

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: P633894

Luminaire Tested: GWS-SA2F-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-760-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

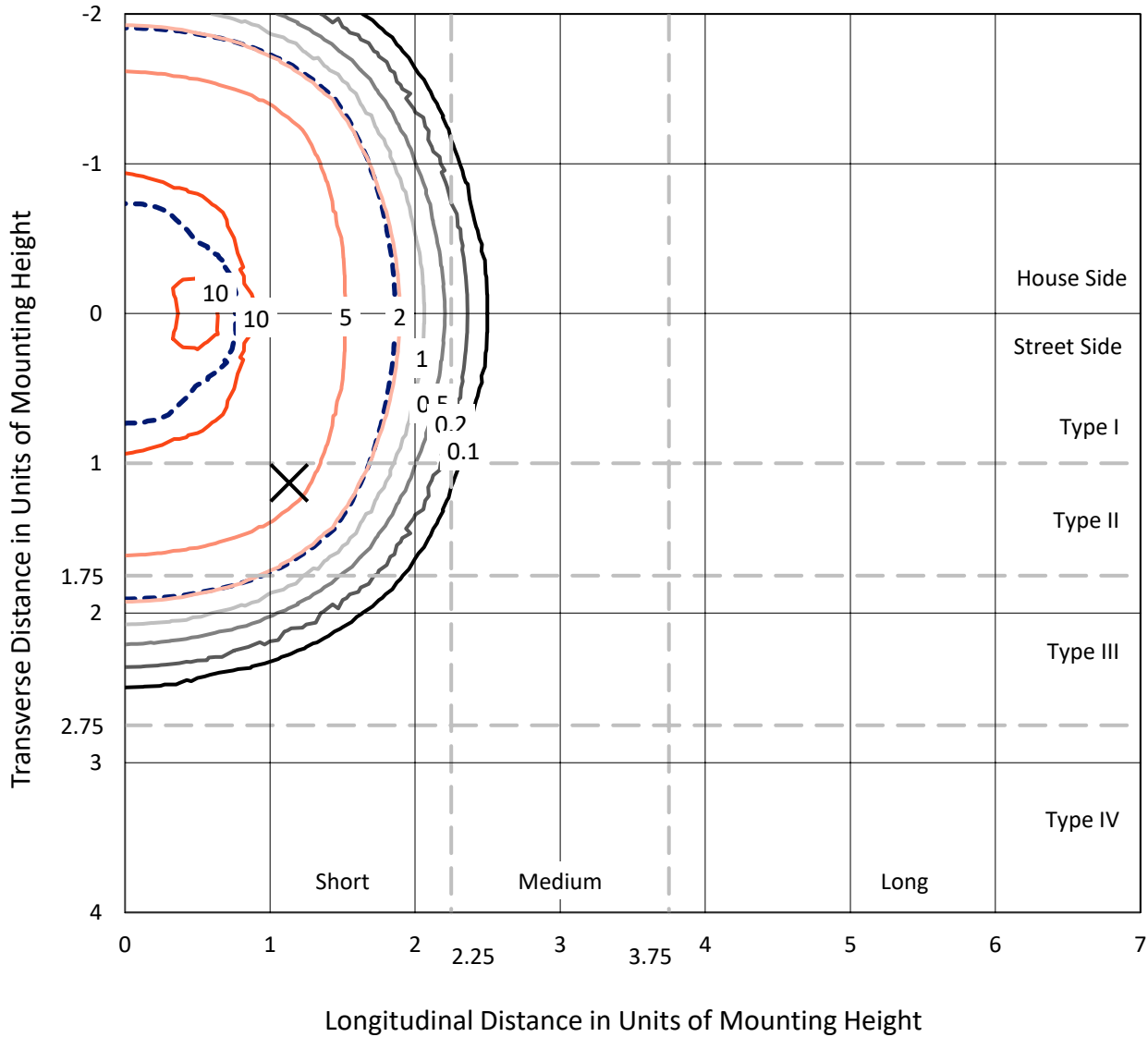
Lumens per Lamp: N/A  
Luminaire Lumens: 8613.2 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

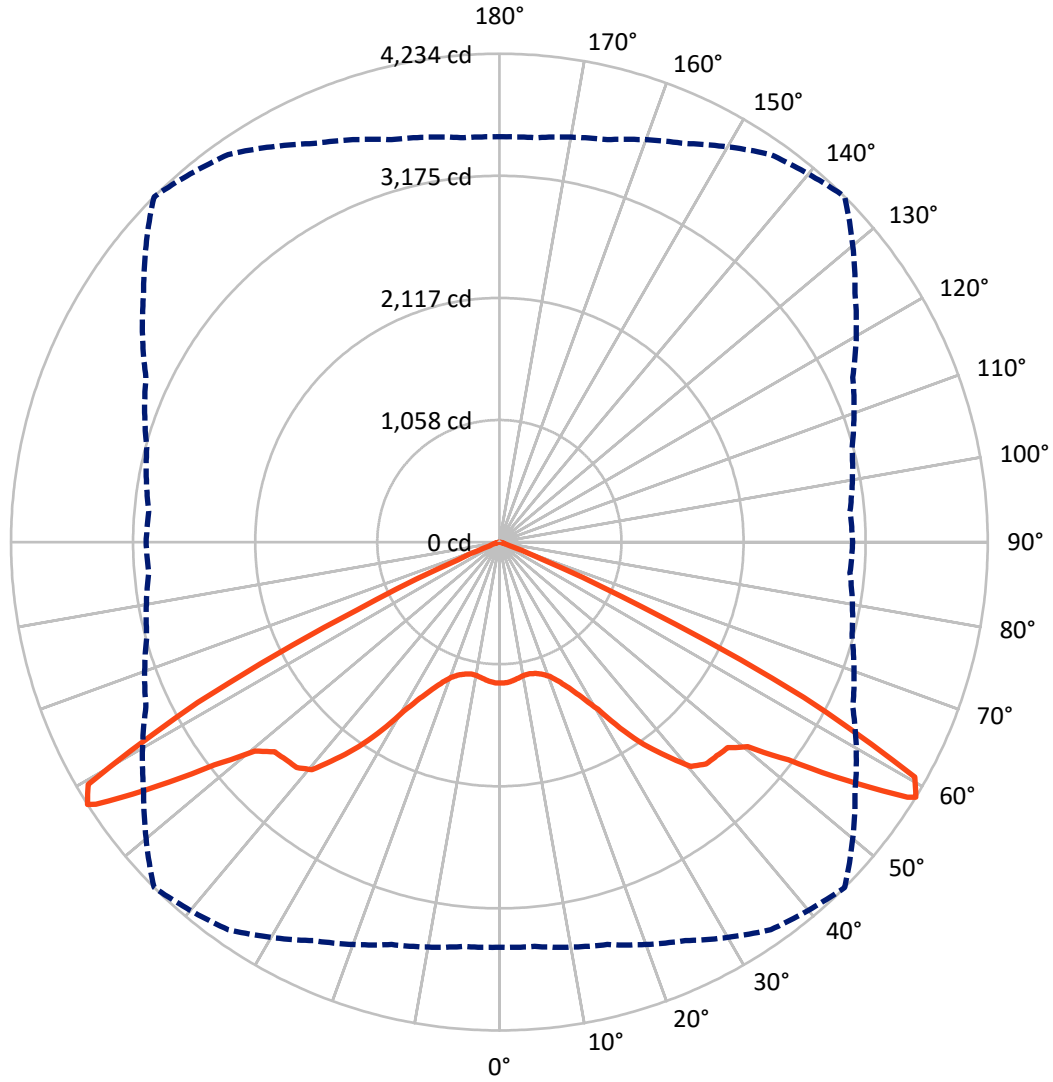
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4306.6	0.0	4306.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4306.6	0.0	4306.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8613.2	0.0	8613.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.0	1.3
10°-20°	337.2	3.9
20°-30°	637.8	7.4
30°-40°	1257.8	14.6
40°-50°	1990.5	23.1
50°-60°	2925.9	34.0
60°-70°	1306.0	15.2
70°-80°	43.8	0.5
80°-90°	0.4	0.0
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°	8613.2	100.0
0°-180°	8613.2	100.0

**Coefficient of Utilization**



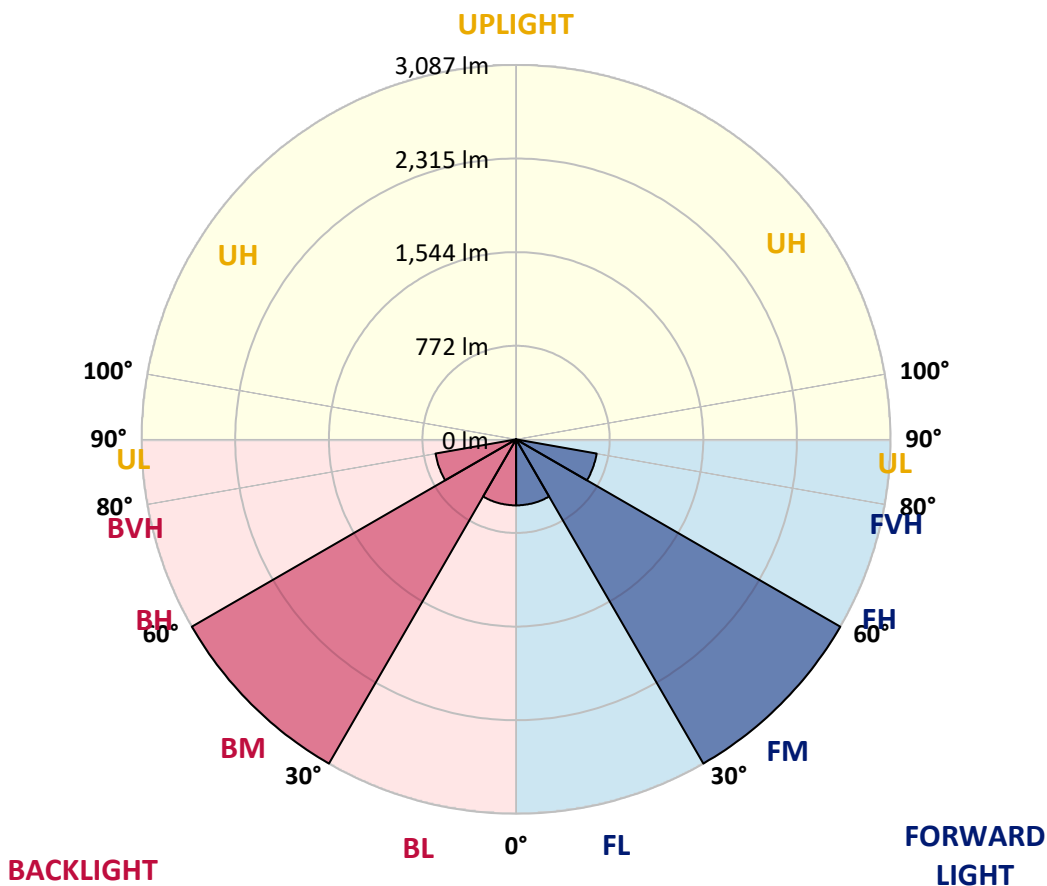
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.5	6.3			
FM (30°-60°)	3087.1	35.8			
FH (60°-80°)	674.9	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	544.5	6.3	B2/1000		
BM (30°-60°)	3087.1	35.8	B3/5000		
BH (60°-80°)	674.9	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1221.5	1221.5	1221.5	1221.5	1221.5	1221.5	1221.5	1221.5	1221.5	1221.5	1221.5
2.5°	1209.7	1212.1	1214.4	1215.6	1216.8	1220.3	1221.5	1217.9	1217.9	1210.9	1219.1
5°	1203.9	1206.2	1208.6	1207.4	1207.4	1207.4	1206.2	1201.5	1200.3	1193.3	1201.5
7.5°	1193.3	1195.7	1195.7	1192.1	1189.8	1189.8	1188.6	1182.7	1181.6	1174.5	1182.7
10°	1185.1	1186.3	1185.1	1178.1	1173.4	1173.4	1172.2	1169.8	1171.0	1166.3	1173.4
12.5°	1189.8	1191.0	1186.3	1176.9	1171.0	1169.8	1166.3	1162.8	1166.3	1165.1	1172.2
15°	1205.0	1206.2	1198.0	1186.3	1181.6	1181.6	1172.2	1162.8	1167.5	1168.7	1176.9
17.5°	1223.8	1223.8	1213.3	1202.7	1203.9	1203.9	1188.6	1172.2	1173.4	1178.1	1186.3
20°	1246.1	1246.1	1235.5	1233.2	1241.4	1242.6	1223.8	1198.0	1192.1	1195.7	1205.0
22.5°	1286.0	1286.0	1277.8	1283.7	1302.4	1308.3	1280.1	1243.8	1229.7	1232.0	1241.4
25°	1348.2	1348.2	1345.8	1359.9	1386.9	1399.8	1362.3	1314.2	1290.7	1287.2	1297.7
27.5°	1452.6	1453.8	1450.3	1471.4	1505.4	1520.7	1469.0	1405.7	1377.5	1371.7	1382.2
30°	1587.6	1587.6	1588.7	1618.1	1662.6	1682.6	1614.5	1540.6	1507.8	1489.0	1503.1
32.5°	1737.7	1740.1	1751.8	1801.1	1879.7	1920.8	1821.1	1717.8	1665.0	1645.0	1660.3
35°	1985.3	1963.0	1948.9	1985.3	2099.1	2153.1	2025.2	1904.4	1864.5	1862.1	1900.8
37.5°	2230.6	2217.6	2188.3	2225.9	2327.9	2352.6	2211.8	2110.9	2082.7	2098.0	2136.7
40°	2425.3	2401.9	2363.1	2398.3	2532.1	2556.7	2383.1	2283.4	2272.8	2306.8	2359.6
42.5°	2579.0	2546.2	2494.6	2502.8	2610.7	2628.3	2474.6	2399.5	2406.6	2448.8	2508.6
45°	2648.3	2622.5	2576.7	2573.2	2641.2	2642.4	2521.5	2482.8	2501.6	2534.5	2581.4
47.5°	2677.6	2665.9	2640.1	2634.2	2672.9	2663.5	2588.4	2572.0	2589.6	2599.0	2626.0
50°	2750.4	2750.4	2753.9	2758.6	2798.5	2789.1	2736.3	2717.5	2695.2	2662.4	2670.6
52.5°	2954.5	2962.7	2996.8	3034.3	3107.1	3137.6	3051.9	2942.8	2836.0	2764.4	2764.4
55°	3323.0	3331.2	3371.1	3434.4	3568.2	3640.9	3441.5	3200.9	3054.3	2956.9	2969.8
57.5°	3525.9	3535.3	3617.5	3788.8	4048.1	4171.3	3743.0	3386.3	3181.0	3069.5	3078.9
58°	3513.0	3518.9	3611.6	3812.2	4100.9	4233.5	3764.1	3380.4	3164.5	3050.7	3062.5
60°	3121.1	3112.9	3260.8	3547.1	3954.2	4137.3	3554.1	3085.9	2834.8	2718.7	2724.5
62.5°	2040.5	2045.2	2173.1	2472.3	2789.1	2961.6	2482.8	2134.3	1932.5	1862.1	1844.5
65°	851.9	836.6	915.2	1081.8	1271.9	1368.1	1175.7	995.0	870.6	823.7	836.6
67.5°	219.4	213.6	218.2	273.4	334.4	395.4	332.1	253.4	220.6	222.9	222.9
70°	124.4	117.3	95.0	88.0	85.7	85.7	85.7	85.7	98.6	116.2	119.7
72.5°	93.9	88.0	69.2	59.8	52.8	49.3	51.6	59.8	71.6	86.8	89.2
75°	46.9	46.9	42.2	39.9	35.2	32.9	34.0	37.5	43.4	49.3	48.1
77.5°	9.4	10.6	11.7	14.1	11.7	11.7	11.7	14.1	14.1	15.3	14.1
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)