

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: P639005

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
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  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

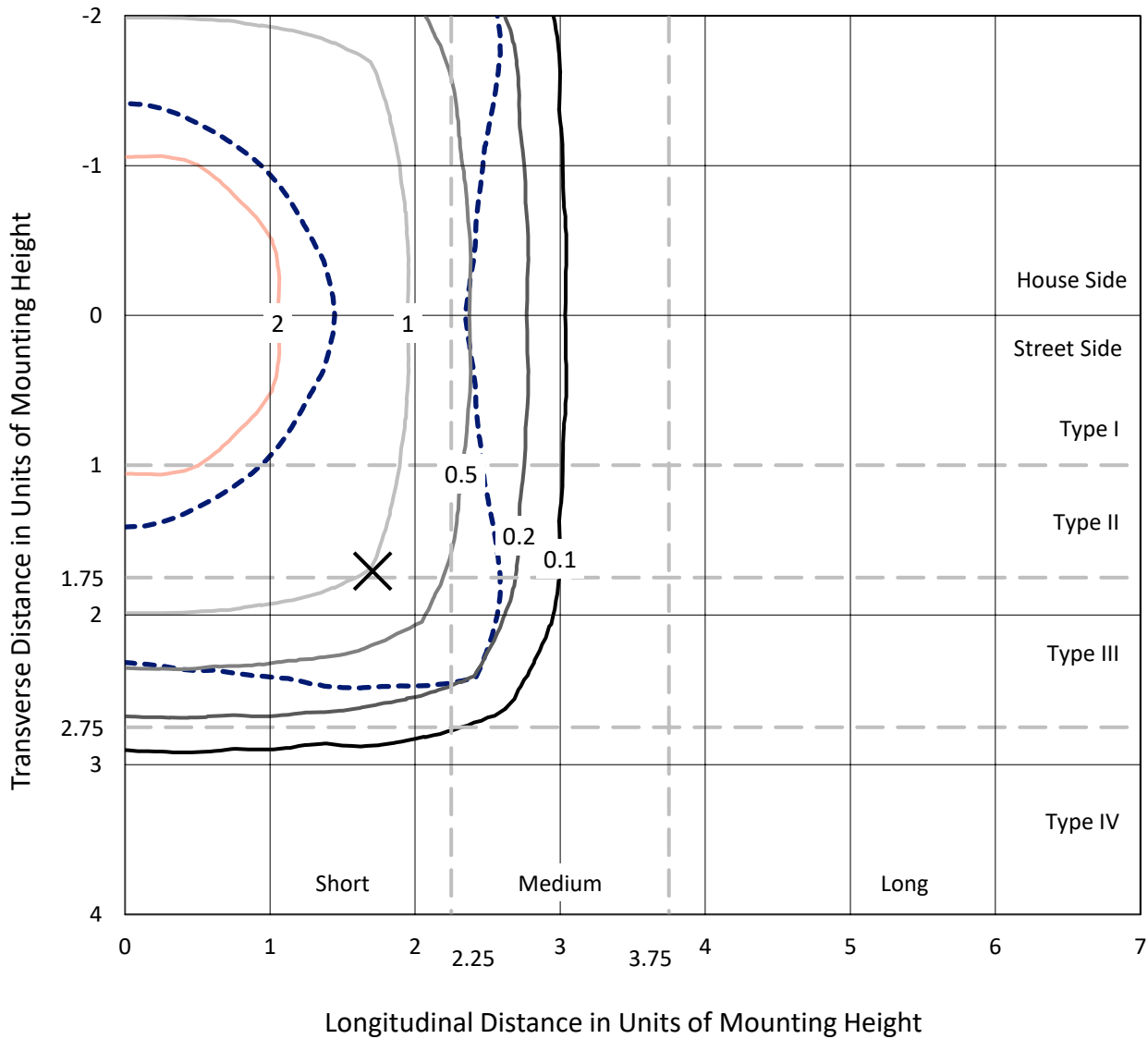
Lumens per Lamp: N/A  
Luminaire Lumens: 13544.4 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

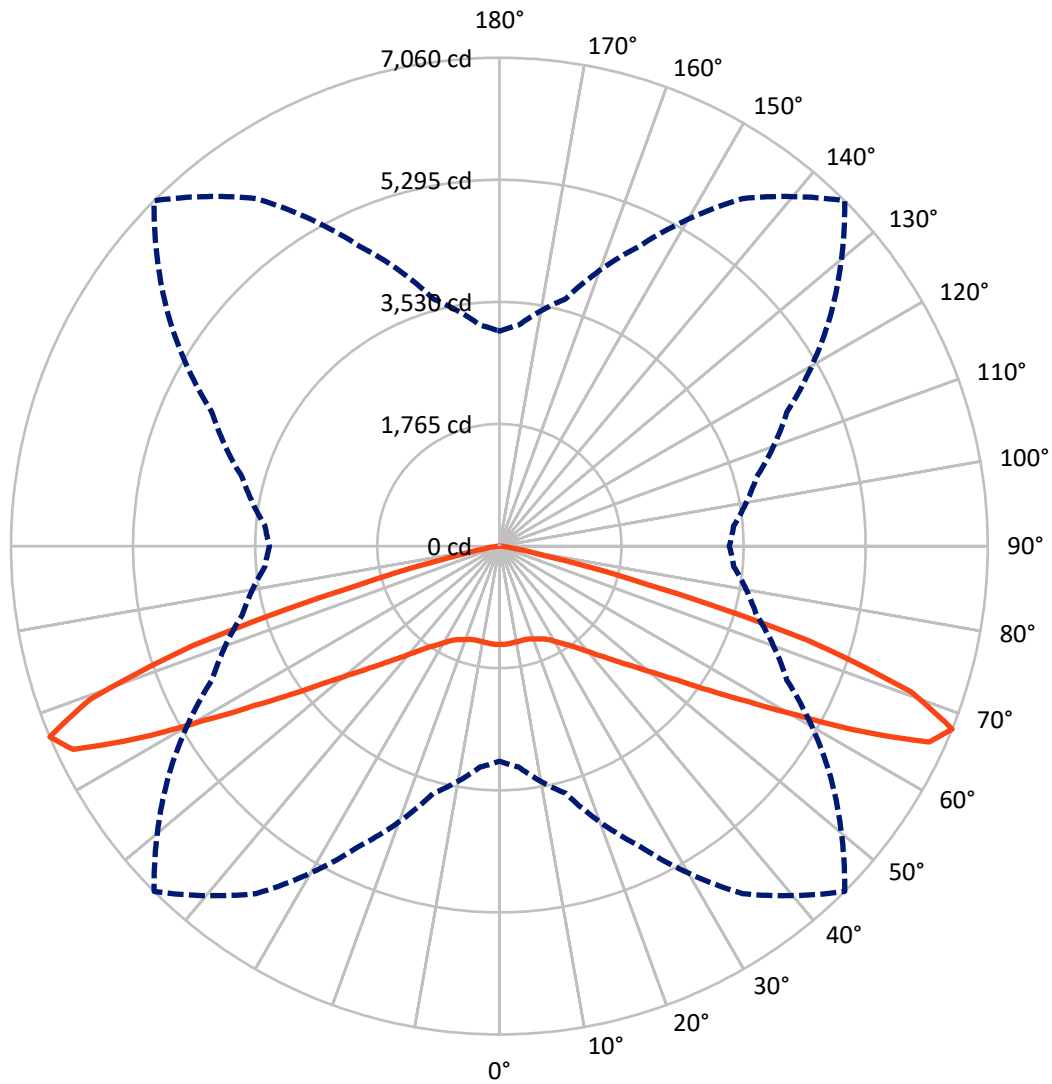
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6772.2	0.0	6772.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6772.2	0.0	6772.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13544.4	0.0	13544.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.3	1.0
10°-20°	394.3	2.9
20°-30°	680.1	5.0
30°-40°	1105.9	8.2
40°-50°	1862.1	13.7
50°-60°	3299.3	24.4
60°-70°	4716.1	34.8
70°-80°	1294.4	9.6
80°-90°	58.0	0.4
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°	13544.4	100.0
0°-180°	13544.4	100.0

**Coefficient of Utilization**



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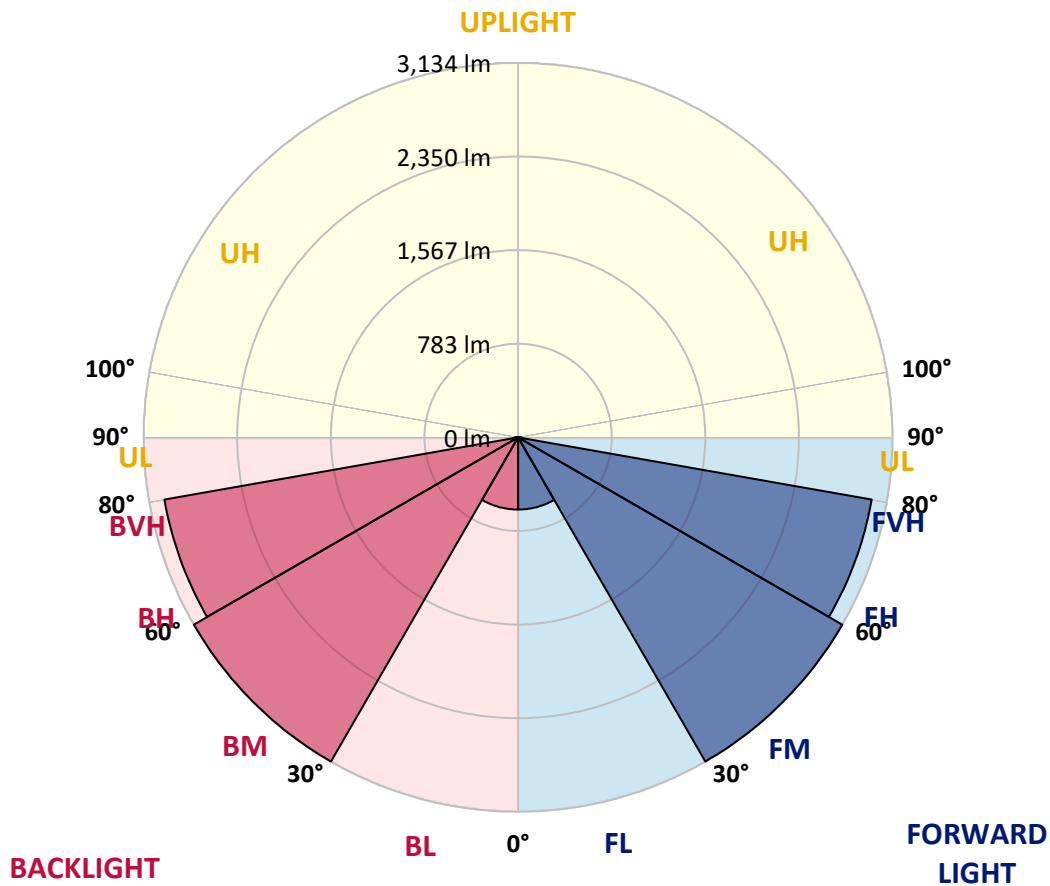
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.4	4.5			
FM (30°-60°)	3133.6	23.1			
FH (60°-80°)	3005.2	22.2			G2/5000
FVH (80°-90°)	29.0	0.2			G1/100
BL (0°-30°)	604.4	4.5	B2/1000		
BM (30°-60°)	3133.6	23.1	B3/5000		
BH (60°-80°)	3005.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	29.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1418.5	1418.5	1418.5	1418.5	1418.5	1418.5	1418.5	1418.5	1418.5	1418.5	1418.5
2.5°	1409.2	1408.2	1412.9	1415.7	1414.8	1421.3	1420.4	1418.5	1418.5	1415.7	1423.2
5°	1409.2	1408.2	1412.0	1412.9	1411.0	1416.7	1414.8	1412.9	1412.9	1409.2	1415.7
7.5°	1401.7	1402.6	1405.4	1407.3	1405.4	1410.1	1407.3	1403.5	1402.6	1398.8	1405.4
10°	1387.6	1388.5	1391.3	1396.0	1397.0	1405.4	1400.7	1394.2	1391.3	1387.6	1394.2
12.5°	1379.2	1380.1	1382.9	1388.5	1390.4	1401.7	1397.0	1386.7	1382.0	1378.2	1384.8
15°	1377.3	1378.2	1382.0	1387.6	1390.4	1401.7	1397.0	1384.8	1378.2	1373.5	1379.2
17.5°	1377.3	1379.2	1384.8	1393.2	1398.8	1410.1	1404.5	1390.4	1381.0	1372.6	1378.2
20°	1378.2	1381.0	1389.5	1401.7	1415.7	1431.7	1424.2	1405.4	1392.3	1382.0	1385.7
22.5°	1386.7	1391.3	1401.7	1417.6	1438.2	1457.0	1450.4	1425.1	1406.3	1392.3	1396.0
25°	1415.7	1417.6	1430.7	1451.4	1471.0	1487.0	1480.4	1457.0	1433.5	1416.7	1421.3
27.5°	1467.3	1472.0	1483.2	1504.8	1521.7	1530.1	1529.2	1513.2	1489.8	1474.8	1478.5
30°	1529.2	1533.9	1548.9	1573.2	1590.1	1599.5	1596.7	1584.5	1562.9	1542.3	1546.0
32.5°	1601.4	1603.2	1621.1	1648.2	1666.1	1680.1	1670.7	1657.6	1630.4	1606.1	1607.9
35°	1693.2	1696.1	1714.8	1740.1	1754.2	1765.4	1763.6	1750.4	1721.4	1695.1	1701.7
37.5°	1808.6	1810.4	1827.3	1859.2	1870.4	1878.9	1880.8	1874.2	1844.2	1810.4	1817.0
40°	1952.0	1952.9	1971.7	1999.8	2012.0	2017.6	2018.6	2019.5	1988.6	1963.3	1961.4
42.5°	2118.9	2123.6	2149.8	2177.0	2182.7	2179.8	2189.2	2198.6	2168.6	2133.9	2136.7
45°	2318.6	2321.4	2357.0	2387.0	2376.7	2367.4	2385.2	2403.9	2376.7	2331.7	2318.6
47.5°	2554.9	2560.5	2598.9	2628.9	2612.1	2595.2	2624.2	2643.9	2599.9	2552.1	2539.9
50°	2822.1	2825.8	2880.2	2917.7	2898.0	2867.1	2903.6	2924.3	2865.2	2806.1	2779.9
52.5°	3138.0	3130.5	3202.7	3268.4	3256.2	3215.9	3245.9	3249.6	3161.5	3078.0	3051.8
55°	3523.4	3515.9	3588.1	3660.3	3690.3	3679.9	3665.9	3643.4	3513.1	3424.0	3399.6
57.5°	3972.5	3949.0	4050.3	4147.8	4213.4	4232.2	4172.2	4119.7	4016.5	3906.8	3878.7
60°	4389.7	4388.7	4549.1	4717.8	4897.8	4972.8	4821.0	4678.5	4446.9	4247.2	4206.9
62.5°	4506.9	4526.6	4789.1	5207.2	5651.6	5917.0	5516.6	5045.0	4597.8	4296.9	4243.4
65°	4218.1	4266.9	4640.0	5300.1	6177.6	6826.4	5922.6	5053.5	4430.0	4055.0	3998.7
67.5°	3109.0	3206.5	3700.6	4782.5	6132.6	7059.9	5850.4	4585.6	3847.8	3401.5	3323.7
70°	1533.9	1626.7	2018.6	3146.5	5046.0	6310.8	5061.9	3455.9	2598.9	2169.5	2098.3
72.5°	564.4	601.9	755.7	1346.3	2784.6	4661.6	3461.5	1930.4	1259.2	1002.3	954.4
75°	276.6	283.1	306.6	451.9	1027.6	2193.9	1626.7	740.7	463.2	403.2	390.0
77.5°	176.3	179.1	190.3	215.6	330.0	691.0	493.2	292.5	226.9	217.5	217.5
80°	98.4	101.3	116.3	134.1	154.7	237.2	177.2	175.3	149.1	130.3	127.5
82.5°	46.9	51.6	74.1	73.1	81.6	119.1	104.1	94.7	95.6	72.2	68.4
85°	21.6	21.6	29.1	34.7	36.6	40.3	47.8	54.4	53.4	36.6	39.4
87.5°	10.3	10.3	10.3	9.4	8.4	7.5	10.3	16.9	24.4	16.9	15.9
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)