

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: P633562

Luminaire Tested: GWS-SA2F-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-722-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

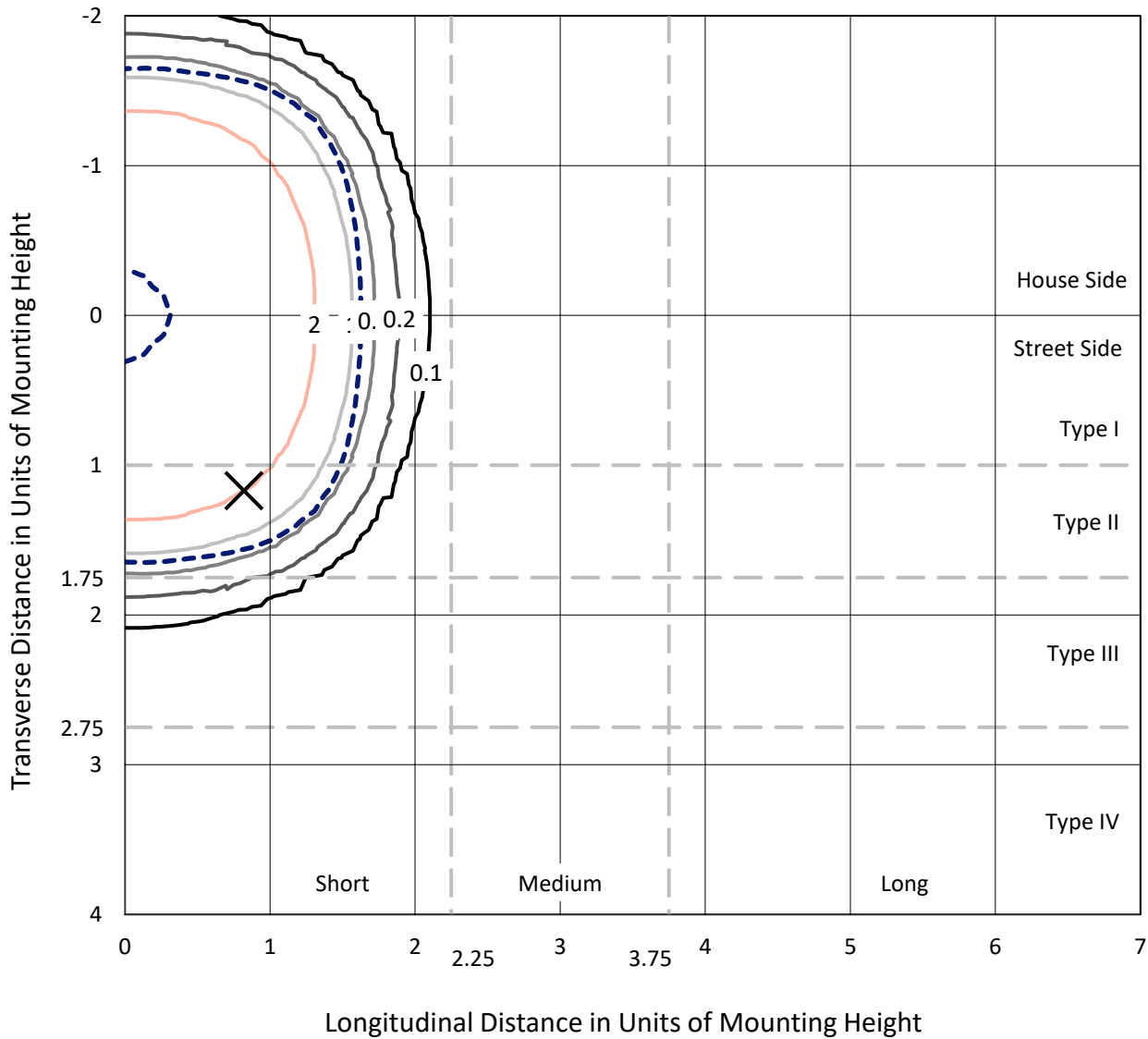
Lumens per Lamp: N/A  
Luminaire Lumens: 10832.9 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

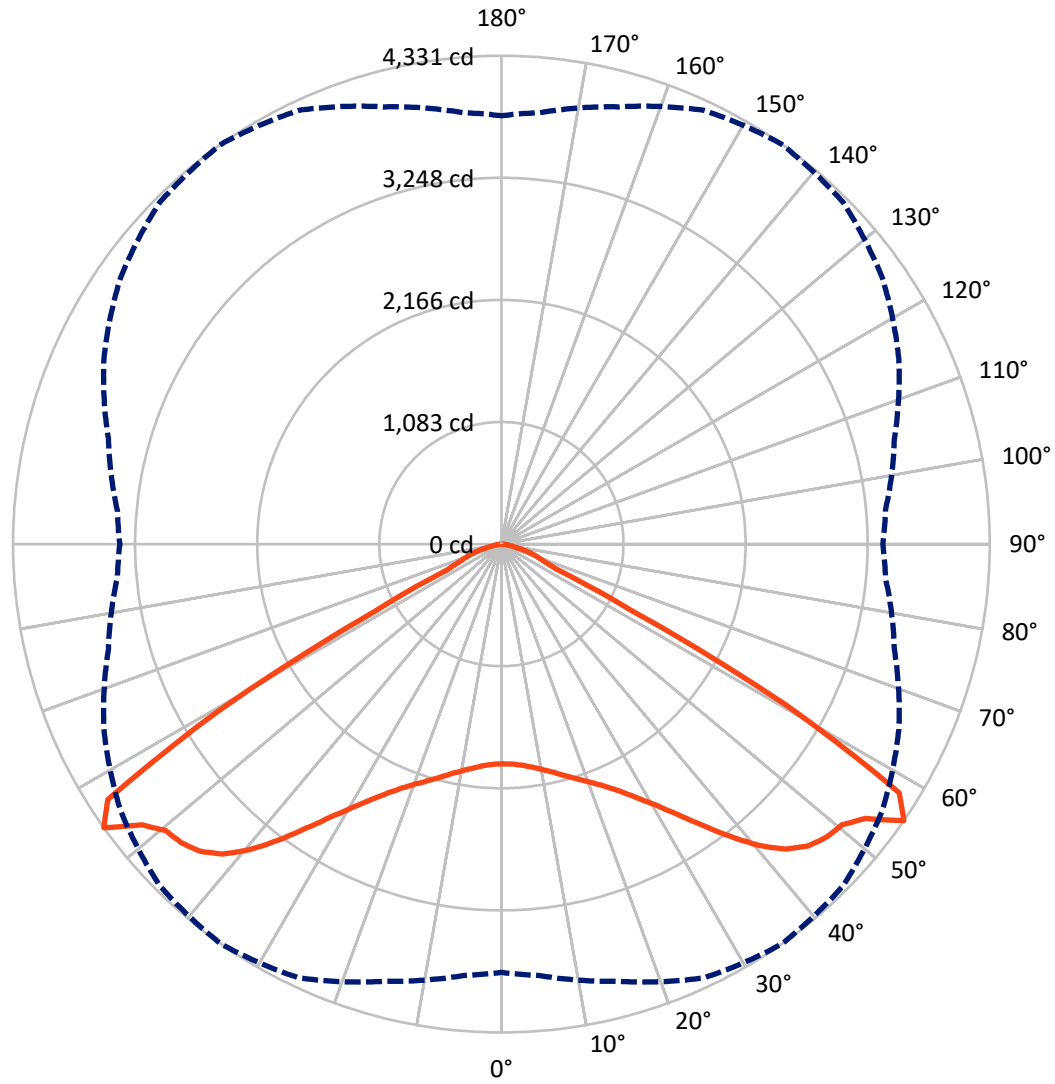
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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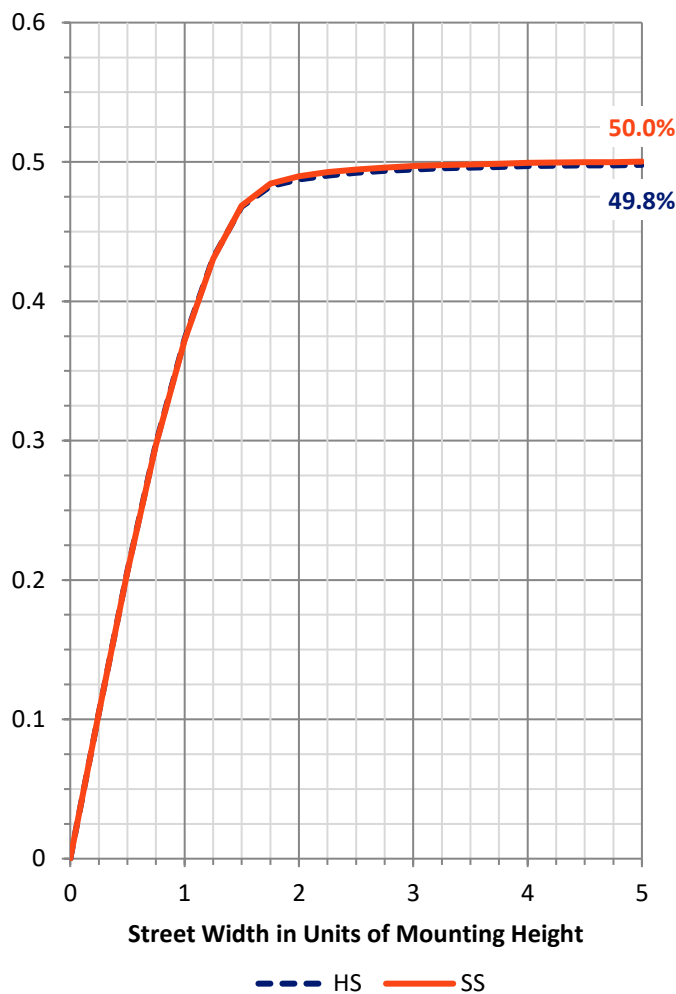
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5416.4	0.0	5416.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5416.4	0.0	5416.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10832.9	0.0	10832.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.1	1.8
10°-20°	605.2	5.6
20°-30°	1120.1	10.3
30°-40°	1873.7	17.3
40°-50°	2855.2	26.4
50°-60°	3198.4	29.5
60°-70°	756.8	7.0
70°-80°	204.0	1.9
80°-90°	29.4	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°	10832.9	100.0
0°-180°	10832.9	100.0

**Coefficient of Utilization**



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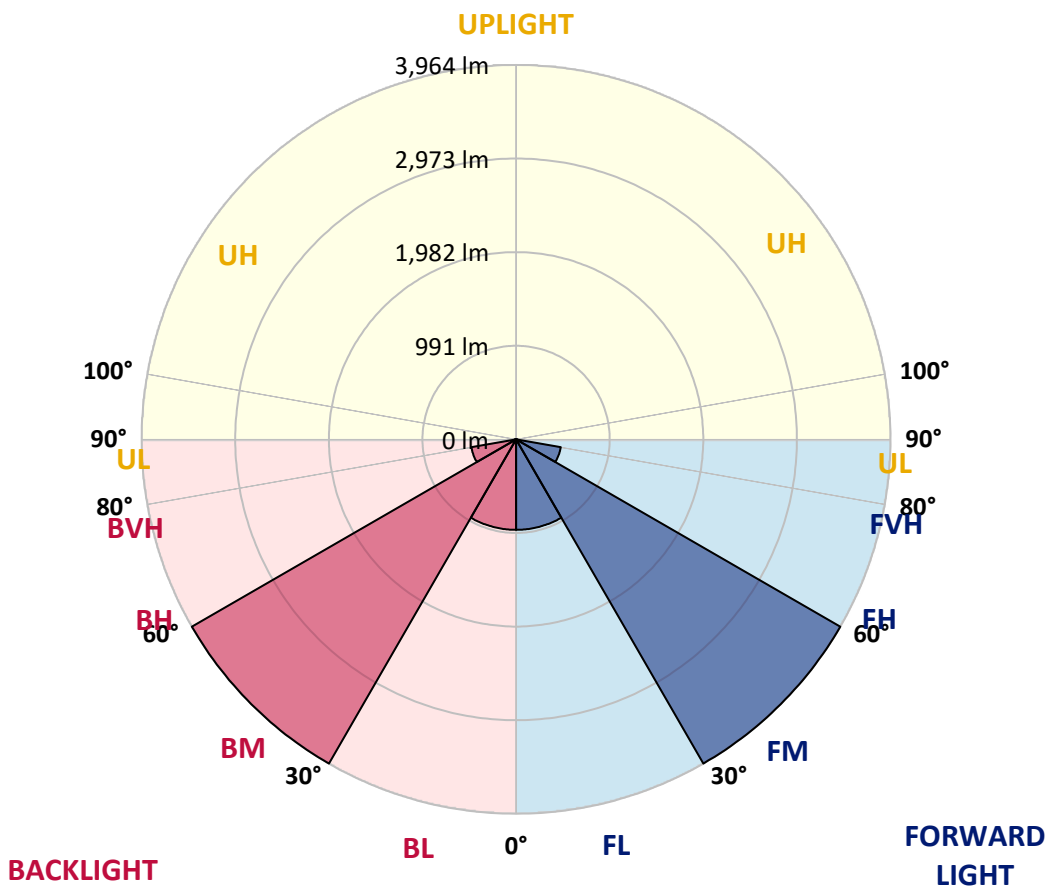
CATALOG NUMBER: GWS-SA2F-722-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.7	8.8			
FM (30°-60°)	3963.7	36.6			
FH (60°-80°)	480.4	4.4			G0/660
FVH (80°-90°)	14.7	0.1			G1/100
BL (0°-30°)	957.7	8.8	B2/1000		
BM (30°-60°)	3963.7	36.6	B3/5000		
BH (60°-80°)	480.4	4.4	B1/500		G0/660
BVH (80°-90°)	14.7	0.1			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°	1948.9	1948.9	1948.9	1948.9	1948.9	1948.9	1948.9	1948.9	1948.9	1948.9	1948.9
2.5°	1944.6	1944.6	1948.0	1952.3	1953.2	1961.7	1960.0	1956.6	1954.9	1951.4	1959.1
5°	1966.0	1966.9	1969.4	1972.0	1970.3	1977.1	1974.6	1970.3	1967.7	1963.4	1971.1
7.5°	1994.3	1994.3	1996.8	2000.3	1998.6	2008.8	2003.7	1997.7	1993.4	1988.3	1995.1
10°	2020.0	2021.7	2024.3	2031.1	2034.5	2045.7	2042.2	2033.7	2026.8	2020.8	2028.5
12.5°	2058.5	2060.2	2062.8	2072.2	2078.2	2089.4	2084.2	2072.2	2061.9	2053.4	2061.9
15°	2108.2	2106.5	2113.3	2125.3	2133.0	2143.3	2137.3	2116.8	2103.1	2091.9	2100.5
17.5°	2158.7	2157.9	2164.7	2180.2	2191.3	2205.0	2194.7	2170.7	2156.2	2142.5	2151.0
20°	2213.6	2216.1	2223.0	2237.6	2253.8	2271.8	2263.3	2237.6	2221.3	2205.9	2212.7
22.5°	2281.2	2282.1	2289.8	2308.7	2330.1	2347.2	2342.1	2310.4	2289.8	2273.5	2282.1
25°	2362.6	2361.8	2372.1	2394.3	2424.3	2441.4	2430.3	2395.2	2372.9	2354.1	2360.9
27.5°	2456.0	2455.1	2470.6	2499.7	2542.5	2566.5	2543.4	2499.7	2468.9	2442.3	2448.3
30°	2573.4	2570.8	2587.9	2627.3	2683.0	2723.3	2689.0	2628.2	2587.9	2559.7	2565.7
32.5°	2703.6	2707.0	2728.4	2781.5	2851.8	2904.0	2852.6	2785.0	2731.0	2689.9	2696.7
35°	2846.6	2846.6	2890.3	2956.3	3056.5	3125.9	3046.2	2948.6	2876.6	2820.1	2821.8
37.5°	3006.0	3007.7	3065.1	3155.9	3286.9	3368.3	3260.4	3139.6	3052.2	2991.4	2988.0
40°	3200.4	3205.6	3264.7	3365.8	3513.1	3587.6	3472.0	3353.8	3264.7	3192.7	3185.9
42.5°	3419.7	3421.4	3484.0	3574.8	3699.0	3743.5	3652.7	3555.9	3483.1	3418.0	3411.2
45°	3628.7	3624.5	3678.4	3746.1	3818.1	3822.4	3771.8	3732.4	3669.0	3613.3	3603.0
47.5°	3791.5	3788.1	3836.9	3873.7	3882.3	3840.3	3856.6	3862.6	3788.9	3713.6	3693.9
50°	3890.9	3897.7	3944.0	3964.6	3914.0	3845.5	3907.2	3891.7	3786.4	3687.9	3656.2
52.5°	3950.8	3961.1	4041.7	4093.9	4041.7	3976.5	3985.1	3894.3	3742.7	3612.5	3571.4
55°	3799.2	3840.3	4014.2	4245.5	4331.2	4285.8	4123.0	3889.2	3608.2	3418.9	3383.7
57.5°	2815.8	2880.9	3138.7	3639.9	4160.7	4326.1	3850.6	3260.4	2834.6	2591.4	2570.8
60°	1437.5	1510.3	1716.7	2231.6	2901.5	3134.5	2682.2	2087.6	1659.3	1462.3	1440.0
62.5°	586.8	598.8	666.5	865.2	1282.4	1479.4	1299.5	912.3	685.3	631.3	632.2
65°	461.7	464.3	460.9	472.9	537.1	596.2	550.8	484.0	472.0	478.0	473.7
67.5°	402.6	403.5	400.9	400.9	403.5	400.9	406.0	408.6	410.3	417.2	412.9
70°	336.7	337.5	337.5	339.2	338.4	334.1	341.8	345.2	346.1	350.4	347.8
72.5°	260.4	263.0	264.7	265.6	264.7	262.1	266.4	272.4	271.6	275.8	271.6
75°	176.5	179.9	181.6	185.0	184.2	184.2	189.3	191.9	189.3	192.7	189.3
77.5°	100.2	102.8	107.9	111.4	114.8	117.4	120.8	122.5	121.6	123.4	121.6
80°	58.3	59.1	63.4	65.1	69.4	73.7	77.1	78.8	79.7	80.5	79.7
82.5°	33.4	34.3	36.0	37.7	41.1	44.5	48.0	50.5	50.5	51.4	50.5
85°	16.3	16.3	17.1	18.0	19.7	22.3	24.8	27.4	28.3	28.3	28.3
87.5°	2.6	2.6	3.4	3.4	4.3	5.1	6.9	8.6	9.4	9.4	9.4
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)