

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: P636532

Luminaire Tested: GWS-SA4B-722-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636532
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-SA4B-722-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9665.4 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

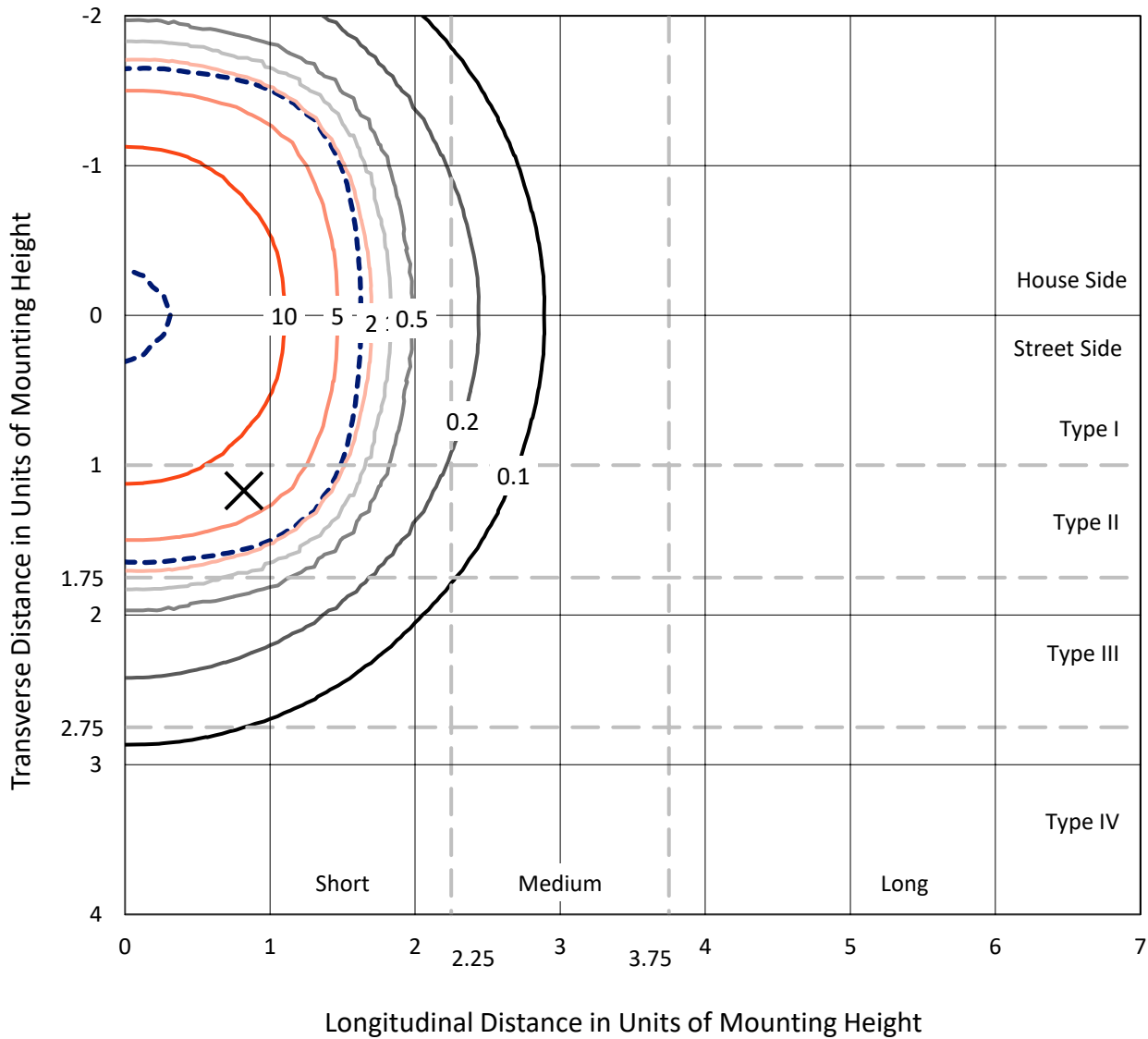
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

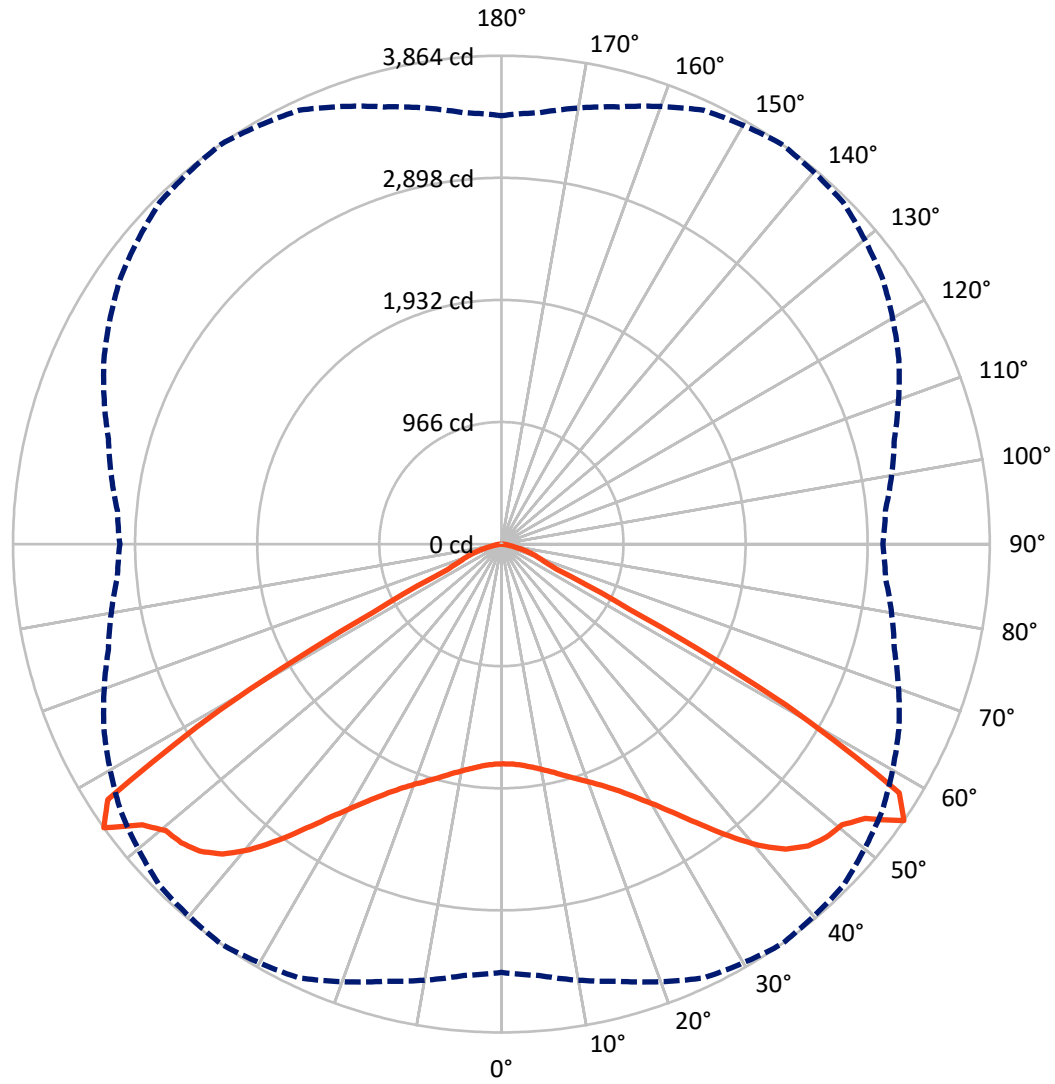
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 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
House Side	Lumens	4832.7	0.0	4832.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4832.7	0.0	4832.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9665.4	0.0	9665.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	1.8
10°-20°	540.0	5.6
20°-30°	999.4	10.3
30°-40°	1671.8	17.3
40°-50°	2547.5	26.4
50°-60°	2853.7	29.5
60°-70°	675.2	7.0
70°-80°	182.0	1.9
80°-90°	26.2	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°	9665.4	100.0
0°-180°	9665.4	100.0

Coefficient of Utilization



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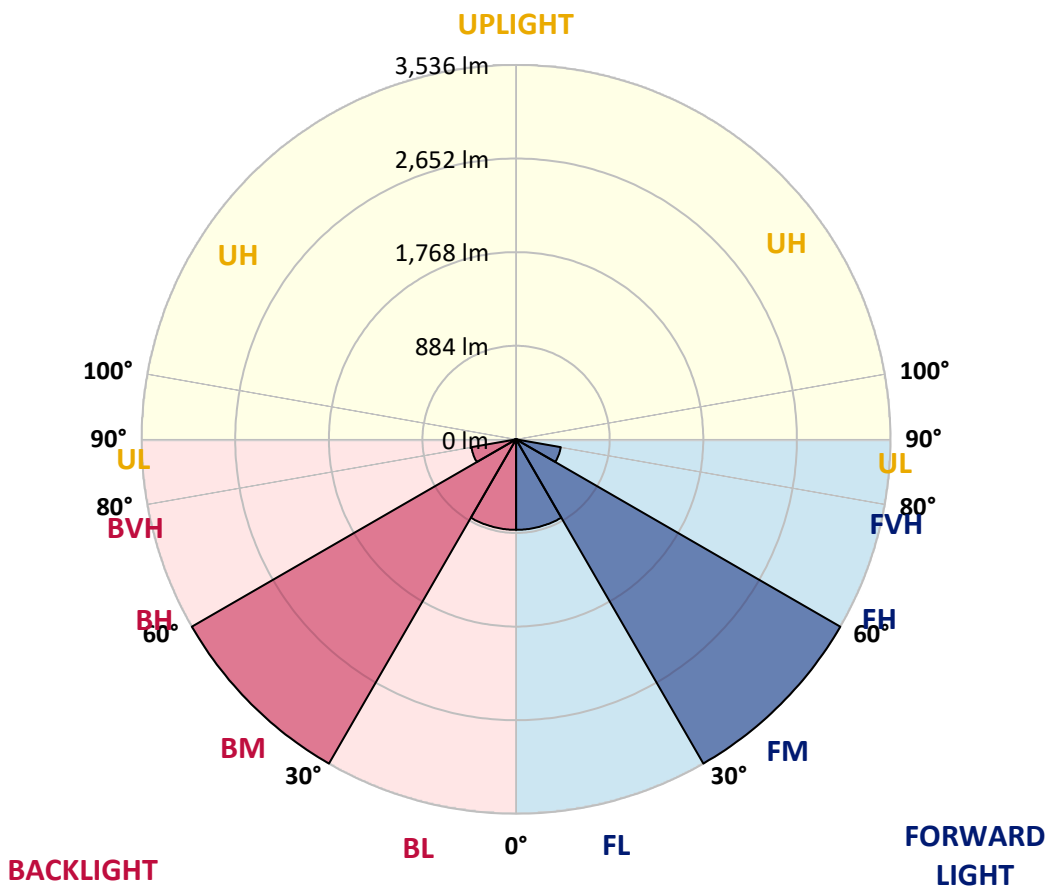
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	854.5	8.8			
FM (30°-60°)	3536.5	36.6			
FH (60°-80°)	428.6	4.4			G0/660
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	854.5	8.8	B2/1000		
BM (30°-60°)	3536.5	36.6	B3/5000		
BH (60°-80°)	428.6	4.4	B1/500		G0/660
BVH (80°-90°)	13.1	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°	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8	1738.8
2.5°	1735.0	1735.0	1738.1	1741.9	1742.7	1750.3	1748.8	1745.7	1744.2	1741.1	1748.0
5°	1754.1	1754.9	1757.2	1759.5	1757.9	1764.1	1761.8	1757.9	1755.6	1751.8	1758.7
7.5°	1779.3	1779.3	1781.6	1784.7	1783.2	1792.3	1787.7	1782.4	1778.6	1774.0	1780.1
10°	1802.3	1803.8	1806.1	1812.2	1815.3	1825.2	1822.1	1814.5	1808.4	1803.0	1809.9
12.5°	1836.7	1838.2	1840.5	1848.9	1854.2	1864.2	1859.6	1848.9	1839.7	1832.1	1839.7
15°	1881.0	1879.5	1885.6	1896.3	1903.2	1912.3	1907.0	1888.6	1876.4	1866.5	1874.1
17.5°	1926.1	1925.3	1931.4	1945.2	1955.1	1967.4	1958.2	1936.8	1923.8	1911.6	1919.2
20°	1975.0	1977.3	1983.4	1996.4	2010.9	2027.0	2019.3	1996.4	1981.9	1968.1	1974.2
22.5°	2035.4	2036.2	2043.0	2059.8	2079.0	2094.2	2089.7	2061.4	2043.0	2028.5	2036.2
25°	2108.0	2107.2	2116.4	2136.3	2163.0	2178.3	2168.4	2137.0	2117.2	2100.4	2106.5
27.5°	2191.3	2190.5	2204.3	2230.3	2268.5	2289.9	2269.3	2230.3	2202.8	2179.1	2184.4
30°	2296.0	2293.7	2309.0	2344.2	2393.9	2429.8	2399.2	2344.9	2309.0	2283.8	2289.1
32.5°	2412.2	2415.3	2434.4	2481.8	2544.4	2591.0	2545.2	2484.8	2436.7	2400.0	2406.1
35°	2539.8	2539.8	2578.8	2637.7	2727.1	2789.0	2717.9	2630.8	2566.6	2516.1	2517.7
37.5°	2682.0	2683.5	2734.7	2815.8	2932.7	3005.3	2909.0	2801.2	2723.3	2669.0	2666.0
40°	2855.5	2860.1	2912.8	3003.0	3134.5	3201.0	3097.8	2992.3	2912.8	2848.6	2842.5
42.5°	3051.2	3052.7	3108.5	3189.5	3300.3	3340.1	3259.1	3172.7	3107.7	3049.6	3043.5
45°	3237.7	3233.8	3282.0	3342.4	3406.6	3410.4	3365.3	3330.1	3273.6	3223.9	3214.7
47.5°	3382.9	3379.8	3423.4	3456.3	3463.9	3426.5	3441.0	3446.3	3380.6	3313.3	3295.8
50°	3471.5	3477.7	3518.9	3537.3	3492.2	3431.0	3486.1	3472.3	3378.3	3290.4	3262.1
52.5°	3525.1	3534.2	3606.1	3652.7	3606.1	3548.0	3555.6	3474.6	3339.3	3223.1	3186.5
55°	3389.8	3426.5	3581.6	3788.0	3864.4	3823.9	3678.7	3470.0	3219.3	3050.4	3019.1
57.5°	2512.3	2570.4	2800.5	3247.6	3712.3	3859.8	3435.6	2909.0	2529.1	2312.1	2293.7
60°	1282.5	1347.5	1531.7	1991.1	2588.8	2796.7	2393.1	1862.7	1480.5	1304.7	1284.8
62.5°	523.6	534.3	594.6	772.0	1144.2	1320.0	1159.5	814.0	611.5	563.3	564.1
65°	412.0	414.3	411.2	421.9	479.2	532.0	491.5	431.8	421.1	426.5	422.7
67.5°	359.2	360.0	357.7	357.7	360.0	357.7	362.3	364.6	366.1	372.2	368.4
70°	300.4	301.1	301.1	302.7	301.9	298.1	305.0	308.0	308.8	312.6	310.3
72.5°	232.4	234.6	236.2	236.9	236.2	233.9	237.7	243.1	242.3	246.1	242.3
75°	157.5	160.5	162.0	165.1	164.3	164.3	168.9	171.2	168.9	172.0	168.9
77.5°	89.4	91.7	96.3	99.4	102.4	104.7	107.8	109.3	108.5	110.1	108.5
80°	52.0	52.7	56.6	58.1	61.9	65.7	68.8	70.3	71.1	71.8	71.1
82.5°	29.8	30.6	32.1	33.6	36.7	39.7	42.8	45.1	45.1	45.9	45.1
85°	14.5	14.5	15.3	16.1	17.6	19.9	22.2	24.5	25.2	25.2	25.2
87.5°	2.3	2.3	3.1	3.1	3.8	4.6	6.1	7.6	8.4	8.4	8.4
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)