

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: P631311

Luminaire Tested: GWS-SA1F-740-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631311  
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-740-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

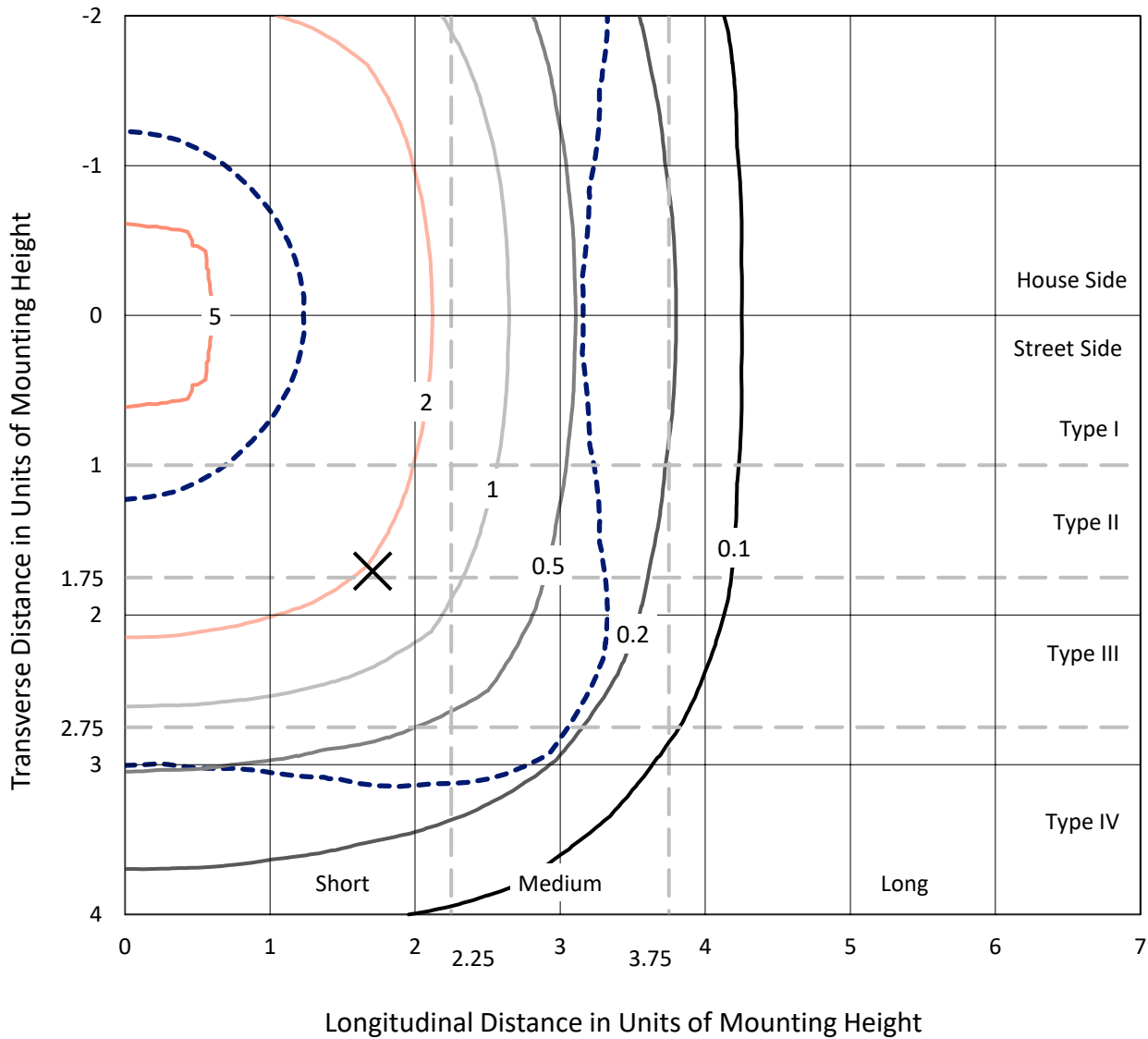
Lumens per Lamp: N/A  
Luminaire Lumens: 8541.2 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

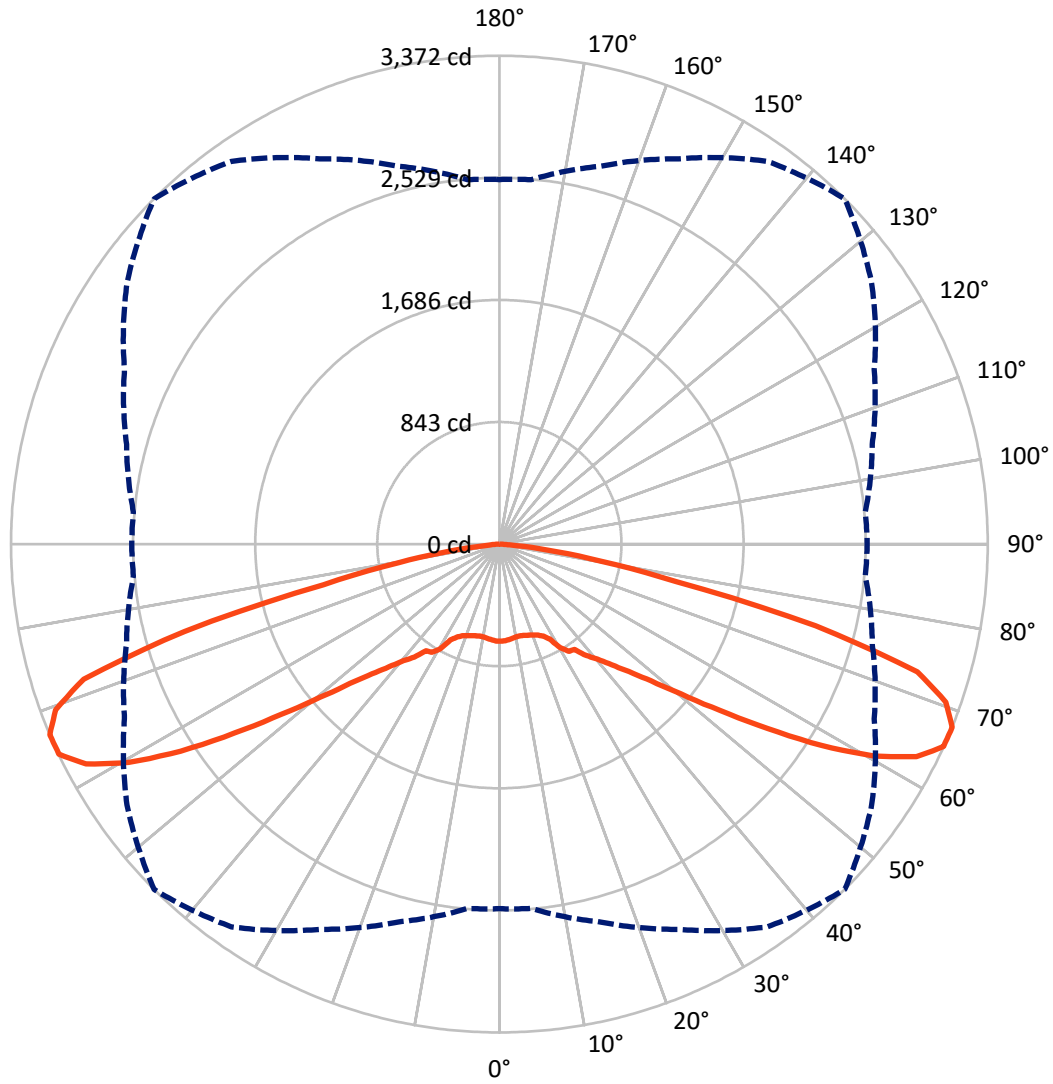
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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	4270.6	0.0	4270.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4270.6	0.0	4270.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8541.2	0.0	8541.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.9	0.7
10°-20°	186.6	2.2
20°-30°	334.8	3.9
30°-40°	565.6	6.6
40°-50°	993.7	11.6
50°-60°	1916.8	22.4
60°-70°	2781.1	32.6
70°-80°	1591.2	18.6
80°-90°	108.6	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°	8541.2	100.0
0°-180°	8541.2	100.0

**Coefficient of Utilization**



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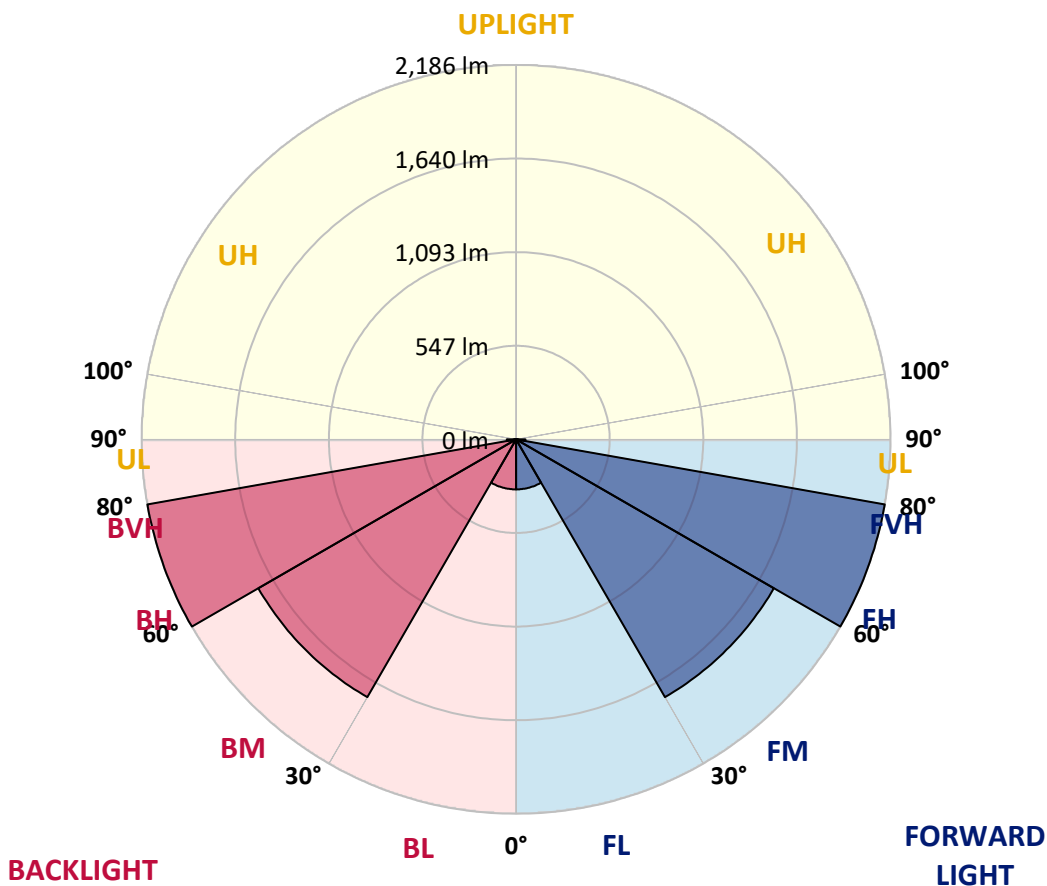
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.2	3.4			
FM (30°-60°)	1738.0	20.3			
FH (60°-80°)	2186.1	25.6			G2/5000
FVH (80°-90°)	54.3	0.6			G1/100
BL (0°-30°)	292.2	3.4	B1/500		
BM (30°-60°)	1738.0	20.3	B2/2500		
BH (60°-80°)	2186.1	25.6	B3/2500		G2/5000
BVH (80°-90°)	54.3	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°	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8
2.5°	664.4	665.0	666.2	666.2	667.4	669.2	669.8	668.6	669.2	666.2	669.2
5°	662.6	663.2	663.8	662.6	662.6	663.2	663.2	662.0	662.6	659.5	662.6
7.5°	658.3	658.9	658.9	657.1	655.3	656.5	656.5	655.3	655.9	652.9	656.5
10°	654.7	654.7	654.1	650.5	648.7	650.5	651.1	651.7	654.1	651.7	655.9
12.5°	657.1	657.1	655.3	650.5	647.5	648.7	649.9	651.1	655.3	654.7	659.5
15°	663.8	664.4	659.5	654.1	652.3	654.1	652.9	652.3	657.7	659.5	665.0
17.5°	669.2	669.2	663.2	657.7	658.3	661.3	658.9	655.9	661.3	665.0	671.0
20°	674.0	673.4	666.8	663.2	665.6	669.8	668.0	663.8	667.4	671.6	677.1
22.5°	686.1	685.5	678.3	676.4	678.9	683.1	681.3	677.7	681.9	687.9	694.6
25°	720.5	719.3	708.5	702.4	701.2	704.2	703.6	702.4	709.1	716.3	724.2
27.5°	766.4	765.8	758.0	751.9	744.1	741.7	743.5	748.9	758.6	764.0	770.7
30°	789.4	789.4	788.2	797.8	814.8	831.1	818.4	797.8	789.4	787.0	793.6
32.5°	819.6	822.6	818.4	829.3	857.6	881.8	857.6	824.4	818.4	818.4	825.6
35°	889.0	890.3	883.6	881.8	890.9	893.9	882.4	870.3	877.0	878.2	887.2
37.5°	944.6	944.6	941.6	946.4	965.1	976.6	957.9	936.2	938.0	939.2	950.7
40°	1030.4	1032.8	1025.5	1024.9	1032.2	1042.5	1022.5	1008.6	1018.3	1021.3	1038.8
42.5°	1137.3	1137.3	1126.4	1123.4	1128.2	1139.1	1120.4	1111.3	1124.0	1126.4	1136.7
45°	1264.7	1267.7	1253.2	1247.8	1250.2	1253.8	1240.6	1236.3	1248.4	1253.8	1272.0
47.5°	1419.9	1423.0	1410.3	1409.7	1407.3	1409.7	1397.0	1394.6	1404.2	1400.0	1419.3
50°	1611.4	1616.8	1606.0	1621.1	1619.2	1626.5	1609.0	1596.3	1596.3	1584.8	1595.7
52.5°	1825.8	1836.7	1842.1	1867.5	1886.8	1904.9	1875.9	1856.0	1827.0	1803.5	1833.1
55°	2059.5	2056.5	2090.9	2146.5	2203.3	2246.2	2189.4	2126.6	2079.5	2030.6	2042.0
57.5°	2264.3	2274.6	2319.9	2421.3	2533.7	2624.3	2522.2	2401.4	2294.5	2224.4	2234.1
60°	2434.6	2443.1	2503.5	2649.6	2845.9	2970.9	2809.1	2609.8	2454.5	2357.9	2368.2
62.5°	2591.6	2599.5	2660.5	2821.8	3069.4	3232.5	3023.5	2751.1	2578.4	2481.1	2487.2
65°	2682.2	2687.1	2770.4	2940.1	3201.0	3369.6	3134.0	2853.2	2683.4	2584.4	2588.0
67.5°	2517.4	2525.2	2701.0	2935.3	3226.4	3372.0	3138.8	2856.2	2665.3	2536.1	2539.1
70°	1985.9	1979.2	2188.8	2591.6	3080.9	3270.5	2999.3	2641.8	2347.0	2166.4	2163.4
72.5°	1514.2	1516.0	1632.5	1908.6	2511.9	3018.0	2646.6	2127.2	1809.5	1672.4	1667.0
75°	1098.0	1114.9	1209.8	1412.1	1757.0	2255.8	1992.5	1576.4	1363.8	1281.6	1269.5
77.5°	494.7	516.4	648.7	886.6	1174.7	1246.6	1251.4	1070.2	807.5	671.0	649.9
80°	144.3	154.6	198.7	340.0	547.2	707.3	561.7	472.3	294.1	230.7	219.8
82.5°	61.0	69.5	85.2	94.2	158.8	328.0	204.1	129.9	120.8	97.8	89.4
85°	26.0	27.8	35.6	38.1	51.3	70.1	64.6	58.6	56.2	43.5	39.9
87.5°	10.9	10.9	10.9	9.7	9.1	9.7	13.3	16.9	22.3	17.5	16.3
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)