

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: P631366

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631366  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-750-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

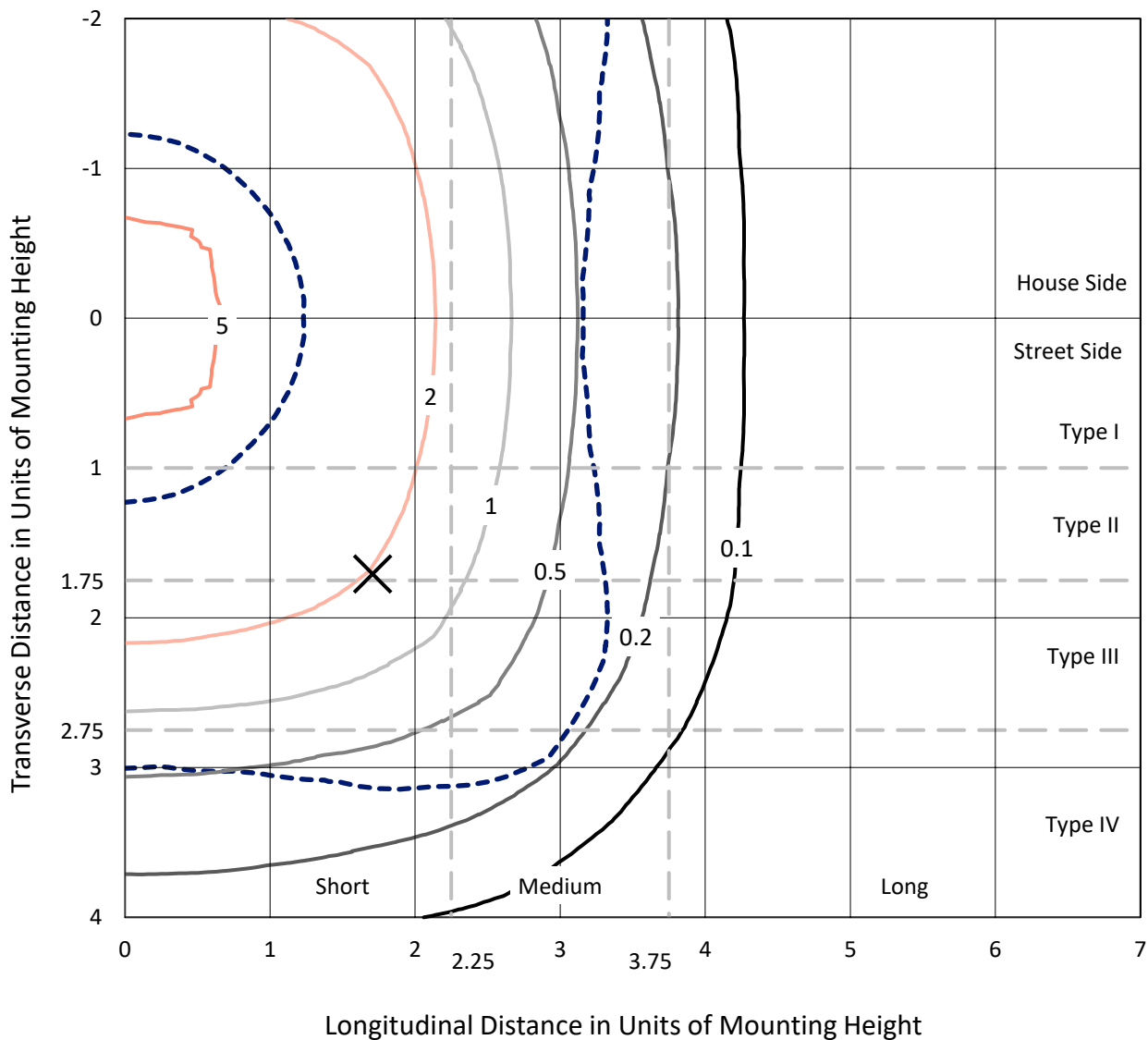
Lumens per Lamp: N/A  
Luminaire Lumens: 8736.9 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

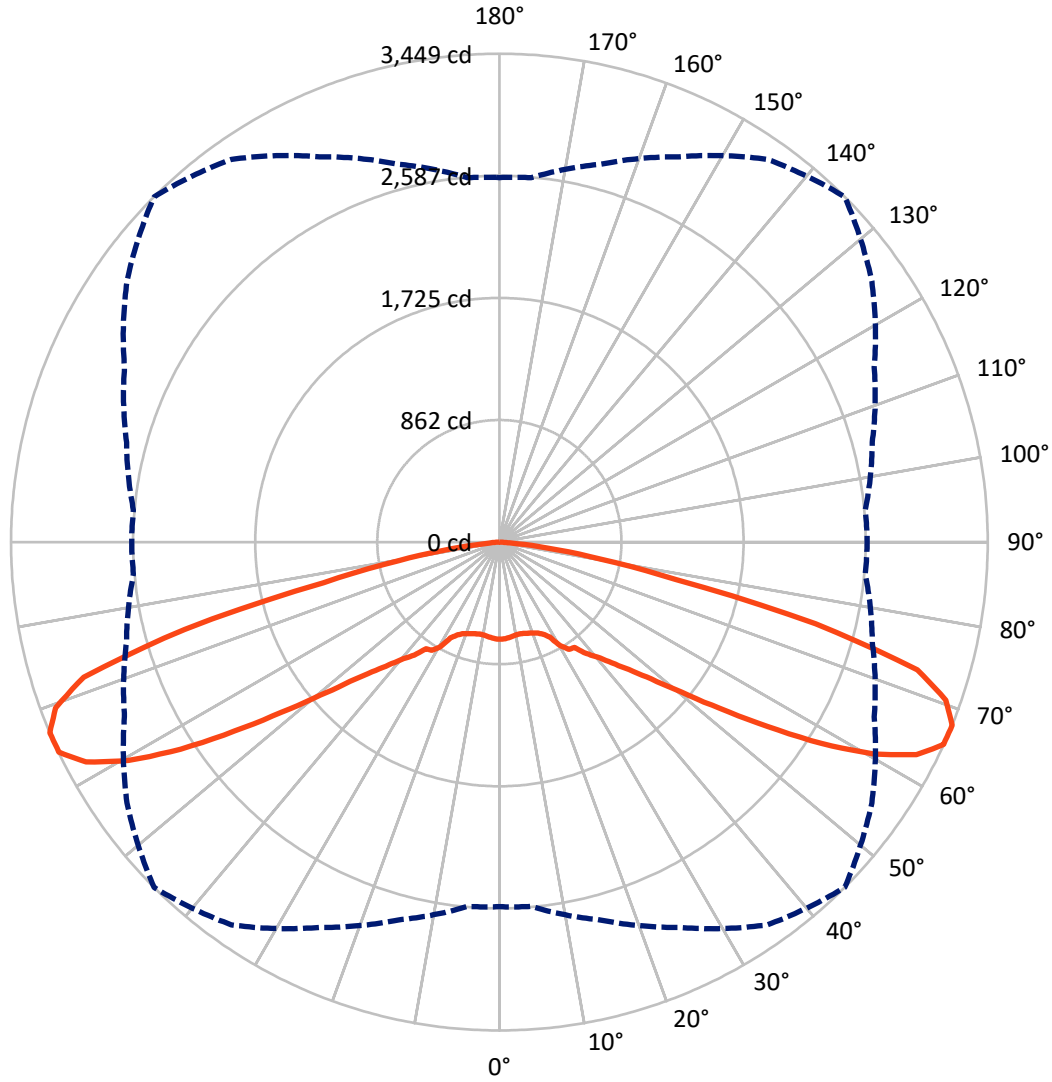
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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	4368.5	0.0	4368.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4368.5	0.0	4368.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8736.9	0.0	8736.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.3	0.7
10°-20°	190.9	2.2
20°-30°	342.5	3.9
30°-40°	578.5	6.6
40°-50°	1016.4	11.6
50°-60°	1960.7	22.4
60°-70°	2844.8	32.6
70°-80°	1627.7	18.6
80°-90°	111.1	1.3
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°	8736.9	100.0
0°-180°	8736.9	100.0

**Coefficient of Utilization**



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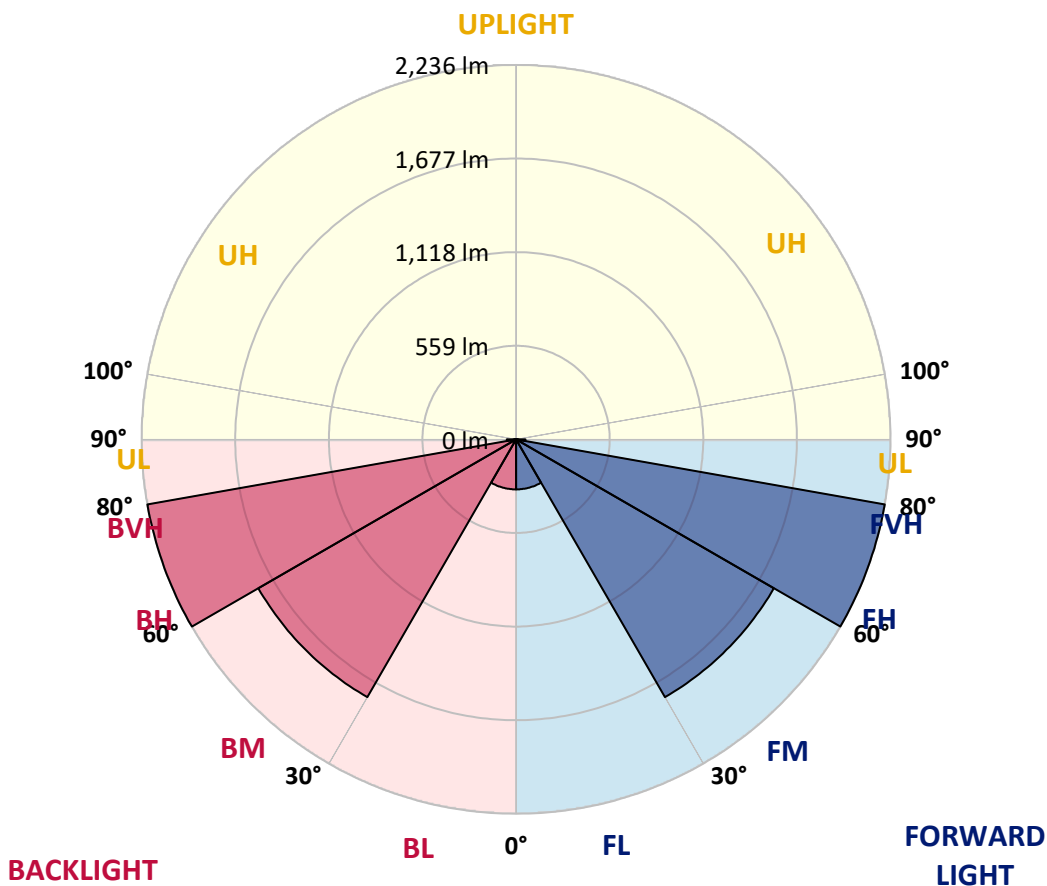
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.8	3.4			
FM (30°-60°)	1777.8	20.3			
FH (60°-80°)	2236.2	25.6			G2/5000
FVH (80°-90°)	55.5	0.6			G1/100
BL (0°-30°)	298.8	3.4	B1/500		
BM (30°-60°)	1777.8	20.3	B2/2500		
BH (60°-80°)	2236.2	25.6	B3/2500		G2/5000
BVH (80°-90°)	55.5	0.6			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°	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2
2.5°	679.6	680.2	681.4	681.4	682.7	684.5	685.2	683.9	684.5	681.4	684.5
5°	677.7	678.4	679.0	677.7	677.7	678.4	678.4	677.1	677.7	674.6	677.7
7.5°	673.4	674.0	674.0	672.2	670.3	671.6	671.6	670.3	670.9	667.9	671.6
10°	669.7	669.7	669.1	665.4	663.5	665.4	666.0	666.6	669.1	666.6	670.9
12.5°	672.2	672.2	670.3	665.4	662.3	663.5	664.8	666.0	670.3	669.7	674.6
15°	679.0	679.6	674.6	669.1	667.2	669.1	667.9	667.2	672.8	674.6	680.2
17.5°	684.5	684.5	678.4	672.8	673.4	676.5	674.0	670.9	676.5	680.2	686.4
20°	689.5	688.9	682.1	678.4	680.8	685.2	683.3	679.0	682.7	687.0	692.6
22.5°	701.8	701.2	693.8	691.9	694.4	698.7	696.9	693.2	697.5	703.7	710.5
25°	737.0	735.8	724.7	718.5	717.3	720.4	719.7	718.5	725.3	732.7	740.8
27.5°	784.0	783.4	775.4	769.2	761.1	758.7	760.5	766.1	776.0	781.5	788.3
30°	807.5	807.5	806.2	816.1	833.4	850.1	837.1	816.1	807.5	805.0	811.8
32.5°	838.4	841.5	837.1	848.3	877.3	902.0	877.3	843.3	837.1	837.1	844.5
35°	909.4	910.7	903.9	902.0	911.3	914.4	902.6	890.3	897.1	898.3	907.6
37.5°	966.3	966.3	963.2	968.1	987.3	999.0	979.8	957.6	959.5	960.7	972.4
40°	1054.0	1056.5	1049.0	1048.4	1055.8	1066.3	1046.0	1031.7	1041.6	1044.7	1062.6
42.5°	1163.3	1163.3	1152.2	1149.1	1154.1	1165.2	1146.0	1136.8	1149.7	1152.2	1162.7
45°	1293.7	1296.8	1282.0	1276.4	1278.9	1282.6	1269.0	1264.7	1277.0	1282.6	1301.1
47.5°	1452.5	1455.6	1442.6	1442.0	1439.5	1442.0	1429.0	1426.5	1436.4	1432.1	1451.9
50°	1648.3	1653.9	1642.8	1658.2	1656.3	1663.8	1645.8	1632.9	1632.9	1621.1	1632.3
52.5°	1867.6	1878.8	1884.3	1910.3	1930.0	1948.6	1918.9	1898.5	1868.9	1844.8	1875.1
55°	2106.7	2103.6	2138.9	2195.7	2253.8	2297.6	2239.6	2175.3	2127.1	2077.1	2088.8
57.5°	2316.2	2326.7	2373.0	2476.8	2591.7	2684.4	2580.0	2456.4	2347.1	2275.4	2285.3
60°	2490.4	2499.0	2560.8	2710.3	2911.1	3039.0	2873.4	2669.6	2510.8	2411.9	2422.4
62.5°	2651.0	2659.1	2721.5	2886.4	3139.7	3306.5	3092.8	2814.1	2637.4	2538.0	2544.1
65°	2743.7	2748.6	2833.9	3007.5	3274.4	3446.8	3205.8	2918.5	2744.9	2643.6	2647.3
67.5°	2575.0	2583.1	2762.8	3002.6	3300.3	3449.2	3210.8	2921.6	2726.4	2594.2	2597.3
70°	2031.4	2024.6	2238.9	2651.0	3151.4	3345.4	3068.0	2702.3	2400.8	2216.1	2213.0
72.5°	1548.8	1550.7	1669.9	1952.3	2569.5	3087.2	2707.2	2175.9	1851.0	1710.7	1705.2
75°	1123.2	1140.5	1237.5	1444.4	1797.2	2307.5	2038.2	1612.5	1395.0	1311.0	1298.6
77.5°	506.0	528.2	663.5	906.9	1201.6	1275.2	1280.1	1094.8	826.0	686.4	664.8
80°	147.7	158.2	203.3	347.8	559.7	723.5	574.6	483.1	300.9	236.0	224.9
82.5°	62.4	71.0	87.1	96.4	162.5	335.5	208.8	132.8	123.6	100.1	91.4
85°	26.6	28.4	36.5	38.9	52.5	71.7	66.1	59.9	57.5	44.5	40.8
87.5°	11.1	11.1	11.1	9.9	9.3	9.9	13.6	17.3	22.9	17.9	16.7
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)