

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: P631421

Luminaire Tested: GWS-SA1F-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631421
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8617.2 lumens
Efficiency: N/A
Efficacy: 128.2 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

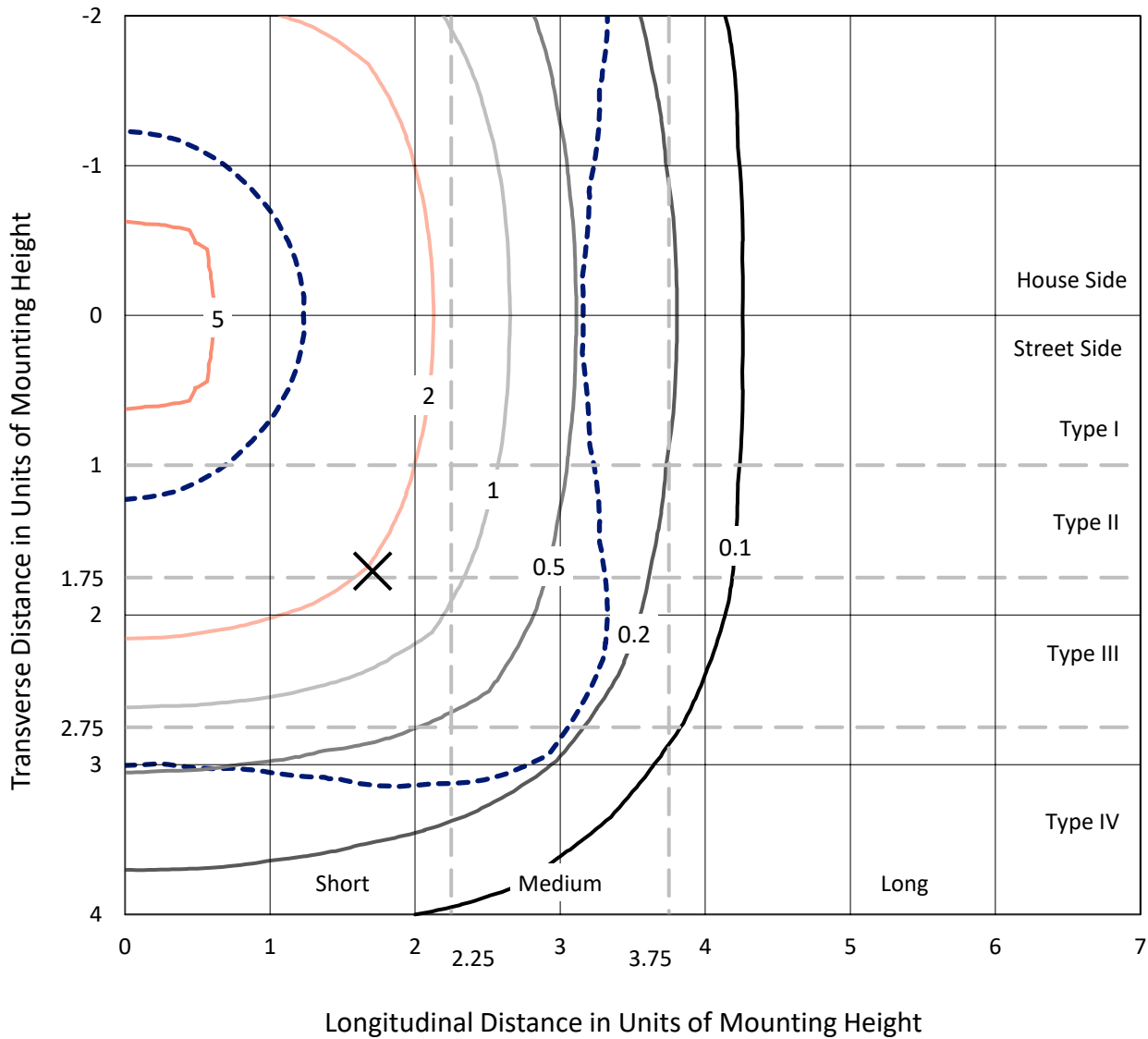
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

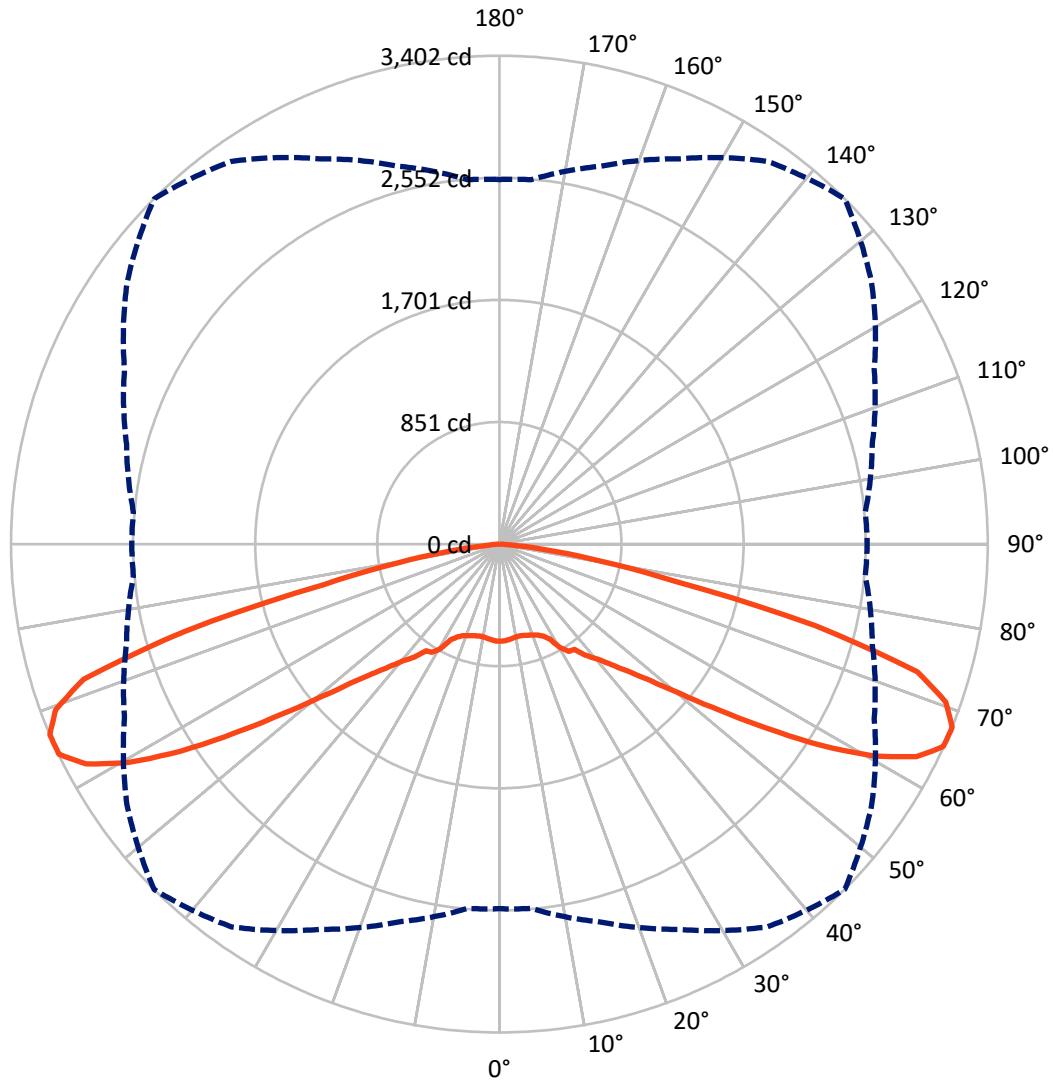
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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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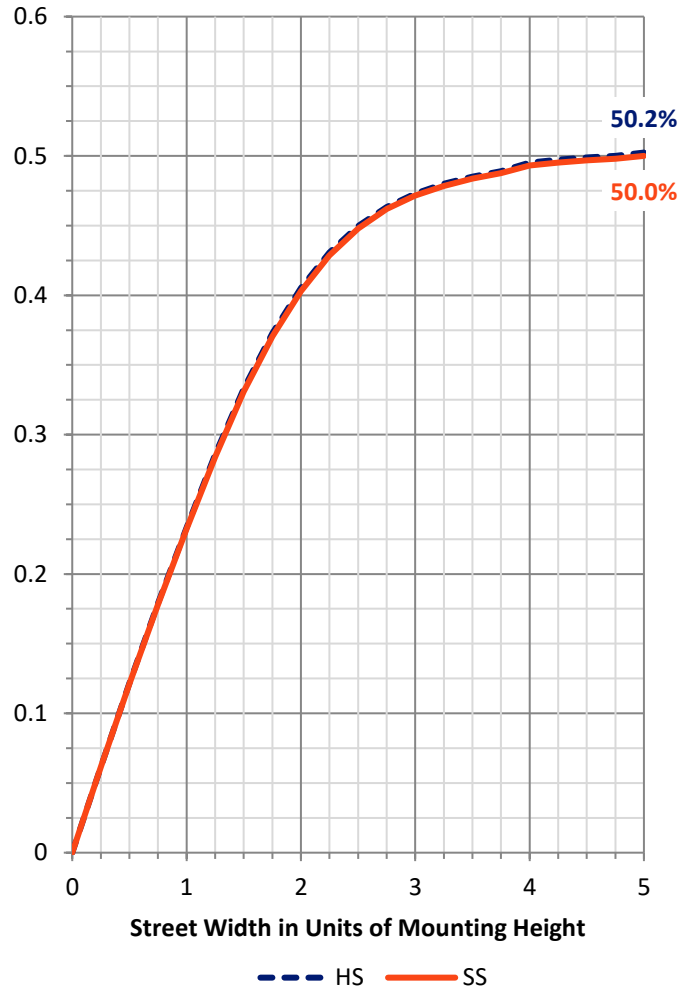
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4308.6	0.0	4308.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4308.6	0.0	4308.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8617.2	0.0	8617.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	0.7
10°-20°	188.3	2.2
20°-30°	337.8	3.9
30°-40°	570.6	6.6
40°-50°	1002.5	11.6
50°-60°	1933.9	22.4
60°-70°	2805.8	32.6
70°-80°	1605.4	18.6
80°-90°	109.6	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°	8617.2	100.0
0°-180°	8617.2	100.0

Coefficient of Utilization



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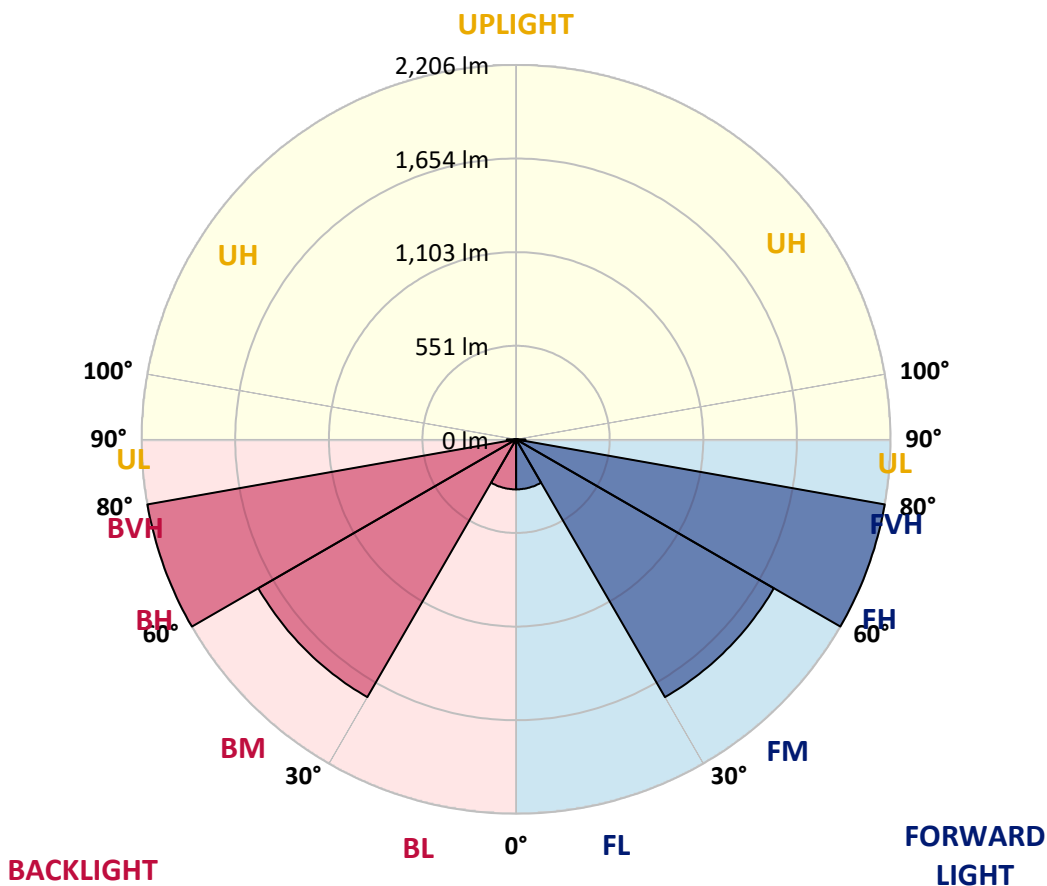
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.8	3.4			
FM (30°-60°)	1753.5	20.3			
FH (60°-80°)	2205.6	25.6			G2/5000
FVH (80°-90°)	54.8	0.6			G1/100
BL (0°-30°)	294.8	3.4	B1/500		
BM (30°-60°)	1753.5	20.3	B2/2500		
BH (60°-80°)	2205.6	25.6	B3/2500		G2/5000
BVH (80°-90°)	54.8	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°	675.8	675.8	675.8	675.8	675.8	675.8	675.8	675.8	675.8	675.8	675.8
2.5°	670.3	670.9	672.1	672.1	673.3	675.2	675.8	674.5	675.2	672.1	675.2
5°	668.5	669.1	669.7	668.5	668.5	669.1	669.1	667.8	668.5	665.4	668.5
7.5°	664.2	664.8	664.8	663.0	661.1	662.4	662.4	661.1	661.7	658.7	662.4
10°	660.5	660.5	659.9	656.3	654.4	656.3	656.9	657.5	659.9	657.5	661.7
12.5°	663.0	663.0	661.1	656.3	653.2	654.4	655.7	656.9	661.1	660.5	665.4
15°	669.7	670.3	665.4	659.9	658.1	659.9	658.7	658.1	663.6	665.4	670.9
17.5°	675.2	675.2	669.1	663.6	664.2	667.2	664.8	661.7	667.2	670.9	677.0
20°	680.0	679.4	672.7	669.1	671.5	675.8	673.9	669.7	673.3	677.6	683.1
22.5°	692.2	691.6	684.3	682.5	684.9	689.2	687.3	683.7	688.0	694.0	700.7
25°	726.9	725.7	714.8	708.7	707.5	710.5	709.9	708.7	715.4	722.7	730.6
27.5°	773.3	772.7	764.7	758.6	750.7	748.3	750.1	755.6	765.3	770.8	777.5
30°	796.4	796.4	795.2	804.9	822.0	838.5	825.7	804.9	796.4	794.0	800.7
32.5°	826.9	829.9	825.7	836.6	865.3	889.6	865.3	831.8	825.7	825.7	833.0
35°	897.0	898.2	891.5	889.6	898.8	901.8	890.3	878.1	884.8	886.0	895.1
37.5°	953.0	953.0	950.0	954.8	973.7	985.3	966.4	944.5	946.3	947.5	959.1
40°	1039.5	1042.0	1034.7	1034.1	1041.4	1051.7	1031.6	1017.6	1027.4	1030.4	1048.1
42.5°	1147.4	1147.4	1136.4	1133.4	1138.3	1149.2	1130.3	1121.2	1134.0	1136.4	1146.8
45°	1276.0	1279.0	1264.4	1258.9	1261.3	1265.0	1251.6	1247.3	1259.5	1265.0	1283.3
47.5°	1432.6	1435.6	1422.8	1422.2	1419.8	1422.2	1409.4	1407.0	1416.7	1412.5	1432.0
50°	1625.7	1631.2	1620.3	1635.5	1633.7	1641.0	1623.3	1610.5	1610.5	1598.9	1609.9
52.5°	1842.1	1853.0	1858.5	1884.1	1903.6	1921.9	1892.6	1872.5	1843.3	1819.5	1849.4
55°	2077.9	2074.8	2109.6	2165.6	2222.9	2266.2	2208.9	2145.5	2098.0	2048.6	2060.2
57.5°	2284.4	2294.8	2340.5	2442.9	2556.2	2647.6	2544.6	2422.8	2314.9	2244.2	2254.0
60°	2456.3	2464.8	2525.7	2673.2	2871.2	2997.4	2834.1	2633.0	2476.4	2378.9	2389.2
62.5°	2614.7	2622.6	2684.2	2846.9	3096.7	3261.2	3050.4	2775.6	2601.3	2503.2	2509.3
65°	2706.1	2711.0	2795.1	2966.3	3229.5	3399.5	3161.9	2878.5	2707.3	2607.4	2611.0
67.5°	2539.8	2547.7	2725.0	2961.4	3255.1	3402.0	3166.8	2881.6	2689.0	2558.6	2561.7
70°	2003.5	1996.8	2208.3	2614.7	3108.3	3299.6	3026.0	2665.3	2367.9	2185.7	2182.7
72.5°	1527.6	1529.5	1647.1	1925.5	2534.3	3044.9	2670.2	2146.1	1825.6	1687.3	1681.8
75°	1107.8	1124.9	1220.5	1424.7	1772.6	2275.9	2010.2	1590.4	1375.9	1293.0	1280.8
77.5°	499.1	521.0	654.4	894.5	1185.2	1257.7	1262.6	1079.8	814.7	677.0	655.7
80°	145.6	156.0	200.5	343.1	552.1	713.5	566.7	476.5	296.8	232.8	221.8
82.5°	61.5	70.1	85.9	95.1	160.3	330.9	206.0	131.0	121.9	98.7	90.2
85°	26.2	28.0	36.0	38.4	51.8	70.7	65.2	59.1	56.7	43.9	40.2
87.5°	11.0	11.0	11.0	9.7	9.1	9.7	13.4	17.1	22.5	17.7	16.5
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)