

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: P633070

Luminaire Tested: GWS-SA2E-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633070
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-SA2E-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: 9076.9 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

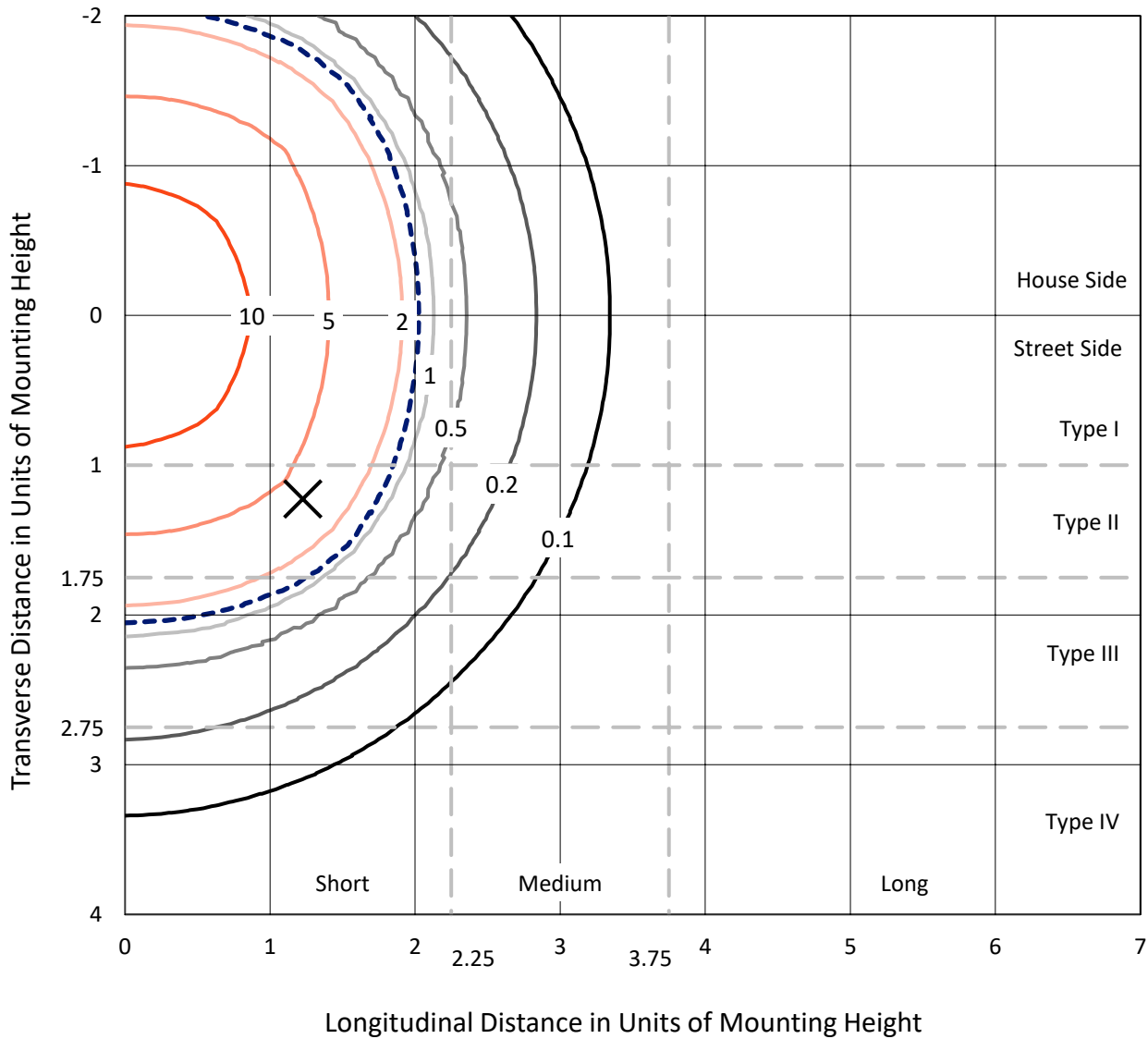
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

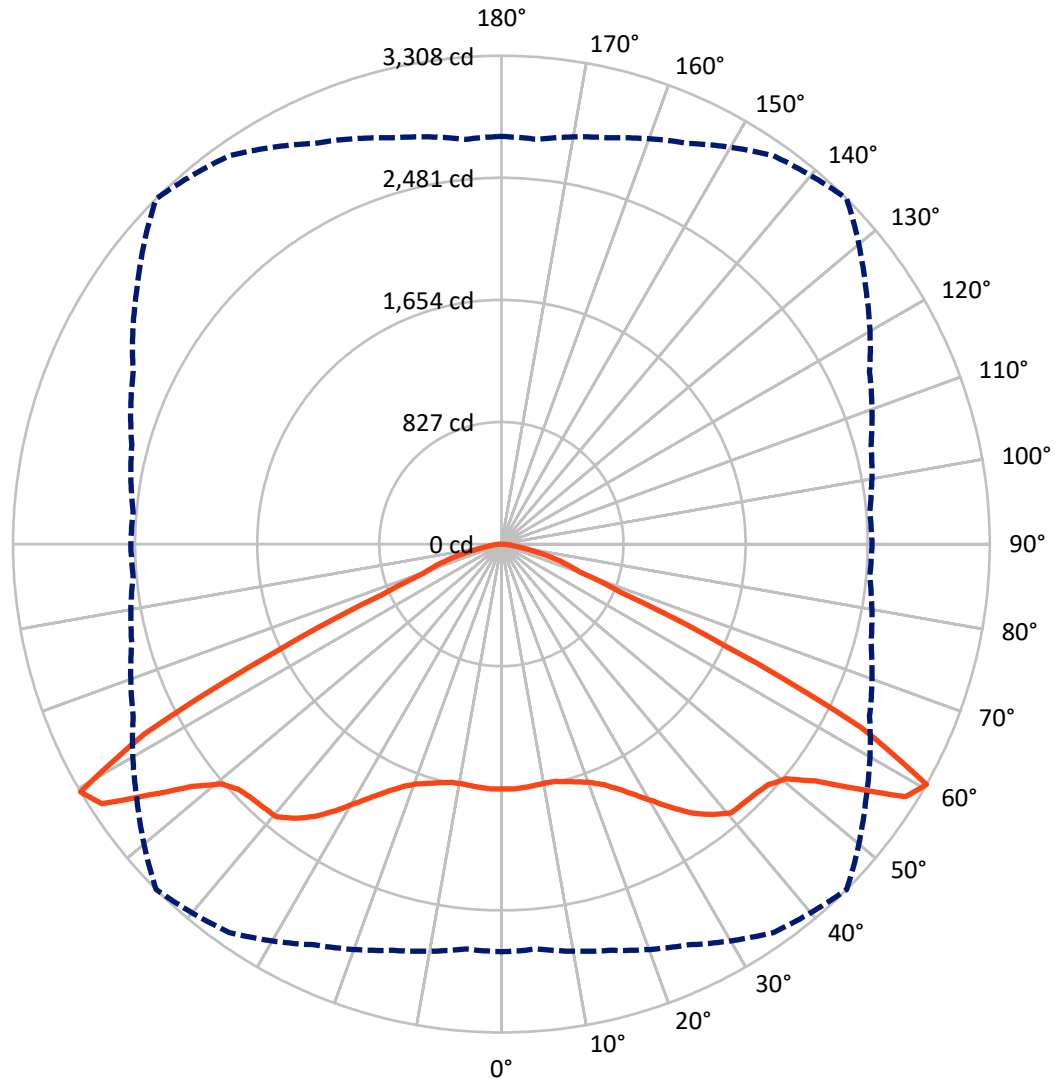
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 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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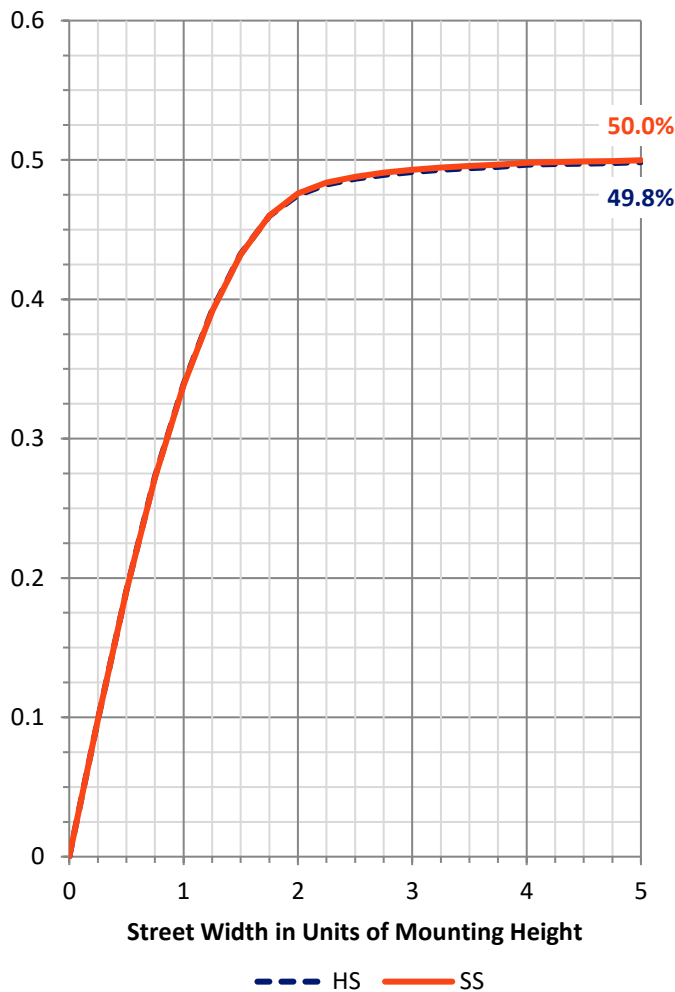
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4538.4	0.0	4538.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4538.4	0.0	4538.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9076.9	0.0	9076.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.7
10°-20°	473.2	5.2
20°-30°	837.1	9.2
30°-40°	1347.8	14.8
40°-50°	1852.5	20.4
50°-60°	2468.6	27.2
60°-70°	1538.6	17.0
70°-80°	353.8	3.9
80°-90°	48.0	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°	9076.9	100.0
0°-180°	9076.9	100.0

Coefficient of Utilization



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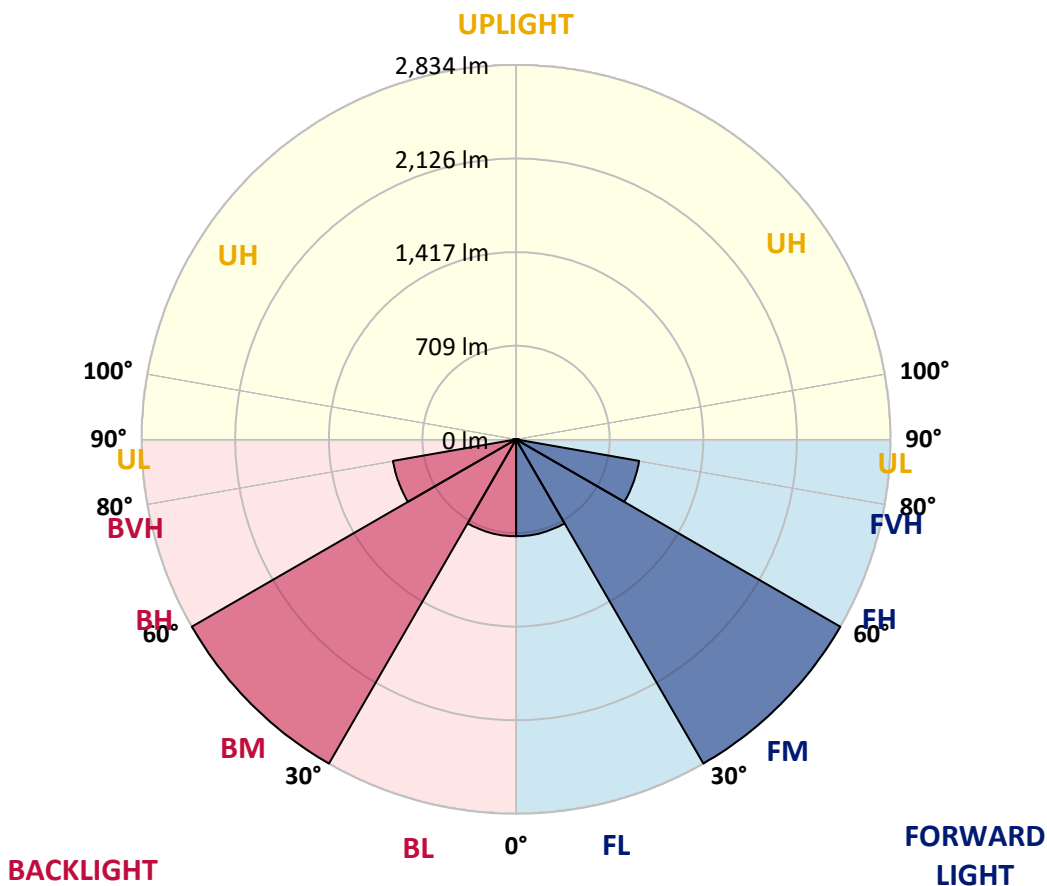
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.8	8.1			
FM (30°-60°)	2834.5	31.2			
FH (60°-80°)	946.2	10.4			G1/1800
FVH (80°-90°)	24.0	0.3			G1/100
BL (0°-30°)	733.8	8.1	B2/1000		
BM (30°-60°)	2834.5	31.2	B3/5000		
BH (60°-80°)	946.2	10.4	B2/1000		G1/1800
BVH (80°-90°)	24.0	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°	1658.8	1658.8	1658.8	1658.8	1658.8	1658.8	1658.8	1658.8	1658.8	1658.8	1658.8
2.5°	1647.2	1648.8	1651.9	1654.2	1657.2	1660.3	1661.9	1658.8	1657.2	1651.1	1658.0
5°	1648.8	1650.3	1652.6	1652.6	1653.4	1655.7	1655.7	1651.9	1648.0	1641.1	1648.8
7.5°	1646.5	1648.0	1648.8	1648.0	1648.8	1649.5	1648.0	1643.4	1639.5	1633.4	1639.5
10°	1642.6	1644.2	1645.7	1644.2	1642.6	1644.9	1644.9	1641.8	1639.5	1633.4	1640.3
12.5°	1651.1	1653.4	1654.2	1650.3	1648.8	1649.5	1649.5	1646.5	1646.5	1641.1	1648.8
15°	1671.1	1672.7	1670.3	1665.7	1666.5	1668.8	1663.4	1655.7	1654.2	1651.9	1658.0
17.5°	1686.5	1688.1	1685.8	1682.7	1688.1	1693.5	1683.4	1668.8	1664.2	1662.6	1669.6
20°	1703.5	1705.8	1702.7	1706.6	1717.3	1723.5	1711.2	1691.1	1681.9	1679.6	1688.1
22.5°	1731.2	1734.3	1734.3	1742.8	1758.9	1769.0	1753.6	1726.6	1712.7	1708.9	1717.3
25°	1775.1	1777.4	1779.8	1796.7	1822.9	1836.8	1812.1	1775.1	1755.9	1749.7	1754.3
27.5°	1836.0	1839.8	1843.7	1868.4	1900.7	1920.7	1885.3	1839.1	1815.2	1802.9	1812.1
30°	1908.4	1913.8	1923.1	1950.8	1996.2	2018.6	1973.1	1916.9	1889.9	1876.8	1889.2
32.5°	2007.0	2007.8	2014.7	2045.6	2105.7	2131.1	2074.1	2011.7	1983.9	1968.5	1975.4
35°	2124.1	2124.9	2114.1	2145.7	2210.4	2238.9	2171.9	2108.7	2085.6	2081.0	2098.7
37.5°	2244.3	2237.4	2226.6	2240.5	2306.0	2324.5	2253.6	2199.7	2189.6	2198.1	2224.3
40°	2329.9	2318.3	2296.7	2306.7	2373.0	2394.6	2319.1	2268.2	2265.1	2285.9	2317.5
42.5°	2385.3	2373.0	2347.6	2347.6	2393.0	2402.3	2343.7	2316.8	2323.7	2347.6	2377.6
45°	2412.3	2405.4	2390.7	2383.0	2408.4	2412.3	2367.6	2356.8	2369.9	2381.5	2404.6
47.5°	2433.1	2433.1	2428.5	2420.8	2432.3	2434.6	2401.5	2398.4	2415.4	2415.4	2430.8
50°	2470.1	2473.9	2480.1	2478.6	2490.9	2498.6	2473.9	2469.3	2476.2	2453.9	2461.6
52.5°	2567.2	2577.2	2594.9	2608.8	2640.4	2664.2	2620.3	2583.3	2547.1	2497.8	2499.4
55°	2741.3	2745.9	2780.6	2821.4	2874.6	2923.1	2833.0	2718.2	2639.6	2581.8	2582.6
57.5°	2888.4	2895.4	2946.2	3031.7	3151.2	3226.7	3027.1	2835.3	2724.3	2653.4	2655.8
60°	2761.3	2752.1	2848.4	2994.8	3211.3	3307.6	3013.3	2751.3	2591.8	2504.0	2510.1
62.5°	2136.5	2118.8	2225.8	2379.2	2638.8	2735.1	2463.9	2212.7	2061.7	1993.2	1983.2
65°	1300.5	1284.3	1361.4	1455.4	1631.1	1691.9	1567.9	1434.6	1302.8	1261.2	1249.7
67.5°	708.0	705.7	726.5	772.8	849.8	878.3	854.4	791.3	757.4	728.1	728.1
70°	561.7	557.0	553.2	554.0	560.9	564.7	565.5	562.4	566.3	567.1	564.0
72.5°	465.4	463.8	456.1	456.9	453.8	452.3	457.7	460.7	466.9	467.7	467.7
75°	337.5	333.6	337.5	338.2	335.1	335.1	339.0	338.2	341.3	342.9	334.4
77.5°	191.8	191.8	197.2	203.4	208.0	208.0	211.9	211.9	215.7	215.0	213.4
80°	105.6	105.6	108.6	112.5	117.1	121.7	125.6	126.4	128.7	127.9	125.6
82.5°	60.1	60.9	62.4	64.7	69.3	73.2	77.0	77.8	80.1	80.1	77.8
85°	28.5	27.7	28.5	30.0	32.4	35.4	39.3	41.6	43.1	43.1	41.6
87.5°	5.4	6.2	5.4	6.2	6.9	9.2	10.8	12.3	14.6	15.4	13.9
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)