

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: P633893

Luminaire Tested: GWS-SA2F-760-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-760-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

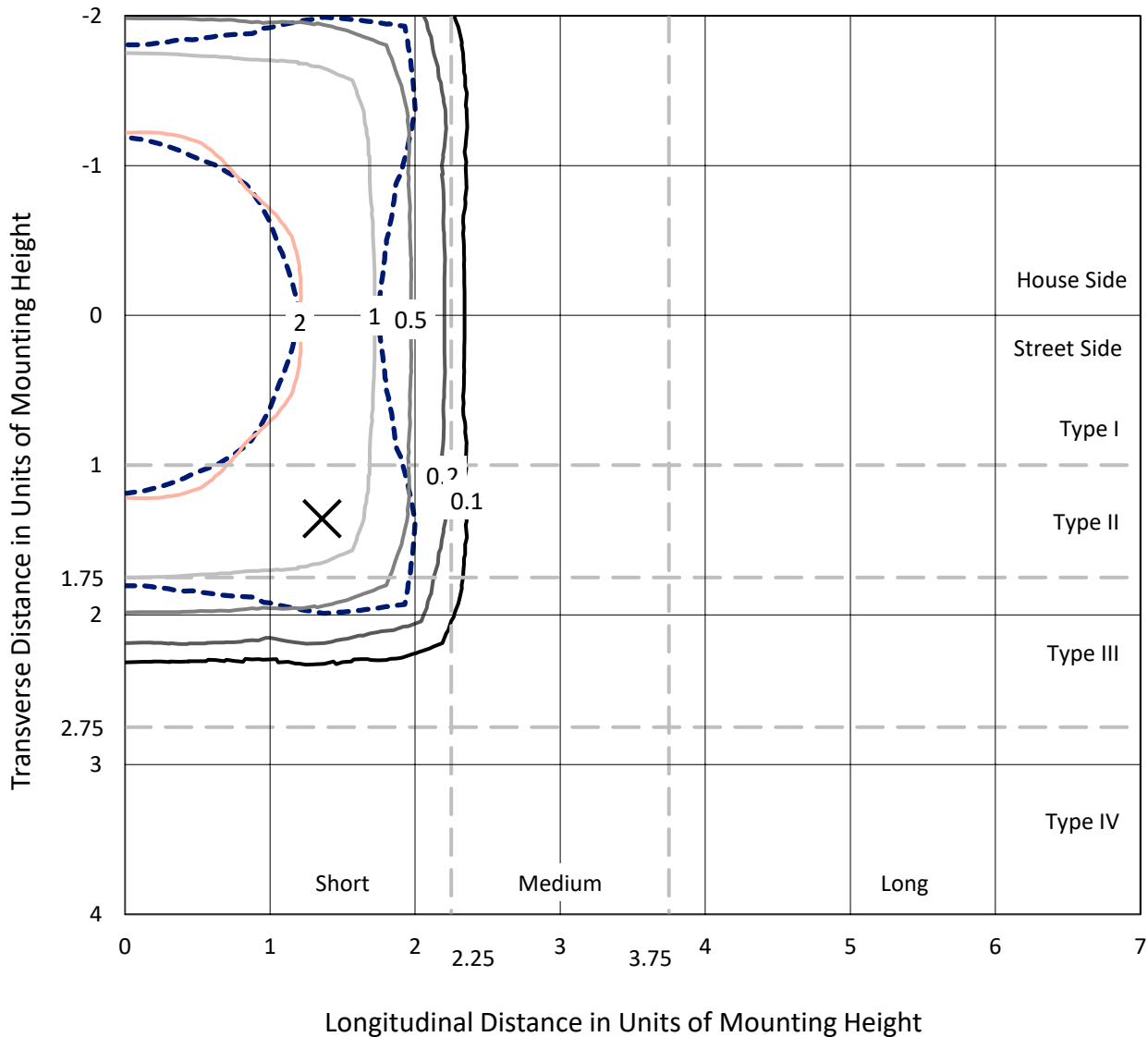
Lumens per Lamp: N/A  
Luminaire Lumens: 17106.7 lumens  
Efficiency: N/A  
Efficacy: 137.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): 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

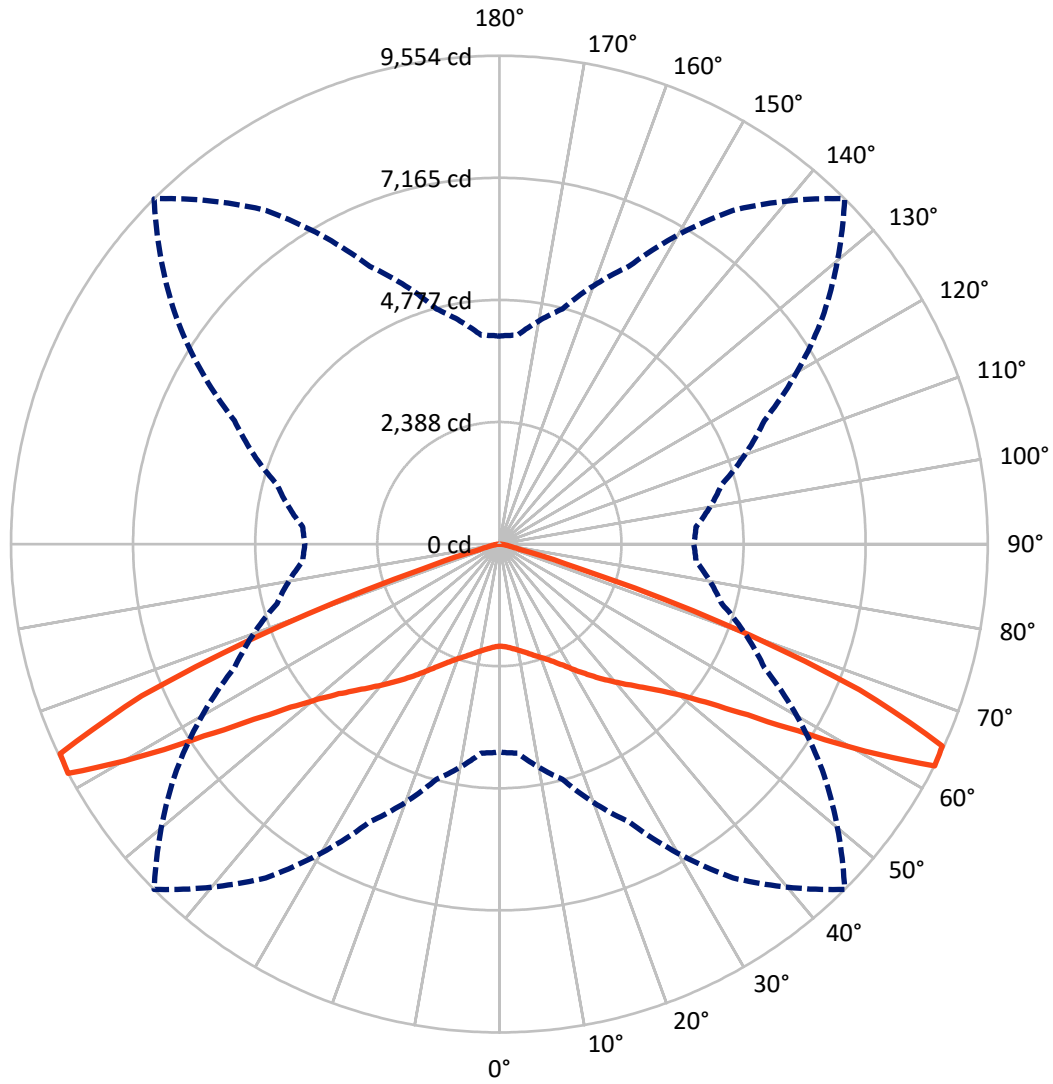
✕ Max cd  
 - - - 1/2 Max cd



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 62.5-Deg Vertical

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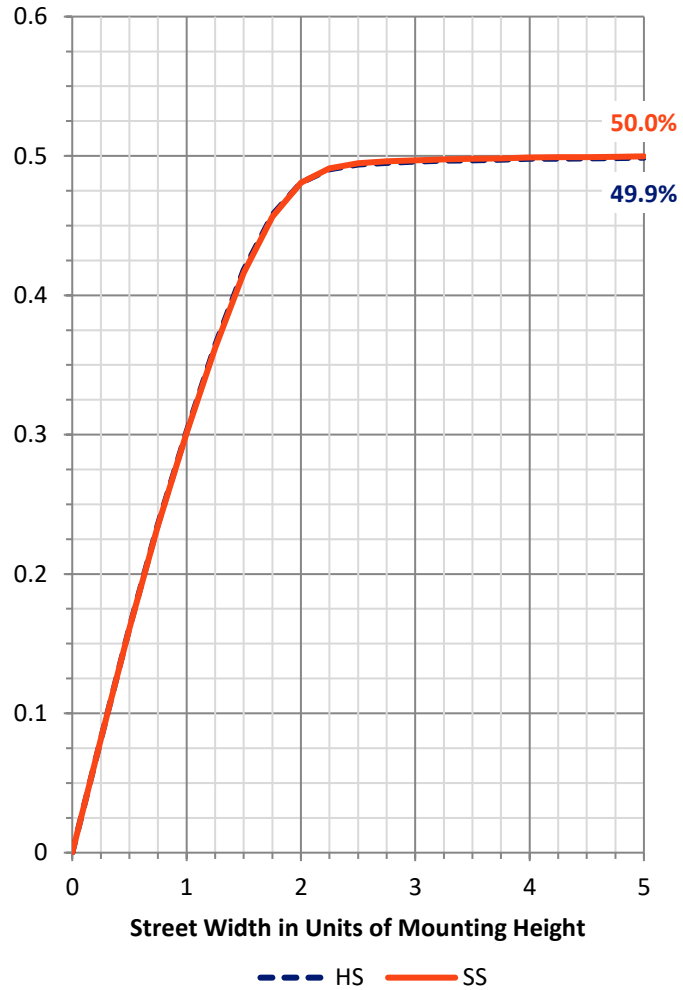
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8553.3	0.0	8553.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8553.3	0.0	8553.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17106.7	0.0	17106.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.8	1.1
10°-20°	631.4	3.7
20°-30°	1194.6	7.0
30°-40°	2010.7	11.8
40°-50°	3212.6	18.8
50°-60°	5178.5	30.3
60°-70°	4225.0	24.7
70°-80°	410.3	2.4
80°-90°	47.7	0.3
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°	17106.7	100.0
0°-180°	17106.7	100.0

**Coefficient of Utilization**



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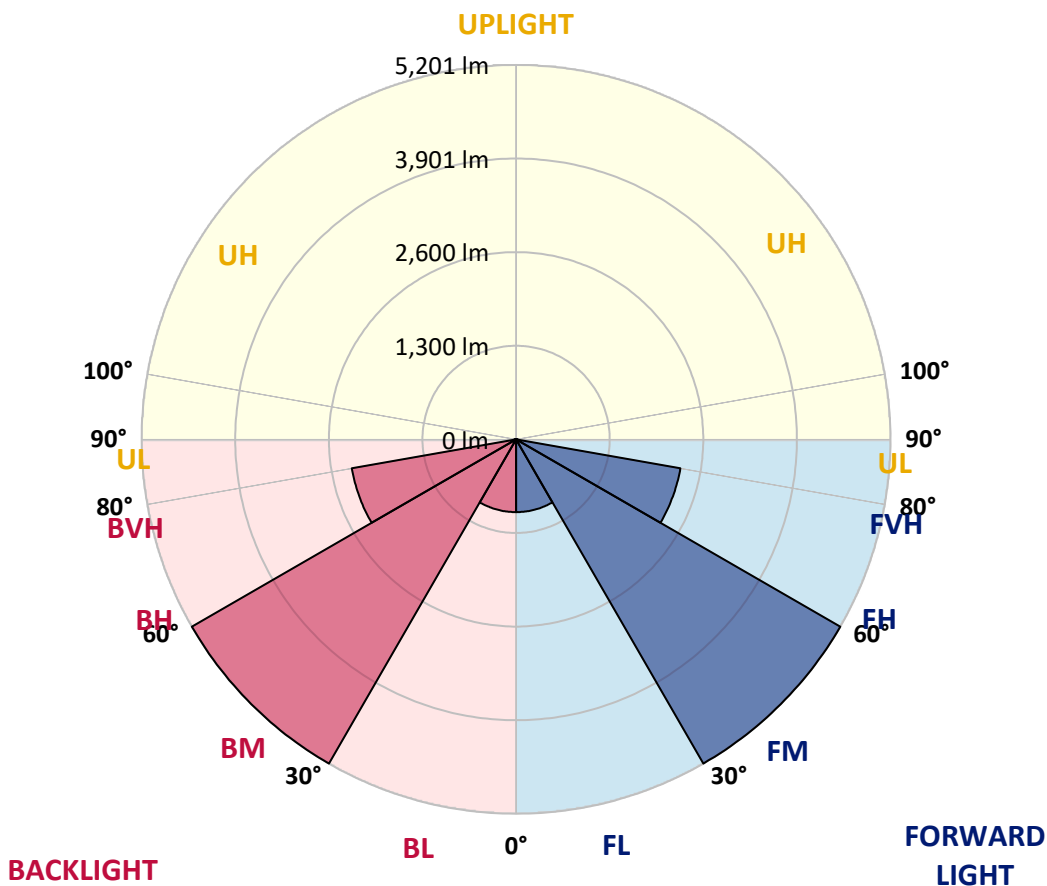
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1010.9	5.9			
FM (30°-60°)	5200.9	30.4			
FH (60°-80°)	2317.7	13.5			G2/5000
FVH (80°-90°)	23.9	0.1			G1/100
BL (0°-30°)	1010.9	5.9	B3/2500		
BM (30°-60°)	5200.9	30.4	B4/8500		
BH (60°-80°)	2317.7	13.5	B3/2500		G2/5000
BVH (80°-90°)	23.9	0.1			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°	1995.7	1995.7	1995.7	1995.7	1995.7	1995.7	1995.7	1995.7	1995.7	1995.7	1995.7
2.5°	1993.4	1993.4	1998.1	2001.6	1999.2	2008.6	2007.5	2005.1	2003.9	2000.4	2011.0
5°	2020.4	2020.4	2023.9	2027.4	2021.5	2033.3	2028.6	2026.2	2025.1	2020.4	2029.8
7.5°	2050.9	2054.4	2055.6	2061.4	2057.9	2070.8	2067.3	2062.6	2060.3	2054.4	2062.6
10°	2084.9	2087.2	2088.4	2099.0	2100.1	2115.4	2111.9	2106.0	2101.3	2095.5	2107.2
12.5°	2130.7	2131.8	2135.3	2148.3	2151.8	2163.5	2162.3	2154.1	2148.3	2140.0	2152.9
15°	2189.3	2190.5	2196.4	2209.3	2215.1	2229.2	2224.5	2211.6	2203.4	2194.0	2204.6
17.5°	2250.3	2255.0	2260.9	2273.8	2282.0	2298.4	2292.6	2278.5	2271.4	2262.1	2269.1
20°	2328.9	2330.1	2333.6	2347.7	2353.6	2372.3	2373.5	2359.4	2355.9	2346.5	2357.1
22.5°	2415.8	2416.9	2420.4	2435.7	2446.3	2458.0	2465.0	2456.8	2451.0	2439.2	2452.1
25°	2512.0	2523.7	2527.2	2546.0	2557.7	2564.8	2573.0	2569.5	2561.2	2547.2	2553.0
27.5°	2646.9	2649.2	2655.1	2676.2	2683.3	2690.3	2698.5	2699.7	2688.0	2671.5	2679.7
30°	2800.6	2799.4	2812.3	2828.7	2834.6	2840.5	2852.2	2859.3	2844.0	2826.4	2834.6
32.5°	2957.8	2971.9	2988.3	3003.6	3000.0	3002.4	3021.2	3034.1	3012.9	2981.3	2988.3
35°	3135.0	3144.4	3165.5	3187.8	3183.1	3179.6	3191.3	3204.2	3174.9	3133.8	3144.4
37.5°	3316.8	3330.9	3362.6	3389.6	3382.5	3366.1	3379.0	3393.1	3364.9	3318.0	3313.3
40°	3519.8	3542.1	3587.9	3610.1	3591.4	3559.7	3582.0	3616.0	3587.9	3533.9	3521.0
42.5°	3758.0	3785.0	3830.7	3864.7	3823.7	3772.1	3809.6	3858.9	3851.8	3780.3	3758.0
45°	4052.5	4070.1	4126.4	4142.8	4081.8	4010.2	4078.3	4153.4	4135.8	4058.3	4029.0
47.5°	4372.8	4399.8	4449.0	4479.5	4381.0	4291.8	4386.8	4487.7	4469.0	4396.2	4362.2
50°	4781.1	4816.3	4880.8	4906.6	4770.5	4668.4	4790.4	4918.3	4882.0	4784.6	4740.0
52.5°	5225.7	5253.9	5364.2	5415.8	5287.9	5177.6	5284.4	5409.9	5332.5	5203.4	5143.6
55°	5617.6	5645.8	5807.7	5979.0	5973.1	5896.8	5950.8	5953.2	5743.1	5529.6	5466.3
57.5°	5702.1	5730.2	6038.8	6487.0	6803.8	6891.8	6733.4	6400.2	5871.0	5496.8	5425.2
60°	5251.5	5283.2	5773.6	6592.6	7634.4	8222.3	7492.5	6390.8	5475.6	4968.8	4900.7
62.5°	4068.9	4102.9	4762.3	5991.9	7970.0	9553.9	7713.1	5718.5	4504.2	3862.4	3802.6
65°	1942.9	1942.9	2780.6	4297.7	7301.2	9522.2	7074.8	4230.8	2711.4	2082.5	2030.9
67.5°	481.0	483.4	715.7	1673.1	4966.4	7599.3	5047.4	2030.9	955.0	675.8	658.2
70°	300.4	299.2	332.0	452.9	1737.6	4612.1	2063.8	612.4	388.4	342.6	340.2
72.5°	233.5	233.5	249.9	289.8	455.2	1571.0	601.9	340.2	281.6	253.4	253.4
75°	184.2	184.2	195.9	217.1	268.7	404.8	320.3	252.3	218.2	199.5	197.1
77.5°	137.3	139.6	149.0	163.1	183.0	227.6	203.0	190.1	170.1	156.0	151.4
80°	89.2	92.7	104.4	112.6	119.7	150.2	132.6	138.4	129.1	112.6	110.3
82.5°	48.1	49.3	63.4	65.7	68.0	82.1	84.5	88.0	91.5	71.6	66.9
85°	17.6	17.6	21.1	24.6	27.0	29.3	39.9	49.3	51.6	41.1	39.9
87.5°	3.5	3.5	3.5	2.3	2.3	2.3	7.0	12.9	21.1	16.4	16.4
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)