

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: P639341

Luminaire Tested: GWS-SA5B-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639341
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18161 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

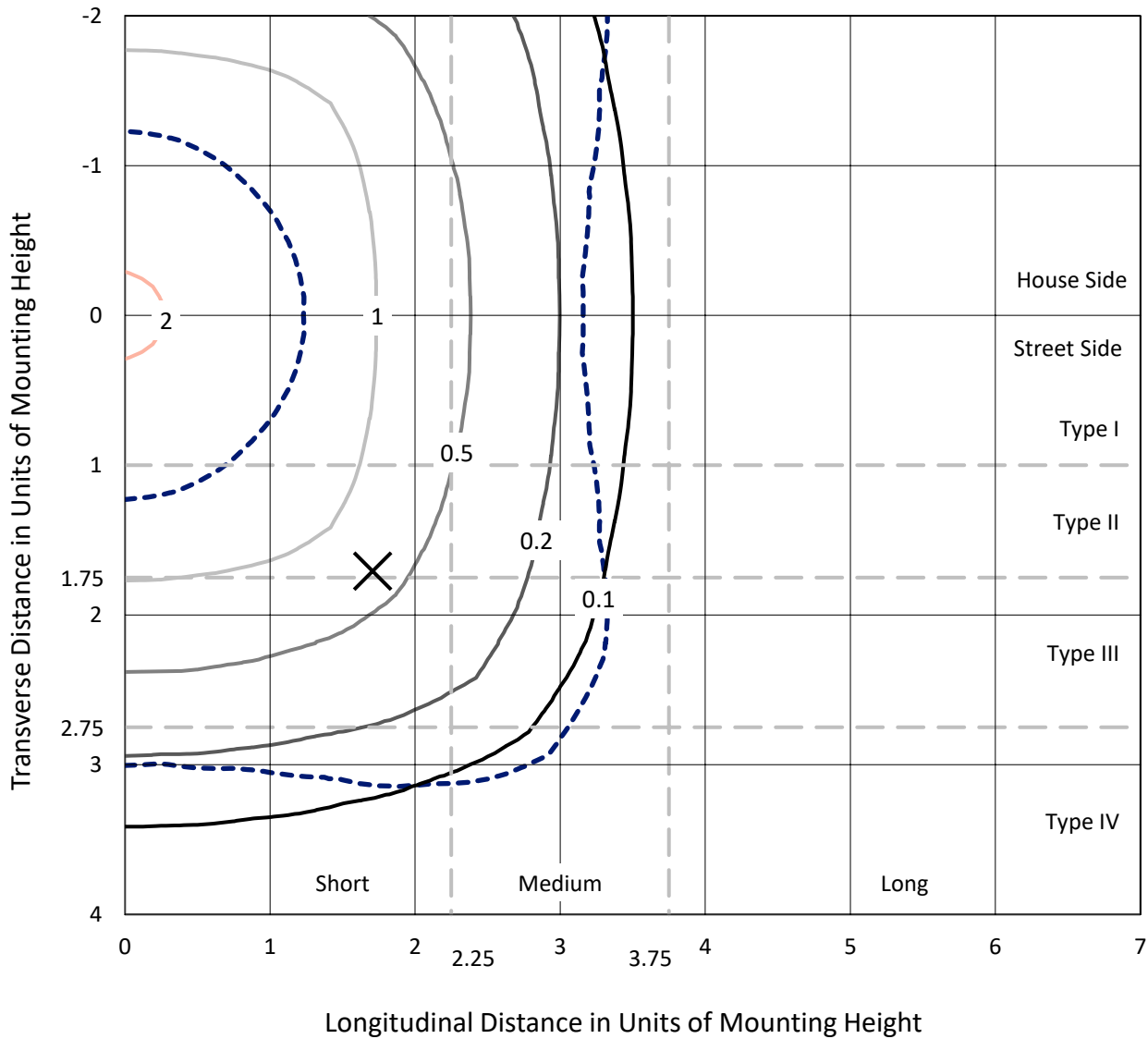
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

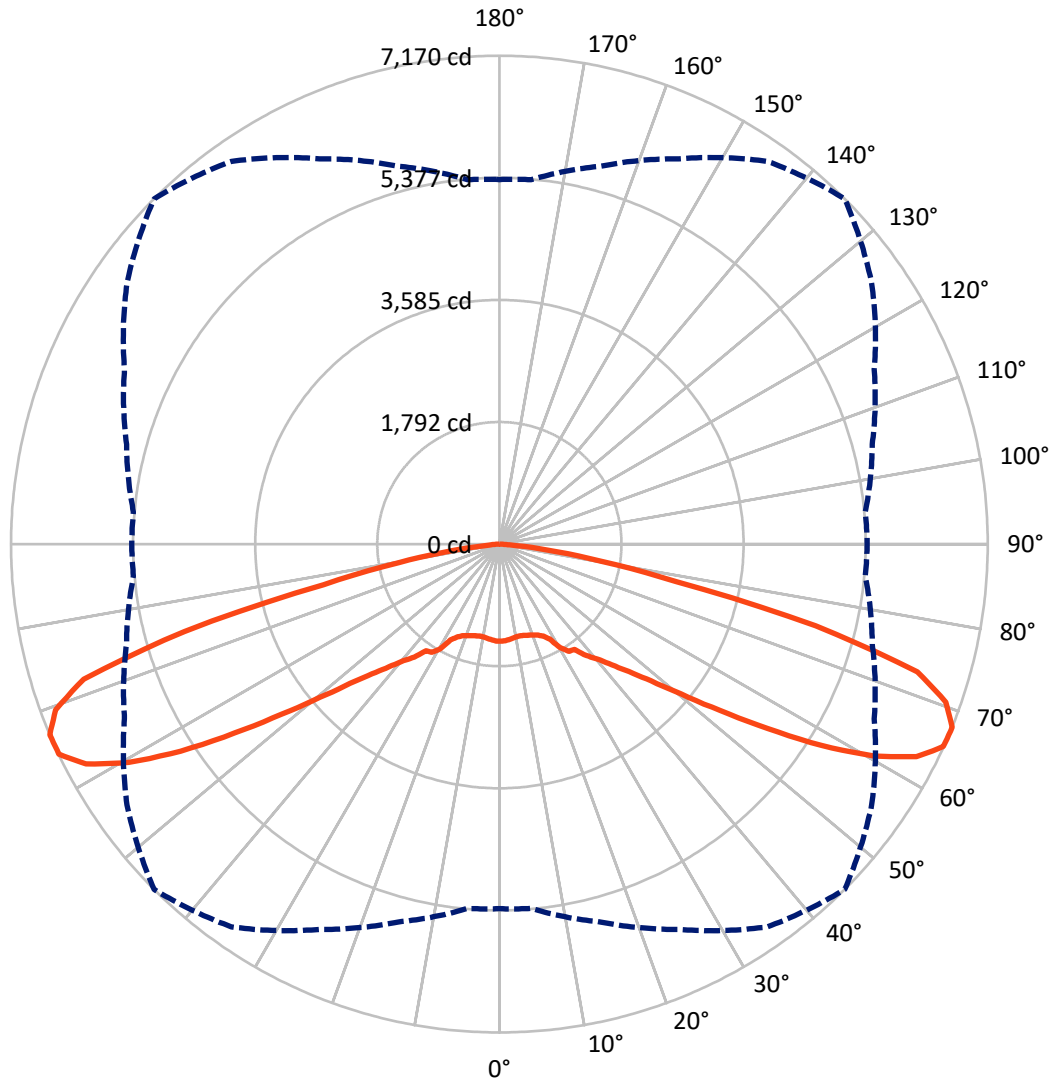
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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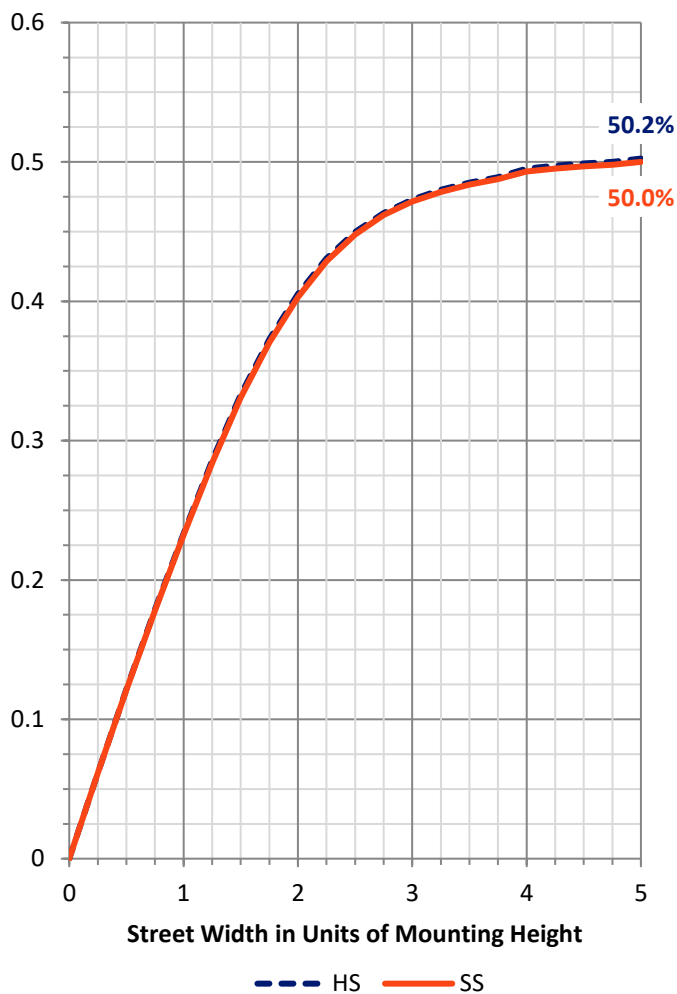
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9080.5	0.0	9080.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9080.5	0.0	9080.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18161.0	0.0	18161.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	0.7
10°-20°	396.8	2.2
20°-30°	711.9	3.9
30°-40°	1202.5	6.6
40°-50°	2112.8	11.6
50°-60°	4075.7	22.4
60°-70°	5913.3	32.6
70°-80°	3383.3	18.6
80°-90°	230.9	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°	18161.0	100.0
0°-180°	18161.0	100.0

Coefficient of Utilization



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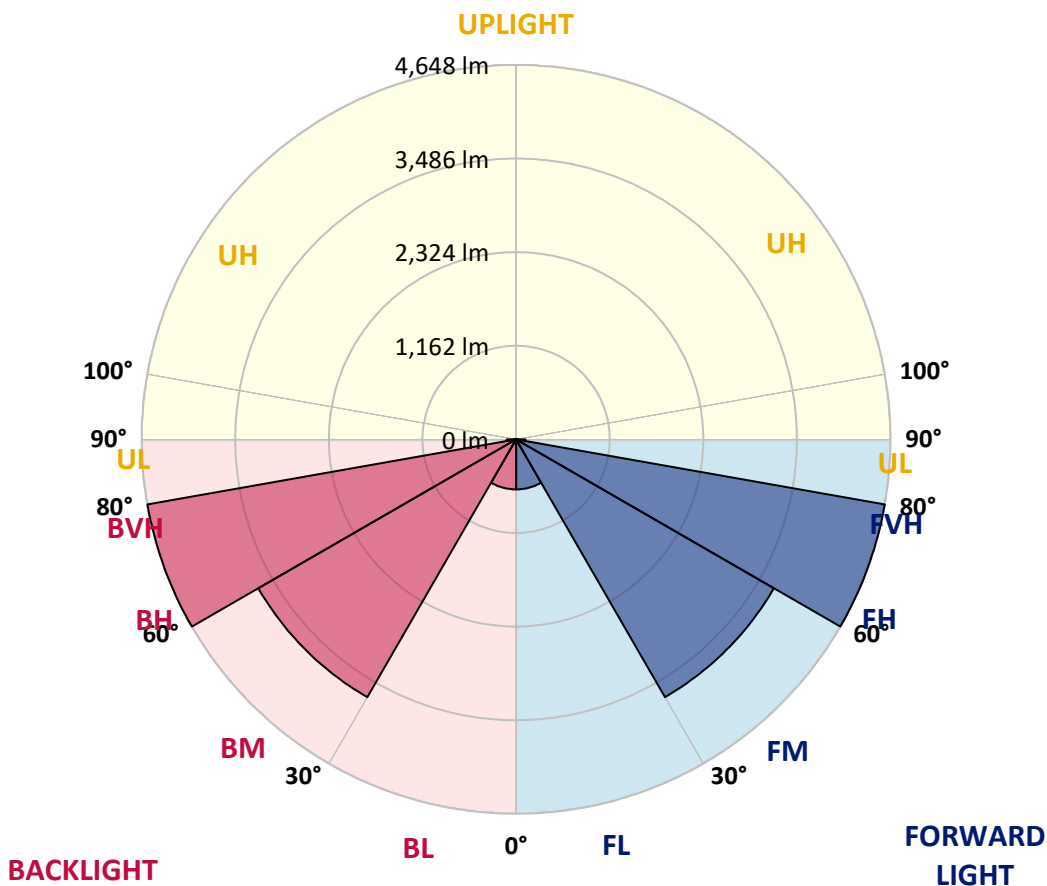
CATALOG NUMBER: GWS-SA5B-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.2	3.4			
FM (30°-60°)	3695.5	20.3			
FH (60°-80°)	4648.3	25.6			G2/5000
FVH (80°-90°)	115.5	0.6			G2/225
BL (0°-30°)	621.2	3.4	B2/1000		
BM (30°-60°)	3695.5	20.3	B3/5000		
BH (60°-80°)	4648.3	25.6	B4/5000		G2/5000
BVH (80°-90°)	115.5	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°	1424.2	1424.2	1424.2	1424.2	1424.2	1424.2	1424.2	1424.2	1424.2	1424.2	1424.2
2.5°	1412.6	1413.9	1416.5	1416.5	1419.1	1422.9	1424.2	1421.6	1422.9	1416.5	1422.9
5°	1408.8	1410.1	1411.4	1408.8	1408.8	1410.1	1410.1	1407.5	1408.8	1402.4	1408.8
7.5°	1399.8	1401.1	1401.1	1397.2	1393.4	1395.9	1395.9	1393.4	1394.7	1388.2	1395.9
10°	1392.1	1392.1	1390.8	1383.1	1379.2	1383.1	1384.4	1385.7	1390.8	1385.7	1394.7
12.5°	1397.2	1397.2	1393.4	1383.1	1376.7	1379.2	1381.8	1384.4	1393.4	1392.1	1402.4
15°	1411.4	1412.6	1402.4	1390.8	1387.0	1390.8	1388.2	1387.0	1398.5	1402.4	1413.9
17.5°	1422.9	1422.9	1410.1	1398.5	1399.8	1406.2	1401.1	1394.7	1406.2	1413.9	1426.8
20°	1433.2	1431.9	1417.8	1410.1	1415.2	1424.2	1420.3	1411.4	1419.1	1428.0	1439.6
22.5°	1458.9	1457.6	1442.2	1438.3	1443.5	1452.4	1448.6	1440.9	1449.9	1462.7	1476.8
25°	1532.1	1529.5	1506.4	1493.5	1491.0	1497.4	1496.1	1493.5	1507.7	1523.1	1539.8
27.5°	1629.7	1628.4	1611.7	1598.8	1582.2	1577.0	1580.9	1592.4	1613.0	1624.5	1638.7
30°	1678.5	1678.5	1675.9	1696.4	1732.4	1767.1	1740.1	1696.4	1678.5	1673.3	1687.5
32.5°	1742.7	1749.1	1740.1	1763.2	1823.6	1875.0	1823.6	1753.0	1740.1	1740.1	1755.5
35°	1890.4	1892.9	1878.8	1875.0	1894.2	1900.6	1876.2	1850.6	1864.7	1867.2	1886.5
37.5°	2008.5	2008.5	2002.1	2012.4	2052.2	2076.6	2036.8	1990.5	1994.4	1997.0	2021.4
40°	2190.9	2196.0	2180.6	2179.3	2194.7	2216.6	2174.2	2144.6	2165.2	2171.6	2208.8
42.5°	2418.2	2418.2	2395.1	2388.6	2398.9	2422.0	2382.2	2363.0	2389.9	2395.1	2416.9
45°	2689.1	2695.6	2664.7	2653.2	2658.3	2666.0	2637.8	2628.8	2654.5	2666.0	2704.6
47.5°	3019.2	3025.6	2998.6	2997.4	2992.2	2997.4	2970.4	2965.2	2985.8	2976.8	3017.9
50°	3426.3	3437.8	3414.7	3446.8	3443.0	3458.4	3421.1	3394.2	3394.2	3369.8	3392.9
52.5°	3882.2	3905.3	3916.9	3970.8	4011.9	4050.4	3988.8	3946.4	3884.7	3834.7	3897.6
55°	4379.2	4372.7	4445.9	4564.1	4684.8	4776.0	4655.3	4521.7	4421.5	4317.5	4341.9
57.5°	4814.5	4836.3	4932.7	5148.4	5387.3	5579.9	5362.9	5106.0	4878.7	4729.8	4750.3
60°	5176.7	5194.6	5323.1	5633.8	6051.2	6317.0	5972.9	5549.1	5219.0	5013.6	5035.4
62.5°	5510.6	5527.3	5657.0	5999.8	6526.4	6873.1	6428.8	5849.6	5482.3	5275.6	5288.4
65°	5703.2	5713.5	5890.7	6251.6	6806.3	7164.6	6663.8	6066.6	5705.8	5495.2	5502.9
67.5°	5352.6	5369.3	5743.0	6241.3	6860.3	7169.8	6674.1	6073.0	5667.2	5392.4	5398.8
70°	4222.5	4208.4	4654.0	5510.6	6550.8	6954.0	6377.4	5617.2	4990.5	4606.5	4600.1
72.5°	3219.5	3223.4	3471.2	4058.1	5341.0	6417.2	5627.4	4523.0	3847.5	3556.0	3544.4
75°	2334.7	2370.7	2572.3	3002.5	3735.8	4796.5	4236.6	3351.8	2899.8	2725.1	2699.4
77.5°	1051.8	1098.0	1379.2	1885.2	2497.8	2650.6	2660.9	2275.6	1717.0	1426.8	1381.8
80°	306.9	328.8	422.5	723.0	1163.5	1503.8	1194.3	1004.3	625.4	490.6	467.5
82.5°	129.7	147.7	181.1	200.3	337.7	697.3	434.1	276.1	256.8	208.0	190.1
85°	55.2	59.1	75.8	80.9	109.2	149.0	137.4	124.6	119.4	92.5	84.8
87.5°	23.1	23.1	23.1	20.5	19.3	20.5	28.3	36.0	47.5	37.2	34.7
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)