

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: P633565

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 10091.9 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

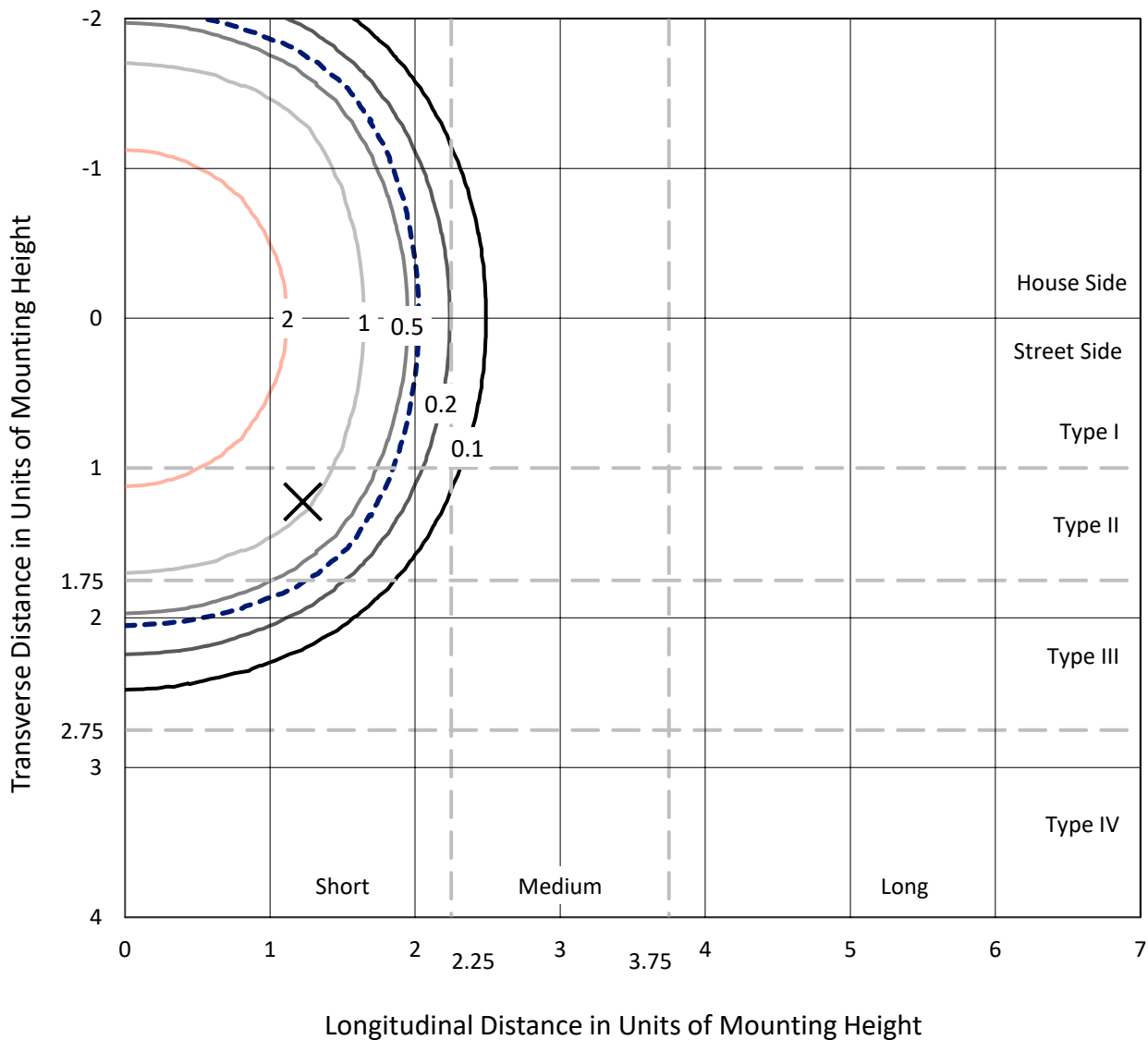
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

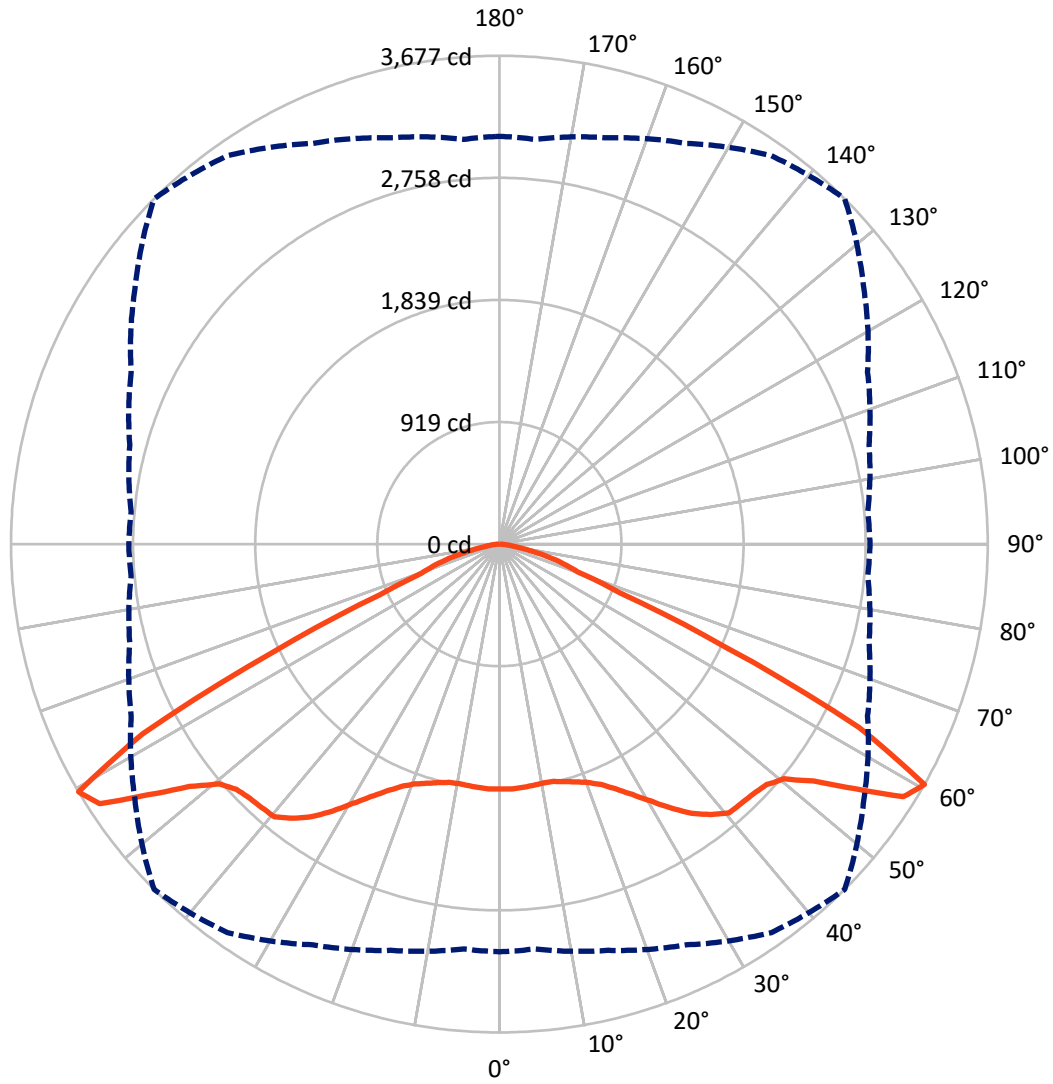
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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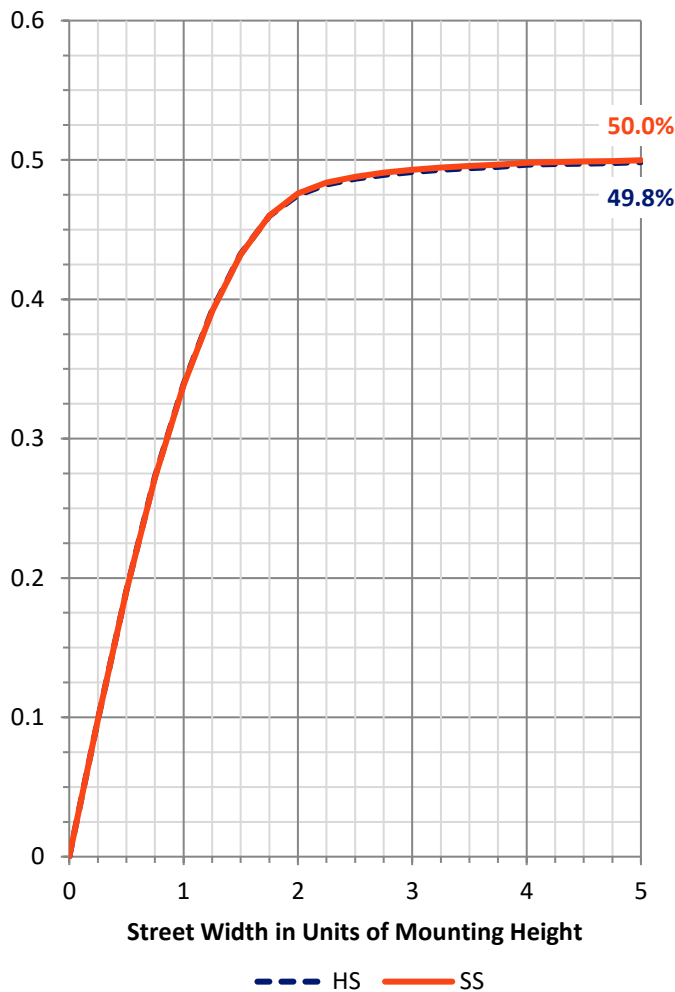
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5046.0	0.0	5046.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5046.0	0.0	5046.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10091.9	0.0	10091.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	1.7
10°-20°	526.1	5.2
20°-30°	930.7	9.2
30°-40°	1498.5	14.8
40°-50°	2059.7	20.4
50°-60°	2744.7	27.2
60°-70°	1710.6	17.0
70°-80°	393.4	3.9
80°-90°	53.4	0.5
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°	10091.9	100.0
0°-180°	10091.9	100.0

Coefficient of Utilization



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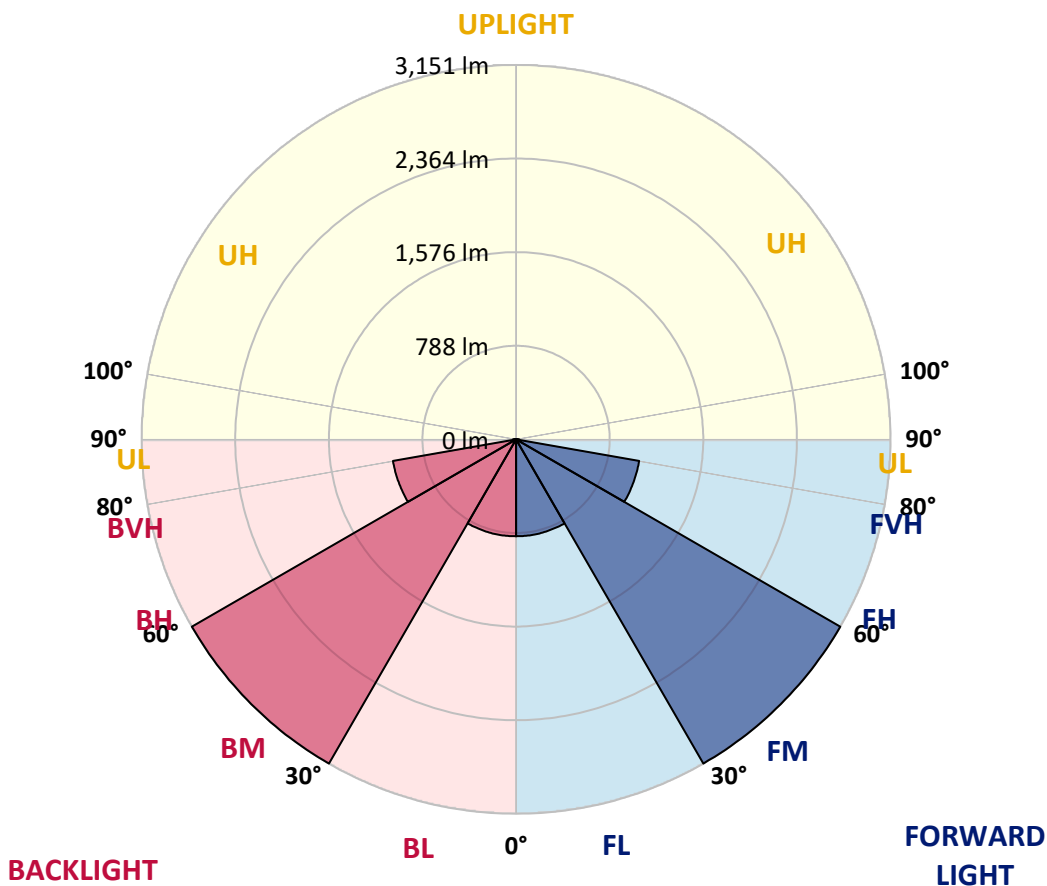
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	815.9	8.1			
FM (30°-60°)	3151.4	31.2			
FH (60°-80°)	1052.0	10.4			G1/1800
FVH (80°-90°)	26.7	0.3			G1/100
BL (0°-30°)	815.9	8.1	B2/1000		
BM (30°-60°)	3151.4	31.2	B3/5000		
BH (60°-80°)	1052.0	10.4	B3/2500		G1/1800
BVH (80°-90°)	26.7	0.3			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°	1844.3	1844.3	1844.3	1844.3	1844.3	1844.3	1844.3	1844.3	1844.3	1844.3	1844.3
2.5°	1831.4	1833.1	1836.6	1839.1	1842.6	1846.0	1847.7	1844.3	1842.6	1835.7	1843.4
5°	1833.1	1834.9	1837.4	1837.4	1838.3	1840.9	1840.9	1836.6	1832.3	1824.6	1833.1
7.5°	1830.6	1832.3	1833.1	1832.3	1833.1	1834.0	1832.3	1827.1	1822.9	1816.0	1822.9
10°	1826.3	1828.0	1829.7	1828.0	1826.3	1828.9	1828.9	1825.4	1822.9	1816.0	1823.7
12.5°	1835.7	1838.3	1839.1	1834.9	1833.1	1834.0	1834.0	1830.6	1830.6	1824.6	1833.1
15°	1858.0	1859.7	1857.1	1852.0	1852.8	1855.4	1849.4	1840.9	1839.1	1836.6	1843.4
17.5°	1875.1	1876.8	1874.3	1870.8	1876.8	1882.8	1871.7	1855.4	1850.3	1848.6	1856.3
20°	1894.0	1896.5	1893.1	1897.4	1909.4	1916.2	1902.5	1880.3	1870.0	1867.4	1876.8
22.5°	1924.8	1928.2	1928.2	1937.7	1955.6	1966.8	1949.6	1919.7	1904.2	1900.0	1909.4
25°	1973.6	1976.2	1978.8	1997.6	2026.7	2042.2	2014.7	1973.6	1952.2	1945.4	1950.5
27.5°	2041.3	2045.6	2049.9	2077.3	2113.3	2135.5	2096.1	2044.7	2018.2	2004.5	2014.7
30°	2121.8	2127.8	2138.1	2168.9	2219.5	2244.3	2193.8	2131.2	2101.3	2086.7	2100.4
32.5°	2231.5	2232.3	2240.0	2274.3	2341.1	2369.4	2306.0	2236.6	2205.8	2188.6	2196.3
35°	2361.7	2362.5	2350.5	2385.7	2457.6	2489.3	2414.8	2344.5	2318.8	2313.7	2333.4
37.5°	2495.3	2487.6	2475.6	2491.0	2563.8	2584.4	2505.6	2445.6	2434.5	2443.9	2473.0
40°	2590.4	2577.5	2553.6	2564.7	2638.4	2662.3	2578.4	2521.9	2518.4	2541.6	2576.7
42.5°	2652.1	2638.4	2610.1	2610.1	2660.6	2670.9	2605.8	2575.8	2583.5	2610.1	2643.5
45°	2682.0	2674.3	2658.1	2649.5	2677.8	2682.0	2632.4	2620.4	2634.9	2647.8	2673.5
47.5°	2705.2	2705.2	2700.0	2691.5	2704.3	2706.9	2670.1	2666.6	2685.5	2685.5	2702.6
50°	2746.3	2750.6	2757.4	2755.7	2769.4	2778.0	2750.6	2745.4	2753.1	2728.3	2736.9
52.5°	2854.2	2865.4	2885.1	2900.5	2935.6	2962.2	2913.3	2872.2	2832.0	2777.1	2778.8
55°	3047.8	3053.0	3091.5	3136.9	3196.0	3250.0	3149.8	3022.1	2934.7	2870.5	2871.4
57.5°	3211.4	3219.1	3275.7	3370.8	3503.5	3587.5	3365.6	3152.3	3029.0	2950.2	2952.7
60°	3070.1	3059.8	3166.9	3329.6	3570.3	3677.4	3350.2	3059.0	2881.6	2784.0	2790.8
62.5°	2375.4	2355.7	2474.7	2645.2	2933.9	3041.0	2739.4	2460.2	2292.3	2216.0	2204.9
65°	1446.0	1428.0	1513.6	1618.1	1813.4	1881.1	1743.2	1595.0	1448.5	1402.3	1389.4
67.5°	787.2	784.7	807.8	859.2	944.8	976.5	950.0	879.7	842.0	809.5	809.5
70°	624.5	619.3	615.0	615.9	623.6	627.9	628.8	625.3	629.6	630.5	627.0
72.5°	517.4	515.7	507.1	508.0	504.5	502.8	508.8	512.3	519.1	520.0	520.0
75°	375.2	370.9	375.2	376.1	372.6	372.6	376.9	376.1	379.5	381.2	371.8
77.5°	213.3	213.3	219.3	226.1	231.3	231.3	235.6	235.6	239.9	239.0	237.3
80°	117.4	117.4	120.8	125.1	130.2	135.3	139.6	140.5	143.1	142.2	139.6
82.5°	66.8	67.7	69.4	72.0	77.1	81.4	85.7	86.5	89.1	89.1	86.5
85°	31.7	30.8	31.7	33.4	36.0	39.4	43.7	46.3	48.0	48.0	46.3
87.5°	6.0	6.9	6.0	6.9	7.7	10.3	12.0	13.7	16.3	17.1	15.4
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)