

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: P636535

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636535
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-SA4B-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 9004.3 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

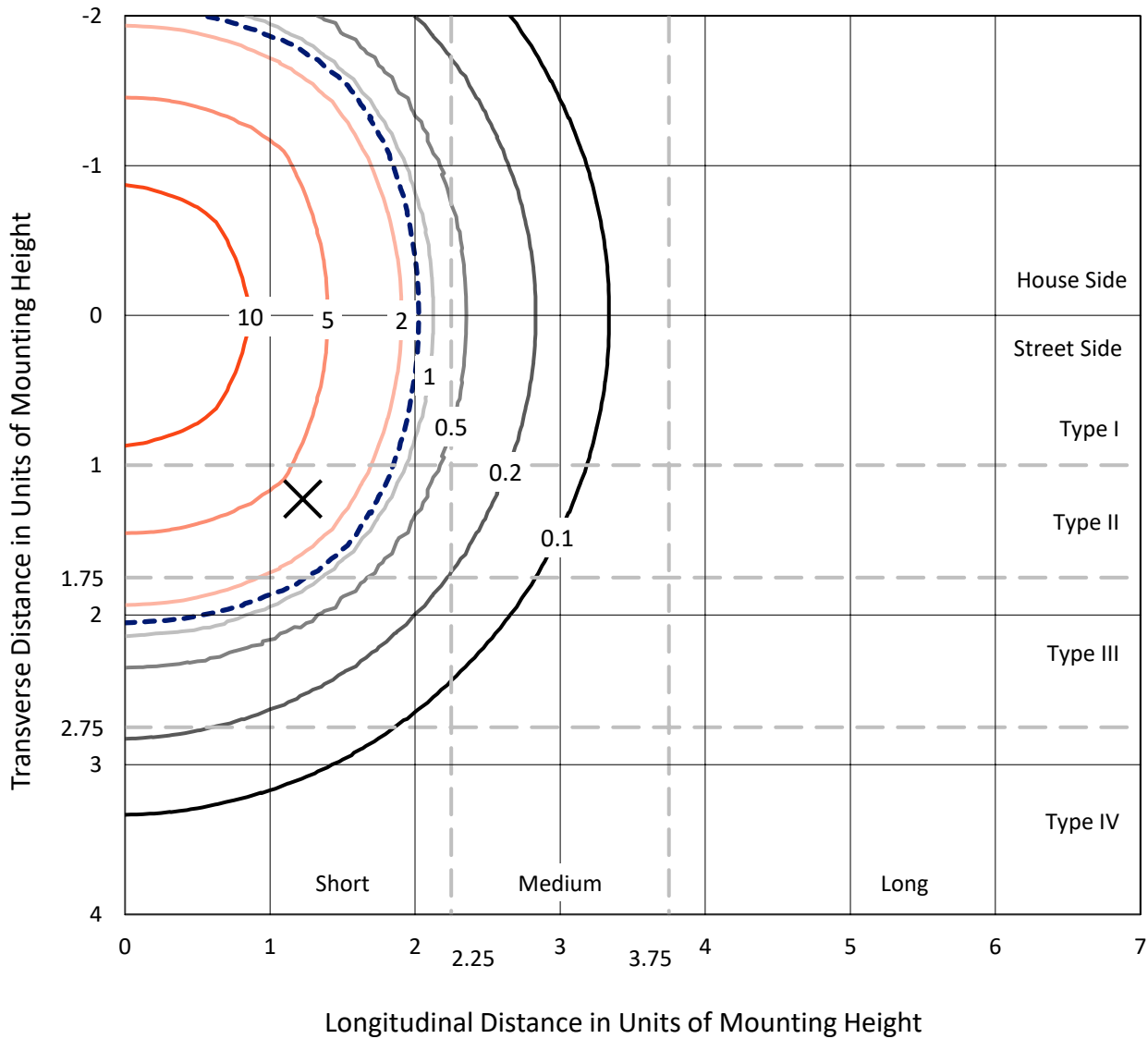
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

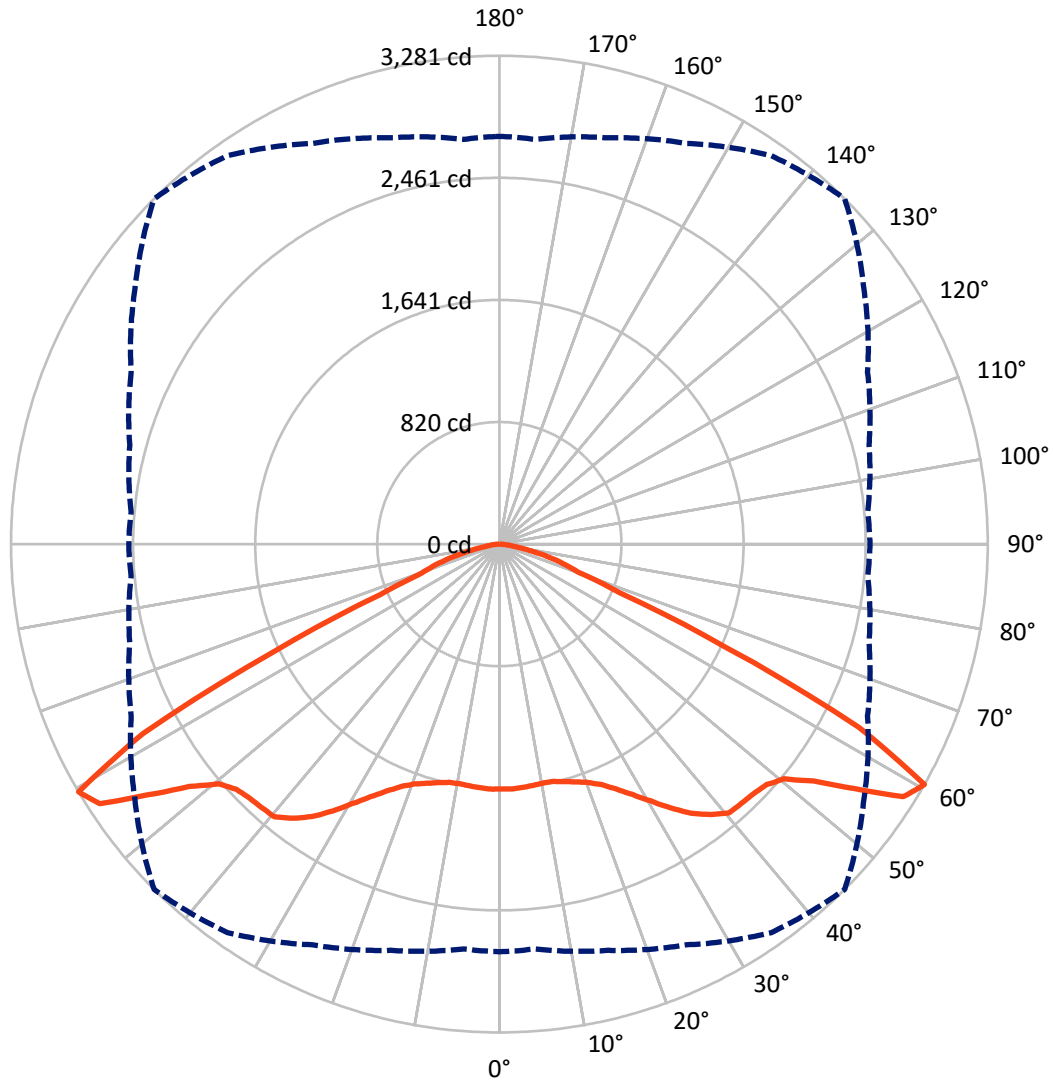
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 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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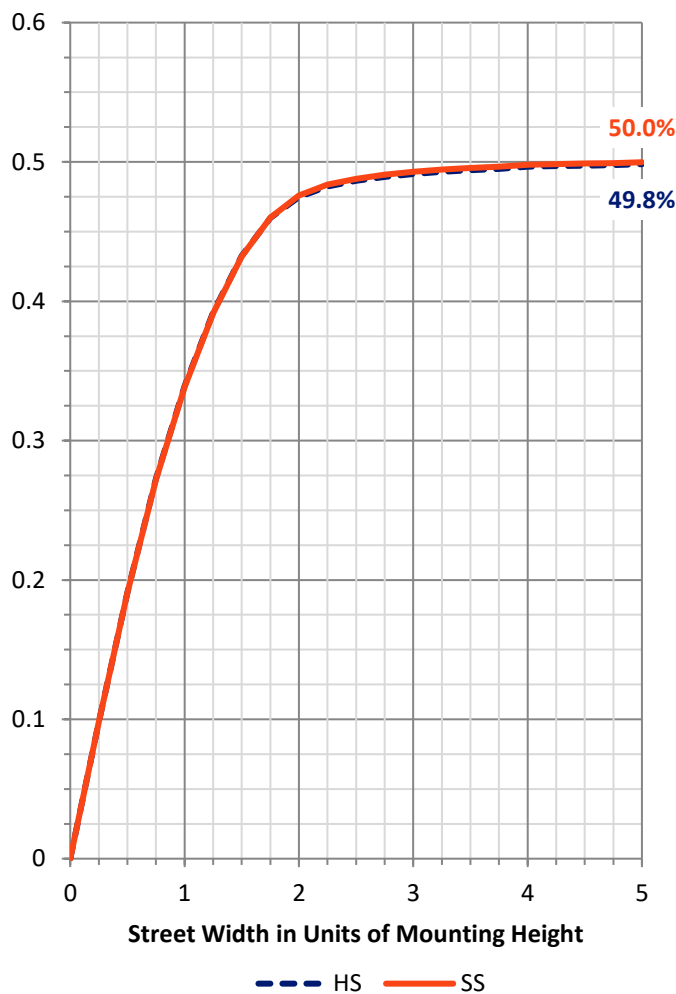
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4502.2	0.0	4502.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4502.2	0.0	4502.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9004.3	0.0	9004.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.1	1.7
10°-20°	469.4	5.2
20°-30°	830.4	9.2
30°-40°	1337.0	14.8
40°-50°	1837.7	20.4
50°-60°	2448.9	27.2
60°-70°	1526.3	17.0
70°-80°	351.0	3.9
80°-90°	47.6	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°	9004.3	100.0
0°-180°	9004.3	100.0

Coefficient of Utilization



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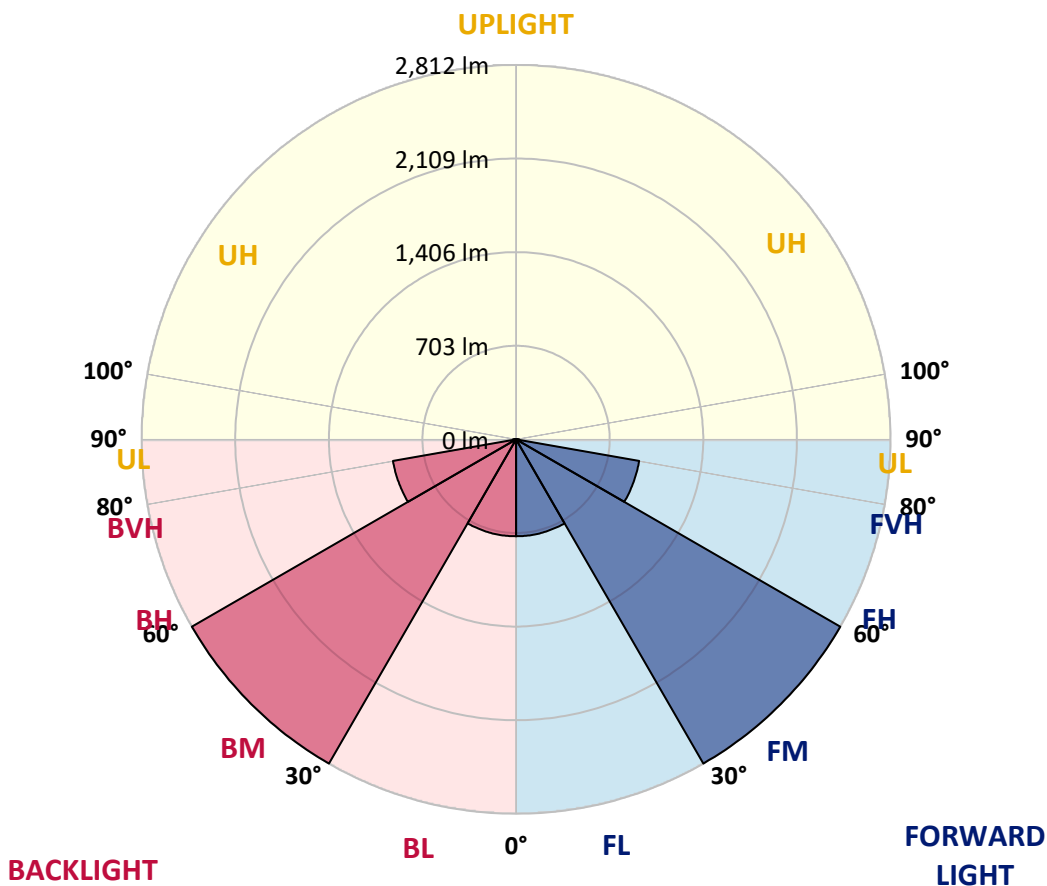
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	727.9	8.1			
FM (30°-60°)	2811.8	31.2			
FH (60°-80°)	938.6	10.4			G1/1800
FVH (80°-90°)	23.8	0.3			G1/100
BL (0°-30°)	727.9	8.1	B2/1000		
BM (30°-60°)	2811.8	31.2	B3/5000		
BH (60°-80°)	938.6	10.4	B2/1000		G1/1800
BVH (80°-90°)	23.8	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°	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5
2.5°	1634.1	1635.6	1638.6	1640.9	1644.0	1647.1	1648.6	1645.5	1644.0	1637.9	1644.8
5°	1635.6	1637.1	1639.4	1639.4	1640.2	1642.5	1642.5	1638.6	1634.8	1627.9	1635.6
7.5°	1633.3	1634.8	1635.6	1634.8	1635.6	1636.4	1634.8	1630.2	1626.4	1620.3	1626.4
10°	1629.5	1631.0	1632.5	1631.0	1629.5	1631.8	1631.8	1628.7	1626.4	1620.3	1627.2
12.5°	1637.9	1640.2	1640.9	1637.1	1635.6	1636.4	1636.4	1633.3	1633.3	1627.9	1635.6
15°	1657.8	1659.3	1657.0	1652.4	1653.2	1655.5	1650.1	1642.5	1640.9	1638.6	1644.8
17.5°	1673.0	1674.6	1672.3	1669.2	1674.6	1679.9	1670.0	1655.5	1650.9	1649.3	1656.2
20°	1689.9	1692.1	1689.1	1692.9	1703.6	1709.7	1697.5	1677.6	1668.5	1666.2	1674.6
22.5°	1717.4	1720.4	1720.4	1728.8	1744.9	1754.8	1739.5	1712.8	1699.0	1695.2	1703.6
25°	1760.9	1763.2	1765.5	1782.3	1808.3	1822.1	1797.6	1760.9	1741.8	1735.7	1740.3
27.5°	1821.3	1825.1	1829.0	1853.4	1885.5	1905.4	1870.2	1824.4	1800.7	1788.4	1797.6
30°	1893.2	1898.5	1907.7	1935.2	1980.3	2002.4	1957.4	1901.6	1874.8	1861.8	1874.0
32.5°	1991.0	1991.7	1998.6	2029.2	2088.8	2114.0	2057.5	1995.6	1968.1	1952.8	1959.6
35°	2107.2	2107.9	2097.2	2128.6	2192.8	2221.0	2154.5	2091.9	2068.9	2064.4	2081.9
37.5°	2226.4	2219.5	2208.8	2222.6	2287.5	2305.9	2235.6	2182.1	2172.1	2180.5	2206.5
40°	2311.2	2299.8	2278.4	2288.3	2354.0	2375.4	2300.5	2250.1	2247.0	2267.7	2299.0
42.5°	2366.3	2354.0	2328.8	2328.8	2373.9	2383.1	2325.0	2298.2	2305.1	2328.8	2358.6
45°	2393.0	2386.1	2371.6	2364.0	2389.2	2393.0	2348.7	2338.0	2351.0	2362.4	2385.4
47.5°	2413.6	2413.6	2409.1	2401.4	2412.9	2415.2	2382.3	2379.2	2396.1	2396.1	2411.3
50°	2450.3	2454.1	2460.3	2458.7	2471.0	2478.6	2454.1	2449.6	2456.4	2434.3	2441.9
52.5°	2546.6	2556.6	2574.1	2587.9	2619.2	2642.9	2599.4	2562.7	2526.8	2477.8	2479.4
55°	2719.4	2723.9	2758.3	2798.8	2851.6	2899.7	2810.3	2696.4	2618.5	2561.1	2561.9
57.5°	2865.3	2872.2	2922.7	3007.5	3126.0	3200.9	3002.9	2812.6	2702.5	2632.2	2634.5
60°	2739.2	2730.1	2825.6	2970.8	3185.6	3281.1	2989.2	2729.3	2571.1	2484.0	2490.1
62.5°	2119.4	2101.8	2208.0	2360.1	2617.7	2713.2	2444.2	2195.0	2045.2	1977.2	1967.3
65°	1290.1	1274.1	1350.5	1443.7	1618.0	1678.4	1555.3	1423.1	1292.4	1251.1	1239.7
67.5°	702.4	700.1	720.7	766.6	843.0	871.3	847.6	784.9	751.3	722.3	722.3
70°	557.2	552.6	548.8	549.5	556.4	560.2	561.0	557.9	561.8	562.5	559.5
72.5°	461.6	460.1	452.5	453.2	450.2	448.6	454.0	457.0	463.2	463.9	463.9
75°	334.8	330.9	334.8	335.5	332.5	332.5	336.3	335.5	338.6	340.1	331.7
77.5°	190.3	190.3	195.7	201.8	206.4	206.4	210.2	210.2	214.0	213.2	211.7
80°	104.7	104.7	107.8	111.6	116.2	120.8	124.6	125.3	127.6	126.9	124.6
82.5°	59.6	60.4	61.9	64.2	68.8	72.6	76.4	77.2	79.5	79.5	77.2
85°	28.3	27.5	28.3	29.8	32.1	35.2	39.0	41.3	42.8	42.8	41.3
87.5°	5.4	6.1	5.4	6.1	6.9	9.2	10.7	12.2	14.5	15.3	13.8
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)