

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: P633896

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633896
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16592.8 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

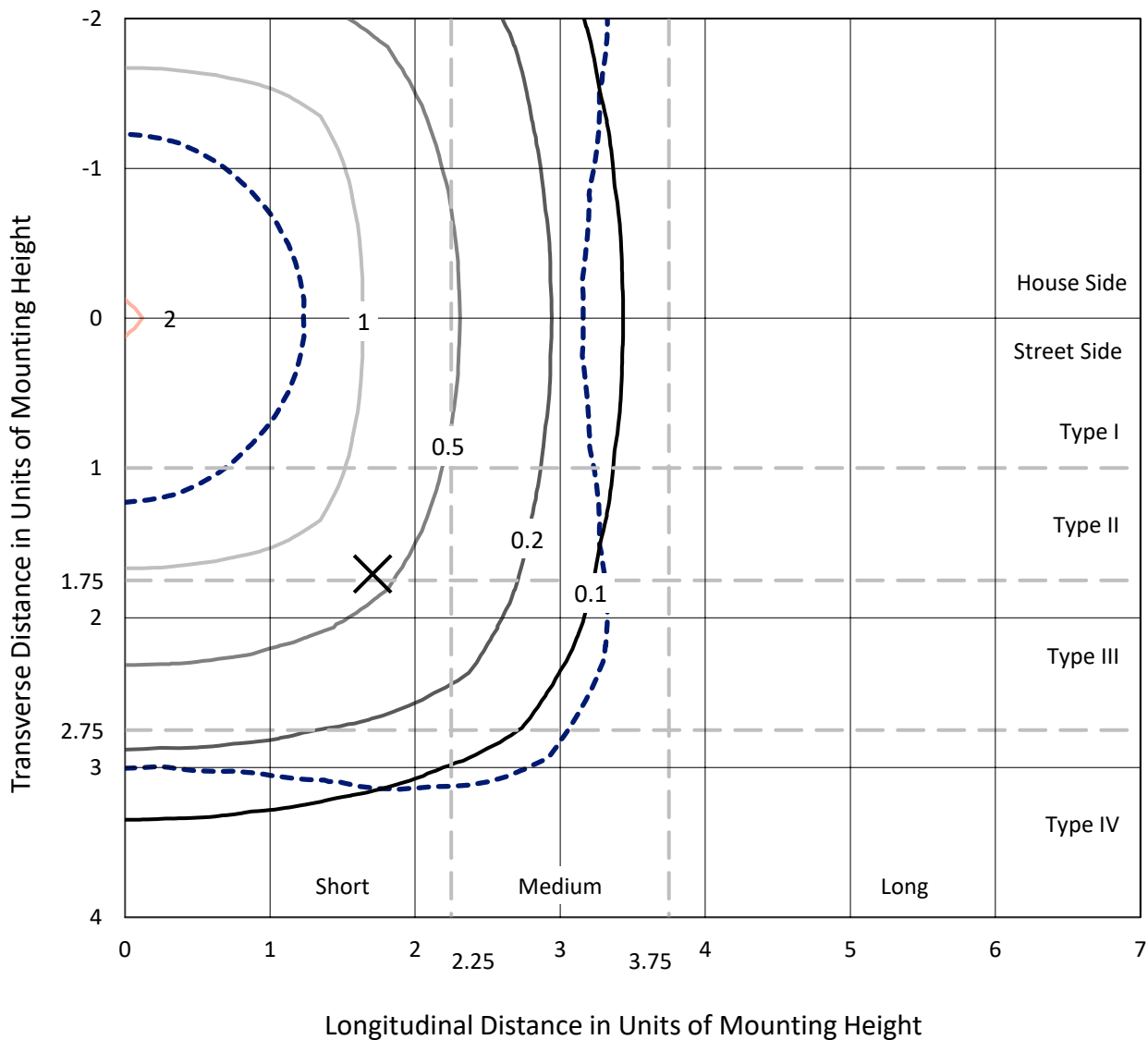
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

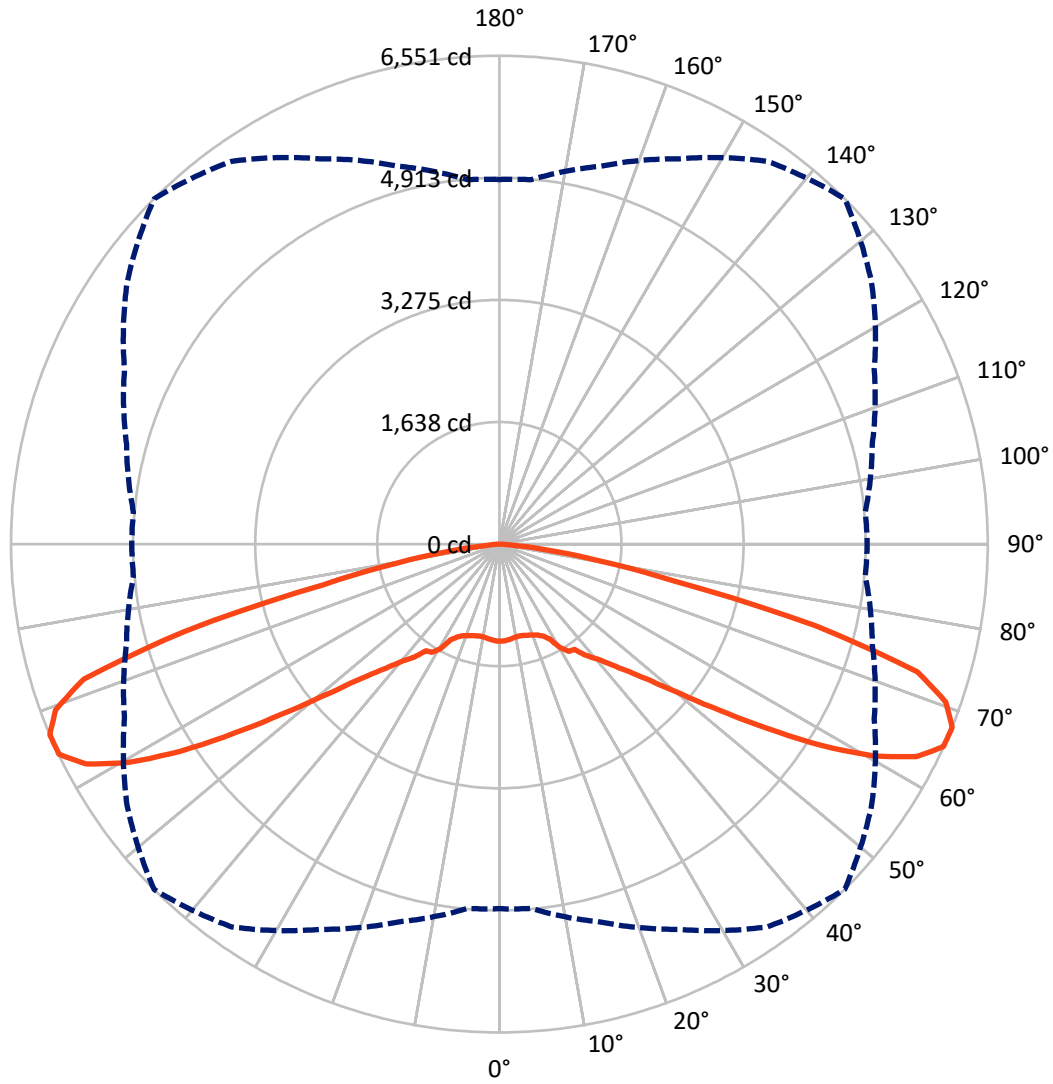
✕ Max cd
 - - - 1/2 Max cd



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	8296.4	0.0	8296.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8296.4	0.0	8296.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	16592.8	0.0	16592.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	0.7
10°-20°	362.6	2.2
20°-30°	650.4	3.9
30°-40°	1098.7	6.6
40°-50°	1930.4	11.6
50°-60°	3723.8	22.4
60°-70°	5402.7	32.6
70°-80°	3091.2	18.6
80°-90°	211.0	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°	16592.8	100.0
0°-180°	16592.8	100.0

Coefficient of Utilization



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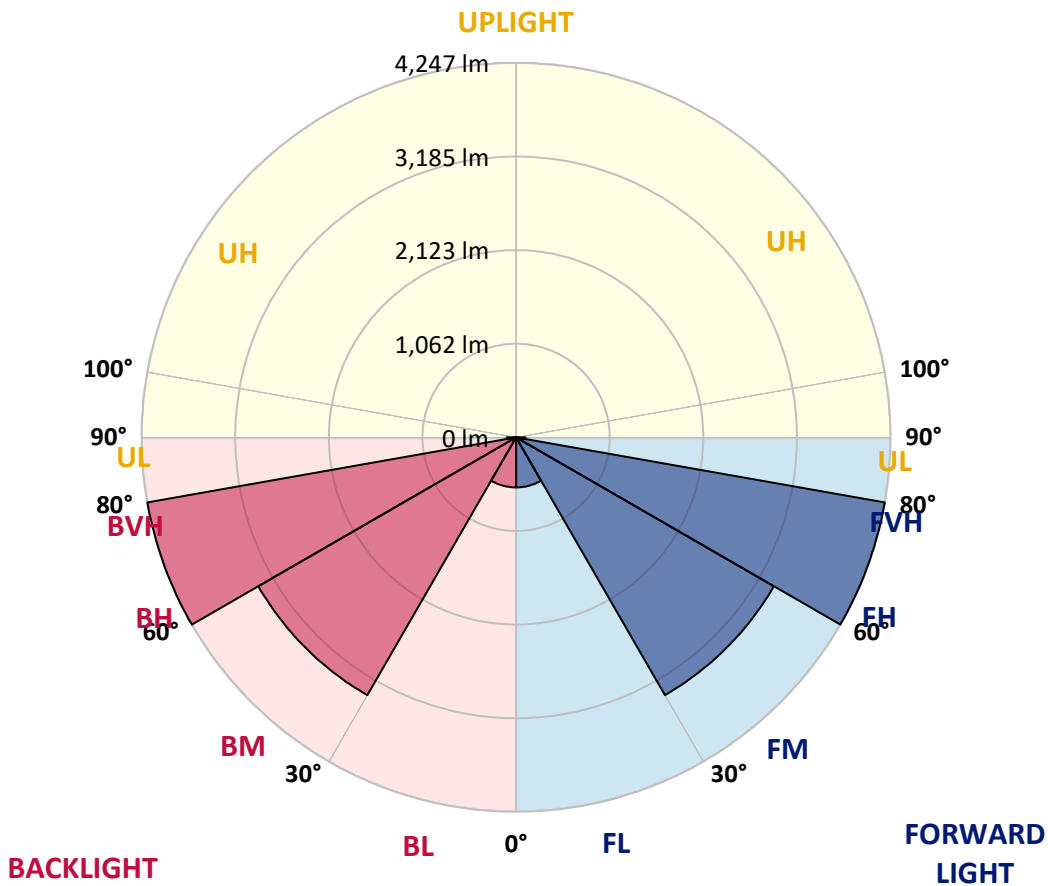
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.6	3.4			
FM (30°-60°)	3376.4	20.3			
FH (60°-80°)	4246.9	25.6			G2/5000
FVH (80°-90°)	105.5	0.6			G2/225
BL (0°-30°)	567.6	3.4	B2/1000		
BM (30°-60°)	3376.4	20.3	B3/5000		
BH (60°-80°)	4246.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	105.5	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°	1301.2	1301.2	1301.2	1301.2	1301.2	1301.2	1301.2	1301.2	1301.2	1301.2	1301.2
2.5°	1290.7	1291.8	1294.2	1294.2	1296.5	1300.0	1301.2	1298.9	1300.0	1294.2	1300.0
5°	1287.1	1288.3	1289.5	1287.1	1287.1	1288.3	1288.3	1286.0	1287.1	1281.3	1287.1
7.5°	1278.9	1280.1	1280.1	1276.6	1273.1	1275.4	1275.4	1273.1	1274.2	1268.4	1275.4
10°	1271.9	1271.9	1270.7	1263.7	1260.1	1263.7	1264.8	1266.0	1270.7	1266.0	1274.2
12.5°	1276.6	1276.6	1273.1	1263.7	1257.8	1260.1	1262.5	1264.8	1273.1	1271.9	1281.3
15°	1289.5	1290.7	1281.3	1270.7	1267.2	1270.7	1268.4	1267.2	1277.7	1281.3	1291.8
17.5°	1300.0	1300.0	1288.3	1277.7	1278.9	1284.8	1280.1	1274.2	1284.8	1291.8	1303.6
20°	1309.4	1308.3	1295.3	1288.3	1293.0	1301.2	1297.7	1289.5	1296.5	1304.7	1315.3
22.5°	1332.9	1331.7	1317.6	1314.1	1318.8	1327.0	1323.5	1316.5	1324.7	1336.4	1349.3
25°	1399.8	1397.4	1376.3	1364.6	1362.2	1368.1	1366.9	1364.6	1377.5	1391.6	1406.8
27.5°	1488.9	1487.8	1472.5	1460.8	1445.5	1440.8	1444.4	1454.9	1473.7	1484.3	1497.2
30°	1533.5	1533.5	1531.2	1550.0	1582.8	1614.5	1589.9	1550.0	1533.5	1528.8	1541.7
32.5°	1592.2	1598.1	1589.9	1611.0	1666.1	1713.1	1666.1	1601.6	1589.9	1589.9	1603.9
35°	1727.1	1729.5	1716.6	1713.1	1730.7	1736.5	1714.2	1690.8	1703.7	1706.0	1723.6
37.5°	1835.1	1835.1	1829.2	1838.6	1875.0	1897.3	1860.9	1818.6	1822.2	1824.5	1846.8
40°	2001.7	2006.4	1992.3	1991.1	2005.2	2025.2	1986.4	1959.4	1978.2	1984.1	2018.1
42.5°	2209.4	2209.4	2188.2	2182.4	2191.8	2212.9	2176.5	2158.9	2183.6	2188.2	2208.2
45°	2456.9	2462.8	2434.6	2424.1	2428.8	2435.8	2410.0	2401.8	2425.3	2435.8	2471.0
47.5°	2758.5	2764.3	2739.7	2738.5	2733.8	2738.5	2713.9	2709.2	2728.0	2719.8	2757.3
50°	3130.4	3141.0	3119.9	3149.2	3145.7	3159.8	3125.7	3101.1	3101.1	3078.8	3099.9
52.5°	3547.0	3568.1	3578.6	3627.9	3665.5	3700.7	3644.3	3605.6	3549.3	3503.5	3561.0
55°	4001.0	3995.2	4062.0	4170.0	4280.3	4363.6	4253.3	4131.3	4039.7	3944.7	3967.0
57.5°	4398.8	4418.7	4506.7	4703.8	4922.1	5098.1	4899.8	4665.1	4457.5	4321.3	4340.1
60°	4729.7	4746.1	4863.4	5147.4	5528.7	5771.6	5457.1	5069.9	4768.4	4580.6	4600.6
62.5°	5034.7	5050.0	5168.5	5481.8	5962.8	6279.6	5873.7	5344.5	5008.9	4820.0	4831.7
65°	5210.7	5220.1	5382.0	5711.7	6218.6	6546.0	6088.4	5542.8	5213.1	5020.6	5027.7
67.5°	4890.4	4905.7	5247.1	5702.3	6267.9	6550.7	6097.8	5548.6	5177.9	4926.8	4932.6
70°	3857.9	3845.0	4252.1	5034.7	5985.1	6353.5	5826.7	5132.1	4559.5	4208.7	4202.8
72.5°	2941.5	2945.0	3171.5	3707.7	4879.8	5863.1	5141.5	4132.4	3515.3	3248.9	3238.4
75°	2133.1	2166.0	2350.2	2743.2	3413.2	4382.4	3870.8	3062.4	2649.4	2489.8	2466.3
77.5°	961.0	1003.2	1260.1	1722.4	2282.1	2421.7	2431.1	2079.1	1568.7	1303.6	1262.5
80°	280.4	300.4	386.0	660.6	1063.0	1374.0	1091.2	917.5	571.4	448.2	427.1
82.5°	118.5	134.9	165.4	183.0	308.6	637.1	396.6	252.3	234.7	190.1	173.7
85°	50.5	54.0	69.2	73.9	99.7	136.1	125.5	113.8	109.1	84.5	77.4
87.5°	21.1	21.1	21.1	18.8	17.6	18.8	25.8	32.9	43.4	34.0	31.7
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)