

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: P633068

Luminaire Tested: GWS-SA2E-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633068
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-SA2E-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11233.5 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

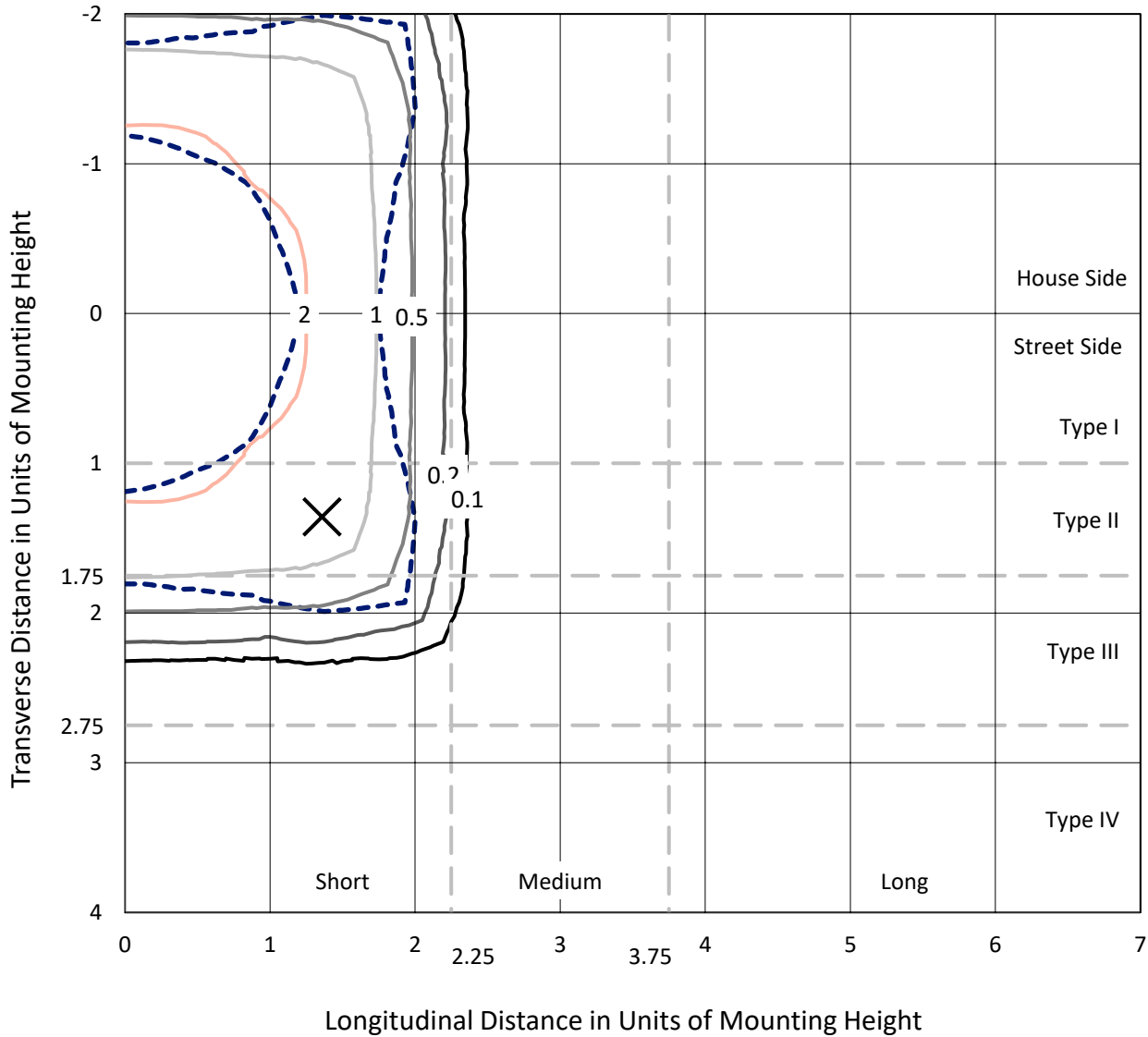
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

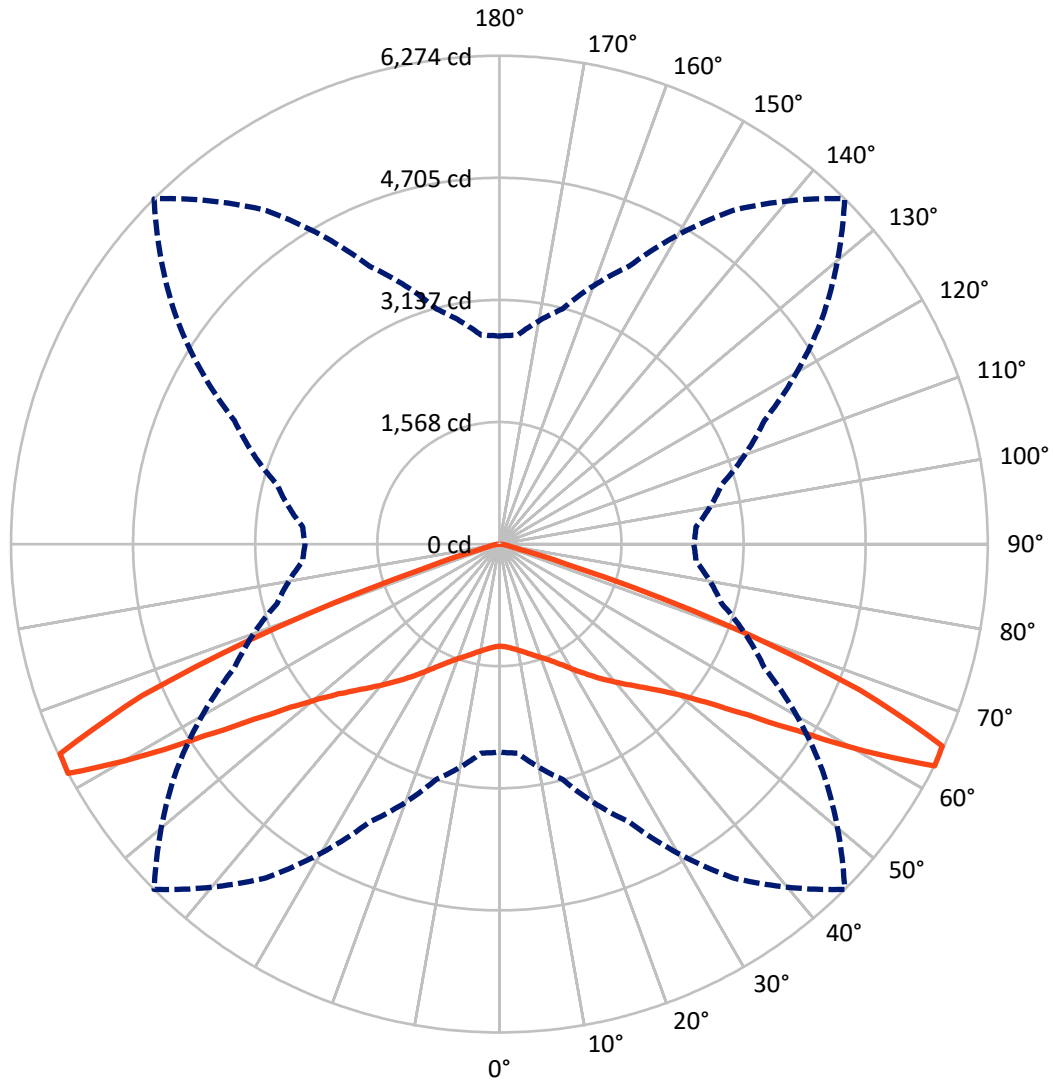
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 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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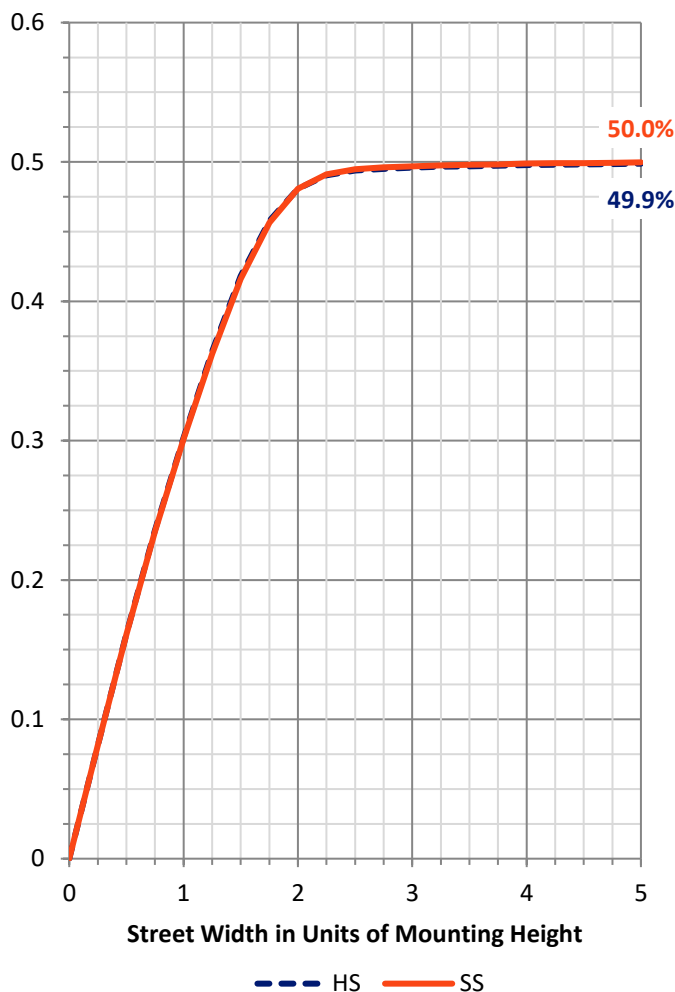
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5616.7	0.0	5616.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5616.7	0.0	5616.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11233.5	0.0	11233.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	1.1
10°-20°	414.7	3.7
20°-30°	784.5	7.0
30°-40°	1320.4	11.8
40°-50°	2109.6	18.8
50°-60°	3400.6	30.3
60°-70°	2774.5	24.7
70°-80°	269.4	2.4
80°-90°	31.4	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°	11233.5	100.0
0°-180°	11233.5	100.0

Coefficient of Utilization



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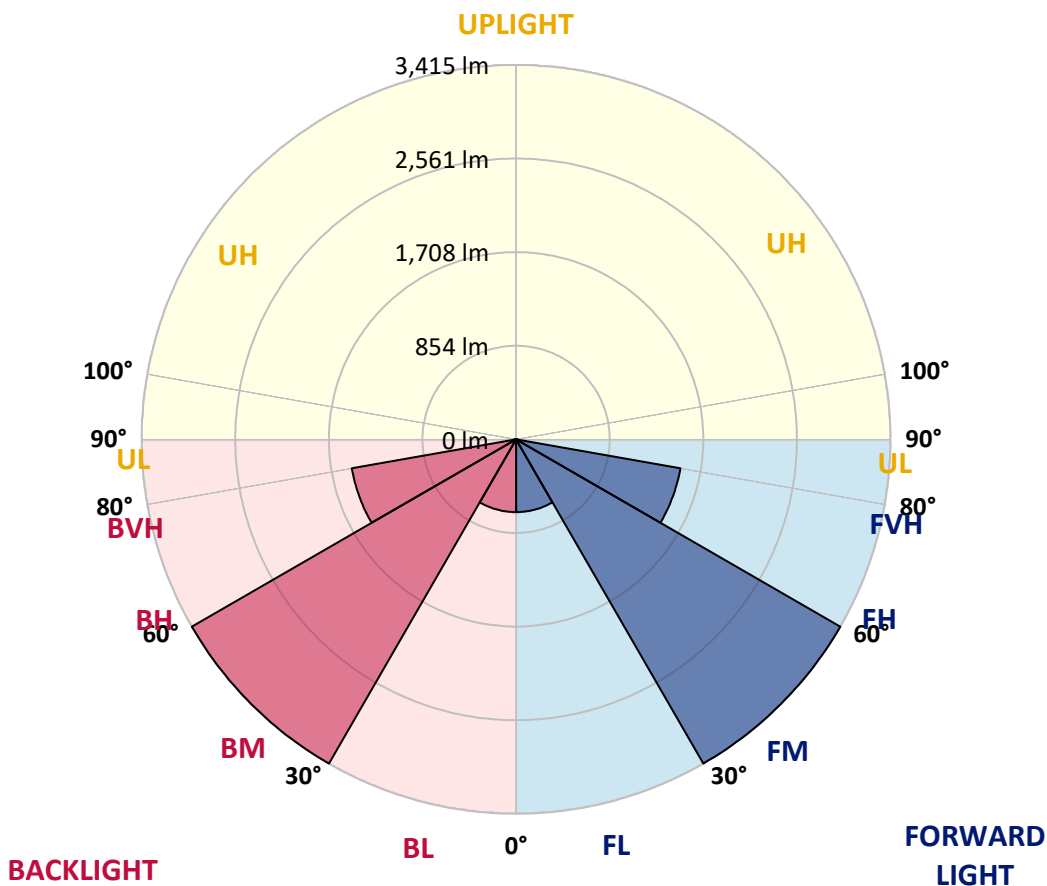
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.9	5.9			
FM (30°-60°)	3415.3	30.4			
FH (60°-80°)	1521.9	13.5			G1/1800
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	663.9	5.9	B2/1000		
BM (30°-60°)	3415.3	30.4	B3/5000		
BH (60°-80°)	1521.9	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.7	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°	1310.5	1310.5	1310.5	1310.5	1310.5	1310.5	1310.5	1310.5	1310.5	1310.5	1310.5
2.5°	1309.0	1309.0	1312.1	1314.4	1312.9	1319.0	1318.2	1316.7	1315.9	1313.6	1320.6
5°	1326.7	1326.7	1329.0	1331.3	1327.5	1335.2	1332.1	1330.6	1329.8	1326.7	1332.9
7.5°	1346.8	1349.1	1349.8	1353.7	1351.4	1359.8	1357.5	1354.5	1352.9	1349.1	1354.5
10°	1369.1	1370.6	1371.4	1378.3	1379.1	1389.1	1386.8	1383.0	1379.9	1376.0	1383.7
12.5°	1399.1	1399.9	1402.2	1410.7	1413.0	1420.7	1419.9	1414.6	1410.7	1405.3	1413.8
15°	1437.7	1438.4	1442.3	1450.8	1454.6	1463.9	1460.8	1452.3	1446.9	1440.7	1447.7
17.5°	1477.7	1480.8	1484.7	1493.1	1498.5	1509.3	1505.5	1496.2	1491.6	1485.4	1490.1
20°	1529.3	1530.1	1532.4	1541.7	1545.5	1557.9	1558.6	1549.4	1547.1	1540.9	1547.8
22.5°	1586.4	1587.1	1589.4	1599.5	1606.4	1614.1	1618.7	1613.3	1609.5	1601.8	1610.2
25°	1649.5	1657.2	1659.6	1671.9	1679.6	1684.2	1689.6	1687.3	1681.9	1672.7	1676.5
27.5°	1738.1	1739.7	1743.5	1757.4	1762.0	1766.6	1772.0	1772.8	1765.1	1754.3	1759.7
30°	1839.1	1838.3	1846.8	1857.6	1861.4	1865.3	1873.0	1877.6	1867.6	1856.0	1861.4
32.5°	1942.3	1951.6	1962.3	1972.4	1970.0	1971.6	1983.9	1992.4	1978.5	1957.7	1962.3
35°	2058.6	2064.8	2078.7	2093.3	2090.2	2087.9	2095.6	2104.1	2084.8	2057.9	2064.8
37.5°	2178.1	2187.3	2208.1	2225.8	2221.2	2210.4	2218.9	2228.1	2209.7	2178.8	2175.8
40°	2311.4	2326.0	2356.0	2370.7	2358.4	2337.6	2352.2	2374.5	2356.0	2320.6	2312.1
42.5°	2467.8	2485.5	2515.5	2537.9	2510.9	2477.0	2501.7	2534.0	2529.4	2482.4	2467.8
45°	2661.1	2672.7	2709.7	2720.5	2680.4	2633.4	2678.1	2727.4	2715.8	2665.0	2645.7
47.5°	2871.5	2889.2	2921.6	2941.6	2876.9	2818.3	2880.7	2947.0	2934.7	2886.9	2864.5
50°	3139.6	3162.7	3205.1	3222.0	3132.7	3065.6	3145.8	3229.7	3205.9	3141.9	3112.6
52.5°	3431.6	3450.1	3522.5	3556.4	3472.4	3400.0	3470.1	3552.6	3501.7	3417.0	3377.7
55°	3688.9	3707.4	3813.7	3926.2	3922.4	3872.3	3907.7	3909.3	3771.4	3631.1	3589.5
57.5°	3744.4	3762.9	3965.5	4259.8	4467.9	4525.6	4421.6	4202.8	3855.3	3609.6	3562.6
60°	3448.5	3469.3	3791.4	4329.2	5013.3	5399.3	4920.1	4196.7	3595.7	3262.9	3218.2
62.5°	2671.9	2694.3	3127.3	3934.7	5233.7	6273.8	5065.0	3755.2	2957.8	2536.3	2497.0
65°	1275.9	1275.9	1826.0	2822.2	4794.5	6253.0	4645.8	2778.3	1780.5	1367.6	1333.7
67.5°	315.9	317.4	470.0	1098.7	3261.3	4990.2	3314.5	1333.7	627.1	443.8	432.2
70°	197.2	196.5	218.0	297.4	1141.0	3028.6	1355.2	402.2	255.0	225.0	223.4
72.5°	153.3	153.3	164.1	190.3	298.9	1031.6	395.2	223.4	184.9	166.4	166.4
75°	121.0	121.0	128.7	142.5	176.4	265.8	210.3	165.6	143.3	131.0	129.4
77.5°	90.1	91.7	97.8	107.1	120.2	149.5	133.3	124.8	111.7	102.5	99.4
80°	58.6	60.9	68.6	74.0	78.6	98.6	87.1	90.9	84.7	74.0	72.4
82.5°	31.6	32.4	41.6	43.1	44.7	53.9	55.5	57.8	60.1	47.0	43.9
85°	11.6	11.6	13.9	16.2	17.7	19.3	26.2	32.4	33.9	27.0	26.2
87.5°	2.3	2.3	2.3	1.5	1.5	1.5	4.6	8.5	13.9	10.8	10.8
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)