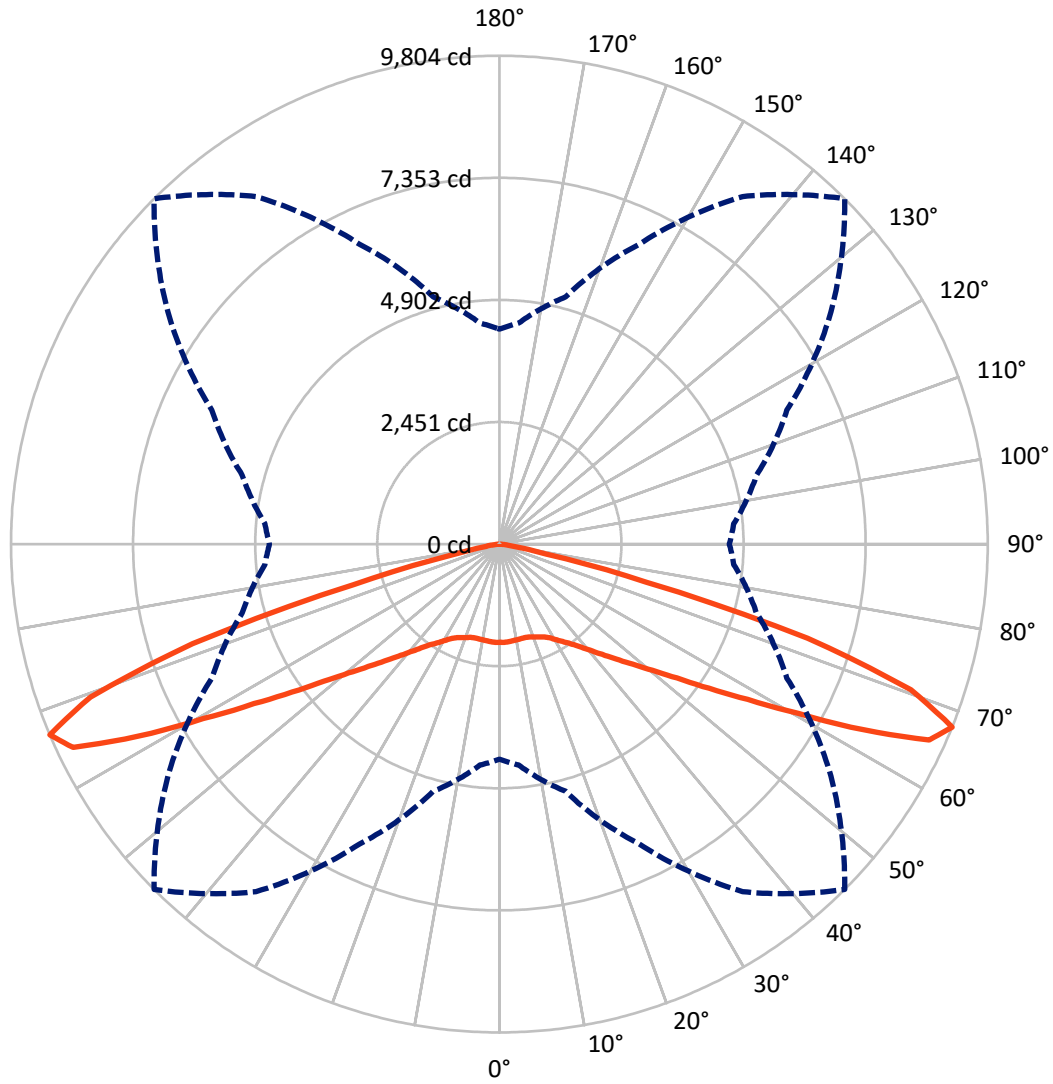
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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
<b>House Side</b>	Lumens	9404.6	0.0	9404.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9404.6	0.0	9404.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18809.2	0.0	18809.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.4	1.0
10°-20°	547.6	2.9
20°-30°	944.5	5.0
30°-40°	1535.8	8.2
40°-50°	2585.9	13.7
50°-60°	4581.7	24.4
60°-70°	6549.2	34.8
70°-80°	1797.5	9.6
80°-90°	80.5	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°	18809.2	100.0
0°-180°	18809.2	100.0

**Coefficient of Utilization**



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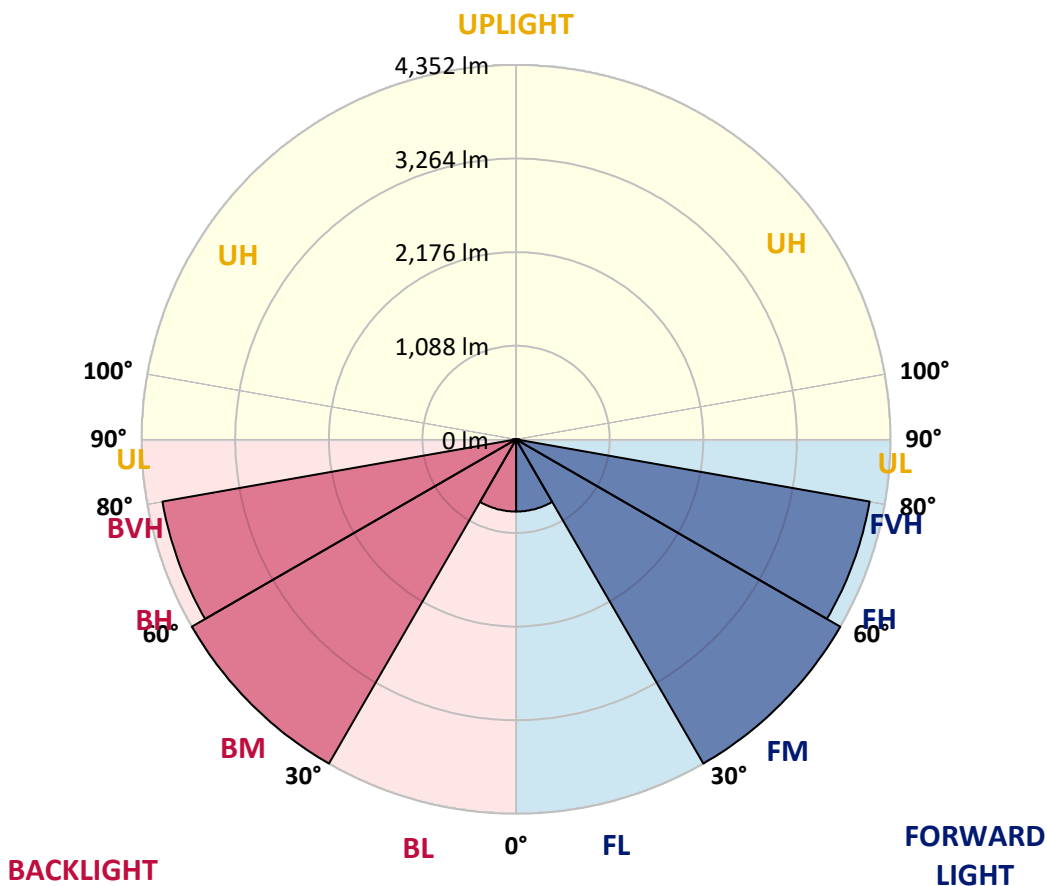
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	839.3	4.5			
FM (30°-60°)	4351.7	23.1			
FH (60°-80°)	4173.4	22.2			G2/5000
FVH (80°-90°)	40.3	0.2			G1/100
BL (0°-30°)	839.3	4.5	B2/1000		
BM (30°-60°)	4351.7	23.1	B3/5000		
BH (60°-80°)	4173.4	22.2	B4/5000		G2/5000
BVH (80°-90°)	40.3	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°	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9	1969.9
2.5°	1956.9	1955.6	1962.1	1966.0	1964.7	1973.8	1972.5	1969.9	1969.9	1966.0	1976.4
5°	1956.9	1955.6	1960.8	1962.1	1959.5	1967.3	1964.7	1962.1	1962.1	1956.9	1966.0
7.5°	1946.5	1947.8	1951.7	1954.3	1951.7	1958.2	1954.3	1949.1	1947.8	1942.6	1951.7
10°	1927.0	1928.3	1932.2	1938.7	1940.0	1951.7	1945.2	1936.1	1932.2	1927.0	1936.1
12.5°	1915.2	1916.6	1920.5	1928.3	1930.9	1946.5	1940.0	1925.7	1919.2	1913.9	1923.1
15°	1912.6	1913.9	1919.2	1927.0	1930.9	1946.5	1940.0	1923.1	1913.9	1907.4	1915.2
17.5°	1912.6	1915.2	1923.1	1934.8	1942.6	1958.2	1950.4	1930.9	1917.9	1906.1	1913.9
20°	1913.9	1917.9	1929.6	1946.5	1966.0	1988.2	1977.7	1951.7	1933.5	1919.2	1924.4
22.5°	1925.7	1932.2	1946.5	1968.6	1997.3	2023.3	2014.2	1979.0	1953.0	1933.5	1938.7
25°	1966.0	1968.6	1986.9	2015.5	2042.8	2065.0	2055.9	2023.3	1990.8	1967.3	1973.8
27.5°	2037.6	2044.1	2059.8	2089.7	2113.2	2124.9	2123.6	2101.4	2068.9	2048.1	2053.3
30°	2123.6	2130.1	2150.9	2184.8	2208.2	2221.2	2217.3	2200.4	2170.4	2141.8	2147.0
32.5°	2223.8	2226.4	2251.2	2288.9	2313.7	2333.2	2320.2	2301.9	2264.2	2230.3	2232.9
35°	2351.4	2355.3	2381.4	2416.5	2436.0	2451.7	2449.1	2430.8	2390.5	2354.0	2363.1
37.5°	2511.6	2514.2	2537.6	2581.9	2597.5	2609.2	2611.8	2602.7	2561.0	2514.2	2523.3
40°	2710.8	2712.1	2738.1	2777.2	2794.1	2801.9	2803.2	2804.5	2761.6	2726.4	2723.8
42.5°	2942.5	2949.0	2985.5	3023.3	3031.1	3027.2	3040.2	3053.2	3011.5	2963.4	2967.3
45°	3219.9	3223.8	3273.2	3314.9	3300.6	3287.6	3312.3	3338.3	3300.6	3238.1	3219.9
47.5°	3548.0	3555.8	3609.2	3650.8	3627.4	3603.9	3644.3	3671.7	3610.5	3544.1	3527.1
50°	3919.0	3924.2	3999.8	4051.8	4024.5	3981.5	4032.3	4061.0	3978.9	3896.9	3860.4
52.5°	4357.8	4347.4	4447.6	4538.8	4521.9	4465.9	4507.5	4512.7	4390.4	4274.5	4238.0
55°	4892.9	4882.5	4982.8	5083.0	5124.7	5110.4	5090.8	5059.6	4878.6	4754.9	4721.1
57.5°	5516.6	5484.0	5624.7	5760.1	5851.2	5877.2	5793.9	5721.0	5577.8	5425.5	5386.4
60°	6096.0	6094.7	6317.3	6551.7	6801.7	6905.8	6694.9	6497.0	6175.4	5898.1	5842.1
62.5°	6258.7	6286.1	6650.6	7231.3	7848.5	8216.9	7661.0	7006.1	6385.0	5967.1	5892.9
65°	5857.7	5925.4	6443.6	7360.2	8578.9	9479.9	8224.8	7017.8	6152.0	5631.2	5553.0
67.5°	4317.4	4452.9	5139.0	6641.5	8516.4	9804.1	8124.5	6368.1	5343.4	4723.7	4615.6
70°	2130.1	2259.0	2803.2	4369.5	7007.4	8763.8	7029.5	4799.2	3609.2	3012.8	2913.9
72.5°	783.8	835.9	1049.4	1869.7	3867.0	6473.6	4807.0	2680.8	1748.6	1391.8	1325.4
75°	384.1	393.2	425.8	627.6	1427.0	3046.7	2259.0	1028.6	643.2	559.9	541.6
77.5°	244.8	248.7	264.3	299.5	458.3	959.6	684.9	406.2	315.1	302.1	302.1
80°	136.7	140.6	161.4	186.2	214.8	329.4	246.1	243.5	207.0	181.0	177.1
82.5°	65.1	71.6	102.9	101.6	113.3	165.4	144.5	131.5	132.8	100.3	95.0
85°	29.9	29.9	40.4	48.2	50.8	56.0	66.4	75.5	74.2	50.8	54.7
87.5°	14.3	14.3	14.3	13.0	11.7	10.4	14.3	23.4	33.9	23.4	22.1
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)