

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: P631858

Luminaire Tested: GWS-SA2B-750-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-750-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

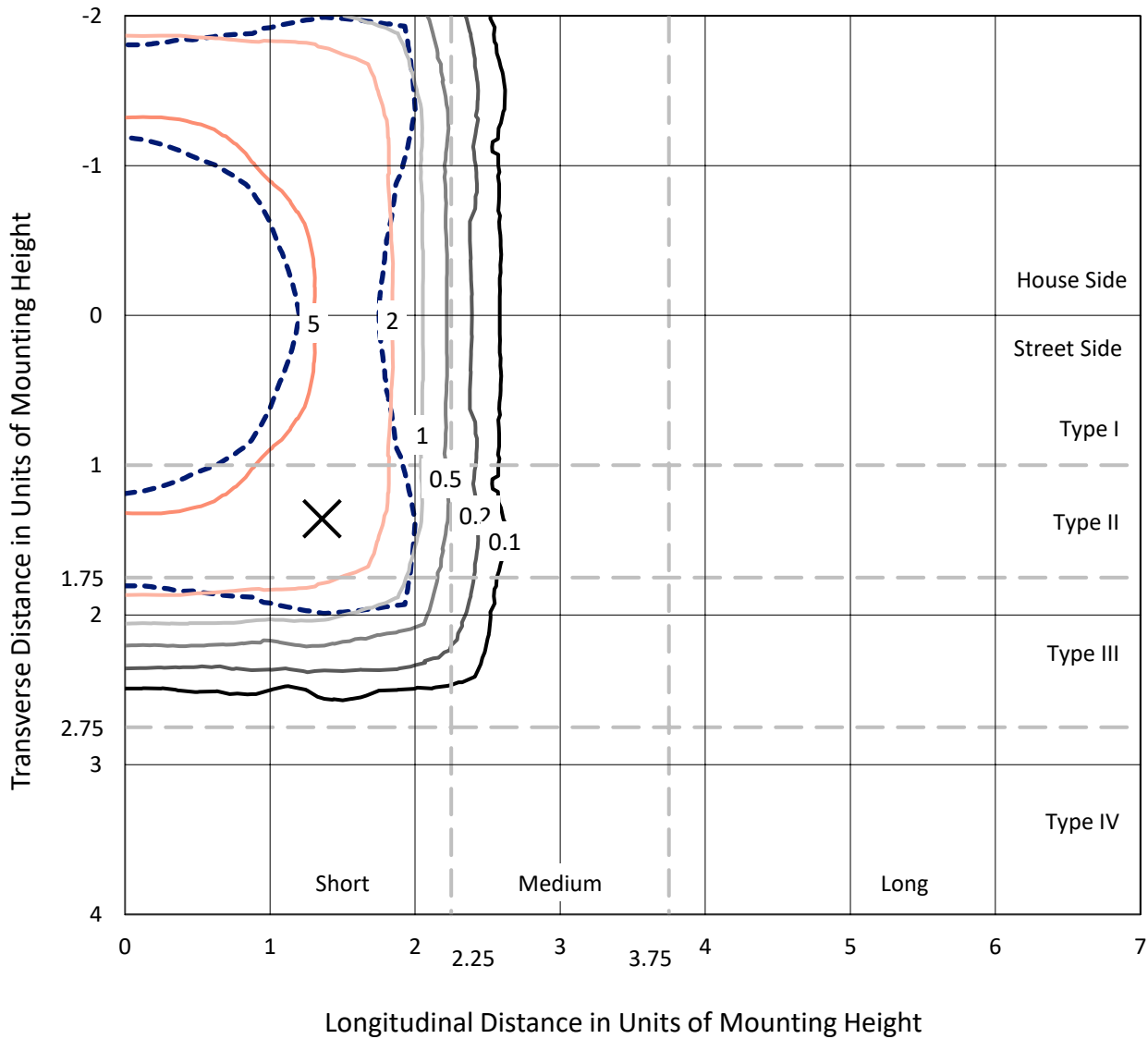
Lumens per Lamp: N/A  
Luminaire Lumens: 7378.4 lumens  
Efficiency: N/A  
Efficacy: 159.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

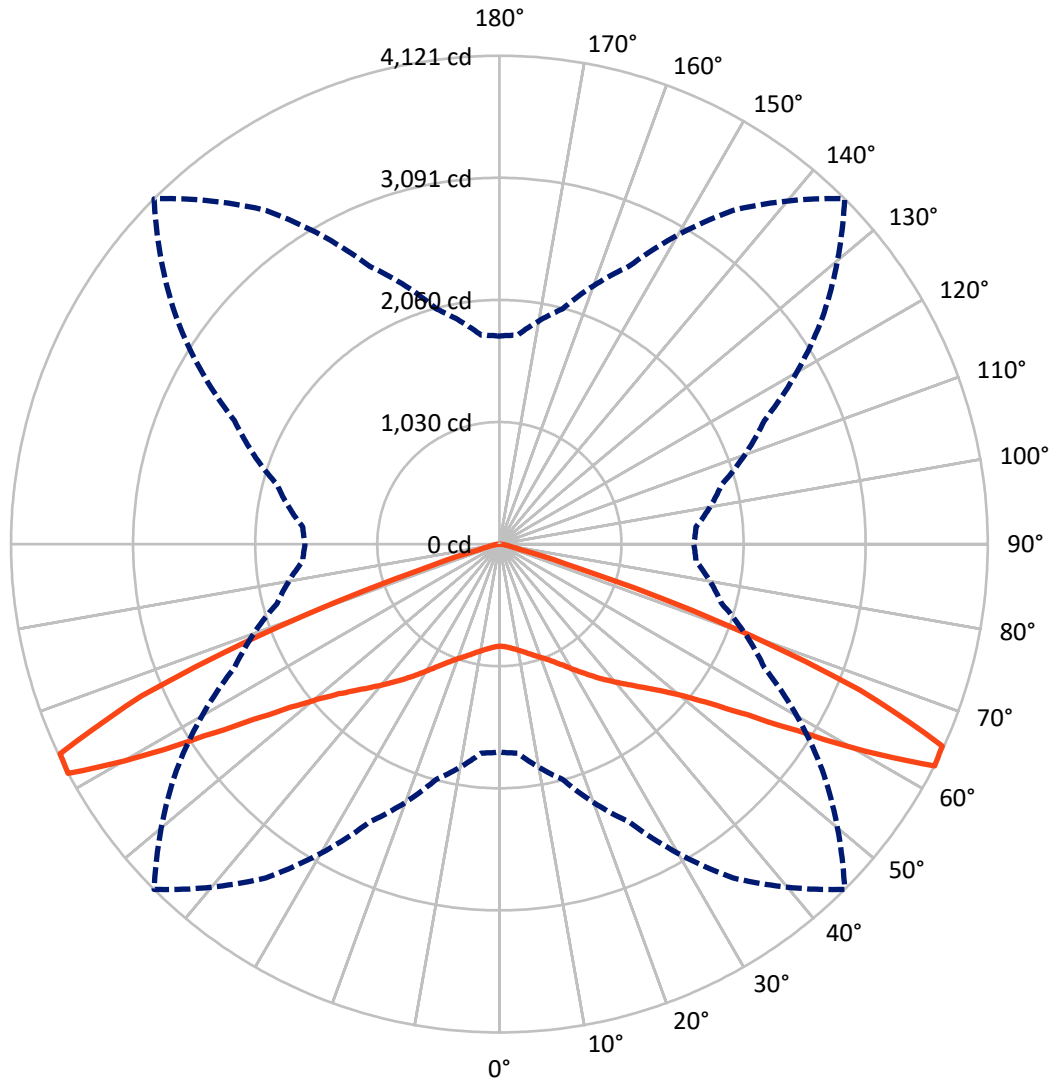
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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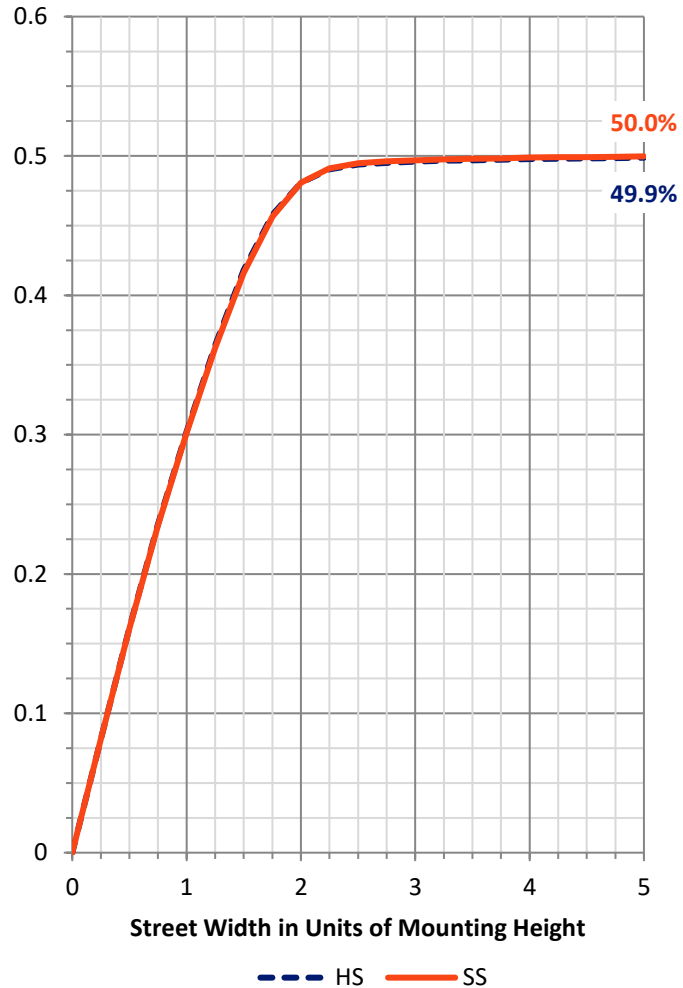
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3689.2	0.0	3689.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3689.2	0.0	3689.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7378.4	0.0	7378.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.5	1.1
10°-20°	272.4	3.7
20°-30°	515.3	7.0
30°-40°	867.3	11.8
40°-50°	1385.6	18.8
50°-60°	2233.6	30.3
60°-70°	1822.3	24.7
70°-80°	177.0	2.4
80°-90°	20.6	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°	7378.4	100.0
0°-180°	7378.4	100.0

**Coefficient of Utilization**



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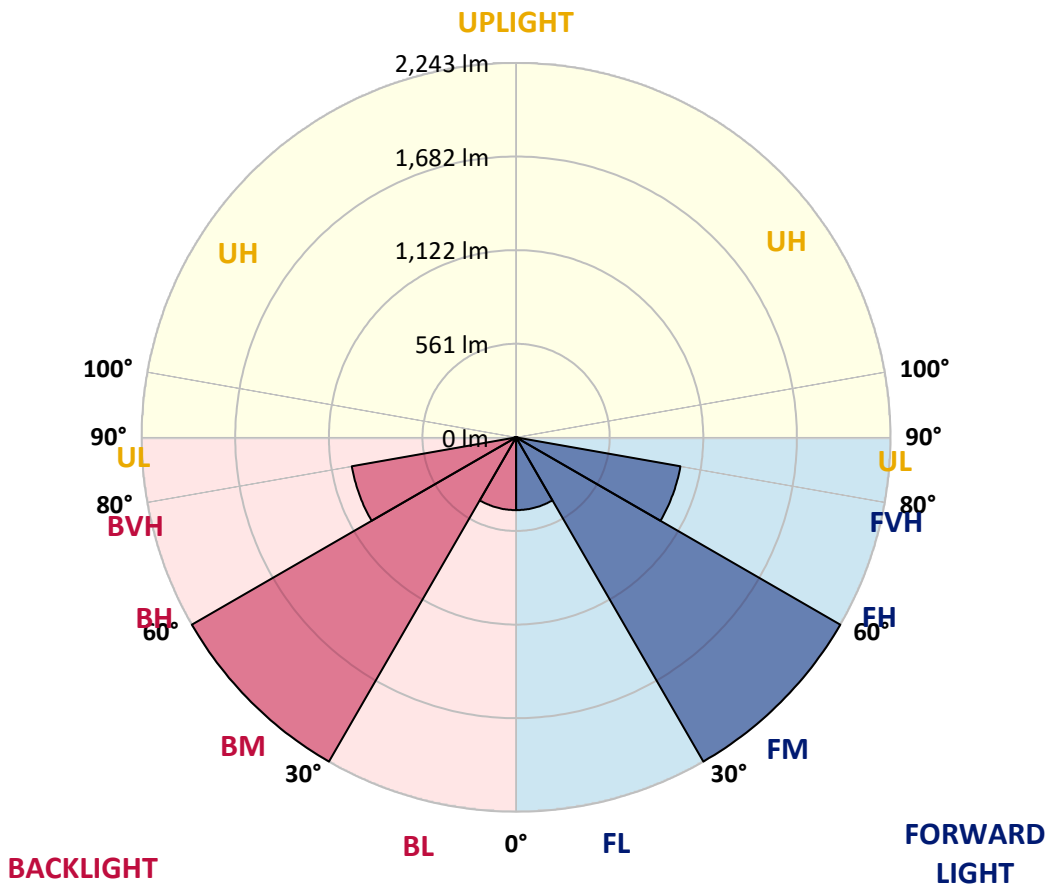
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.0	5.9			
FM (30°-60°)	2243.2	30.4			
FH (60°-80°)	999.6	13.5			G1/1800
FVH (80°-90°)	10.3	0.1			G1/100
BL (0°-30°)	436.0	5.9	B1/500		
BM (30°-60°)	2243.2	30.4	B2/2500		
BH (60°-80°)	999.6	13.5	B2/1000		G1/1800
BVH (80°-90°)	10.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8
2.5°	859.8	859.8	861.8	863.3	862.3	866.4	865.9	864.8	864.3	862.8	867.4
5°	871.4	871.4	872.9	874.5	871.9	877.0	875.0	873.9	873.4	871.4	875.5
7.5°	884.6	886.1	886.6	889.1	887.6	893.2	891.7	889.6	888.6	886.1	889.6
10°	899.2	900.3	900.8	905.3	905.8	912.4	910.9	908.4	906.3	903.8	908.9
12.5°	919.0	919.5	921.0	926.6	928.1	933.2	932.6	929.1	926.6	923.0	928.6
15°	944.3	944.8	947.3	952.9	955.4	961.5	959.5	953.9	950.4	946.3	950.9
17.5°	970.6	972.6	975.2	980.7	984.3	991.4	988.8	982.7	979.7	975.7	978.7
20°	1004.5	1005.0	1006.5	1012.6	1015.1	1023.2	1023.7	1017.7	1016.1	1012.1	1016.7
22.5°	1042.0	1042.5	1044.0	1050.6	1055.1	1060.2	1063.2	1059.7	1057.1	1052.1	1057.6
25°	1083.5	1088.5	1090.0	1098.1	1103.2	1106.2	1109.8	1108.2	1104.7	1098.6	1101.2
27.5°	1141.6	1142.7	1145.2	1154.3	1157.3	1160.4	1163.9	1164.4	1159.4	1152.3	1155.8
30°	1207.9	1207.4	1213.0	1220.1	1222.6	1225.1	1230.2	1233.2	1226.7	1219.1	1222.6
32.5°	1275.8	1281.8	1288.9	1295.5	1294.0	1295.0	1303.1	1308.6	1299.5	1285.9	1288.9
35°	1352.2	1356.2	1365.3	1374.9	1372.9	1371.4	1376.5	1382.0	1369.4	1351.7	1356.2
37.5°	1430.6	1436.7	1450.3	1462.0	1458.9	1451.9	1457.4	1463.5	1451.3	1431.1	1429.1
40°	1518.1	1527.8	1547.5	1557.1	1549.0	1535.4	1545.0	1559.6	1547.5	1524.2	1518.7
42.5°	1620.9	1632.5	1652.3	1666.9	1649.2	1626.9	1643.1	1664.4	1661.4	1630.5	1620.9
45°	1747.9	1755.5	1779.8	1786.9	1760.5	1729.7	1759.0	1791.4	1783.8	1750.4	1737.8
47.5°	1886.0	1897.7	1918.9	1932.1	1889.6	1851.1	1892.1	1935.6	1927.5	1896.2	1881.5
50°	2062.2	2077.3	2105.2	2116.3	2057.6	2013.6	2066.2	2121.4	2105.7	2063.7	2044.4
52.5°	2253.9	2266.1	2313.7	2335.9	2280.8	2233.2	2279.2	2333.4	2300.0	2244.3	2218.5
55°	2423.0	2435.1	2504.9	2578.8	2576.3	2543.4	2566.7	2567.7	2477.1	2385.0	2357.7
57.5°	2459.4	2471.5	2604.6	2797.9	2934.6	2972.5	2904.2	2760.5	2532.3	2370.8	2340.0
60°	2265.1	2278.7	2490.3	2843.5	3292.9	3546.4	3231.6	2756.5	2361.7	2143.1	2113.8
62.5°	1755.0	1769.7	2054.1	2584.4	3437.6	4120.8	3326.8	2466.5	1942.7	1665.9	1640.1
65°	838.0	838.0	1199.3	1853.7	3149.1	4107.1	3051.5	1824.8	1169.5	898.2	876.0
67.5°	207.5	208.5	308.7	721.6	2142.1	3277.7	2177.0	876.0	411.9	291.5	283.9
70°	129.5	129.0	143.2	195.3	749.5	1989.3	890.1	264.2	167.5	147.8	146.8
72.5°	100.7	100.7	107.8	125.0	196.3	677.6	259.6	146.8	121.5	109.3	109.3
75°	79.4	79.4	84.5	93.6	115.9	174.6	138.2	108.8	94.1	86.0	85.0
77.5°	59.2	60.2	64.3	70.3	78.9	98.2	87.5	82.0	73.4	67.3	65.3
80°	38.5	40.0	45.0	48.6	51.6	64.8	57.2	59.7	55.7	48.6	47.6
82.5°	20.7	21.3	27.3	28.3	29.4	35.4	36.4	38.0	39.5	30.9	28.8
85°	7.6	7.6	9.1	10.6	11.6	12.7	17.2	21.3	22.3	17.7	17.2
87.5°	1.5	1.5	1.5	1.0	1.0	1.0	3.0	5.6	9.1	7.1	7.1
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)