

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: P639003

Luminaire Tested: GWS-SA5B-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7991 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

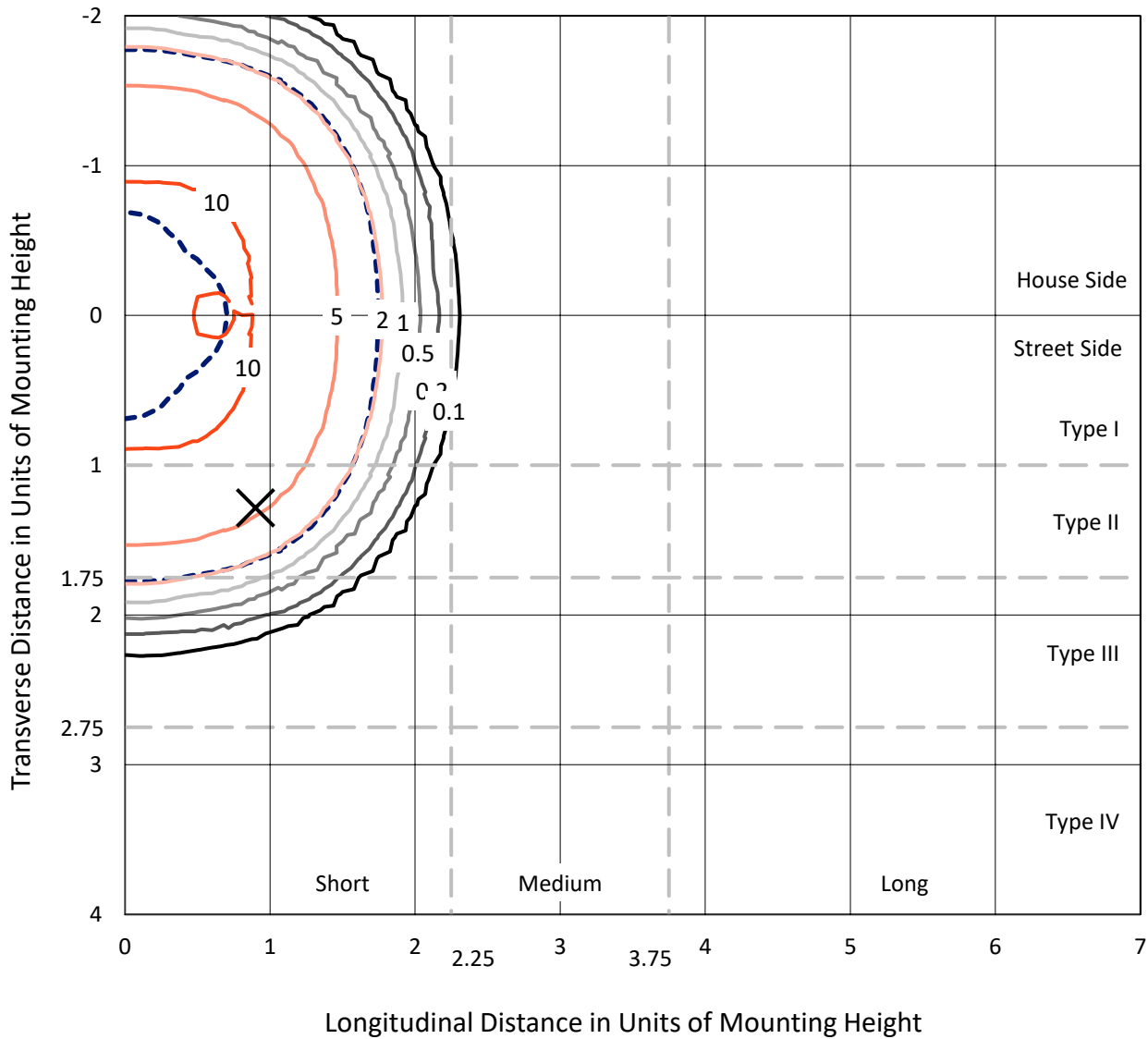
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

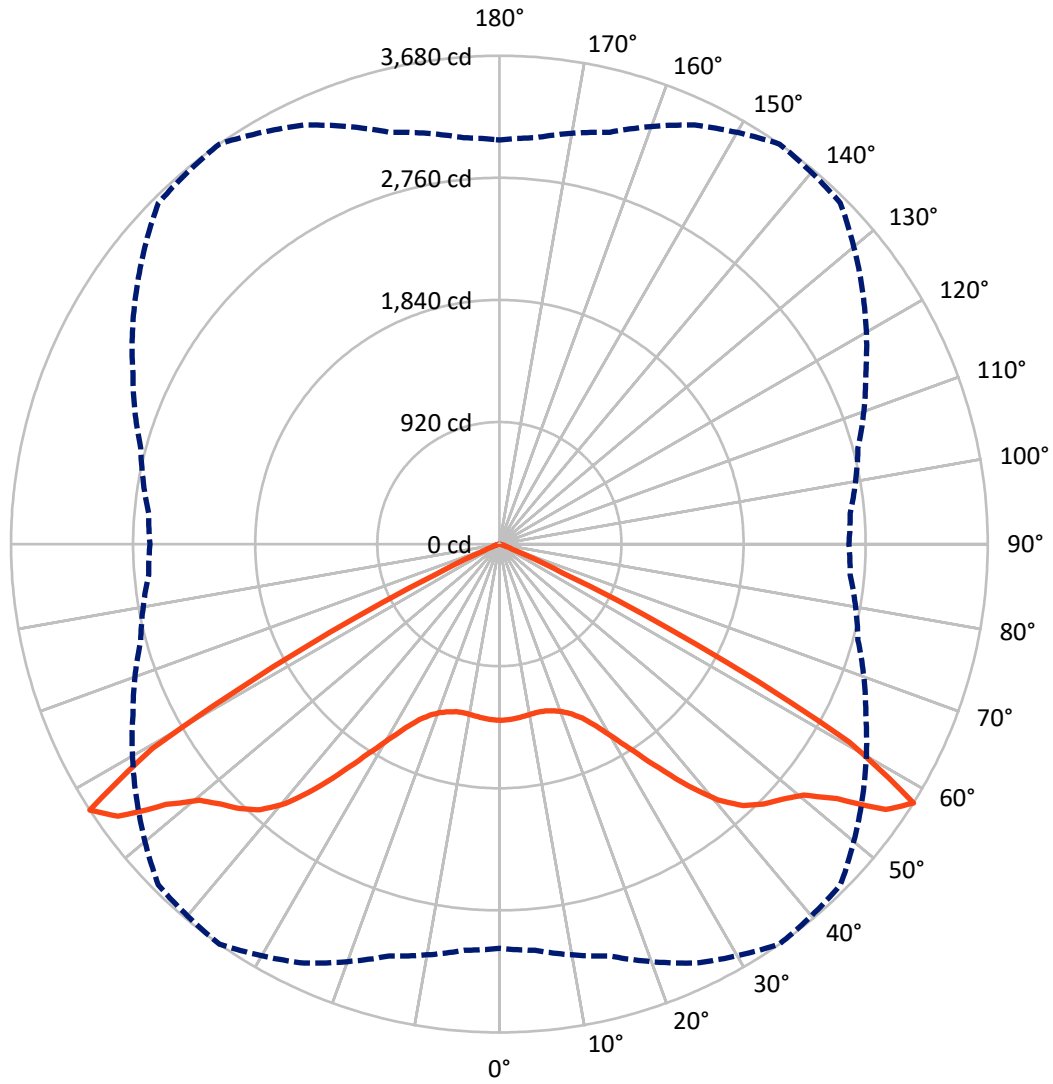
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3995.5	0.0	3995.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3995.5	0.0	3995.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7991.0	0.0	7991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	1.6
10°-20°	368.2	4.6
20°-30°	665.5	8.3
30°-40°	1241.6	15.5
40°-50°	2082.9	26.1
50°-60°	2750.6	34.4
60°-70°	730.5	9.1
70°-80°	25.9	0.3
80°-90°	0.5	0.0
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°	7991.0	100.0
0°-180°	7991.0	100.0

Coefficient of Utilization



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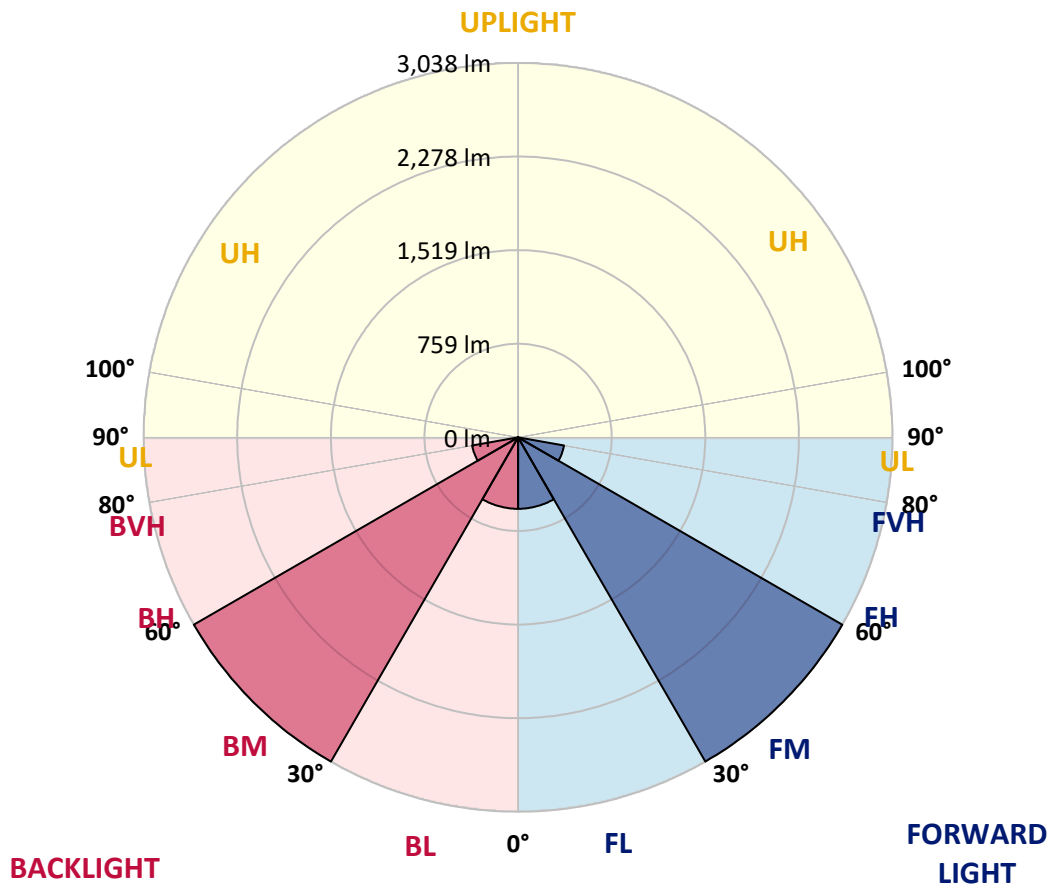
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.5	7.3			
FM (30°-60°)	3037.6	38.0			
FH (60°-80°)	378.2	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	579.5	7.3	B2/1000		
BM (30°-60°)	3037.6	38.0	B3/5000		
BH (60°-80°)	378.2	4.7	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6
2.5°	1319.2	1318.3	1322.0	1324.8	1324.8	1331.4	1329.5	1327.6	1325.8	1323.0	1329.5
5°	1317.3	1316.4	1319.2	1321.1	1319.2	1324.8	1321.1	1317.3	1315.4	1311.7	1319.2
7.5°	1308.9	1309.8	1311.7	1313.6	1310.8	1315.4	1310.8	1305.1	1300.4	1296.7	1303.3
10°	1295.8	1296.7	1298.6	1302.3	1303.3	1309.8	1303.3	1292.9	1286.4	1280.8	1287.3
12.5°	1289.2	1290.1	1292.9	1297.6	1298.6	1307.0	1298.6	1283.6	1274.2	1267.6	1274.2
15°	1291.1	1292.9	1296.7	1302.3	1304.2	1312.6	1301.4	1281.7	1268.6	1260.1	1265.8
17.5°	1297.6	1299.5	1305.1	1314.5	1321.1	1329.5	1315.4	1290.1	1272.3	1260.1	1265.8
20°	1306.1	1308.9	1318.3	1333.3	1347.3	1362.3	1344.5	1309.8	1286.4	1271.4	1276.1
22.5°	1329.5	1332.3	1345.5	1365.1	1388.6	1407.3	1385.8	1341.7	1309.8	1290.1	1294.8
25°	1377.3	1380.1	1397.0	1422.3	1452.3	1476.7	1449.5	1394.2	1353.0	1330.5	1332.3
27.5°	1452.3	1455.2	1474.8	1510.5	1550.8	1585.5	1546.1	1481.4	1434.5	1408.3	1408.3
30°	1547.0	1550.8	1577.0	1624.9	1687.7	1733.6	1680.2	1601.4	1541.4	1505.8	1506.7
32.5°	1668.9	1665.2	1702.7	1768.3	1857.4	1918.3	1839.6	1743.9	1669.9	1620.2	1624.9
35°	1825.5	1824.6	1866.8	1955.8	2072.1	2145.2	2051.5	1927.7	1838.6	1788.0	1788.9
37.5°	2027.1	2026.1	2074.9	2171.5	2311.2	2372.1	2267.1	2141.5	2045.8	1997.1	2002.7
40°	2263.4	2257.7	2300.9	2393.7	2533.4	2572.8	2458.4	2357.1	2265.2	2234.3	2249.3
42.5°	2488.4	2476.2	2501.5	2585.9	2693.7	2699.3	2613.1	2543.7	2480.9	2456.5	2465.9
45°	2669.3	2660.0	2683.4	2732.2	2794.0	2765.9	2724.7	2703.1	2652.5	2626.2	2634.6
47.5°	2804.4	2804.4	2832.5	2862.5	2871.9	2820.3	2826.9	2826.9	2776.2	2735.0	2724.7
50°	2920.6	2929.1	2971.2	3002.2	2971.2	2905.6	2943.1	2935.6	2832.5	2750.0	2728.4
52.5°	3106.3	3114.7	3179.4	3221.6	3186.9	3122.2	3126.9	3033.1	2881.2	2783.7	2750.0
55°	3303.2	3323.8	3417.5	3530.1	3531.0	3464.4	3340.7	3174.7	2990.0	2884.0	2849.4
57.5°	3045.3	3073.4	3213.1	3484.1	3680.1	3634.1	3338.8	3047.2	2797.8	2653.4	2633.7
60°	2095.5	2144.3	2284.0	2654.3	3032.2	3050.0	2701.2	2374.0	2088.0	1909.9	1913.6
62.5°	885.1	934.8	1013.5	1318.3	1665.2	1686.7	1518.0	1283.6	1050.1	921.7	941.3
65°	208.1	222.2	245.7	364.7	528.8	553.2	510.1	397.5	293.5	248.5	253.2
67.5°	90.9	92.8	88.1	93.8	116.3	119.1	115.3	101.3	95.6	97.5	97.5
70°	63.8	64.7	60.9	58.1	55.3	51.6	53.4	59.1	63.8	67.5	66.6
72.5°	39.4	40.3	41.3	41.3	38.4	34.7	36.6	40.3	41.3	42.2	41.3
75°	19.7	20.6	22.5	23.4	22.5	21.6	21.6	22.5	22.5	21.6	21.6
77.5°	3.8	4.7	6.6	7.5	7.5	7.5	7.5	7.5	8.4	7.5	7.5
80°	0.9	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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)