

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: P633558

Luminaire Tested: GWS-SA2F-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7301 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

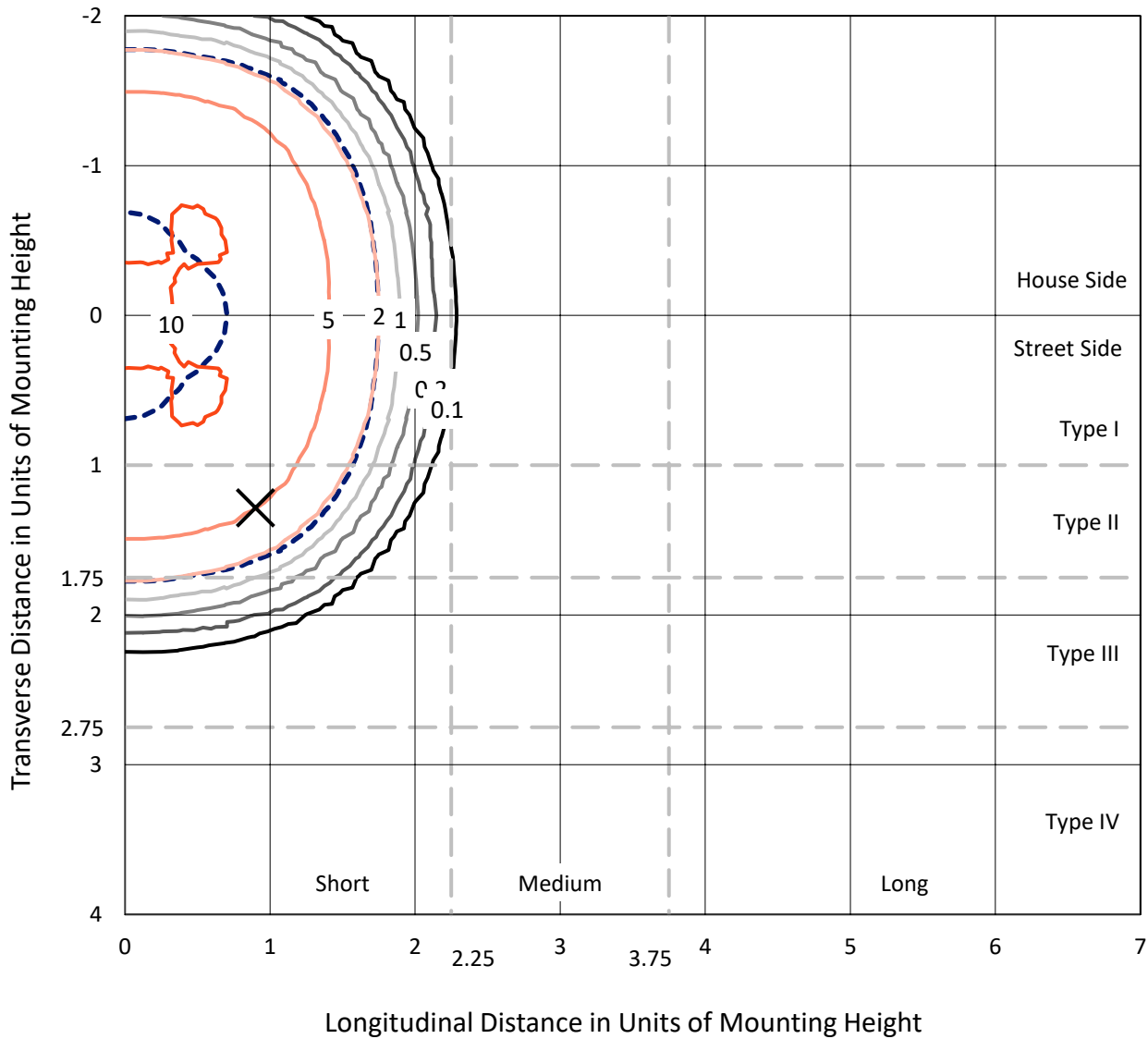
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

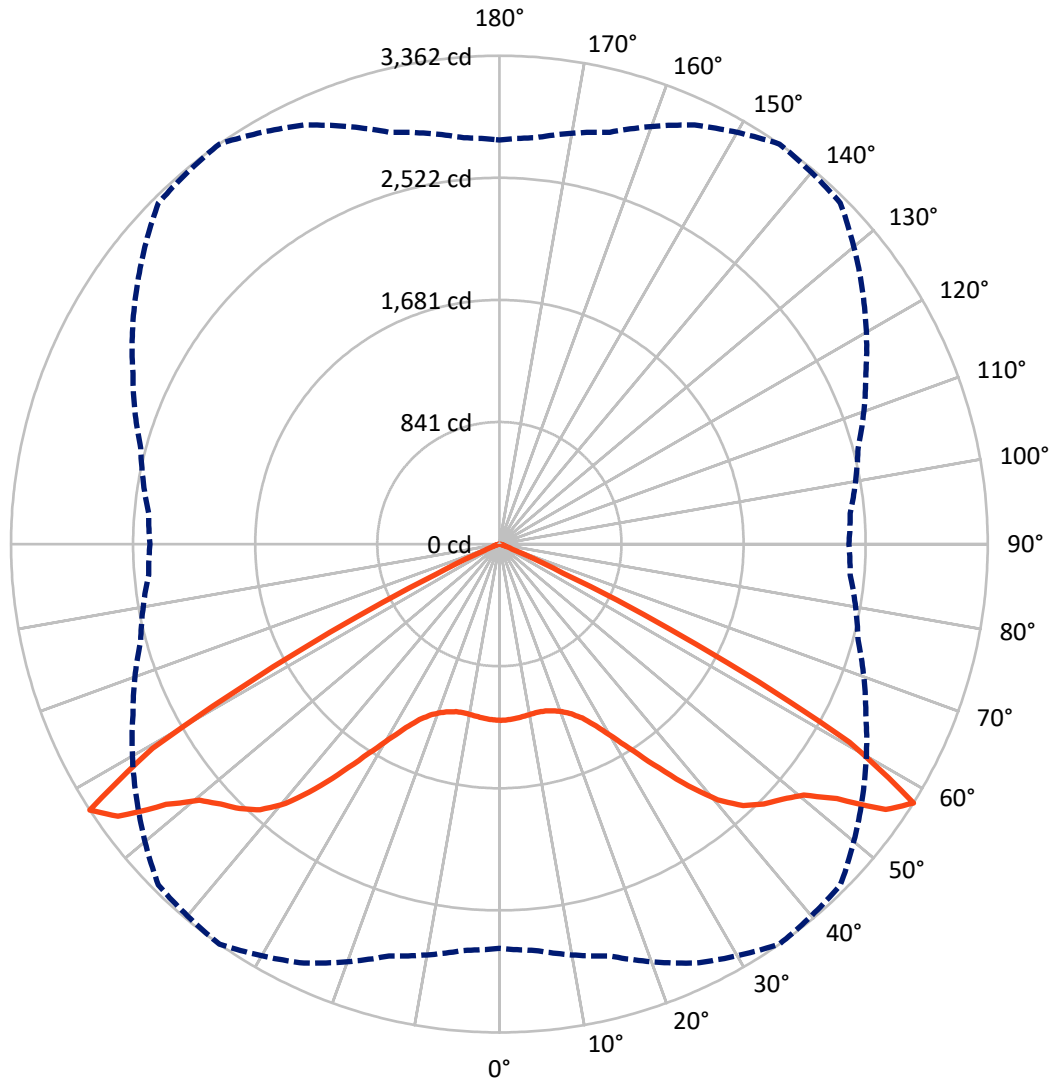
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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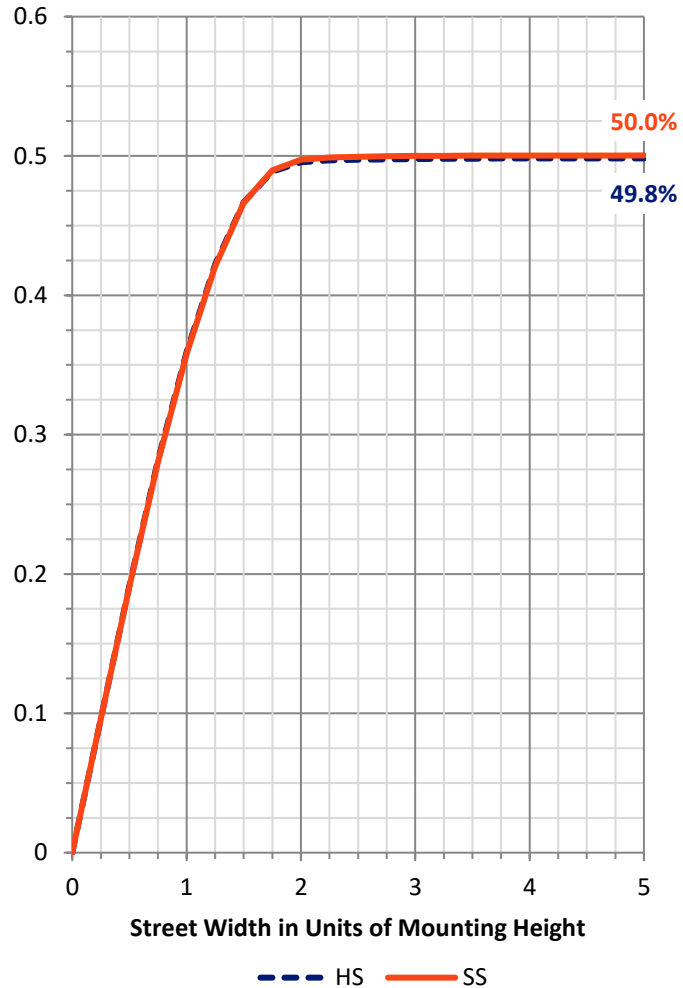
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3650.5	0.0	3650.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3650.5	0.0	3650.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7301.0	0.0	7301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	1.6
10°-20°	336.4	4.6
20°-30°	608.1	8.3
30°-40°	1134.4	15.5
40°-50°	1903.0	26.1
50°-60°	2513.1	34.4
60°-70°	667.4	9.1
70°-80°	23.7	0.3
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°	7301.0	100.0
0°-180°	7301.0	100.0

Coefficient of Utilization



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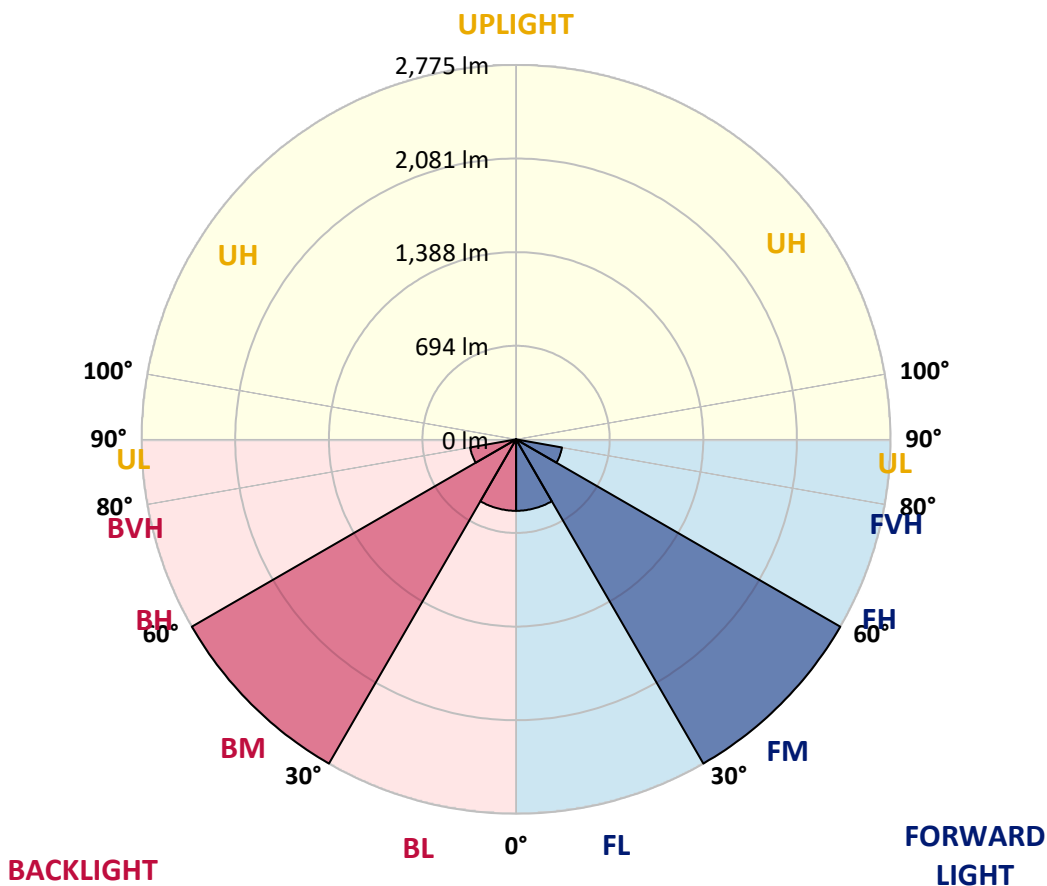
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	529.4	7.3			
FM (30°-60°)	2775.3	38.0			
FH (60°-80°)	345.6	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	529.4	7.3	B2/1000		
BM (30°-60°)	2775.3	38.0	B3/5000		
BH (60°-80°)	345.6	4.7	B1/500		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1213.9	1213.9	1213.9	1213.9	1213.9	1213.9	1213.9	1213.9	1213.9	1213.9	1213.9
2.5°	1205.3	1204.4	1207.9	1210.4	1210.4	1216.4	1214.7	1213.0	1211.3	1208.7	1214.7
5°	1203.6	1202.7	1205.3	1207.0	1205.3	1210.4	1207.0	1203.6	1201.9	1198.4	1205.3
7.5°	1195.9	1196.7	1198.4	1200.2	1197.6	1201.9	1197.6	1192.4	1188.2	1184.7	1190.7
10°	1183.9	1184.7	1186.4	1189.9	1190.7	1196.7	1190.7	1181.3	1175.3	1170.2	1176.2
12.5°	1177.9	1178.7	1181.3	1185.6	1186.4	1194.2	1186.4	1172.7	1164.2	1158.2	1164.2
15°	1179.6	1181.3	1184.7	1189.9	1191.6	1199.3	1189.0	1171.0	1159.0	1151.3	1156.5
17.5°	1185.6	1187.3	1192.4	1201.0	1207.0	1214.7	1201.9	1178.7	1162.5	1151.3	1156.5
20°	1193.3	1195.9	1204.4	1218.1	1231.0	1244.7	1228.4	1196.7	1175.3	1161.6	1165.9
22.5°	1214.7	1217.3	1229.3	1247.3	1268.7	1285.8	1266.1	1225.8	1196.7	1178.7	1183.0
25°	1258.4	1261.0	1276.4	1299.5	1326.9	1349.2	1324.4	1273.8	1236.1	1215.6	1217.3
27.5°	1326.9	1329.5	1347.5	1380.0	1416.9	1448.6	1412.6	1353.5	1310.7	1286.7	1286.7
30°	1413.5	1416.9	1440.9	1484.6	1541.9	1583.9	1535.1	1463.1	1408.3	1375.8	1376.6
32.5°	1524.8	1521.4	1555.7	1615.6	1697.0	1752.7	1680.7	1593.3	1525.7	1480.3	1484.6
35°	1667.9	1667.0	1705.6	1786.9	1893.2	1960.0	1874.3	1761.2	1679.9	1633.6	1634.5
37.5°	1852.1	1851.2	1895.7	1984.0	2111.6	2167.3	2071.4	1956.6	1869.2	1824.6	1829.8
40°	2067.9	2062.8	2102.2	2187.0	2314.6	2350.6	2246.1	2153.6	2069.6	2041.4	2055.1
42.5°	2273.5	2262.4	2285.5	2362.6	2461.1	2466.3	2387.5	2324.1	2266.7	2244.4	2253.0
45°	2438.9	2430.3	2451.7	2496.2	2552.8	2527.1	2489.4	2469.7	2423.4	2399.4	2407.2
47.5°	2562.2	2562.2	2587.9	2615.3	2623.9	2576.8	2582.8	2582.8	2536.5	2498.8	2489.4
50°	2668.4	2676.1	2714.7	2743.0	2714.7	2654.7	2689.0	2682.1	2587.9	2512.5	2492.8
52.5°	2838.0	2845.8	2904.9	2943.4	2911.7	2852.6	2856.9	2771.2	2632.5	2543.4	2512.5
55°	3017.9	3036.8	3122.4	3225.2	3226.1	3165.3	3052.2	2900.6	2731.8	2635.0	2603.3
57.5°	2782.4	2808.1	2935.7	3183.3	3362.3	3320.3	3050.5	2784.1	2556.2	2424.3	2406.3
60°	1914.6	1959.1	2086.8	2425.1	2770.4	2786.6	2468.0	2169.0	1907.7	1745.0	1748.4
62.5°	808.7	854.1	926.0	1204.4	1521.4	1541.1	1386.9	1172.7	959.4	842.1	860.1
65°	190.2	203.0	224.4	333.2	483.1	505.4	466.0	363.2	268.1	227.0	231.3
67.5°	83.1	84.8	80.5	85.7	106.2	108.8	105.4	92.5	87.4	89.1	89.1
70°	58.3	59.1	55.7	53.1	50.5	47.1	48.8	54.0	58.3	61.7	60.8
72.5°	36.0	36.8	37.7	37.7	35.1	31.7	33.4	36.8	37.7	38.5	37.7
75°	18.0	18.8	20.6	21.4	20.6	19.7	19.7	20.6	20.6	19.7	19.7
77.5°	3.4	4.3	6.0	6.9	6.9	6.9	6.9	6.9	7.7	6.9	6.9
80°	0.9	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
82.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
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)