

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: P633998

Luminaire Tested: GWS-SA2F-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633998  
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-SA2F-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

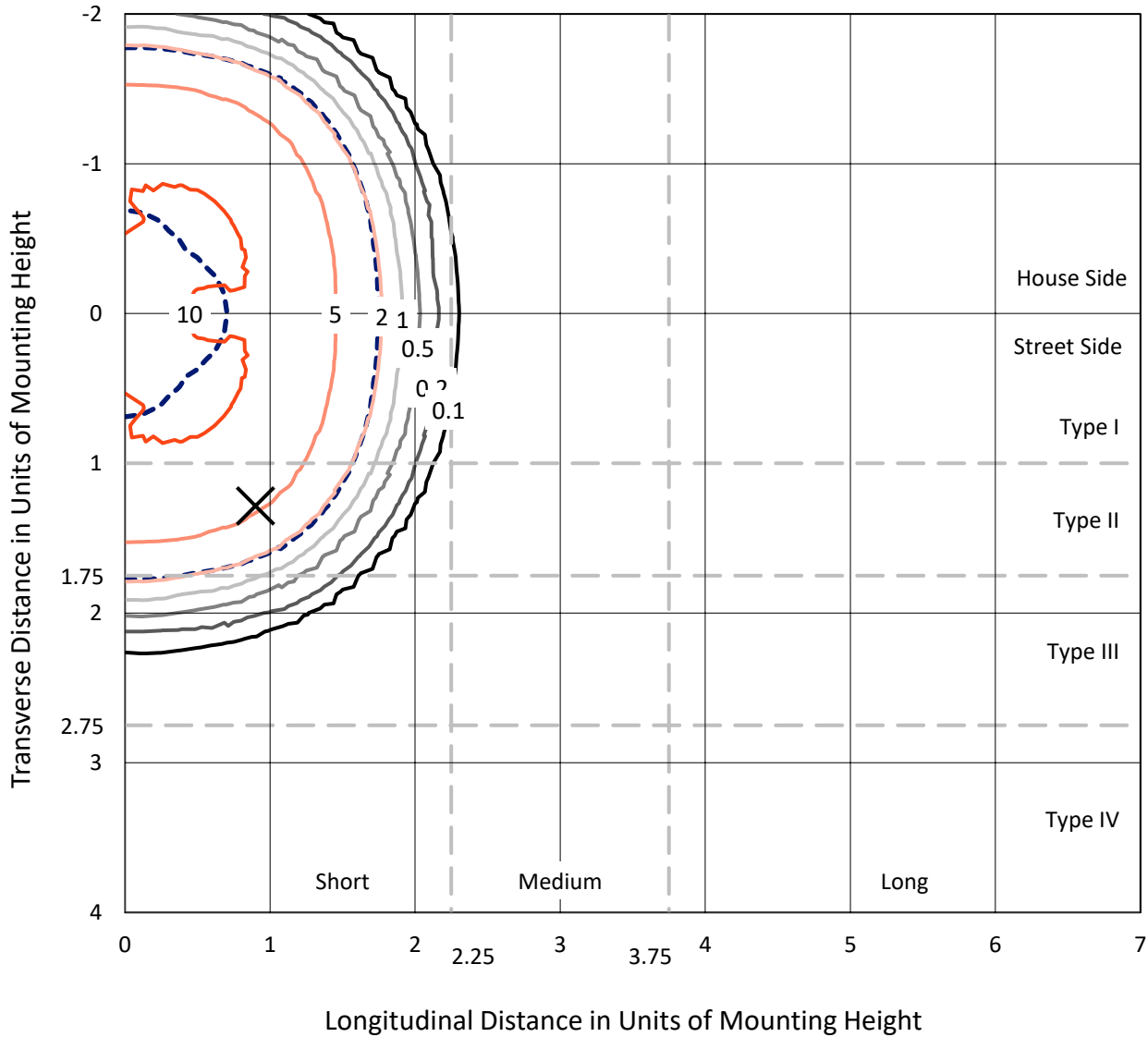
Lumens per Lamp: N/A  
Luminaire Lumens: 7873.8 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

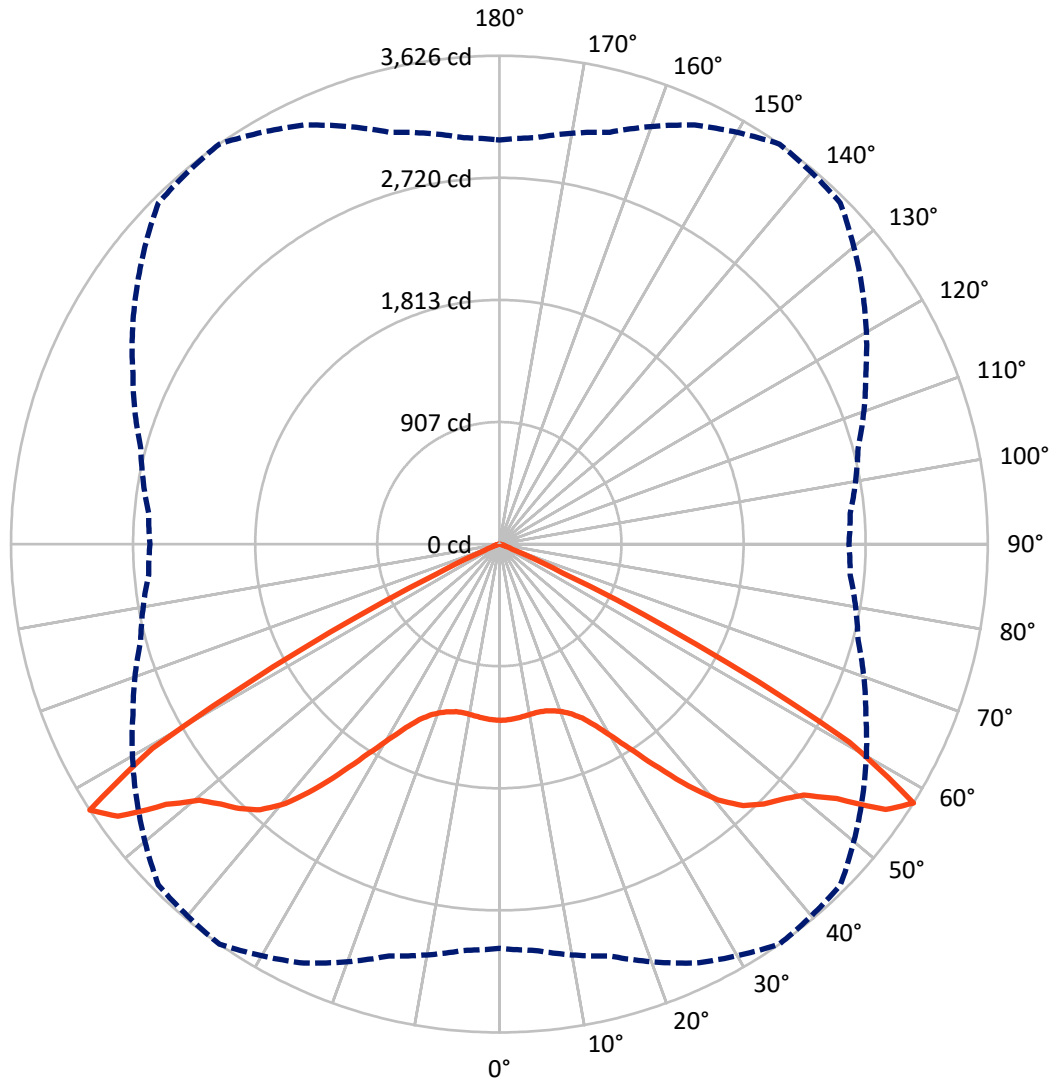
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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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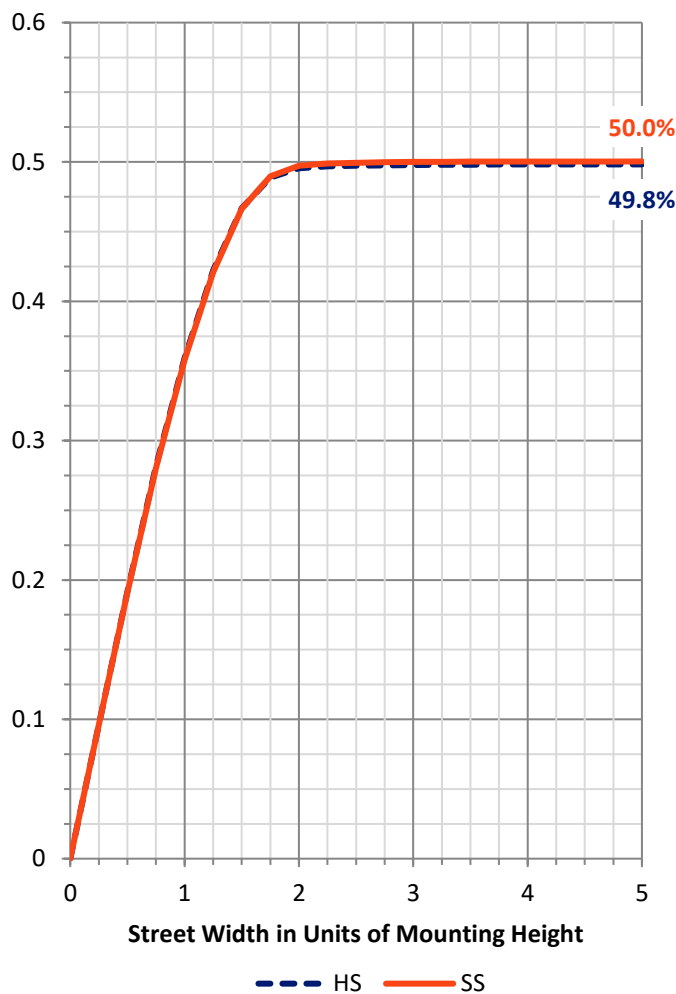
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3936.9	0.0	3936.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3936.9	0.0	3936.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7873.8	0.0	7873.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.3	1.6
10°-20°	362.8	4.6
20°-30°	655.8	8.3
30°-40°	1223.4	15.5
40°-50°	2052.3	26.1
50°-60°	2710.3	34.4
60°-70°	719.8	9.1
70°-80°	25.6	0.3
80°-90°	0.4	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°	7873.8	100.0
0°-180°	7873.8	100.0

**Coefficient of Utilization**



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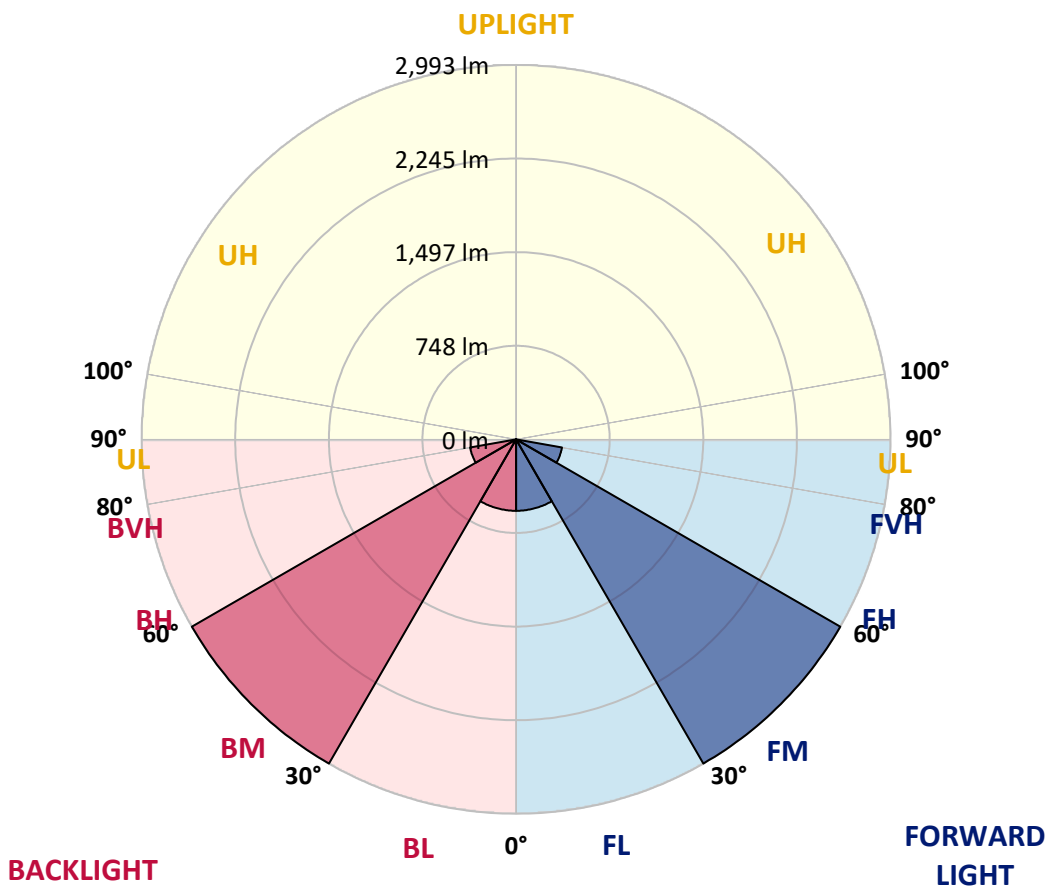
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.0	7.3			
FM (30°-60°)	2993.0	38.0			
FH (60°-80°)	372.7	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	571.0	7.3	B2/1000		
BM (30°-60°)	2993.0	38.0	B3/5000		
BH (60°-80°)	372.7	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°	1309.1	1309.1	1309.1	1309.1	1309.1	1309.1	1309.1	1309.1	1309.1	1309.1	1309.1
2.5°	1299.9	1298.9	1302.6	1305.4	1305.4	1311.9	1310.0	1308.2	1306.3	1303.5	1310.0
5°	1298.0	1297.1	1299.9	1301.7	1299.9	1305.4	1301.7	1298.0	1296.2	1292.5	1299.9
7.5°	1289.7	1290.6	1292.5	1294.3	1291.5	1296.2	1291.5	1286.0	1281.4	1277.7	1284.1
10°	1276.8	1277.7	1279.5	1283.2	1284.1	1290.6	1284.1	1274.0	1267.5	1262.0	1268.4
12.5°	1270.3	1271.2	1274.0	1278.6	1279.5	1287.8	1279.5	1264.7	1255.5	1249.0	1255.5
15°	1272.1	1274.0	1277.7	1283.2	1285.1	1293.4	1282.3	1262.9	1250.0	1241.6	1247.2
17.5°	1278.6	1280.5	1286.0	1295.2	1301.7	1310.0	1296.2	1271.2	1253.7	1241.6	1247.2
20°	1286.9	1289.7	1298.9	1313.7	1327.6	1342.3	1324.8	1290.6	1267.5	1252.7	1257.4
22.5°	1310.0	1312.8	1325.7	1345.1	1368.2	1386.7	1365.4	1322.0	1290.6	1271.2	1275.8
25°	1357.1	1359.9	1376.5	1401.5	1431.0	1455.1	1428.3	1373.8	1333.1	1310.9	1312.8
27.5°	1431.0	1433.8	1453.2	1488.3	1528.0	1562.2	1523.4	1459.7	1413.5	1387.6	1387.6
30°	1524.3	1528.0	1553.9	1601.0	1662.9	1708.2	1655.5	1577.9	1518.8	1483.7	1484.6
32.5°	1644.4	1640.8	1677.7	1742.4	1830.1	1890.2	1812.6	1718.4	1645.4	1596.4	1601.0
35°	1798.7	1797.8	1839.4	1927.1	2041.7	2113.8	2021.4	1899.4	1811.7	1761.8	1762.7
37.5°	1997.4	1996.4	2044.5	2139.6	2277.3	2337.3	2233.9	2110.1	2015.8	1967.8	1973.3
40°	2230.2	2224.6	2267.1	2358.6	2496.2	2535.0	2422.3	2322.5	2232.0	2201.5	2216.3
42.5°	2451.9	2439.9	2464.8	2548.0	2654.2	2659.8	2574.8	2506.4	2444.5	2420.5	2429.7
45°	2630.2	2621.0	2644.0	2692.1	2753.1	2725.3	2684.7	2663.4	2613.6	2587.7	2596.0
47.5°	2763.2	2763.2	2790.9	2820.5	2829.7	2778.9	2785.4	2785.4	2735.5	2694.9	2684.7
50°	2877.8	2886.1	2927.7	2958.2	2927.7	2863.0	2900.0	2892.6	2790.9	2709.6	2688.4
52.5°	3060.7	3069.0	3132.8	3174.3	3140.2	3076.4	3081.0	2988.6	2839.0	2742.9	2709.6
55°	3254.7	3275.0	3367.4	3478.3	3479.2	3413.6	3291.7	3128.1	2946.1	2841.8	2807.6
57.5°	3000.7	3028.4	3166.0	3433.0	3626.1	3580.8	3289.8	3002.5	2756.8	2614.5	2595.1
60°	2064.8	2112.8	2250.5	2615.4	2987.7	3005.3	2661.6	2339.2	2057.4	1881.9	1885.6
62.5°	872.1	921.1	998.7	1298.9	1640.8	1662.0	1495.7	1264.7	1034.7	908.1	927.5
65°	205.1	219.0	242.0	359.4	521.0	545.1	502.6	391.7	289.2	244.8	249.4
67.5°	89.6	91.5	86.8	92.4	114.6	117.3	113.6	99.8	94.2	96.1	96.1
70°	62.8	63.7	60.1	57.3	54.5	50.8	52.7	58.2	62.8	66.5	65.6
72.5°	38.8	39.7	40.6	40.6	37.9	34.2	36.0	39.7	40.6	41.6	40.6
75°	19.4	20.3	22.2	23.1	22.2	21.2	21.2	22.2	22.2	21.2	21.2
77.5°	3.7	4.6	6.5	7.4	7.4	7.4	7.4	7.4	8.3	7.4	7.4
80°	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
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)