

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: P631418

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8884 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

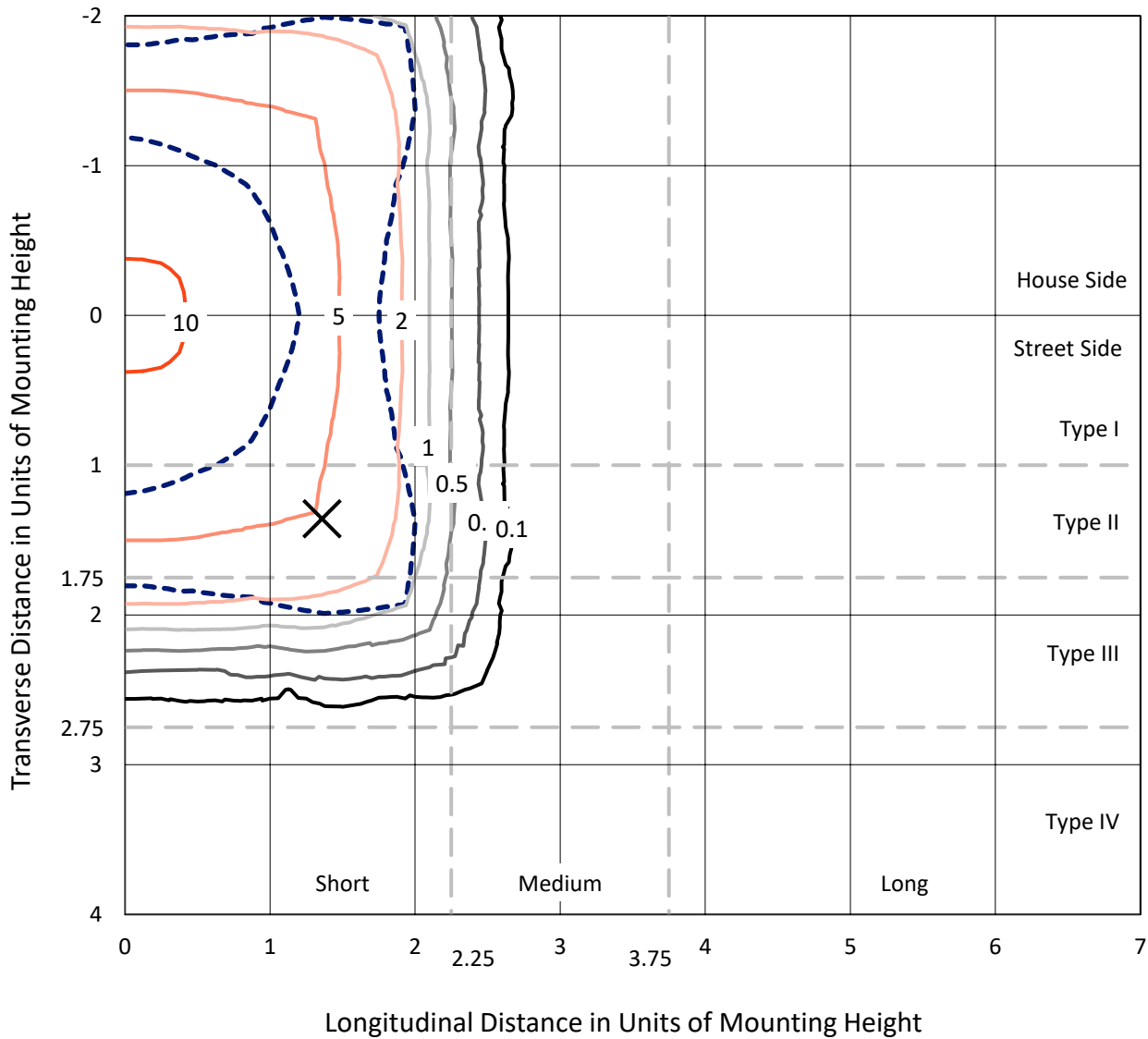
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

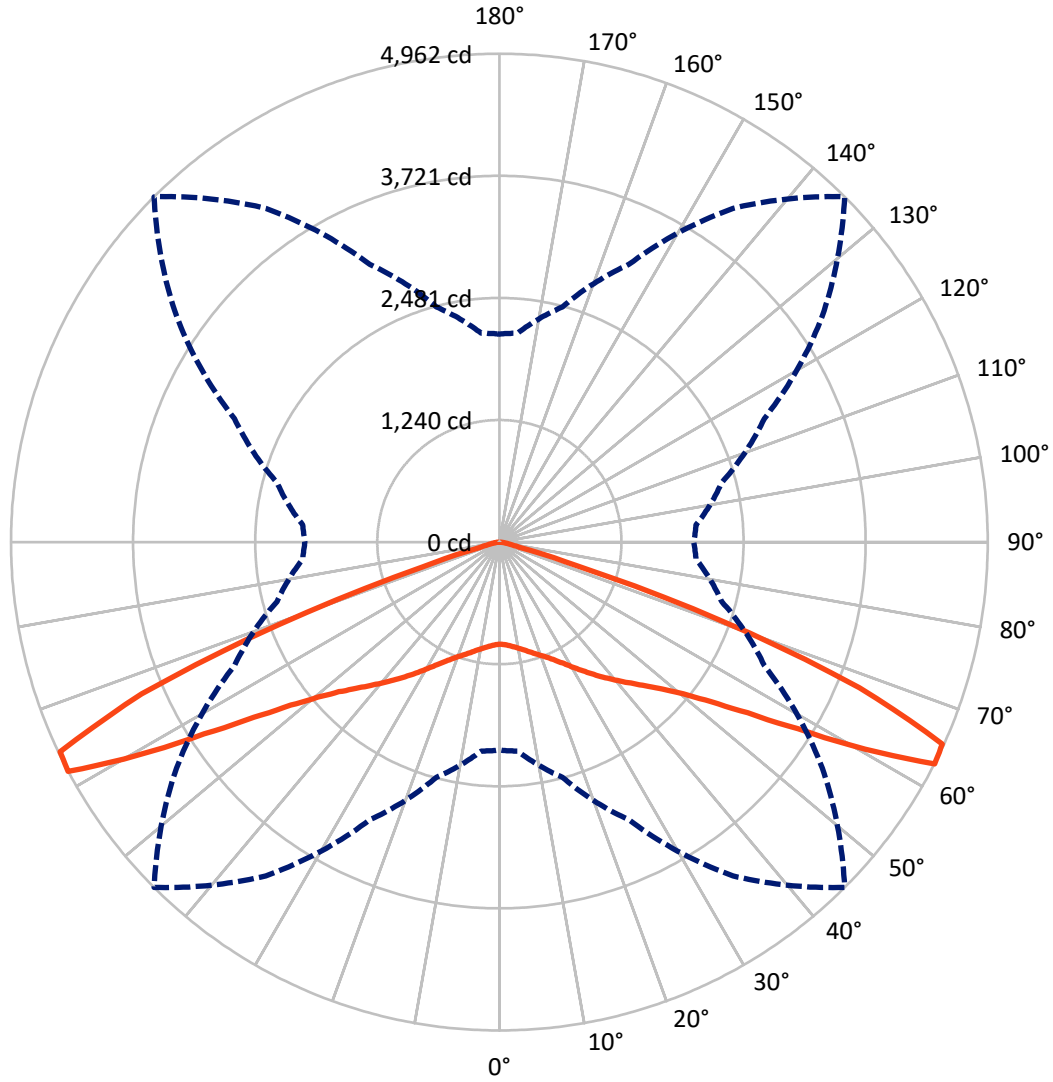
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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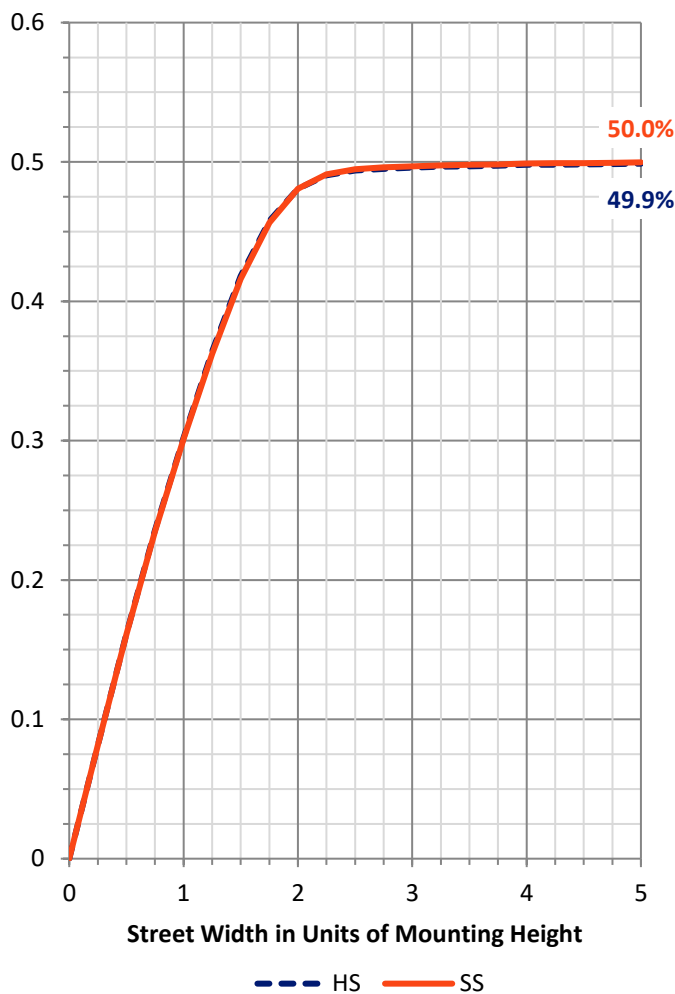
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4442.0	0.0	4442.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4442.0	0.0	4442.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8884.0	0.0	8884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	1.1
10°-20°	327.9	3.7
20°-30°	620.4	7.0
30°-40°	1044.2	11.8
40°-50°	1668.4	18.8
50°-60°	2689.3	30.3
60°-70°	2194.2	24.7
70°-80°	213.1	2.4
80°-90°	24.8	0.3
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°	8884.0	100.0
0°-180°	8884.0	100.0

Coefficient of Utilization



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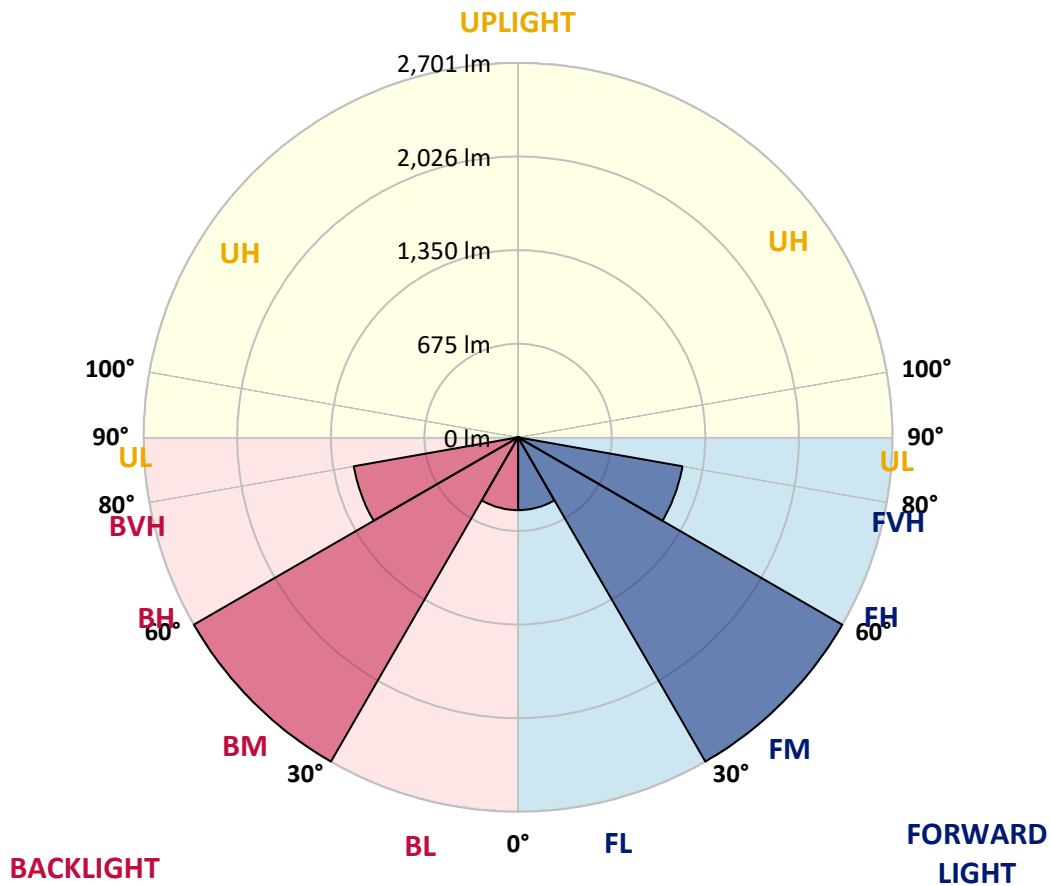
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.0	5.9			
FM (30°-60°)	2701.0	30.4			
FH (60°-80°)	1203.6	13.5			G1/1800
FVH (80°-90°)	12.4	0.1			G1/100
BL (0°-30°)	525.0	5.9	B2/1000		
BM (30°-60°)	2701.0	30.4	B3/5000		
BH (60°-80°)	1203.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	12.4	0.1			G1/100
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°	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4
2.5°	1035.2	1035.2	1037.7	1039.5	1038.3	1043.1	1042.5	1041.3	1040.7	1038.9	1044.4
5°	1049.2	1049.2	1051.1	1052.9	1049.8	1055.9	1053.5	1052.3	1051.7	1049.2	1054.1
7.5°	1065.1	1066.9	1067.5	1070.6	1068.7	1075.4	1073.6	1071.2	1070.0	1066.9	1071.2
10°	1082.7	1084.0	1084.6	1090.1	1090.7	1098.6	1096.8	1093.7	1091.3	1088.2	1094.3
12.5°	1106.5	1107.1	1108.9	1115.6	1117.5	1123.6	1123.0	1118.7	1115.6	1111.4	1118.1
15°	1137.0	1137.6	1140.6	1147.3	1150.4	1157.7	1155.3	1148.6	1144.3	1139.4	1144.9
17.5°	1168.7	1171.1	1174.1	1180.8	1185.1	1193.6	1190.6	1183.3	1179.6	1174.8	1178.4
20°	1209.5	1210.1	1211.9	1219.2	1222.3	1232.0	1232.6	1225.3	1223.5	1218.6	1224.1
22.5°	1254.6	1255.2	1257.0	1264.9	1270.4	1276.5	1280.2	1275.9	1272.9	1266.8	1273.5
25°	1304.5	1310.6	1312.5	1322.2	1328.3	1332.0	1336.2	1334.4	1330.1	1322.8	1325.9
27.5°	1374.6	1375.8	1378.9	1389.8	1393.5	1397.2	1401.4	1402.0	1395.9	1387.4	1391.7
30°	1454.4	1453.8	1460.5	1469.0	1472.1	1475.1	1481.2	1484.9	1477.0	1467.8	1472.1
32.5°	1536.1	1543.4	1551.9	1559.8	1558.0	1559.2	1569.0	1575.7	1564.7	1548.3	1551.9
35°	1628.1	1633.0	1643.9	1655.5	1653.1	1651.2	1657.3	1664.0	1648.8	1627.5	1633.0
37.5°	1722.5	1729.8	1746.3	1760.3	1756.6	1748.1	1754.8	1762.1	1747.5	1723.1	1720.7
40°	1827.9	1839.5	1863.3	1874.9	1865.1	1848.7	1860.2	1877.9	1863.3	1835.2	1828.5
42.5°	1951.6	1965.6	1989.4	2007.1	1985.7	1958.9	1978.4	2004.0	2000.4	1963.2	1951.6
45°	2104.6	2113.7	2142.9	2151.5	2119.8	2082.6	2118.0	2157.0	2147.8	2107.6	2092.4
47.5°	2270.9	2284.9	2310.5	2326.4	2275.2	2228.9	2278.2	2330.6	2320.9	2283.1	2265.4
50°	2482.9	2501.2	2534.7	2548.1	2477.5	2424.4	2487.8	2554.2	2535.3	2484.8	2461.6
52.5°	2713.9	2728.5	2785.8	2812.6	2746.2	2688.9	2744.3	2809.5	2769.3	2702.3	2671.2
55°	2917.4	2932.0	3016.1	3105.1	3102.0	3062.4	3090.4	3091.6	2982.6	2871.7	2838.8
57.5°	2961.3	2975.9	3136.1	3368.9	3533.4	3579.1	3496.8	3323.8	3049.0	2854.6	2817.5
60°	2727.3	2743.7	2998.4	3423.7	3964.8	4270.1	3891.1	3318.9	2843.7	2580.4	2545.1
62.5°	2113.1	2130.8	2473.2	3111.8	4139.1	4961.6	4005.6	2969.8	2339.1	2005.9	1974.8
65°	1009.0	1009.0	1444.1	2231.9	3791.7	4945.2	3674.1	2197.2	1408.1	1081.5	1054.7
67.5°	249.8	251.0	371.7	868.9	2579.2	3946.5	2621.3	1054.7	496.0	351.0	341.8
70°	156.0	155.4	172.4	235.2	902.4	2395.2	1071.8	318.1	201.7	177.9	176.7
72.5°	121.3	121.3	129.8	150.5	236.4	815.9	312.6	176.7	146.2	131.6	131.6
75°	95.7	95.7	101.8	112.7	139.5	210.2	166.3	131.0	113.3	103.6	102.4
77.5°	71.3	72.5	77.4	84.7	95.1	118.2	105.4	98.7	88.4	81.0	78.6
80°	46.3	48.1	54.2	58.5	62.1	78.0	68.9	71.9	67.0	58.5	57.3
82.5°	25.0	25.6	32.9	34.1	35.3	42.7	43.9	45.7	47.5	37.2	34.7
85°	9.1	9.1	11.0	12.8	14.0	15.2	20.7	25.6	26.8	21.3	20.7
87.5°	1.8	1.8	1.8	1.2	1.2	1.2	3.7	6.7	11.0	8.5	8.5
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)