

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: P631252

Luminaire Tested: GWS-SA1F-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7533 lumens
Efficiency: N/A
Efficacy: 112.1 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

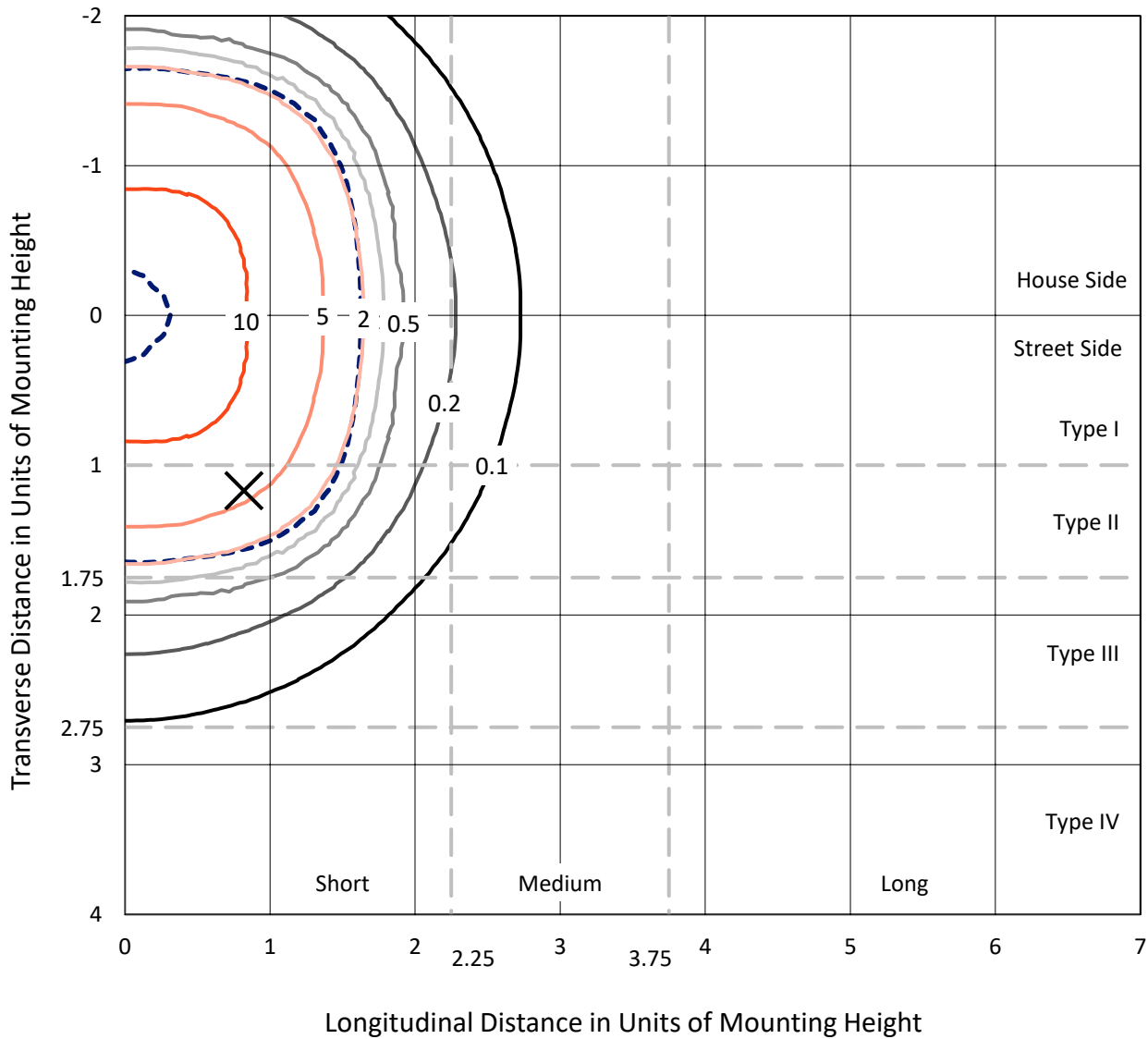


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Iso-Footcandle Lines of Horizontal Illumination

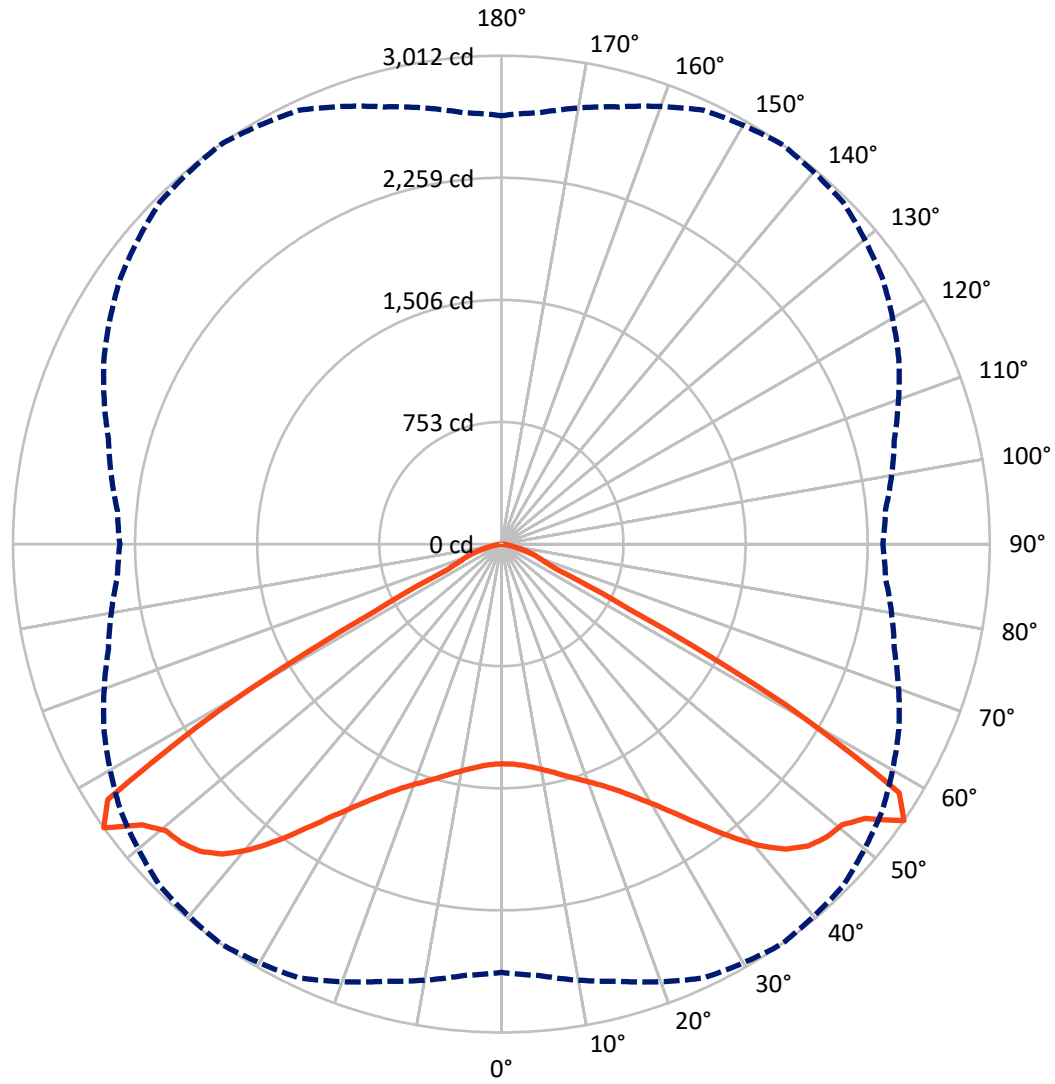
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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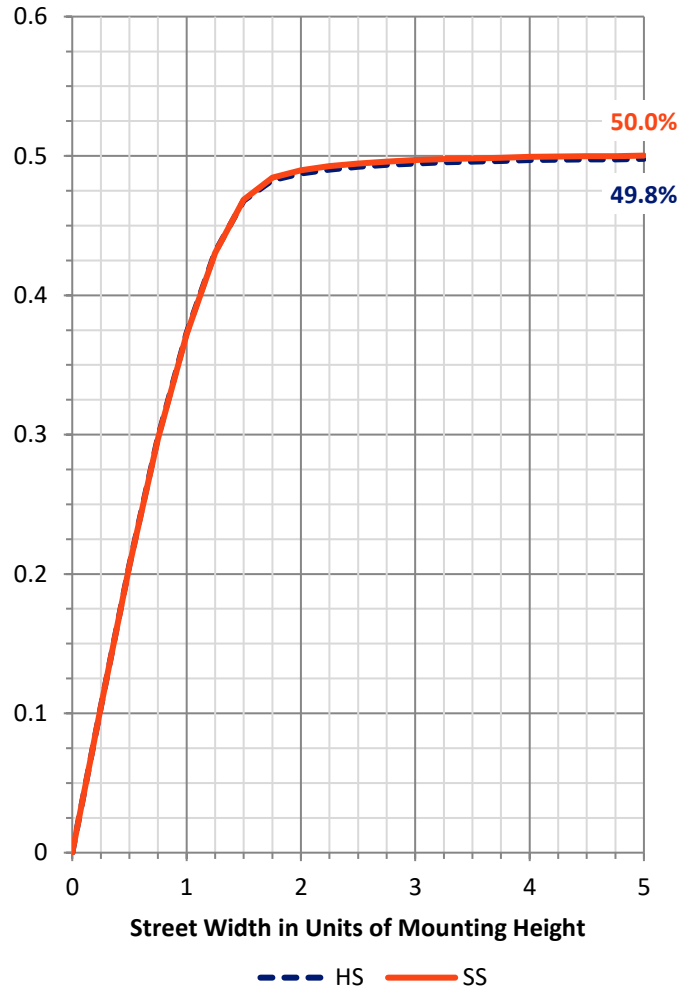
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3766.5	0.0	3766.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3766.5	0.0	3766.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7533.0	0.0	7533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	1.8
10°-20°	420.8	5.6
20°-30°	778.9	10.3
30°-40°	1302.9	17.3
40°-50°	1985.5	26.4
50°-60°	2224.1	29.5
60°-70°	526.3	7.0
70°-80°	141.9	1.9
80°-90°	20.4	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°	7533.0	100.0
0°-180°	7533.0	100.0

Coefficient of Utilization



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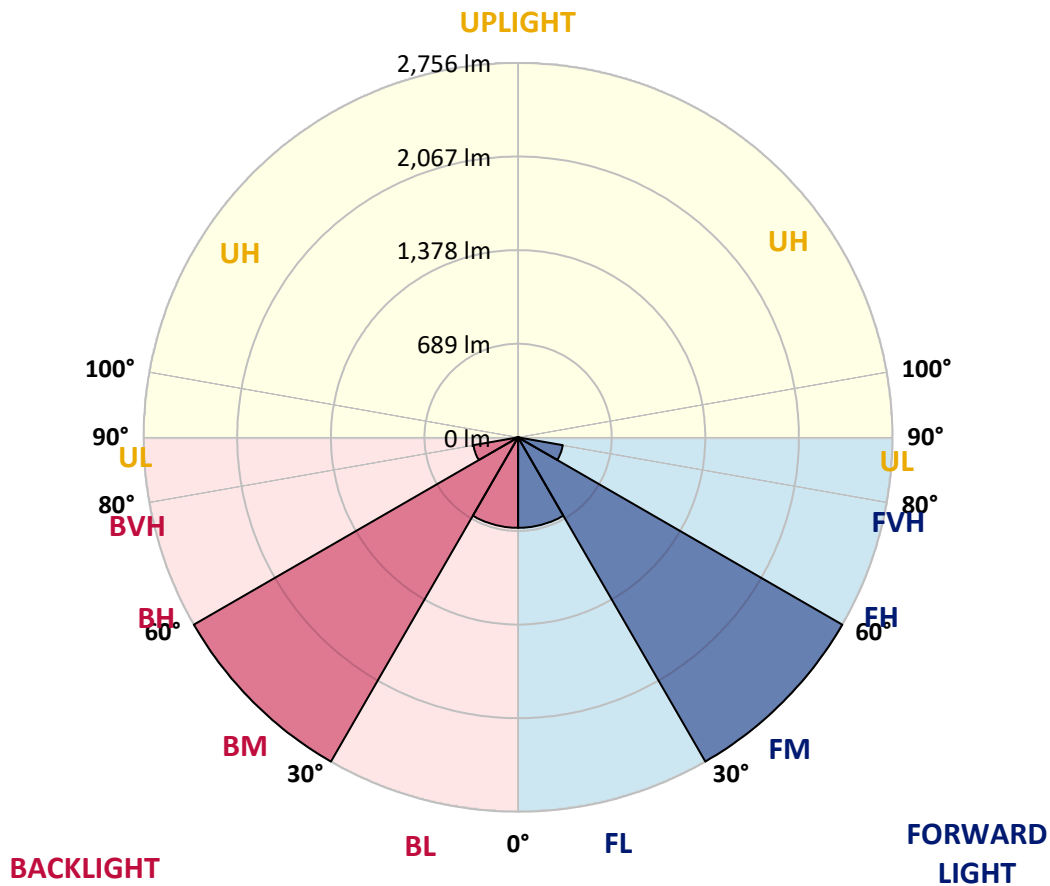
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	666.0	8.8			
FM (30°-60°)	2756.3	36.6			
FH (60°-80°)	334.1	4.4			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	666.0	8.8	B2/1000		
BM (30°-60°)	2756.3	36.6	B3/5000		
BH (60°-80°)	334.1	4.4	B1/500		G0/660
BVH (80°-90°)	10.2	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°	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2	1355.2
2.5°	1352.2	1352.2	1354.6	1357.6	1358.2	1364.1	1363.0	1360.6	1359.4	1357.0	1362.4
5°	1367.1	1367.7	1369.5	1371.3	1370.1	1374.9	1373.1	1370.1	1368.3	1365.3	1370.7
7.5°	1386.8	1386.8	1388.6	1390.9	1389.8	1396.9	1393.3	1389.2	1386.2	1382.6	1387.4
10°	1404.6	1405.8	1407.6	1412.4	1414.8	1422.5	1420.1	1414.2	1409.4	1405.2	1410.6
12.5°	1431.5	1432.6	1434.4	1441.0	1445.2	1452.9	1449.3	1441.0	1433.8	1427.9	1433.8
15°	1466.0	1464.8	1469.6	1477.9	1483.3	1490.4	1486.3	1472.0	1462.4	1454.7	1460.6
17.5°	1501.2	1500.6	1505.3	1516.0	1523.8	1533.3	1526.2	1509.5	1499.4	1489.8	1495.8
20°	1539.3	1541.1	1545.8	1556.0	1567.3	1579.8	1573.8	1556.0	1544.6	1533.9	1538.7
22.5°	1586.3	1586.9	1592.3	1605.4	1620.3	1632.2	1628.6	1606.6	1592.3	1581.0	1586.9
25°	1642.9	1642.3	1649.5	1665.0	1685.8	1697.7	1690.0	1665.6	1650.1	1637.0	1641.7
27.5°	1707.9	1707.3	1718.0	1738.2	1768.0	1784.7	1768.6	1738.2	1716.8	1698.3	1702.5
30°	1789.5	1787.7	1799.6	1827.0	1865.7	1893.7	1869.9	1827.6	1799.6	1779.9	1784.1
32.5°	1880.0	1882.4	1897.3	1934.2	1983.1	2019.4	1983.7	1936.6	1899.1	1870.5	1875.2
35°	1979.5	1979.5	2009.9	2055.7	2125.4	2173.7	2118.3	2050.4	2000.3	1961.0	1962.2
37.5°	2090.3	2091.5	2131.4	2194.5	2285.7	2342.3	2267.2	2183.2	2122.5	2080.2	2077.8
40°	2225.5	2229.1	2270.2	2340.5	2442.9	2494.8	2414.4	2332.1	2270.2	2220.2	2215.4
42.5°	2378.0	2379.2	2422.7	2485.8	2572.2	2603.2	2540.0	2472.7	2422.1	2376.8	2372.1
45°	2523.4	2520.4	2557.9	2605.0	2655.0	2658.0	2622.8	2595.4	2551.4	2512.6	2505.5
47.5°	2636.5	2634.2	2668.1	2693.7	2699.7	2670.5	2681.8	2686.0	2634.8	2582.3	2568.6
50°	2705.6	2710.4	2742.6	2756.9	2721.7	2674.1	2717.0	2706.2	2633.0	2564.5	2542.4
52.5°	2747.3	2754.5	2810.5	2846.8	2810.5	2765.2	2771.2	2708.0	2602.6	2512.0	2483.5
55°	2641.9	2670.5	2791.4	2952.3	3011.8	2980.3	2867.1	2704.5	2509.1	2377.4	2353.0
57.5°	1958.1	2003.3	2182.6	2531.1	2893.3	3008.3	2677.7	2267.2	1971.2	1802.0	1787.7
60°	999.6	1050.2	1193.8	1551.8	2017.6	2179.6	1865.1	1451.7	1153.9	1016.9	1001.4
62.5°	408.1	416.4	463.5	601.7	891.8	1028.8	903.7	634.4	476.6	439.0	439.6
65°	321.1	322.9	320.5	328.8	373.5	414.6	383.0	336.6	328.2	332.4	329.4
67.5°	280.0	280.6	278.8	278.8	280.6	278.8	282.4	284.1	285.3	290.1	287.1
70°	234.1	234.7	234.7	235.9	235.3	232.3	237.7	240.1	240.7	243.6	241.9
72.5°	181.1	182.9	184.1	184.7	184.1	182.3	185.3	189.4	188.8	191.8	188.8
75°	122.7	125.1	126.3	128.7	128.1	128.1	131.6	133.4	131.6	134.0	131.6
77.5°	69.7	71.5	75.1	77.4	79.8	81.6	84.0	85.2	84.6	85.8	84.6
80°	40.5	41.1	44.1	45.3	48.3	51.2	53.6	54.8	55.4	56.0	55.4
82.5°	23.2	23.8	25.0	26.2	28.6	31.0	33.4	35.1	35.1	35.7	35.1
85°	11.3	11.3	11.9	12.5	13.7	15.5	17.3	19.1	19.7	19.7	19.7
87.5°	1.8	1.8	2.4	2.4	3.0	3.6	4.8	6.0	6.6	6.6	6.6
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)