

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: P633566

Luminaire Tested: GWS-SA2F-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633566  
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-SA2F-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

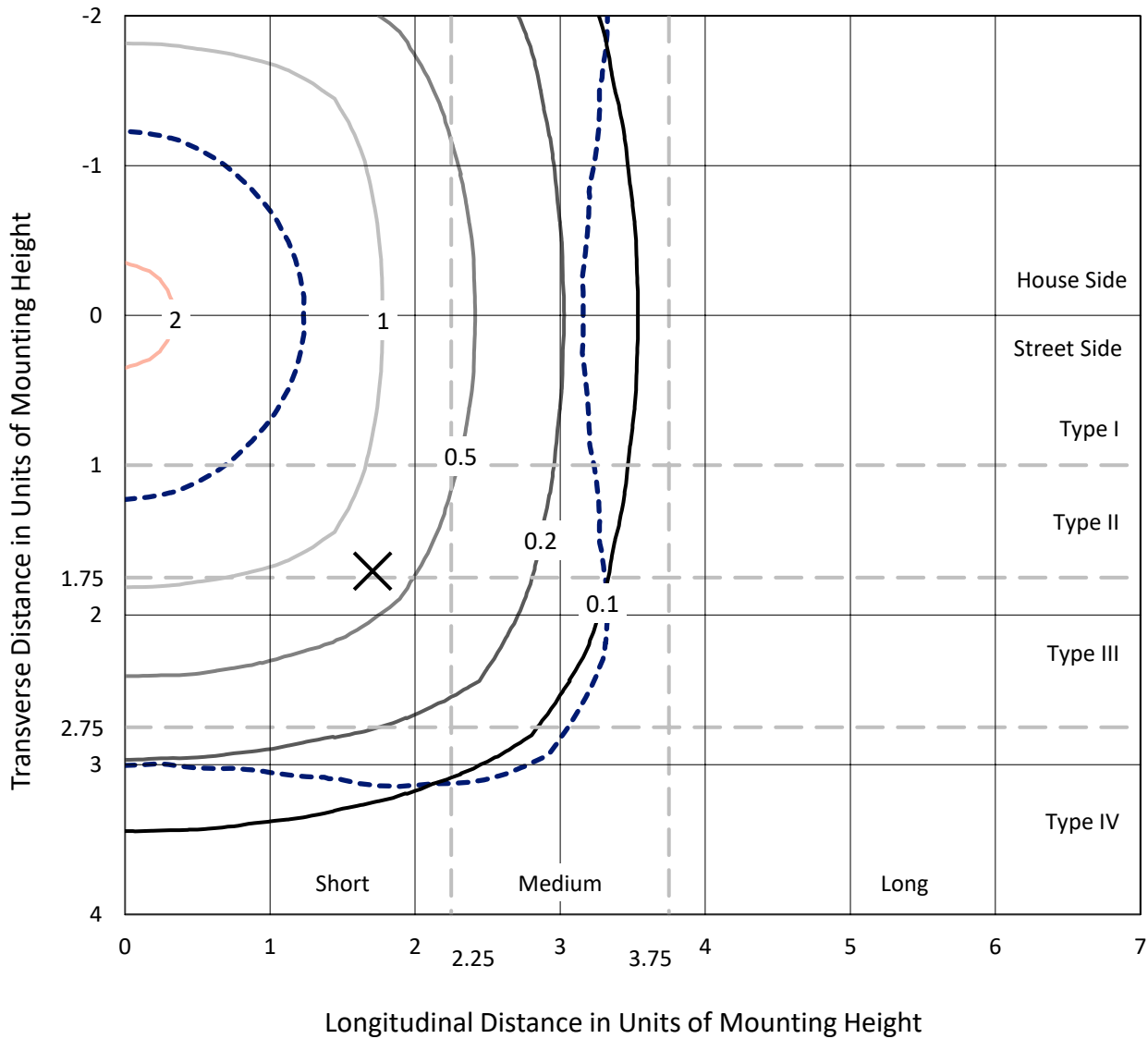
Lumens per Lamp: N/A  
Luminaire Lumens: 12114.4 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

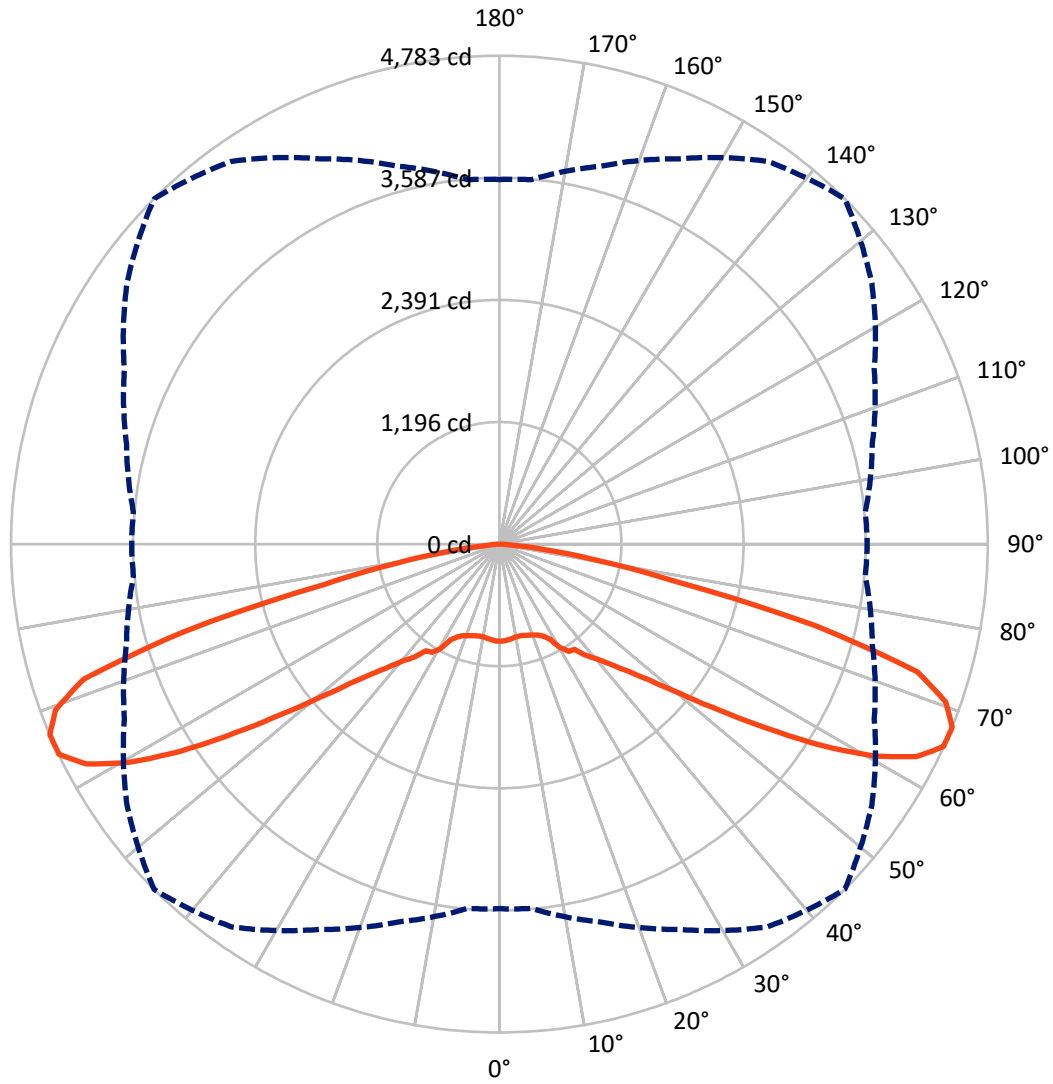
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.4 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	6057.2	0.0	6057.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6057.2	0.0	6057.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12114.4	0.0	12114.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	0.7
10°-20°	264.7	2.2
20°-30°	474.8	3.9
30°-40°	802.1	6.6
40°-50°	1409.4	11.6
50°-60°	2718.7	22.4
60°-70°	3944.5	32.6
70°-80°	2256.9	18.6
80°-90°	154.0	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°	12114.4	100.0
0°-180°	12114.4	100.0

**Coefficient of Utilization**



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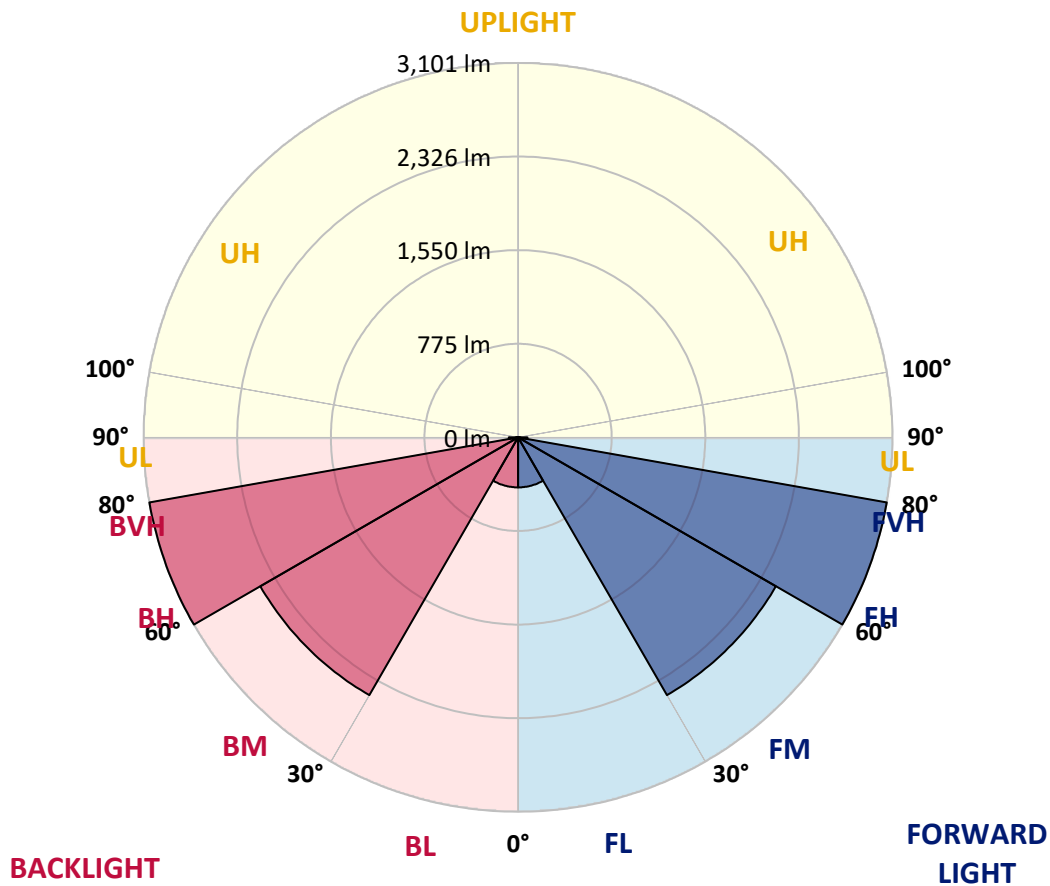
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.4	3.4			
FM (30°-60°)	2465.1	20.3			
FH (60°-80°)	3100.7	25.6			G2/5000
FVH (80°-90°)	77.0	0.6			G1/100
BL (0°-30°)	414.4	3.4	B1/500		
BM (30°-60°)	2465.1	20.3	B2/2500		
BH (60°-80°)	3100.7	25.6	B4/5000		G2/5000
BVH (80°-90°)	77.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0	950.0
2.5°	942.3	943.2	944.9	944.9	946.6	949.2	950.0	948.3	949.2	944.9	949.2
5°	939.7	940.6	941.4	939.7	939.7	940.6	940.6	938.9	939.7	935.5	939.7
7.5°	933.7	934.6	934.6	932.0	929.5	931.2	931.2	929.5	930.3	926.0	931.2
10°	928.6	928.6	927.7	922.6	920.0	922.6	923.5	924.3	927.7	924.3	930.3
12.5°	932.0	932.0	929.5	922.6	918.3	920.0	921.7	923.5	929.5	928.6	935.5
15°	941.4	942.3	935.5	927.7	925.2	927.7	926.0	925.2	932.9	935.5	943.2
17.5°	949.2	949.2	940.6	932.9	933.7	938.0	934.6	930.3	938.0	943.2	951.7
20°	956.0	955.2	945.7	940.6	944.0	950.0	947.4	941.4	946.6	952.6	960.3
22.5°	973.1	972.3	962.0	959.4	962.9	968.9	966.3	961.2	967.1	975.7	985.1
25°	1022.0	1020.3	1004.8	996.3	994.6	998.8	998.0	996.3	1005.7	1016.0	1027.1
27.5°	1087.1	1086.2	1075.1	1066.5	1055.4	1052.0	1054.5	1062.2	1075.9	1083.7	1093.1
30°	1119.6	1119.6	1117.9	1131.6	1155.6	1178.7	1160.8	1131.6	1119.6	1116.2	1125.6
32.5°	1162.5	1166.7	1160.8	1176.2	1216.4	1250.7	1216.4	1169.3	1160.8	1160.8	1171.0
35°	1261.0	1262.7	1253.3	1250.7	1263.5	1267.8	1251.6	1234.4	1243.8	1245.6	1258.4
37.5°	1339.8	1339.8	1335.5	1342.4	1368.9	1385.2	1358.6	1327.8	1330.4	1332.1	1348.4
40°	1461.4	1464.9	1454.6	1453.7	1464.0	1478.6	1450.3	1430.6	1444.3	1448.6	1473.4
42.5°	1613.1	1613.1	1597.6	1593.4	1600.2	1615.6	1589.1	1576.2	1594.2	1597.6	1612.2
45°	1793.8	1798.1	1777.5	1769.8	1773.2	1778.4	1759.5	1753.5	1770.7	1778.4	1804.1
47.5°	2014.0	2018.2	2000.3	1999.4	1996.0	1999.4	1981.4	1978.0	1991.7	1985.7	2013.1
50°	2285.5	2293.2	2277.8	2299.2	2296.7	2306.9	2282.1	2264.1	2264.1	2247.8	2263.2
52.5°	2589.6	2605.0	2612.8	2648.7	2676.2	2701.8	2660.7	2632.5	2591.3	2557.9	2599.9
55°	2921.2	2916.9	2965.7	3044.5	3125.0	3185.9	3105.3	3016.2	2949.4	2880.0	2896.3
57.5°	3211.6	3226.1	3290.4	3434.3	3593.6	3722.1	3577.3	3406.0	3254.4	3155.0	3168.7
60°	3453.1	3465.1	3550.8	3758.1	4036.5	4213.8	3984.2	3701.6	3481.4	3344.3	3358.9
62.5°	3675.9	3687.0	3773.5	4002.2	4353.5	4584.7	4288.4	3902.0	3657.0	3519.1	3527.7
65°	3804.3	3811.2	3929.4	4170.1	4540.2	4779.2	4445.1	4046.8	3806.1	3665.6	3670.7
67.5°	3570.5	3581.6	3830.9	4163.3	4576.2	4782.6	4452.0	4051.1	3780.4	3597.0	3601.3
70°	2816.6	2807.2	3104.5	3675.9	4369.7	4638.7	4254.1	3747.0	3328.9	3072.8	3068.5
72.5°	2147.6	2150.2	2315.5	2707.0	3562.8	4280.6	3753.8	3017.1	2566.5	2372.0	2364.3
75°	1557.4	1581.4	1715.9	2002.8	2492.0	3199.6	2826.1	2235.8	1934.3	1817.8	1800.7
77.5°	701.6	732.4	920.0	1257.6	1666.2	1768.1	1775.0	1518.0	1145.3	951.7	921.7
80°	204.7	219.3	281.8	482.3	776.1	1003.1	796.7	669.9	417.2	327.2	311.8
82.5°	86.5	98.5	120.8	133.6	225.3	465.2	289.5	184.2	171.3	138.8	126.8
85°	36.8	39.4	50.5	54.0	72.8	99.4	91.7	83.1	79.7	61.7	56.5
87.5°	15.4	15.4	15.4	13.7	12.8	13.7	18.8	24.0	31.7	24.8	23.1
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)