

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: P631415

Luminaire Tested: GWS-SA1F-760-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631415  
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-760-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

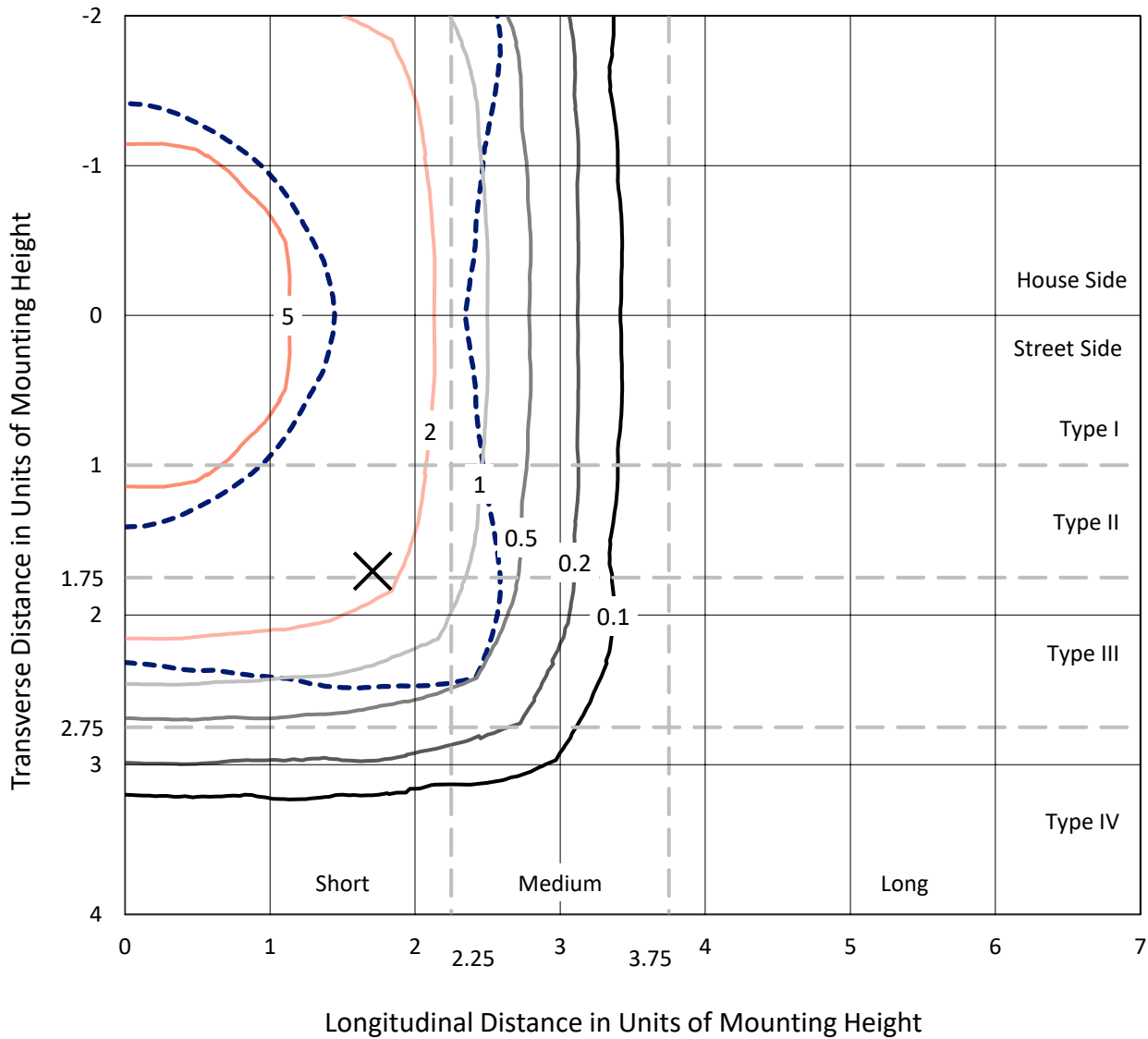
Lumens per Lamp: N/A  
Luminaire Lumens: 8802.4 lumens  
Efficiency: N/A  
Efficacy: 131.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

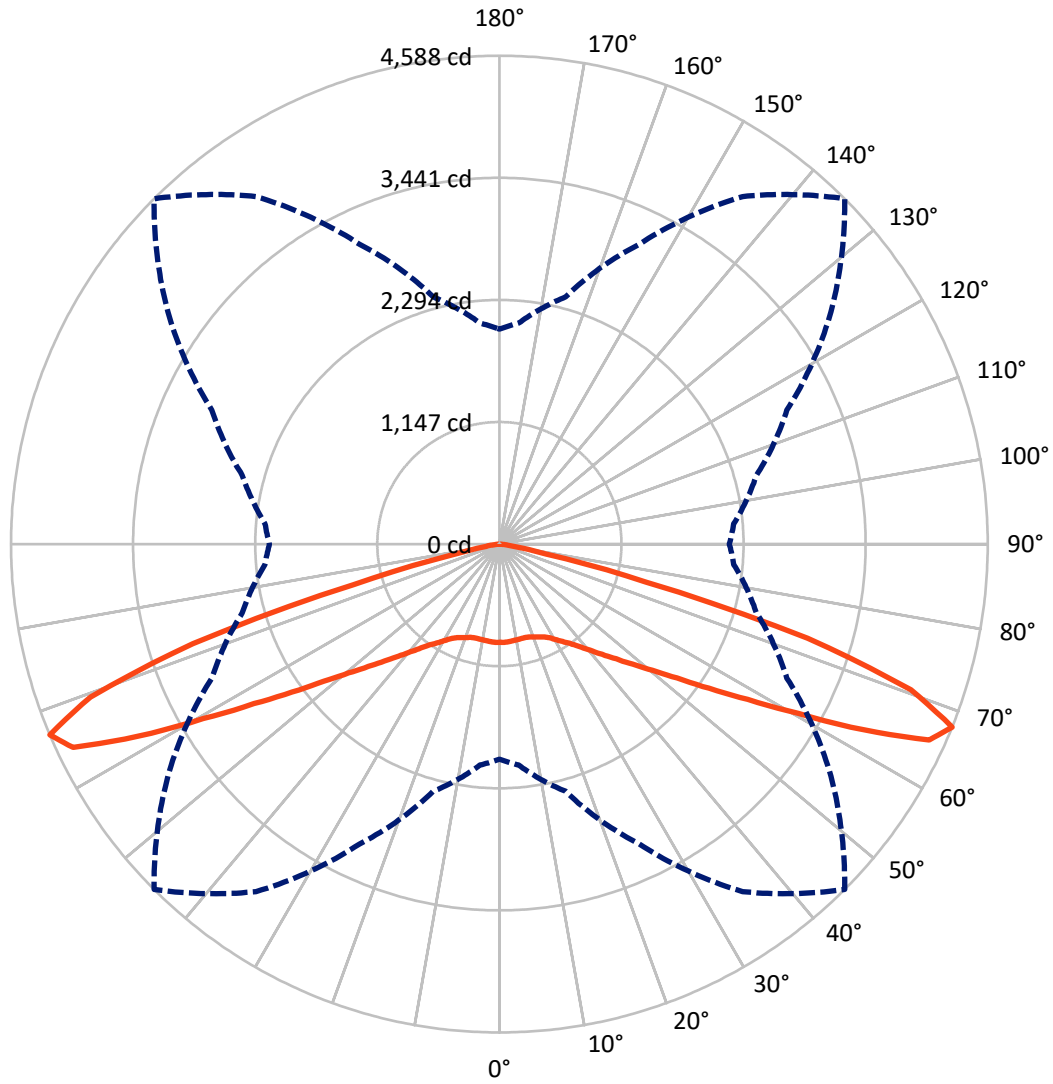
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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	4401.2	0.0	4401.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4401.2	0.0	4401.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8802.4	0.0	8802.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	1.0
10°-20°	256.3	2.9
20°-30°	442.0	5.0
30°-40°	718.7	8.2
40°-50°	1210.2	13.7
50°-60°	2144.2	24.4
60°-70°	3064.9	34.8
70°-80°	841.2	9.6
80°-90°	37.7	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°	8802.4	100.0
0°-180°	8802.4	100.0

**Coefficient of Utilization**



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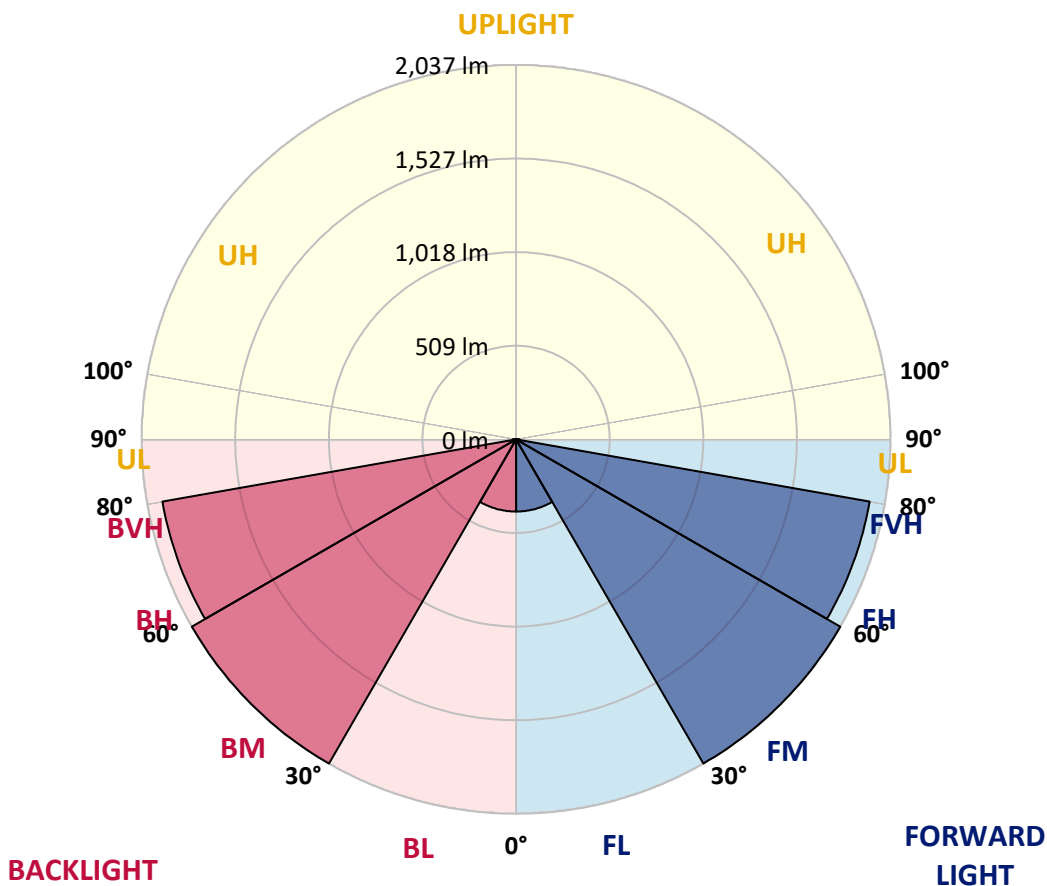
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.8	4.5			
FM (30°-60°)	2036.5	23.1			
FH (60°-80°)	1953.1	22.2			G2/5000
FVH (80°-90°)	18.8	0.2			G1/100
BL (0°-30°)	392.8	4.5	B1/500		
BM (30°-60°)	2036.5	23.1	B2/2500		
BH (60°-80°)	1953.1	22.2	B3/2500		G2/5000
BVH (80°-90°)	18.8	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°	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9	921.9
2.5°	915.8	915.2	918.2	920.1	919.5	923.7	923.1	921.9	921.9	920.1	924.9
5°	915.8	915.2	917.6	918.2	917.0	920.7	919.5	918.2	918.2	915.8	920.1
7.5°	910.9	911.5	913.4	914.6	913.4	916.4	914.6	912.1	911.5	909.1	913.4
10°	901.8	902.4	904.2	907.3	907.9	913.4	910.3	906.1	904.2	901.8	906.1
12.5°	896.3	896.9	898.7	902.4	903.6	910.9	907.9	901.2	898.1	895.7	900.0
15°	895.1	895.7	898.1	901.8	903.6	910.9	907.9	900.0	895.7	892.6	896.3
17.5°	895.1	896.3	900.0	905.4	909.1	916.4	912.8	903.6	897.5	892.0	895.7
20°	895.7	897.5	903.0	910.9	920.1	930.4	925.6	913.4	904.8	898.1	900.6
22.5°	901.2	904.2	910.9	921.3	934.7	946.9	942.6	926.2	914.0	904.8	907.3
25°	920.1	921.3	929.8	943.2	956.0	966.4	962.1	946.9	931.6	920.7	923.7
27.5°	953.6	956.6	963.9	978.0	988.9	994.4	993.8	983.4	968.2	958.5	960.9
30°	993.8	996.8	1006.6	1022.4	1033.4	1039.5	1037.7	1029.7	1015.7	1002.3	1004.8
32.5°	1040.7	1041.9	1053.5	1071.2	1082.8	1091.9	1085.8	1077.3	1059.6	1043.8	1045.0
35°	1100.4	1102.3	1114.4	1130.9	1140.0	1147.3	1146.1	1137.6	1118.7	1101.6	1105.9
37.5°	1175.4	1176.6	1187.6	1208.3	1215.6	1221.1	1222.3	1218.0	1198.5	1176.6	1180.9
40°	1268.6	1269.2	1281.4	1299.7	1307.6	1311.2	1311.9	1312.5	1292.4	1275.9	1274.7
42.5°	1377.1	1380.1	1397.2	1414.8	1418.5	1416.7	1422.8	1428.8	1409.3	1386.8	1388.6
45°	1506.8	1508.7	1531.8	1551.3	1544.6	1538.5	1550.1	1562.3	1544.6	1515.4	1506.8
47.5°	1660.4	1664.0	1689.0	1708.5	1697.6	1686.6	1705.5	1718.3	1689.6	1658.6	1650.6
50°	1834.0	1836.5	1871.8	1896.2	1883.4	1863.3	1887.1	1900.5	1862.1	1823.7	1806.6
52.5°	2039.4	2034.5	2081.4	2124.1	2116.2	2090.0	2109.5	2111.9	2054.6	2000.4	1983.3
55°	2289.8	2284.9	2331.9	2378.8	2398.3	2391.6	2382.4	2367.8	2283.1	2225.2	2209.4
57.5°	2581.7	2566.4	2632.2	2695.6	2738.3	2750.5	2711.5	2677.3	2610.3	2539.0	2520.7
60°	2852.8	2852.2	2956.4	3066.1	3183.1	3231.8	3133.1	3040.5	2890.0	2760.2	2734.0
62.5°	2929.0	2941.8	3112.4	3384.1	3673.0	3845.4	3585.2	3278.7	2988.1	2792.5	2757.8
65°	2741.3	2773.0	3015.5	3444.5	4014.8	4436.4	3849.1	3284.2	2879.0	2635.3	2598.7
67.5°	2020.5	2083.9	2405.0	3108.1	3985.5	4588.2	3802.1	2980.2	2500.6	2210.6	2160.0
70°	996.8	1057.2	1311.9	2044.9	3279.3	4101.3	3289.7	2245.9	1689.0	1410.0	1363.7
72.5°	366.8	391.2	491.1	875.0	1809.7	3029.5	2249.6	1254.6	818.3	651.4	620.3
75°	179.7	184.0	199.2	293.7	667.8	1425.8	1057.2	481.4	301.0	262.0	253.5
77.5°	114.6	116.4	123.7	140.1	214.5	449.1	320.5	190.1	147.5	141.4	141.4
80°	64.0	65.8	75.6	87.1	100.5	154.2	115.2	113.9	96.9	84.7	82.9
82.5°	30.5	33.5	48.1	47.5	53.0	77.4	67.6	61.5	62.2	46.9	44.5
85°	14.0	14.0	18.9	22.5	23.8	26.2	31.1	35.3	34.7	23.8	25.6
87.5°	6.7	6.7	6.7	6.1	5.5	4.9	6.7	11.0	15.8	11.0	10.4
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)