

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: P631360

Luminaire Tested: GWS-SA1F-750-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631360  
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-SA1F-750-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

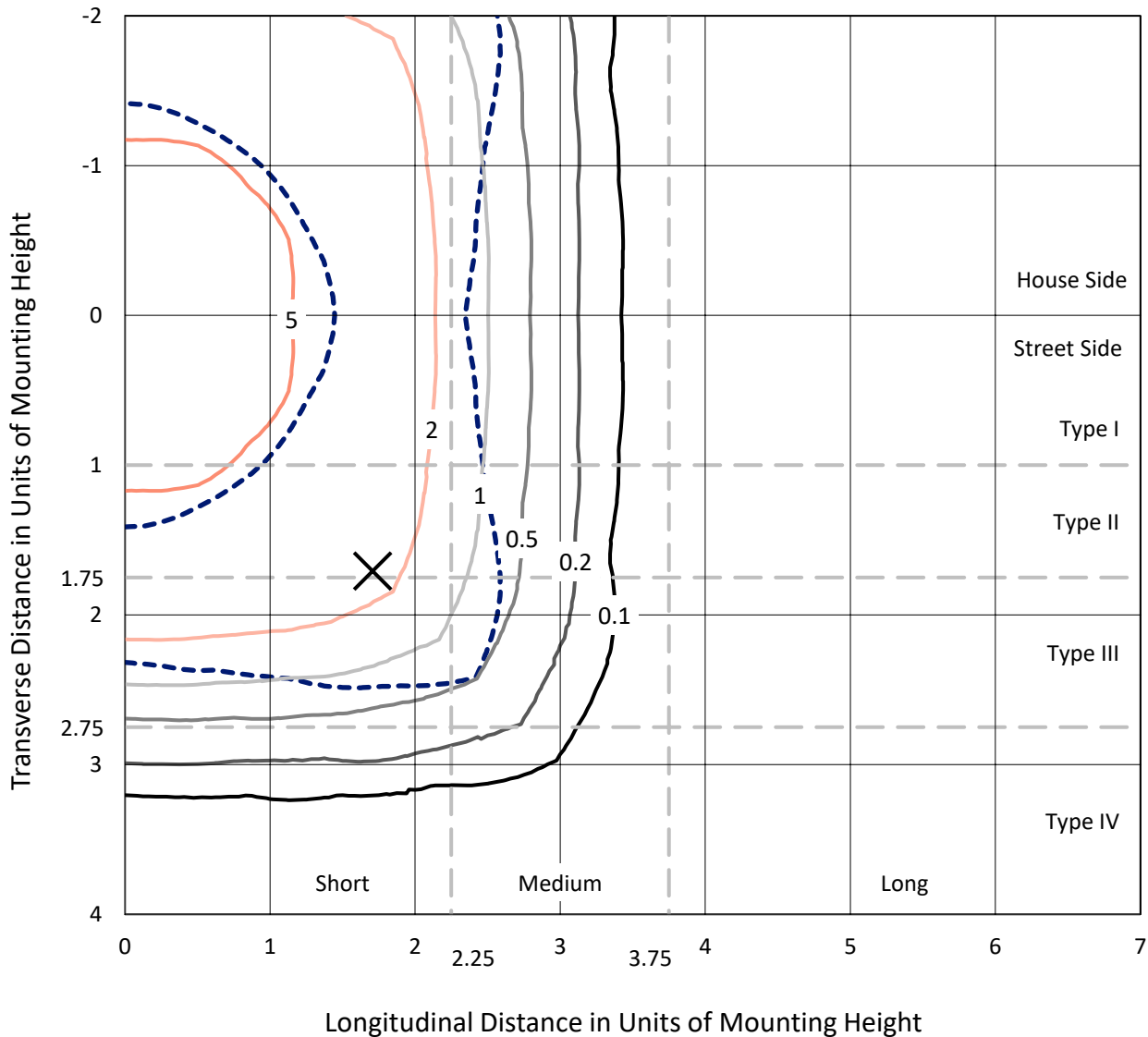
Lumens per Lamp: N/A  
Luminaire Lumens: 8924.7 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

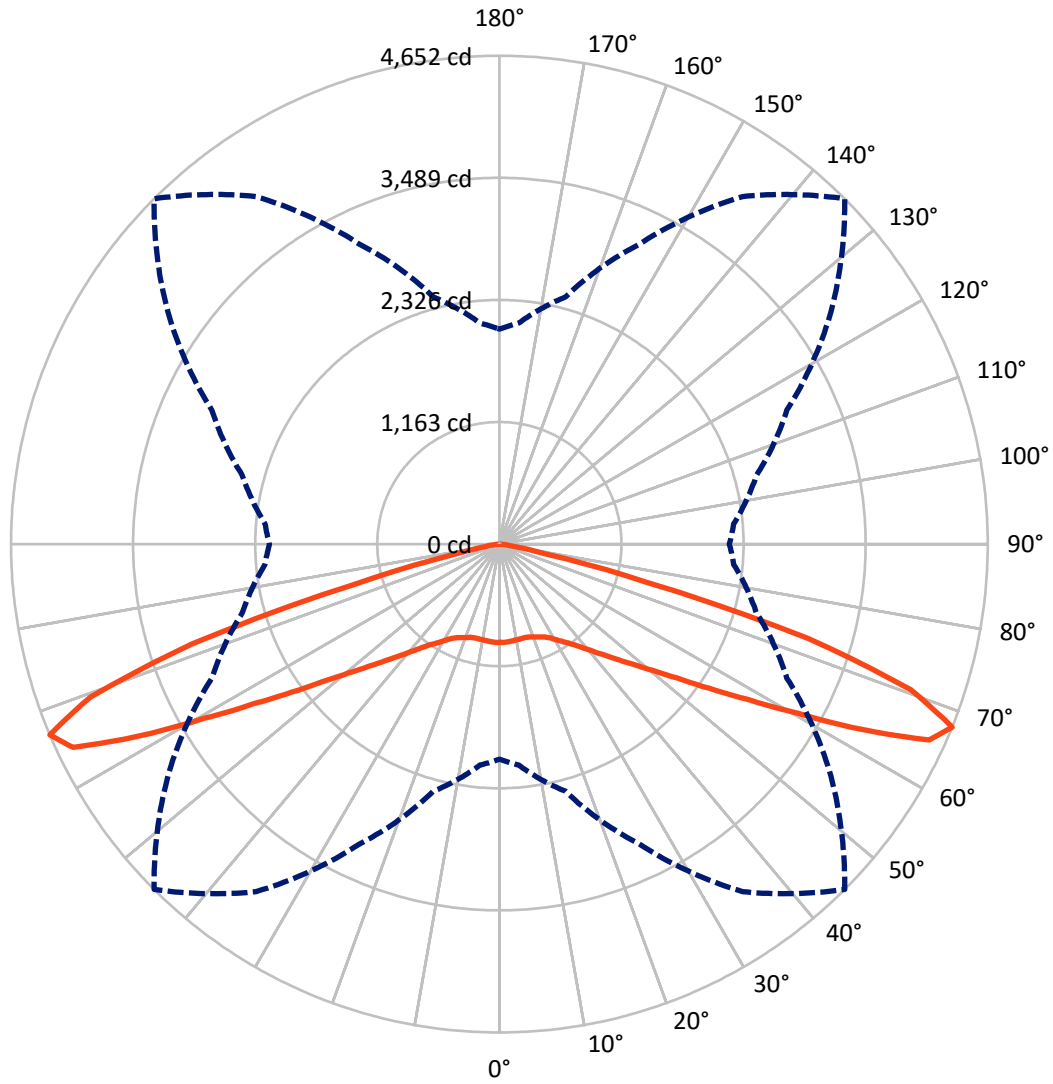
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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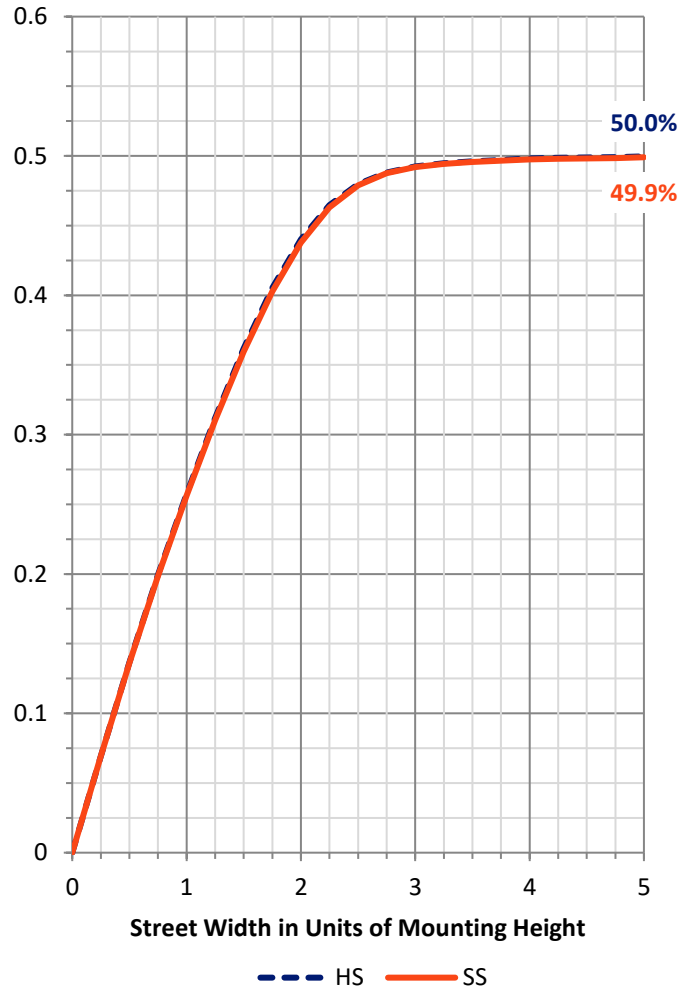
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4462.3	0.0	4462.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4462.3	0.0	4462.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8924.7	0.0	8924.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.5	1.0
10°-20°	259.8	2.9
20°-30°	448.1	5.0
30°-40°	728.7	8.2
40°-50°	1227.0	13.7
50°-60°	2174.0	24.4
60°-70°	3107.5	34.8
70°-80°	852.9	9.6
80°-90°	38.2	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°	8924.7	100.0
0°-180°	8924.7	100.0

**Coefficient of Utilization**



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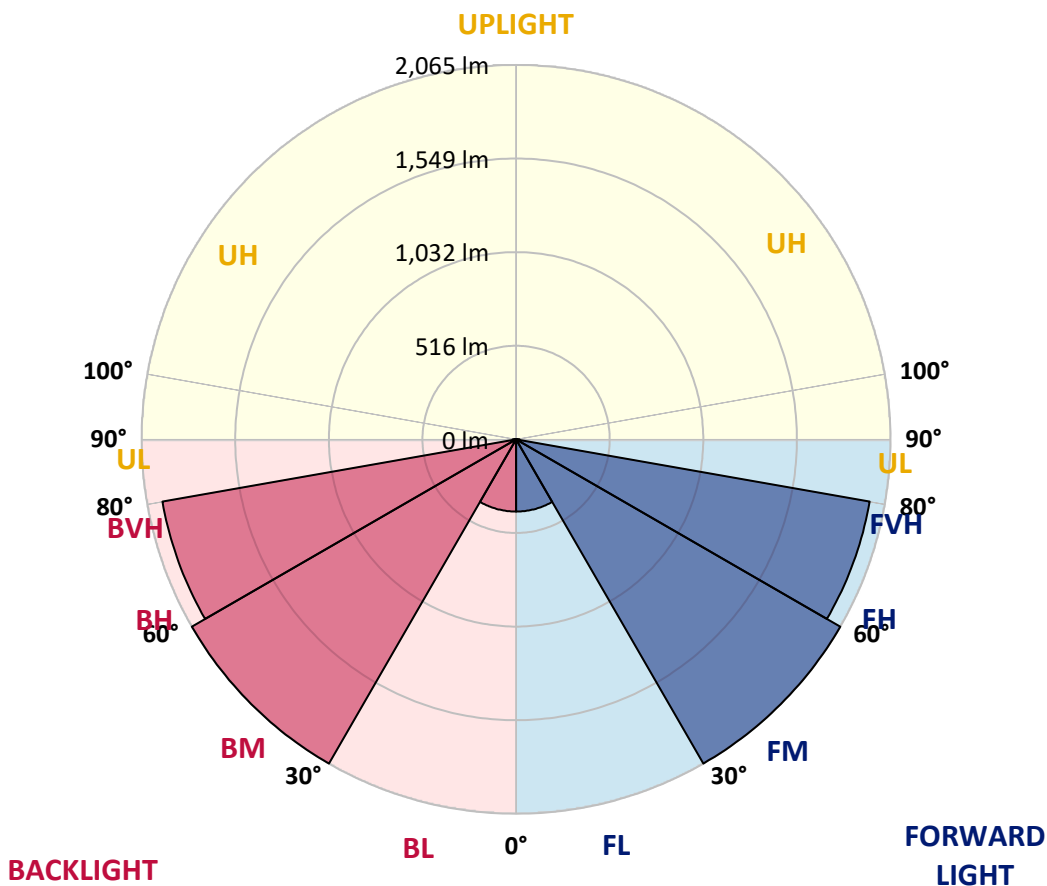
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.2	4.5			
FM (30°-60°)	2064.8	23.1			
FH (60°-80°)	1980.2	22.2			G2/5000
FVH (80°-90°)	19.1	0.2			G1/100
BL (0°-30°)	398.2	4.5	B1/500		
BM (30°-60°)	2064.8	23.1	B2/2500		
BH (60°-80°)	1980.2	22.2	B3/2500		G2/5000
BVH (80°-90°)	19.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	928.5	927.9	931.0	932.9	932.2	936.6	935.9	934.7	934.7	932.9	937.8
5°	928.5	927.9	930.4	931.0	929.8	933.5	932.2	931.0	931.0	928.5	932.9
7.5°	923.6	924.2	926.1	927.3	926.1	929.1	927.3	924.8	924.2	921.7	926.1
10°	914.3	914.9	916.8	919.9	920.5	926.1	923.0	918.6	916.8	914.3	918.6
12.5°	908.8	909.4	911.2	914.9	916.2	923.6	920.5	913.7	910.6	908.1	912.5
15°	907.5	908.1	910.6	914.3	916.2	923.6	920.5	912.5	908.1	905.1	908.8
17.5°	907.5	908.8	912.5	918.0	921.7	929.1	925.4	916.2	910.0	904.4	908.1
20°	908.1	910.0	915.6	923.6	932.9	943.4	938.4	926.1	917.4	910.6	913.1
22.5°	913.7	916.8	923.6	934.1	947.7	960.0	955.7	939.0	926.7	917.4	919.9
25°	932.9	934.1	942.7	956.3	969.3	979.8	975.5	960.0	944.6	933.5	936.6
27.5°	966.8	969.9	977.3	991.5	1002.7	1008.2	1007.6	997.1	981.7	971.8	974.2
30°	1007.6	1010.7	1020.6	1036.6	1047.8	1053.9	1052.1	1044.1	1029.8	1016.3	1018.7
32.5°	1055.2	1056.4	1068.1	1086.1	1097.8	1107.1	1100.9	1092.2	1074.3	1058.3	1059.5
35°	1115.7	1117.6	1129.9	1146.6	1155.9	1163.3	1162.0	1153.4	1134.2	1117.0	1121.3
37.5°	1191.7	1192.9	1204.1	1225.1	1232.5	1238.0	1239.3	1234.9	1215.2	1192.9	1197.3
40°	1286.2	1286.8	1299.2	1317.7	1325.8	1329.5	1330.1	1330.7	1310.3	1293.6	1292.4
42.5°	1396.2	1399.3	1416.6	1434.5	1438.2	1436.3	1442.5	1448.7	1428.9	1406.1	1407.9
45°	1527.8	1529.6	1553.1	1572.9	1566.1	1559.9	1571.6	1584.0	1566.1	1536.4	1527.8
47.5°	1683.5	1687.2	1712.5	1732.3	1721.1	1710.0	1729.2	1742.1	1713.1	1681.6	1673.6
50°	1859.5	1862.0	1897.8	1922.5	1909.6	1889.2	1913.3	1926.9	1887.9	1849.0	1831.7
52.5°	2067.7	2062.8	2110.3	2153.6	2145.6	2119.0	2138.8	2141.2	2083.2	2028.2	2010.9
55°	2321.6	2316.7	2364.3	2411.8	2431.6	2424.8	2415.5	2400.7	2314.8	2256.1	2240.1
57.5°	2617.5	2602.1	2668.8	2733.1	2776.3	2788.7	2749.1	2714.5	2646.6	2574.3	2555.8
60°	2892.5	2891.8	2997.5	3108.7	3227.3	3276.7	3176.6	3082.7	2930.1	2798.6	2772.0
62.5°	2969.7	2982.7	3155.6	3431.2	3724.0	3898.8	3635.0	3324.3	3029.6	2831.3	2796.1
65°	2779.4	2811.5	3057.4	3492.3	4070.6	4498.1	3902.5	3329.8	2919.0	2671.9	2634.8
67.5°	2048.6	2112.8	2438.4	3151.3	4040.9	4651.9	3855.0	3021.6	2535.4	2241.3	2190.0
70°	1010.7	1071.9	1330.1	2073.3	3324.9	4158.3	3335.4	2277.1	1712.5	1429.5	1382.6
72.5°	371.9	396.6	497.9	887.1	1834.8	3071.6	2280.9	1272.0	829.7	660.4	628.9
75°	182.2	186.6	202.0	297.8	677.1	1445.6	1071.9	488.0	305.2	265.6	257.0
77.5°	116.1	118.0	125.4	142.1	217.5	455.3	325.0	192.7	149.5	143.3	143.3
80°	64.9	66.7	76.6	88.3	101.9	156.3	116.8	115.5	98.2	85.9	84.0
82.5°	30.9	34.0	48.8	48.2	53.7	78.5	68.6	62.4	63.0	47.6	45.1
85°	14.2	14.2	19.2	22.9	24.1	26.6	31.5	35.8	35.2	24.1	25.9
87.5°	6.8	6.8	6.8	6.2	5.6	4.9	6.8	11.1	16.1	11.1	10.5
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)