

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: P631256

Luminaire Tested: GWS-SA1F-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631256  
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-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

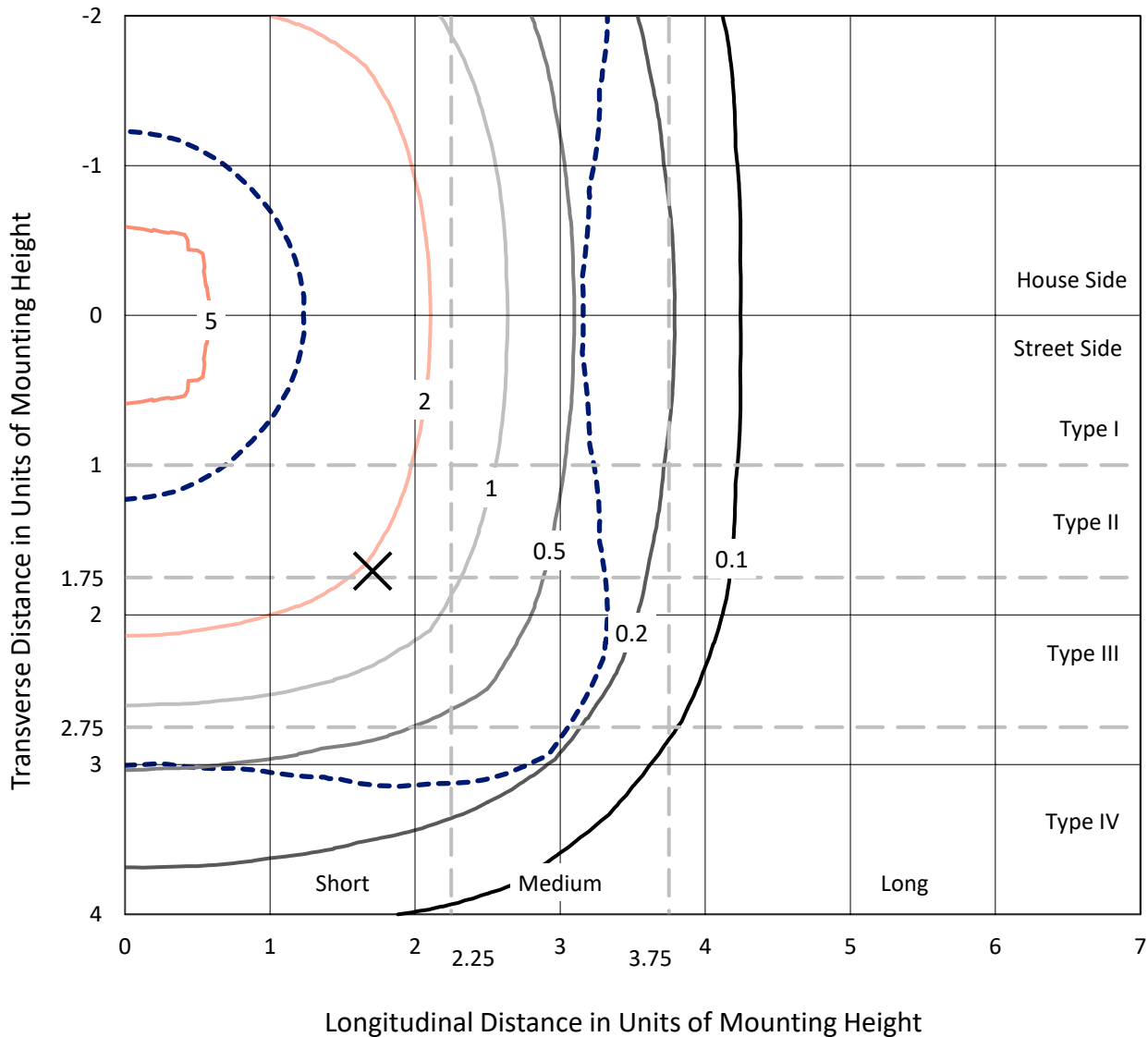
Lumens per Lamp: N/A  
Luminaire Lumens: 8424.1 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): 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

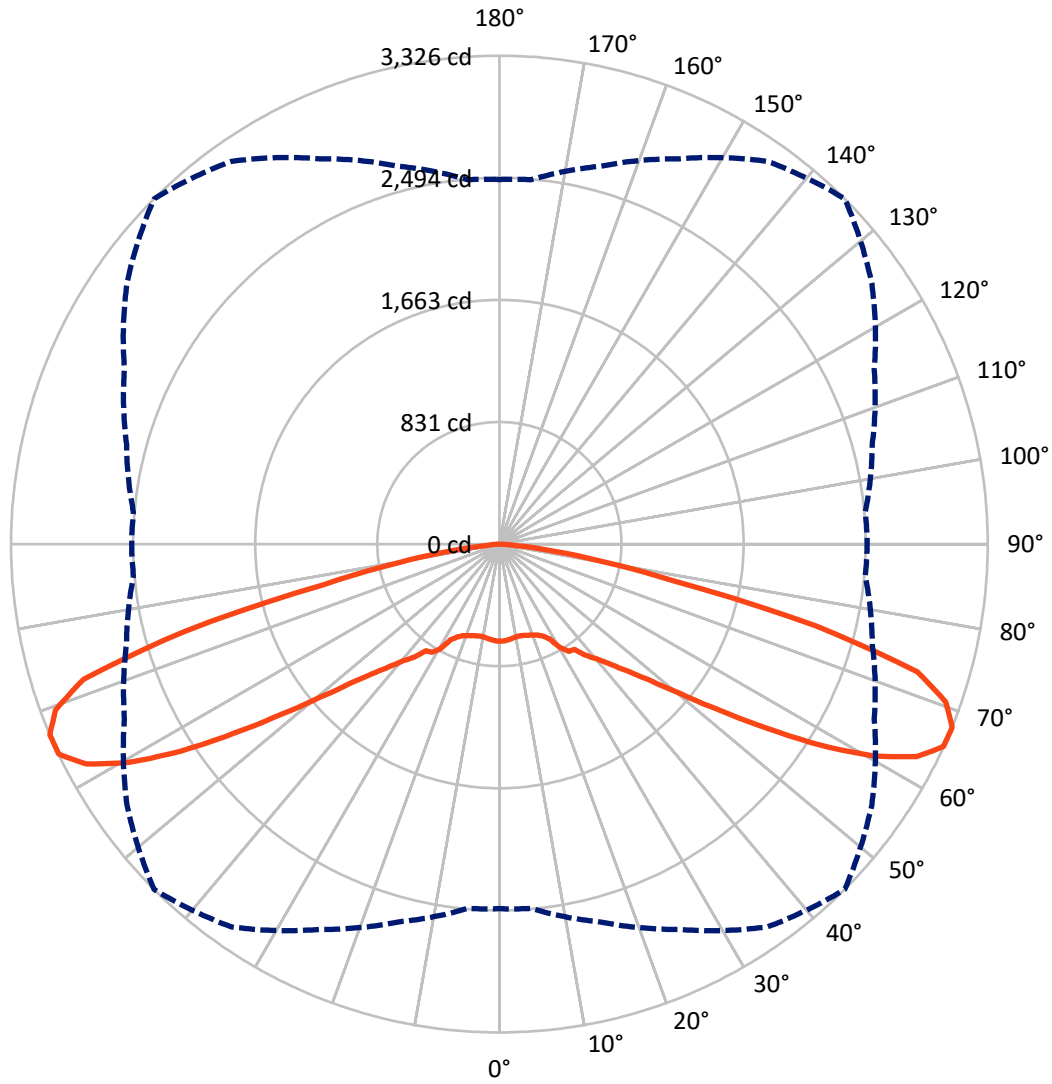
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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	4212.1	0.0	4212.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4212.1	0.0	4212.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8424.1	0.0	8424.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.0	0.7
10°-20°	184.1	2.2
20°-30°	330.2	3.9
30°-40°	557.8	6.6
40°-50°	980.0	11.6
50°-60°	1890.5	22.4
60°-70°	2742.9	32.6
70°-80°	1569.4	18.6
80°-90°	107.1	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°	8424.1	100.0
0°-180°	8424.1	100.0

**Coefficient of Utilization**



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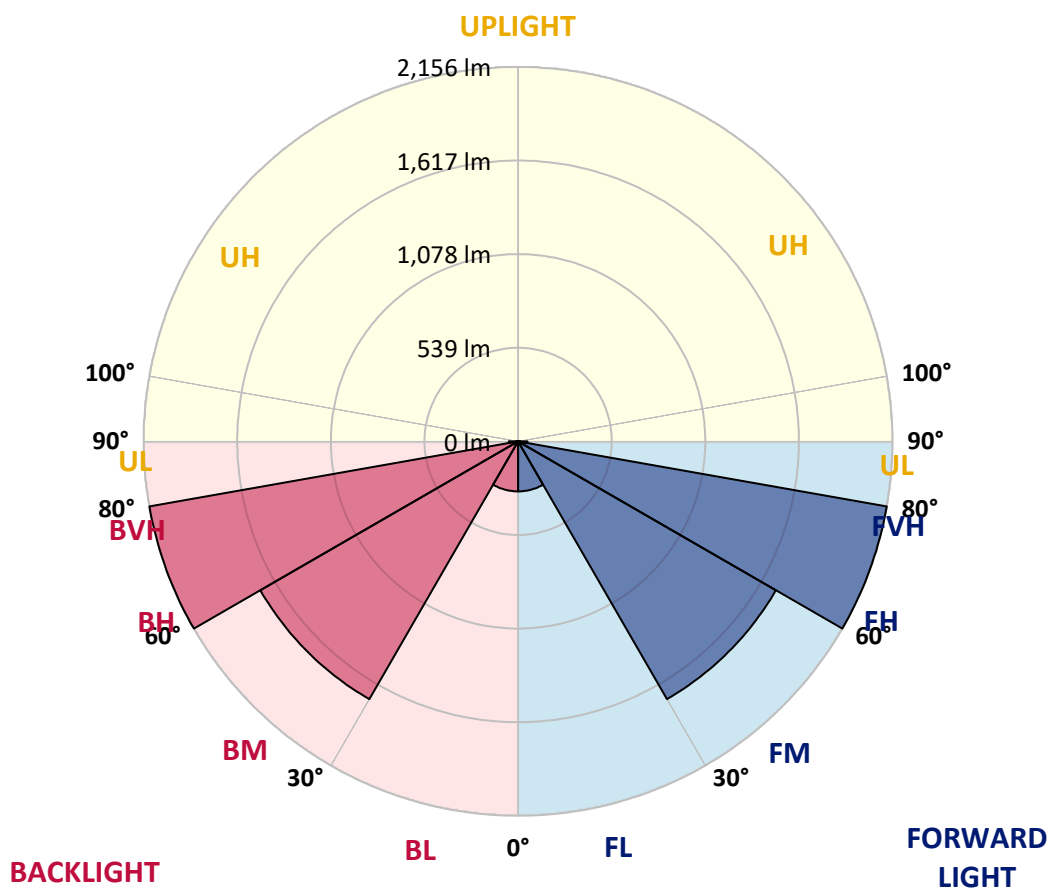
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.1	3.4			
FM (30°-60°)	1714.2	20.3			
FH (60°-80°)	2156.2	25.6			G2/5000
FVH (80°-90°)	53.6	0.6			G1/100
BL (0°-30°)	288.1	3.4	B1/500		
BM (30°-60°)	1714.2	20.3	B2/2500		
BH (60°-80°)	2156.2	25.6	B3/2500		G2/5000
BVH (80°-90°)	53.6	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°	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6
2.5°	655.3	655.9	657.0	657.0	658.2	660.0	660.6	659.4	660.0	657.0	660.0
5°	653.5	654.1	654.7	653.5	653.5	654.1	654.1	652.9	653.5	650.5	653.5
7.5°	649.3	649.9	649.9	648.1	646.3	647.5	647.5	646.3	646.9	643.9	647.5
10°	645.7	645.7	645.1	641.6	639.8	641.6	642.2	642.8	645.1	642.8	646.9
12.5°	648.1	648.1	646.3	641.6	638.6	639.8	641.0	642.2	646.3	645.7	650.5
15°	654.7	655.3	650.5	645.1	643.3	645.1	643.9	643.3	648.7	650.5	655.9
17.5°	660.0	660.0	654.1	648.7	649.3	652.3	649.9	646.9	652.3	655.9	661.8
20°	664.8	664.2	657.6	654.1	656.5	660.6	658.8	654.7	658.2	662.4	667.8
22.5°	676.7	676.1	669.0	667.2	669.6	673.7	671.9	668.4	672.5	678.5	685.0
25°	710.7	709.5	698.7	692.8	691.6	694.6	694.0	692.8	699.3	706.5	714.2
27.5°	755.9	755.3	747.6	741.6	733.9	731.5	733.3	738.7	748.2	753.5	760.1
30°	778.6	778.6	777.4	786.9	803.6	819.7	807.2	786.9	778.6	776.2	782.7
32.5°	808.4	811.3	807.2	817.9	845.9	869.7	845.9	813.1	807.2	807.2	814.3
35°	876.9	878.0	871.5	869.7	878.6	881.6	870.3	858.4	864.9	866.1	875.1
37.5°	931.7	931.7	928.7	933.4	951.9	963.2	944.8	923.3	925.1	926.3	937.6
40°	1016.2	1018.6	1011.5	1010.9	1018.0	1028.2	1008.5	994.8	1004.3	1007.3	1024.6
42.5°	1121.7	1121.7	1111.0	1108.0	1112.8	1123.5	1105.0	1096.1	1108.6	1111.0	1121.1
45°	1247.4	1250.4	1236.1	1230.7	1233.1	1236.7	1223.5	1219.4	1231.3	1236.7	1254.5
47.5°	1400.5	1403.4	1390.9	1390.3	1388.0	1390.3	1377.8	1375.5	1385.0	1380.8	1399.9
50°	1589.3	1594.7	1583.9	1598.8	1597.0	1604.2	1586.9	1574.4	1574.4	1563.1	1573.8
52.5°	1800.8	1811.5	1816.9	1841.9	1860.9	1878.8	1850.2	1830.6	1802.0	1778.7	1807.9
55°	2031.3	2028.3	2062.3	2117.1	2173.1	2215.4	2159.4	2097.4	2051.0	2002.7	2014.0
57.5°	2233.2	2243.4	2288.0	2388.1	2498.9	2588.3	2487.6	2368.5	2263.0	2193.9	2203.5
60°	2401.2	2409.6	2469.1	2613.3	2806.9	2930.2	2770.6	2574.0	2420.9	2325.6	2335.7
62.5°	2556.1	2563.9	2624.0	2783.1	3027.3	3188.1	2982.0	2713.4	2543.0	2447.1	2453.1
65°	2645.5	2650.2	2732.4	2899.8	3157.2	3323.4	3091.0	2814.0	2646.7	2549.0	2552.5
67.5°	2482.8	2490.6	2663.9	2895.1	3182.2	3325.7	3095.8	2817.0	2628.8	2501.3	2504.3
70°	1958.6	1952.1	2158.8	2556.1	3038.6	3225.7	2958.2	2605.6	2314.9	2136.7	2133.8
72.5°	1493.4	1495.2	1610.2	1882.4	2477.5	2976.7	2610.3	2098.0	1784.7	1649.5	1644.1
75°	1083.0	1099.6	1193.2	1392.7	1732.9	2224.9	1965.2	1554.8	1345.1	1264.1	1252.1
77.5°	487.9	509.3	639.8	874.5	1158.6	1229.5	1234.3	1055.6	796.4	661.8	641.0
80°	142.4	152.5	196.0	335.4	539.7	697.6	554.0	465.8	290.1	227.6	216.8
82.5°	60.2	68.5	84.0	92.9	156.7	323.5	201.3	128.1	119.1	96.5	88.2
85°	25.6	27.4	35.1	37.5	50.6	69.1	63.7	57.8	55.4	42.9	39.3
87.5°	10.7	10.7	10.7	9.5	8.9	9.5	13.1	16.7	22.0	17.3	16.1
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)