

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: P639176

Luminaire Tested: GWS-SA5B-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639176
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-SA5B-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17754.1 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

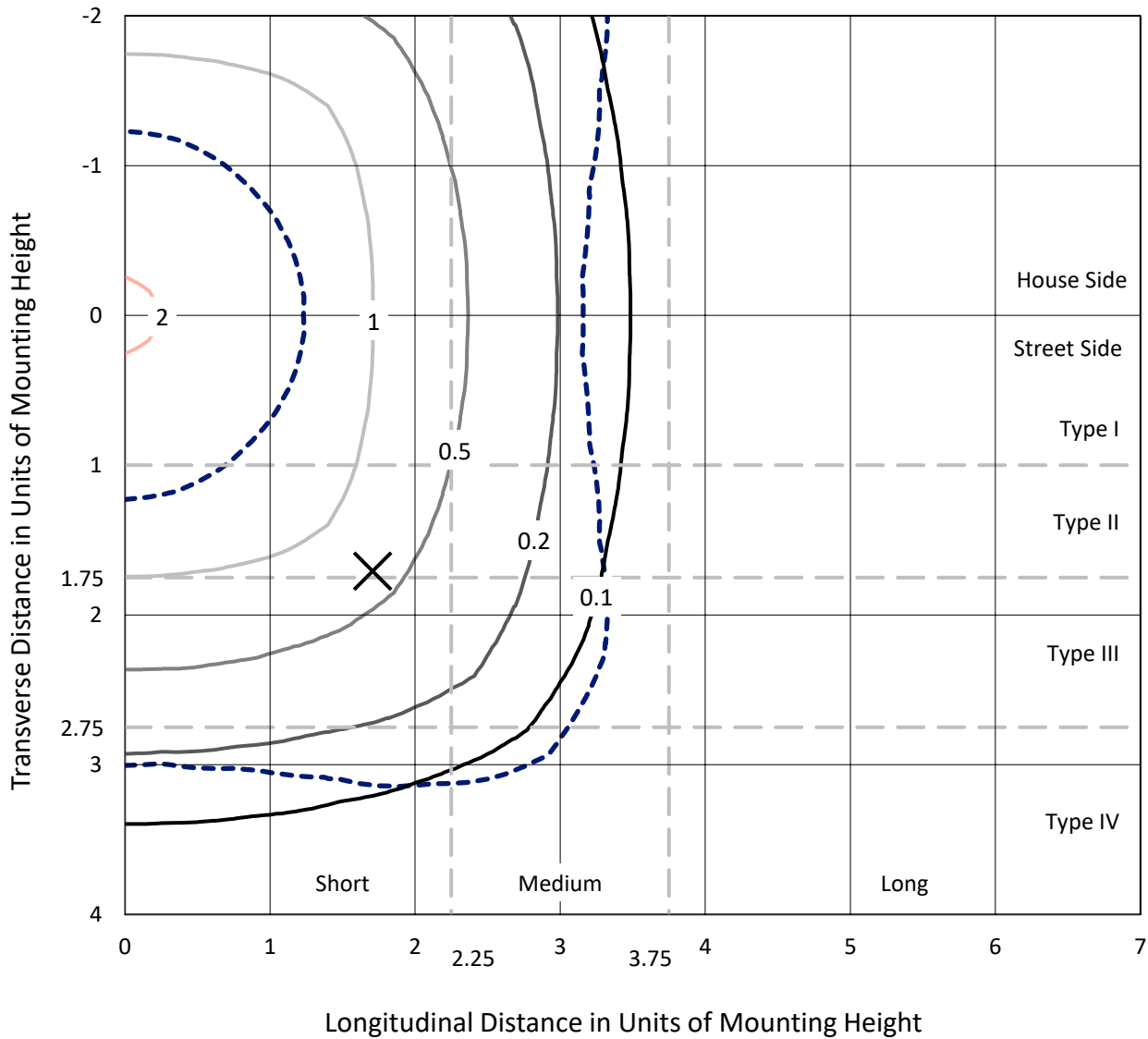
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

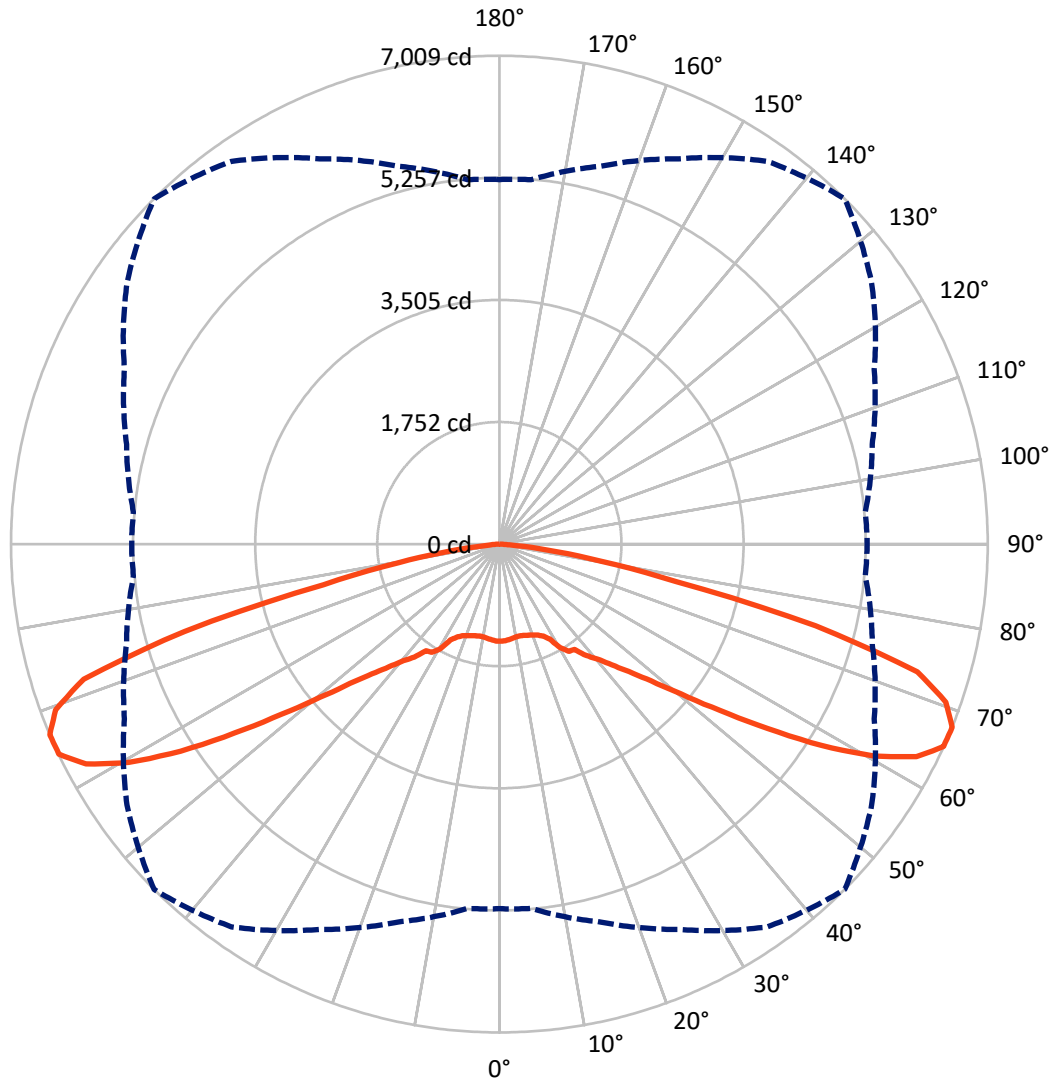
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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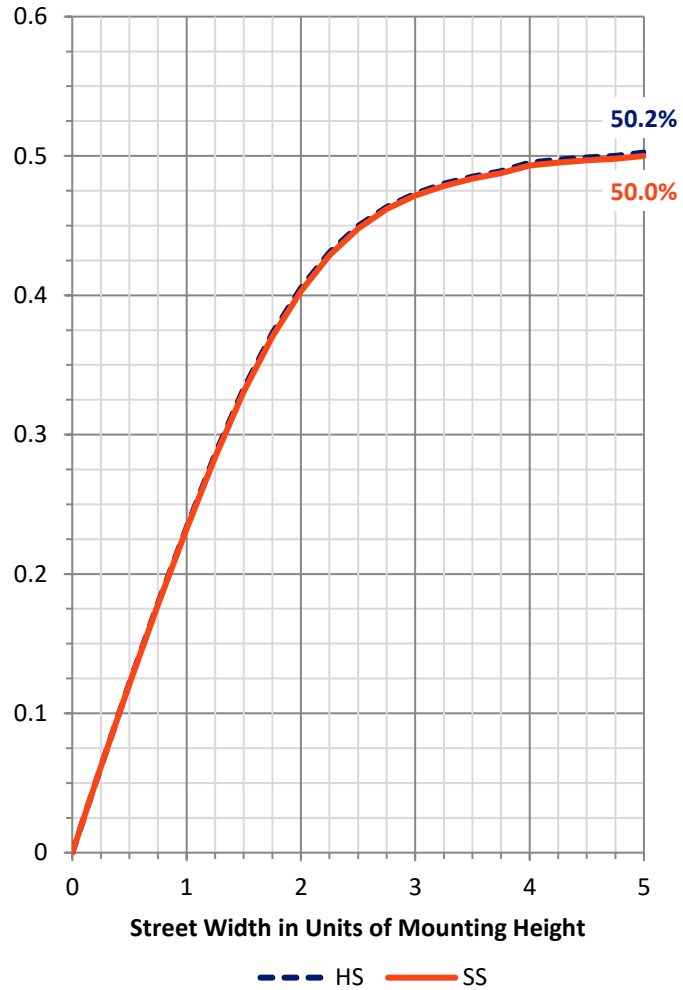
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8877.0	0.0	8877.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8877.0	0.0	8877.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17754.1	0.0	17754.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	0.7
10°-20°	387.9	2.2
20°-30°	695.9	3.9
30°-40°	1175.6	6.6
40°-50°	2065.5	11.6
50°-60°	3984.4	22.4
60°-70°	5780.8	32.6
70°-80°	3307.5	18.6
80°-90°	225.7	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°	17754.1	100.0
0°-180°	17754.1	100.0

Coefficient of Utilization



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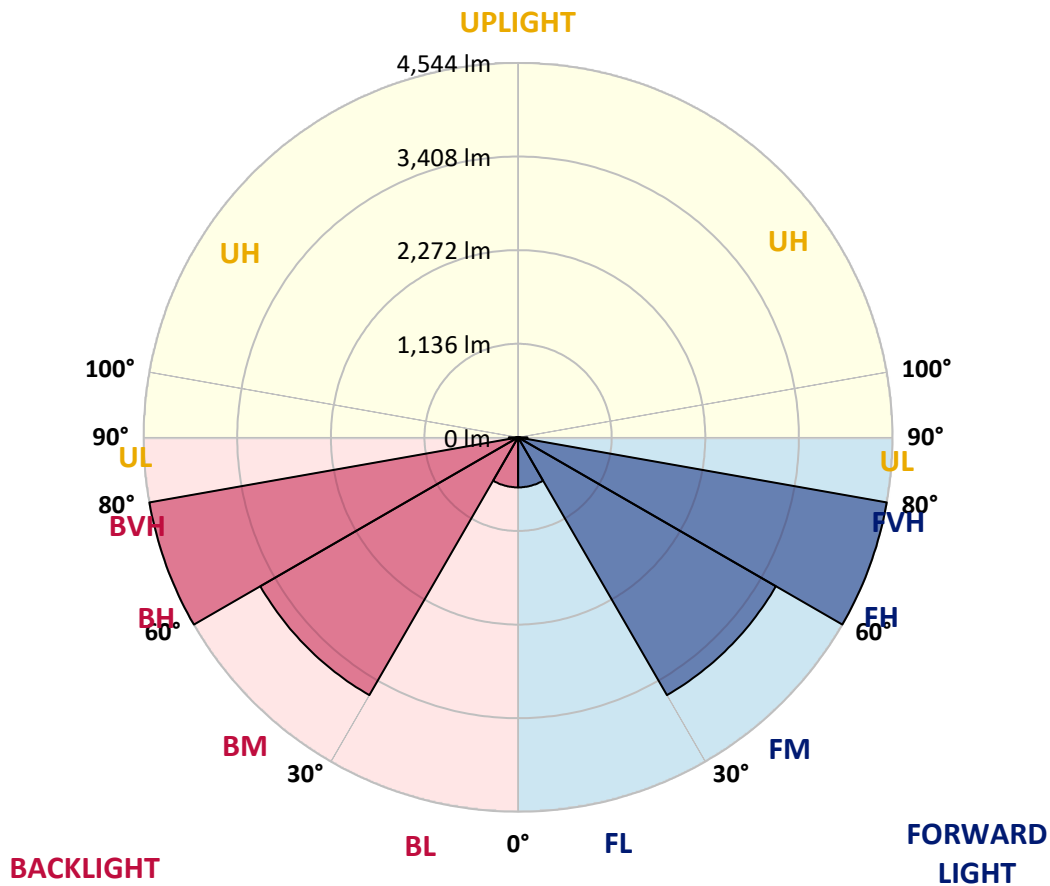
CATALOG NUMBER: GWS-SA5B-735-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	607.3	3.4			
FM (30°-60°)	3612.7	20.3			
FH (60°-80°)	4544.2	25.6			G2/5000
FVH (80°-90°)	112.9	0.6			G2/225
BL (0°-30°)	607.3	3.4	B2/1000		
BM (30°-60°)	3612.7	20.3	B3/5000		
BH (60°-80°)	4544.2	25.6	B4/5000		G2/5000
BVH (80°-90°)	112.9	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°	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3
2.5°	1381.0	1382.2	1384.8	1384.8	1387.3	1391.0	1392.3	1389.8	1391.0	1384.8	1391.0
5°	1377.2	1378.5	1379.7	1377.2	1377.2	1378.5	1378.5	1376.0	1377.2	1370.9	1377.2
7.5°	1368.4	1369.7	1369.7	1365.9	1362.2	1364.7	1364.7	1362.2	1363.4	1357.1	1364.7
10°	1360.9	1360.9	1359.6	1352.1	1348.3	1352.1	1353.4	1354.6	1359.6	1354.6	1363.4
12.5°	1365.9	1365.9	1362.2	1352.1	1345.8	1348.3	1350.9	1353.4	1362.2	1360.9	1370.9
15°	1379.7	1381.0	1370.9	1359.6	1355.9	1359.6	1357.1	1355.9	1367.2	1370.9	1382.2
17.5°	1391.0	1391.0	1378.5	1367.2	1368.4	1374.7	1369.7	1363.4	1374.7	1382.2	1394.8
20°	1401.1	1399.8	1386.0	1378.5	1383.5	1392.3	1388.5	1379.7	1387.3	1396.1	1407.3
22.5°	1426.2	1424.9	1409.9	1406.1	1411.1	1419.9	1416.1	1408.6	1417.4	1429.9	1443.8
25°	1497.7	1495.2	1472.6	1460.1	1457.6	1463.8	1462.6	1460.1	1473.9	1489.0	1505.3
27.5°	1593.2	1591.9	1575.6	1563.0	1546.7	1541.7	1545.4	1556.7	1576.8	1588.1	1601.9
30°	1640.9	1640.9	1638.4	1658.4	1693.6	1727.5	1701.1	1658.4	1640.9	1635.8	1649.6
32.5°	1703.6	1709.9	1701.1	1723.7	1782.7	1832.9	1782.7	1713.7	1701.1	1701.1	1716.2
35°	1848.0	1850.5	1836.7	1832.9	1851.8	1858.1	1834.2	1809.1	1822.9	1825.4	1844.2
37.5°	1963.5	1963.5	1957.2	1967.3	2006.2	2030.0	1991.1	1945.9	1949.7	1952.2	1976.1
40°	2141.8	2146.8	2131.7	2130.5	2145.5	2166.9	2125.5	2096.6	2116.7	2123.0	2159.4
42.5°	2364.0	2364.0	2341.4	2335.1	2345.2	2367.8	2328.8	2310.0	2336.4	2341.4	2362.7
45°	2628.9	2635.2	2605.0	2593.7	2598.8	2606.3	2578.7	2569.9	2595.0	2606.3	2644.0
47.5°	2951.5	2957.8	2931.5	2930.2	2925.2	2930.2	2903.8	2898.8	2918.9	2910.1	2950.3
50°	3349.5	3360.8	3338.2	3369.6	3365.8	3380.9	3344.5	3318.1	3318.1	3294.3	3316.9
52.5°	3795.2	3817.8	3829.1	3881.8	3922.0	3959.7	3899.4	3858.0	3797.7	3748.7	3810.3
55°	4281.1	4274.8	4346.3	4461.8	4579.8	4669.0	4551.0	4420.4	4322.5	4220.8	4244.6
57.5°	4706.6	4728.0	4822.1	5033.1	5266.6	5454.9	5242.7	4991.6	4769.4	4623.8	4643.9
60°	5060.7	5078.3	5203.8	5507.6	5915.6	6175.5	5839.1	5424.8	5102.1	4901.2	4922.6
62.5°	5387.1	5403.4	5530.2	5865.4	6380.2	6719.1	6284.7	5718.5	5359.5	5157.4	5169.9
65°	5575.4	5585.5	5758.7	6111.5	6653.8	7004.1	6514.5	5930.7	5577.9	5372.0	5379.6
67.5°	5232.7	5249.0	5614.3	6101.4	6706.6	7009.1	6524.5	5937.0	5540.3	5271.6	5277.9
70°	4127.9	4114.1	4549.7	5387.1	6404.0	6798.2	6234.5	5491.3	4878.6	4503.3	4497.0
72.5°	3147.4	3151.2	3393.5	3967.2	5221.4	6273.4	5501.3	4421.7	3761.3	3476.3	3465.0
75°	2282.4	2317.5	2514.6	2935.2	3652.1	4689.1	4141.7	3276.7	2834.8	2664.0	2638.9
77.5°	1028.2	1073.4	1348.3	1843.0	2441.8	2591.2	2601.3	2224.6	1678.5	1394.8	1350.9
80°	300.1	321.4	413.0	706.8	1137.4	1470.1	1167.6	981.8	611.4	479.6	457.0
82.5°	126.8	144.4	177.0	195.8	330.2	681.7	424.3	269.9	251.1	203.4	185.8
85°	54.0	57.8	74.1	79.1	106.7	145.6	134.3	121.8	116.8	90.4	82.9
87.5°	22.6	22.6	22.6	20.1	18.8	20.1	27.6	35.2	46.5	36.4	33.9
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)