

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: P636039

Luminaire Tested: GWS-SA3F-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9478 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

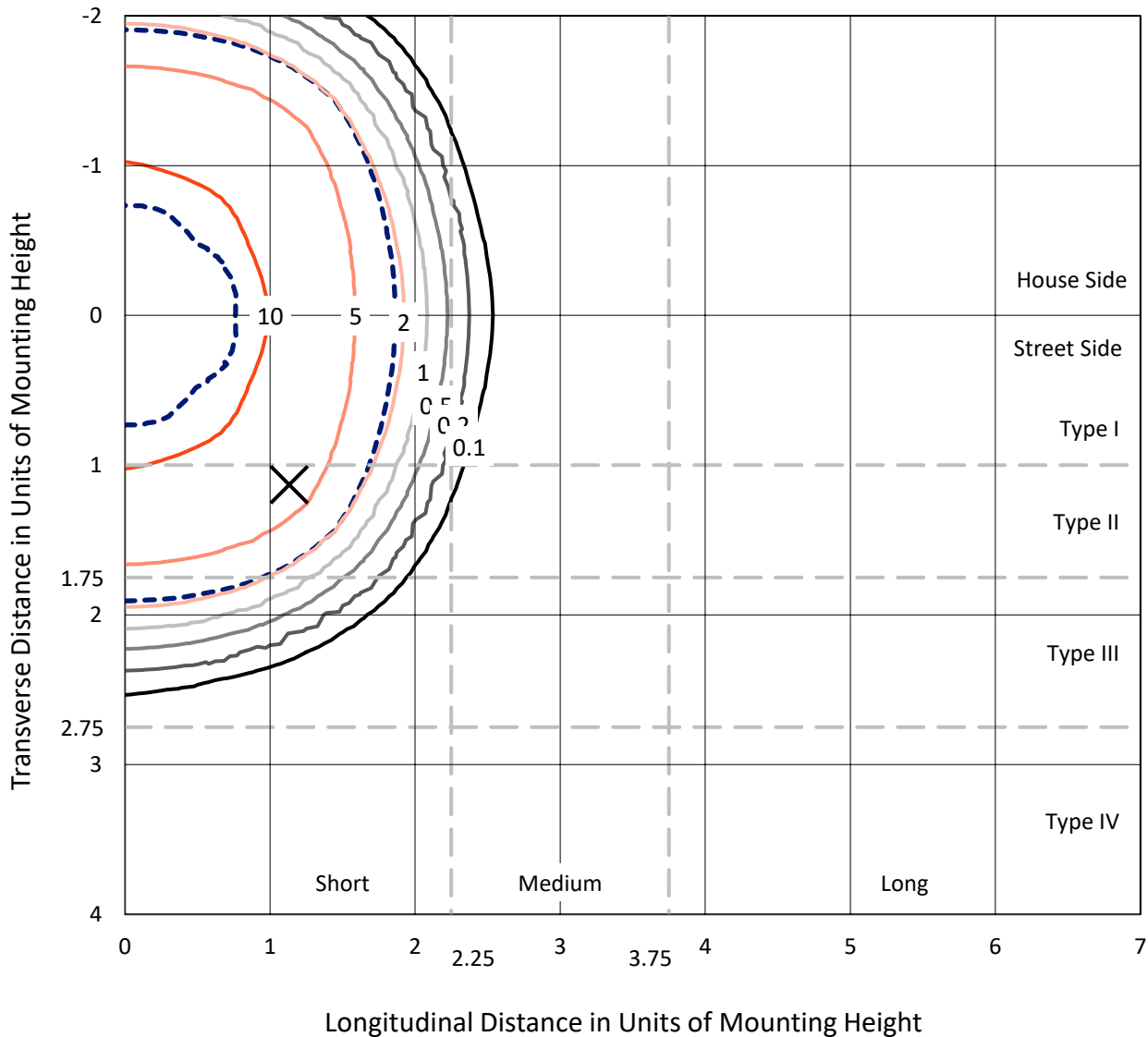
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

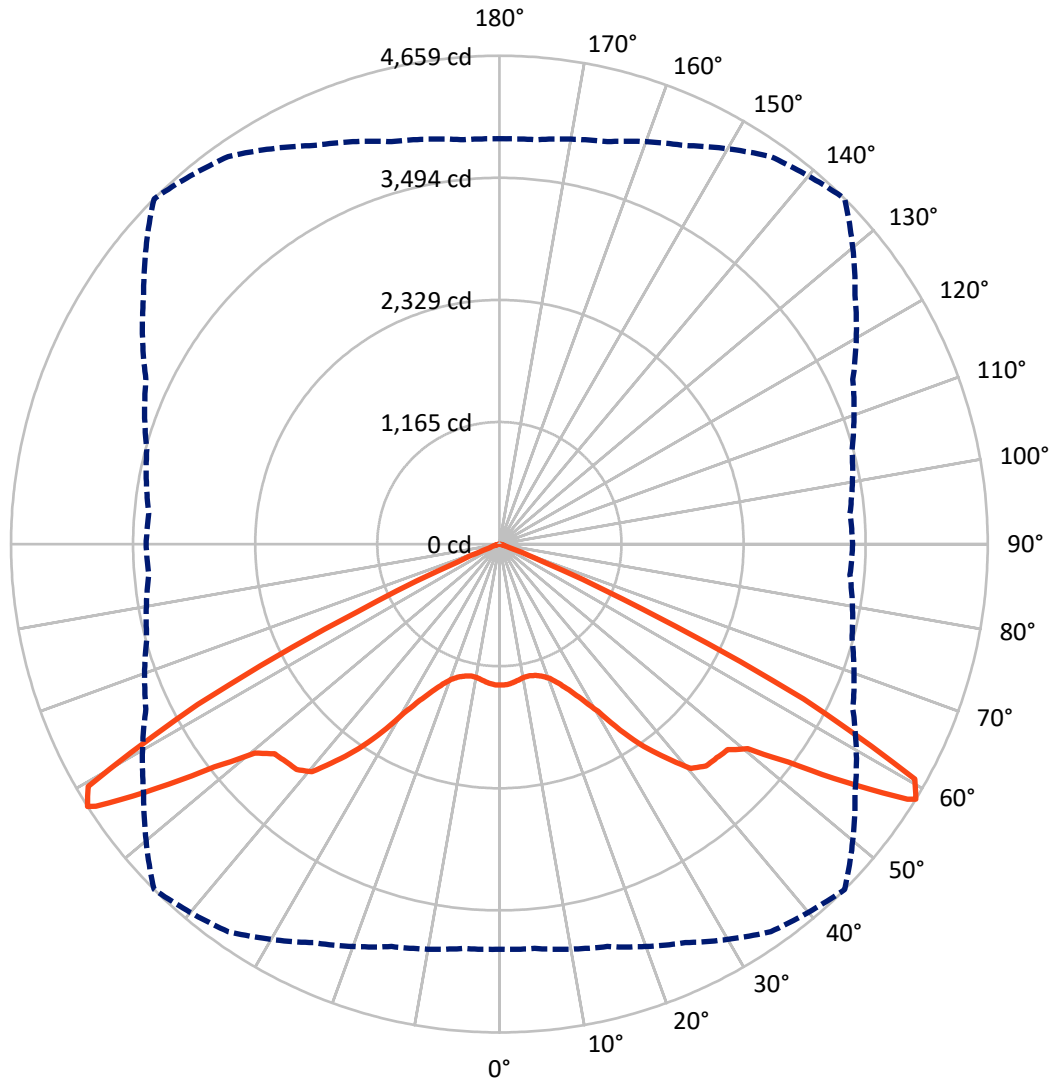
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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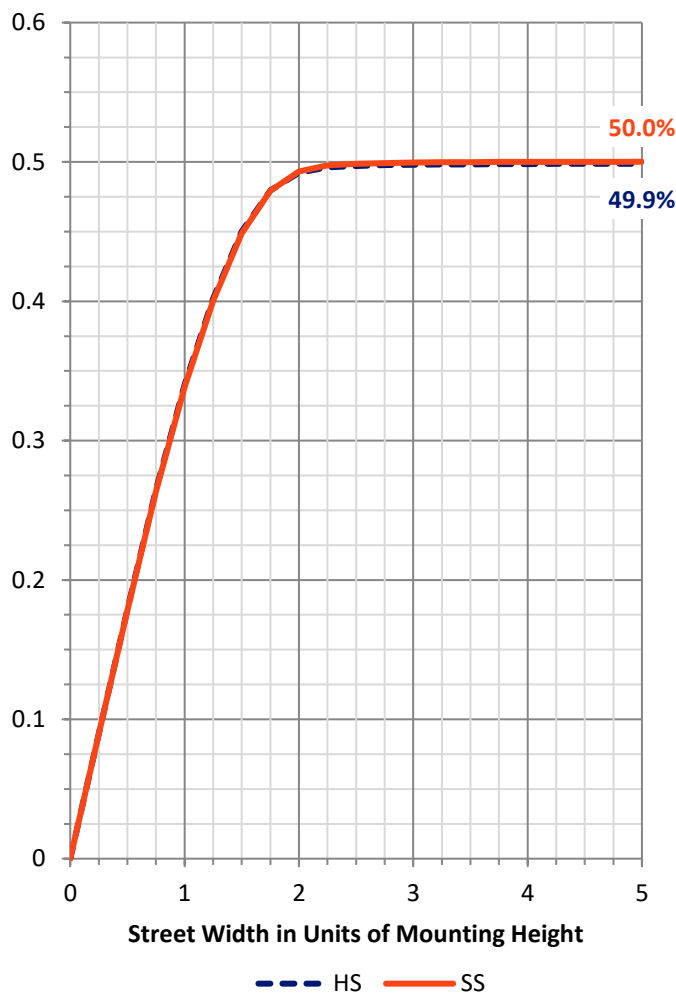
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4739.0	0.0	4739.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4739.0	0.0	4739.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9478.0	0.0	9478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	1.3
10°-20°	371.1	3.9
20°-30°	701.8	7.4
30°-40°	1384.1	14.6
40°-50°	2190.3	23.1
50°-60°	3219.6	34.0
60°-70°	1437.1	15.2
70°-80°	48.1	0.5
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°	9478.0	100.0
0°-180°	9478.0	100.0

Coefficient of Utilization



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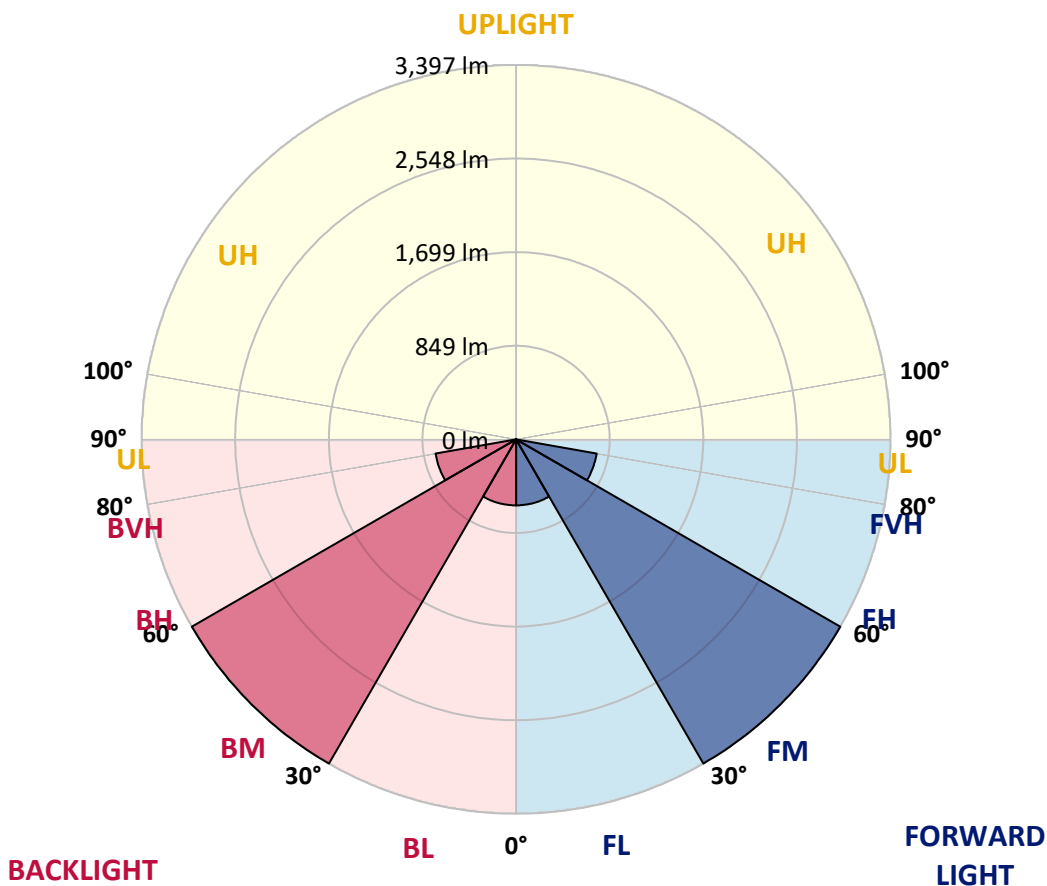
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.1	6.3			
FM (30°-60°)	3397.0	35.8			
FH (60°-80°)	742.6	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	599.1	6.3	B2/1000		
BM (30°-60°)	3397.0	35.8	B3/5000		
BH (60°-80°)	742.6	7.8	B2/1000		G1/1800
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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1	1344.1
2.5°	1331.2	1333.8	1336.4	1337.7	1338.9	1342.8	1344.1	1340.2	1340.2	1332.5	1341.5
5°	1324.7	1327.3	1329.9	1328.6	1328.6	1328.6	1327.3	1322.2	1320.9	1313.1	1322.2
7.5°	1313.1	1315.7	1315.7	1311.8	1309.2	1309.2	1308.0	1301.5	1300.2	1292.5	1301.5
10°	1304.1	1305.4	1304.1	1296.3	1291.2	1291.2	1289.9	1287.3	1288.6	1283.4	1291.2
12.5°	1309.2	1310.5	1305.4	1295.0	1288.6	1287.3	1283.4	1279.5	1283.4	1282.1	1289.9
15°	1326.0	1327.3	1318.3	1305.4	1300.2	1300.2	1289.9	1279.5	1284.7	1286.0	1295.0
17.5°	1346.7	1346.7	1335.1	1323.4	1324.7	1324.7	1308.0	1289.9	1291.2	1296.3	1305.4
20°	1371.2	1371.2	1359.6	1357.0	1366.1	1367.3	1346.7	1318.3	1311.8	1315.7	1326.0
22.5°	1415.1	1415.1	1406.1	1412.5	1433.2	1439.7	1408.7	1368.6	1353.1	1355.7	1366.1
25°	1483.6	1483.6	1481.0	1496.5	1526.2	1540.4	1499.0	1446.1	1420.3	1416.4	1428.0
27.5°	1598.5	1599.8	1595.9	1619.1	1656.6	1673.4	1616.5	1546.8	1515.8	1509.4	1521.0
30°	1747.0	1747.0	1748.2	1780.5	1829.6	1851.5	1776.6	1695.3	1659.2	1638.5	1654.0
32.5°	1912.2	1914.8	1927.7	1981.9	2068.5	2113.6	2003.9	1890.3	1832.2	1810.2	1827.0
35°	2184.7	2160.1	2144.6	2184.7	2309.9	2369.3	2228.6	2095.6	2051.7	2049.1	2091.7
37.5°	2454.5	2440.3	2408.0	2449.3	2561.7	2588.8	2433.9	2322.8	2291.8	2308.6	2351.2
40°	2668.8	2643.0	2600.4	2639.1	2786.3	2813.5	2622.4	2512.6	2501.0	2538.4	2596.5
42.5°	2838.0	2801.8	2745.0	2754.1	2872.9	2892.2	2723.1	2640.4	2648.2	2694.7	2760.5
45°	2914.2	2885.8	2835.4	2831.5	2906.4	2907.7	2774.7	2732.1	2752.8	2788.9	2840.6
47.5°	2946.4	2933.5	2905.1	2898.7	2941.3	2931.0	2848.3	2830.2	2849.6	2859.9	2889.6
50°	3026.5	3026.5	3030.4	3035.5	3079.4	3069.1	3011.0	2990.3	2965.8	2929.7	2938.7
52.5°	3251.2	3260.2	3297.6	3339.0	3419.0	3452.6	3358.3	3238.3	3120.8	3042.0	3042.0
55°	3656.6	3665.6	3709.5	3779.3	3926.4	4006.5	3787.0	3522.3	3360.9	3253.7	3267.9
57.5°	3880.0	3890.3	3980.7	4169.2	4454.5	4590.1	4118.8	3726.3	3500.4	3377.7	3388.0
58°	3865.8	3872.2	3974.2	4195.0	4512.6	4658.5	4142.1	3719.9	3482.3	3357.0	3370.0
60°	3434.5	3425.5	3588.2	3903.2	4351.2	4552.7	3910.9	3395.8	3119.5	2991.6	2998.1
62.5°	2245.3	2250.5	2391.2	2720.5	3069.1	3258.9	2732.1	2348.6	2126.6	2049.1	2029.7
65°	937.4	920.6	1007.1	1190.5	1399.6	1505.5	1293.8	1094.9	958.0	906.4	920.6
67.5°	241.4	235.0	240.2	300.8	368.0	435.1	365.4	278.9	242.7	245.3	245.3
70°	136.9	129.1	104.6	96.8	94.3	94.3	94.3	94.3	108.5	127.8	131.7
72.5°	103.3	96.8	76.2	65.8	58.1	54.2	56.8	65.8	78.8	95.5	98.1
75°	51.6	51.6	46.5	43.9	38.7	36.2	37.4	41.3	47.8	54.2	52.9
77.5°	10.3	11.6	12.9	15.5	12.9	12.9	12.9	15.5	15.5	16.8	15.5
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)