

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: P633841

Luminaire Tested: GWS-SA2F-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633841
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-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16823.3 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

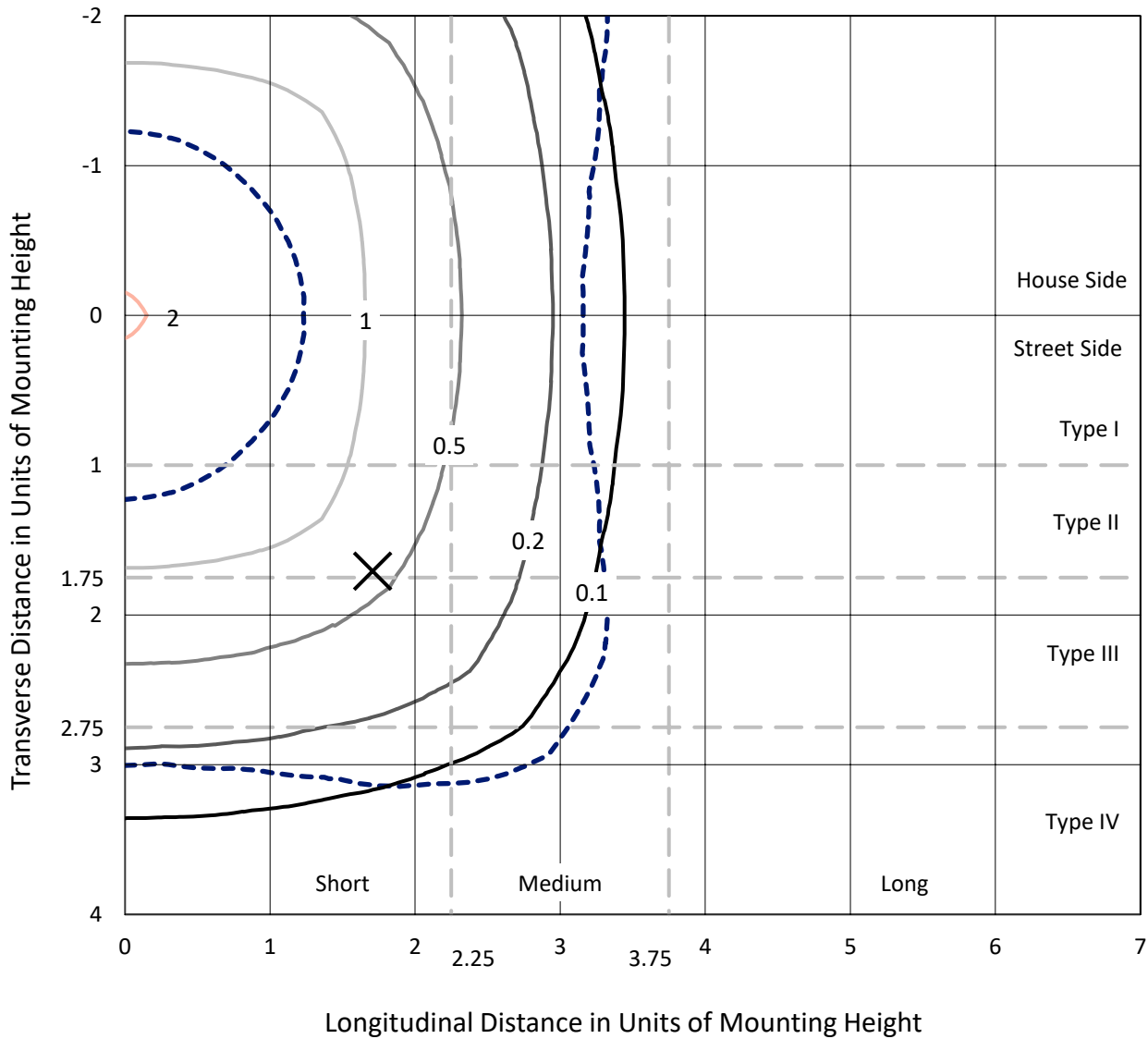
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

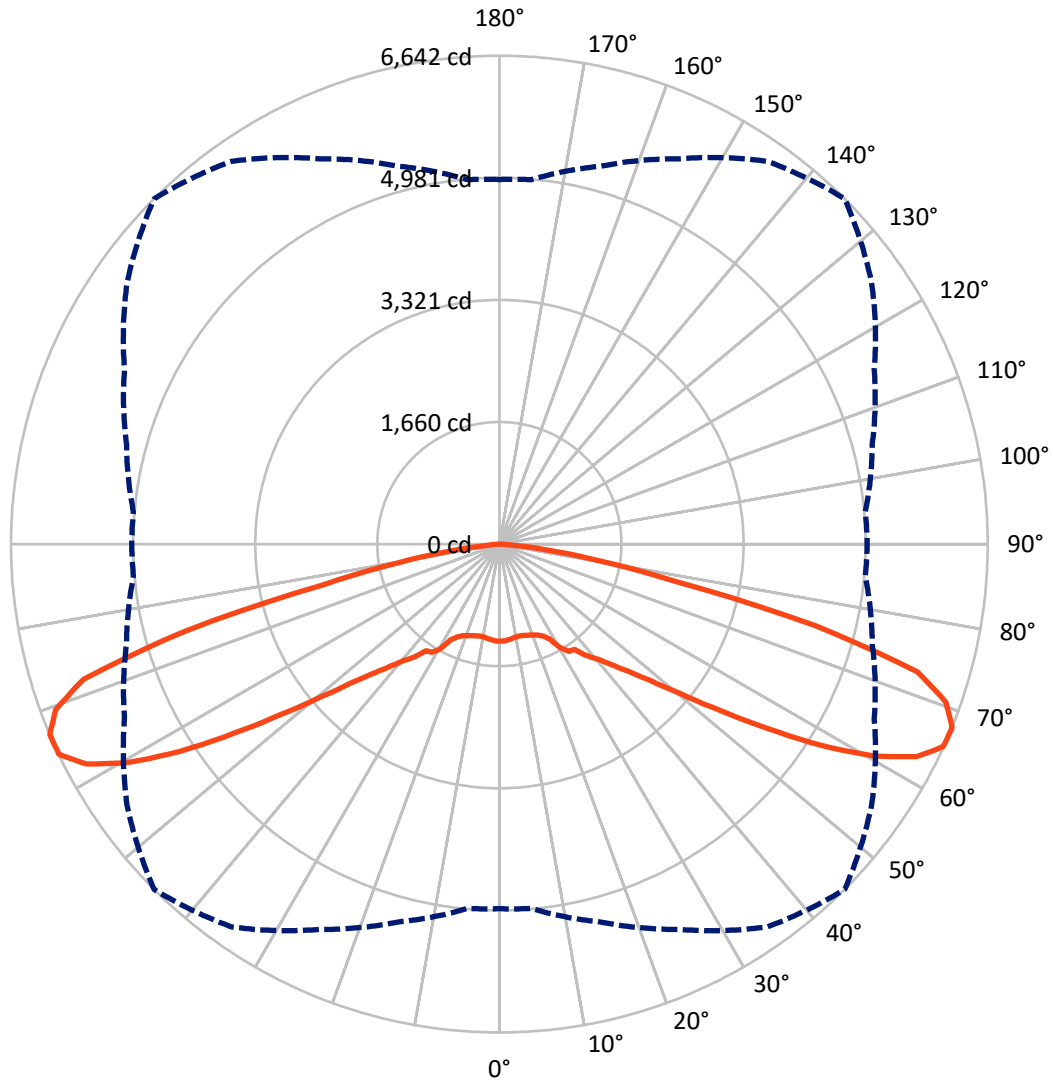
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	8411.7	0.0	8411.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8411.7	0.0	8411.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16823.3	0.0	16823.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	0.7
10°-20°	367.6	2.2
20°-30°	659.4	3.9
30°-40°	1113.9	6.6
40°-50°	1957.2	11.6
50°-60°	3775.5	22.4
60°-70°	5477.8	32.6
70°-80°	3134.1	18.6
80°-90°	213.9	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°	16823.3	100.0
0°-180°	16823.3	100.0

Coefficient of Utilization



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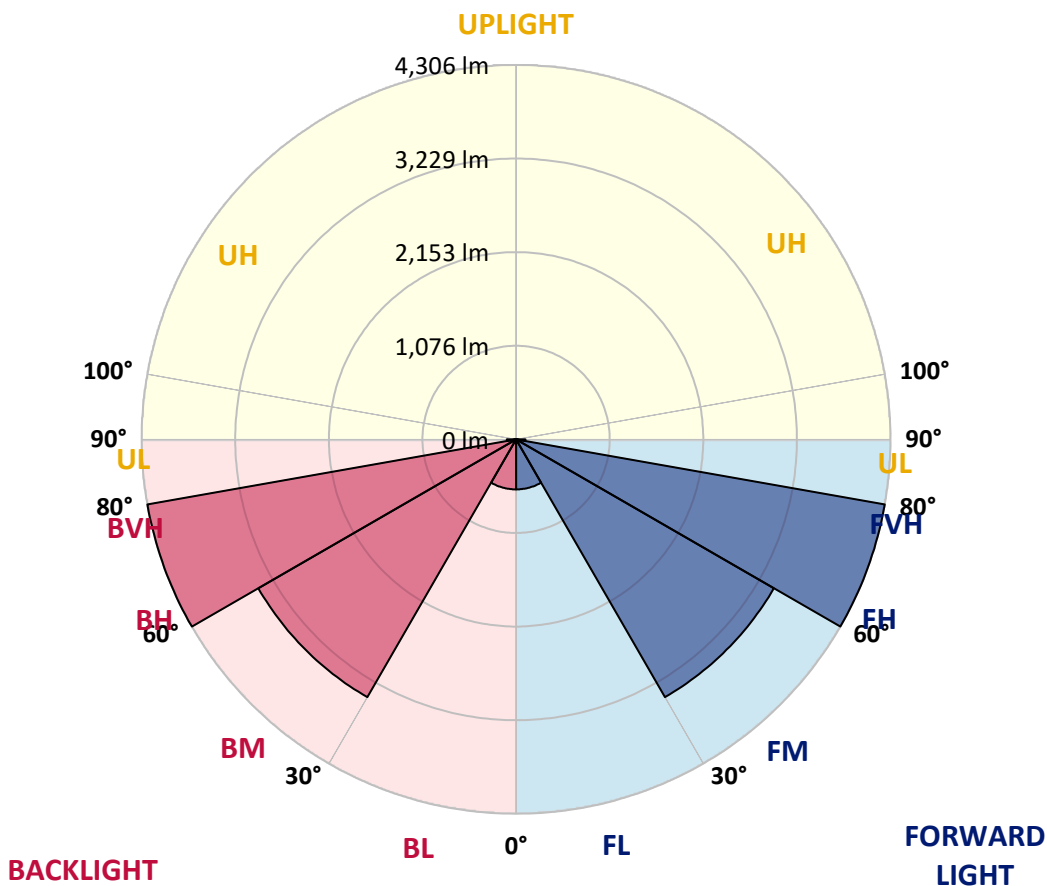
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.4	3.4			
FM (30°-60°)	3423.3	20.3			
FH (60°-80°)	4305.9	25.6			G2/5000
FVH (80°-90°)	106.9	0.6			G2/225
BL (0°-30°)	575.4	3.4	B2/1000		
BM (30°-60°)	3423.3	20.3	B3/5000		
BH (60°-80°)	4305.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	106.9	0.6			G2/225
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°	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3	1319.3
2.5°	1308.6	1309.8	1312.2	1312.2	1314.5	1318.1	1319.3	1316.9	1318.1	1312.2	1318.1
5°	1305.0	1306.2	1307.4	1305.0	1305.0	1306.2	1306.2	1303.8	1305.0	1299.1	1305.0
7.5°	1296.7	1297.9	1297.9	1294.3	1290.7	1293.1	1293.1	1290.7	1291.9	1286.0	1293.1
10°	1289.5	1289.5	1288.4	1281.2	1277.7	1281.2	1282.4	1283.6	1288.4	1283.6	1291.9
12.5°	1294.3	1294.3	1290.7	1281.2	1275.3	1277.7	1280.0	1282.4	1290.7	1289.5	1299.1
15°	1307.4	1308.6	1299.1	1288.4	1284.8	1288.4	1286.0	1284.8	1295.5	1299.1	1309.8
17.5°	1318.1	1318.1	1306.2	1295.5	1296.7	1302.6	1297.9	1291.9	1302.6	1309.8	1321.7
20°	1327.6	1326.4	1313.3	1306.2	1311.0	1319.3	1315.7	1307.4	1314.5	1322.9	1333.6
22.5°	1351.4	1350.2	1335.9	1332.4	1337.1	1345.5	1341.9	1334.8	1343.1	1355.0	1368.1
25°	1419.2	1416.8	1395.4	1383.5	1381.2	1387.1	1385.9	1383.5	1396.6	1410.9	1426.4
27.5°	1509.6	1508.4	1493.0	1481.1	1465.6	1460.9	1464.4	1475.1	1494.2	1504.9	1518.0
30°	1554.8	1554.8	1552.5	1571.5	1604.8	1636.9	1611.9	1571.5	1554.8	1550.1	1563.2
32.5°	1614.3	1620.3	1611.9	1633.4	1689.3	1736.8	1689.3	1623.8	1611.9	1611.9	1626.2
35°	1751.1	1753.5	1740.4	1736.8	1754.7	1760.6	1738.0	1714.2	1727.3	1729.7	1747.6
37.5°	1860.6	1860.6	1854.6	1864.1	1901.0	1923.6	1886.7	1843.9	1847.5	1849.9	1872.5
40°	2029.5	2034.3	2020.0	2018.8	2033.1	2053.3	2014.0	1986.7	2005.7	2011.6	2046.1
42.5°	2240.1	2240.1	2218.6	2212.7	2222.2	2243.6	2206.7	2188.9	2213.9	2218.6	2238.9
45°	2491.1	2497.0	2468.5	2457.8	2462.5	2469.7	2443.5	2435.2	2458.9	2469.7	2505.3
47.5°	2796.8	2802.7	2777.8	2776.6	2771.8	2776.6	2751.6	2746.8	2765.9	2757.5	2795.6
50°	3173.9	3184.6	3163.2	3192.9	3189.4	3203.7	3169.2	3144.2	3144.2	3121.6	3143.0
52.5°	3596.2	3617.6	3628.3	3678.3	3716.4	3752.1	3695.0	3655.7	3598.6	3552.2	3610.5
55°	4056.6	4050.7	4118.5	4227.9	4339.7	4424.2	4312.4	4188.7	4095.9	3999.5	4022.1
57.5°	4459.9	4480.1	4569.3	4769.2	4990.5	5168.9	4967.9	4729.9	4519.4	4381.4	4400.4
60°	4795.4	4812.0	4931.0	5218.9	5605.5	5851.7	5532.9	5140.4	4834.6	4644.3	4664.5
62.5°	5104.7	5120.1	5240.3	5557.9	6045.7	6366.9	5955.2	5418.7	5078.5	4887.0	4898.9
65°	5283.1	5292.6	5456.8	5791.1	6305.0	6636.9	6172.9	5619.8	5285.5	5090.4	5097.5
67.5°	4958.3	4973.8	5320.0	5781.6	6355.0	6641.7	6182.5	5625.7	5249.8	4995.2	5001.2
70°	3911.5	3898.4	4311.2	5104.7	6068.3	6441.8	5907.7	5203.4	4622.9	4267.2	4261.2
72.5°	2982.4	2985.9	3215.5	3759.2	4947.6	5944.5	5212.9	4189.8	3564.1	3294.1	3283.4
75°	2162.7	2196.0	2382.8	2781.3	3460.6	4443.2	3924.6	3104.9	2686.2	2524.4	2500.6
77.5°	974.3	1017.1	1277.7	1746.4	2313.8	2455.4	2464.9	2108.0	1590.5	1321.7	1280.0
80°	284.3	304.5	391.4	669.8	1077.8	1393.0	1106.3	930.3	579.3	454.4	433.0
82.5°	120.2	136.8	167.7	185.6	312.9	646.0	402.1	255.8	237.9	192.7	176.1
85°	51.2	54.7	70.2	74.9	101.1	138.0	127.3	115.4	110.6	85.7	78.5
87.5°	21.4	21.4	21.4	19.0	17.8	19.0	26.2	33.3	44.0	34.5	32.1
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)