

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: P639231

Luminaire Tested: GWS-SA5B-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639231
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-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18000.8 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

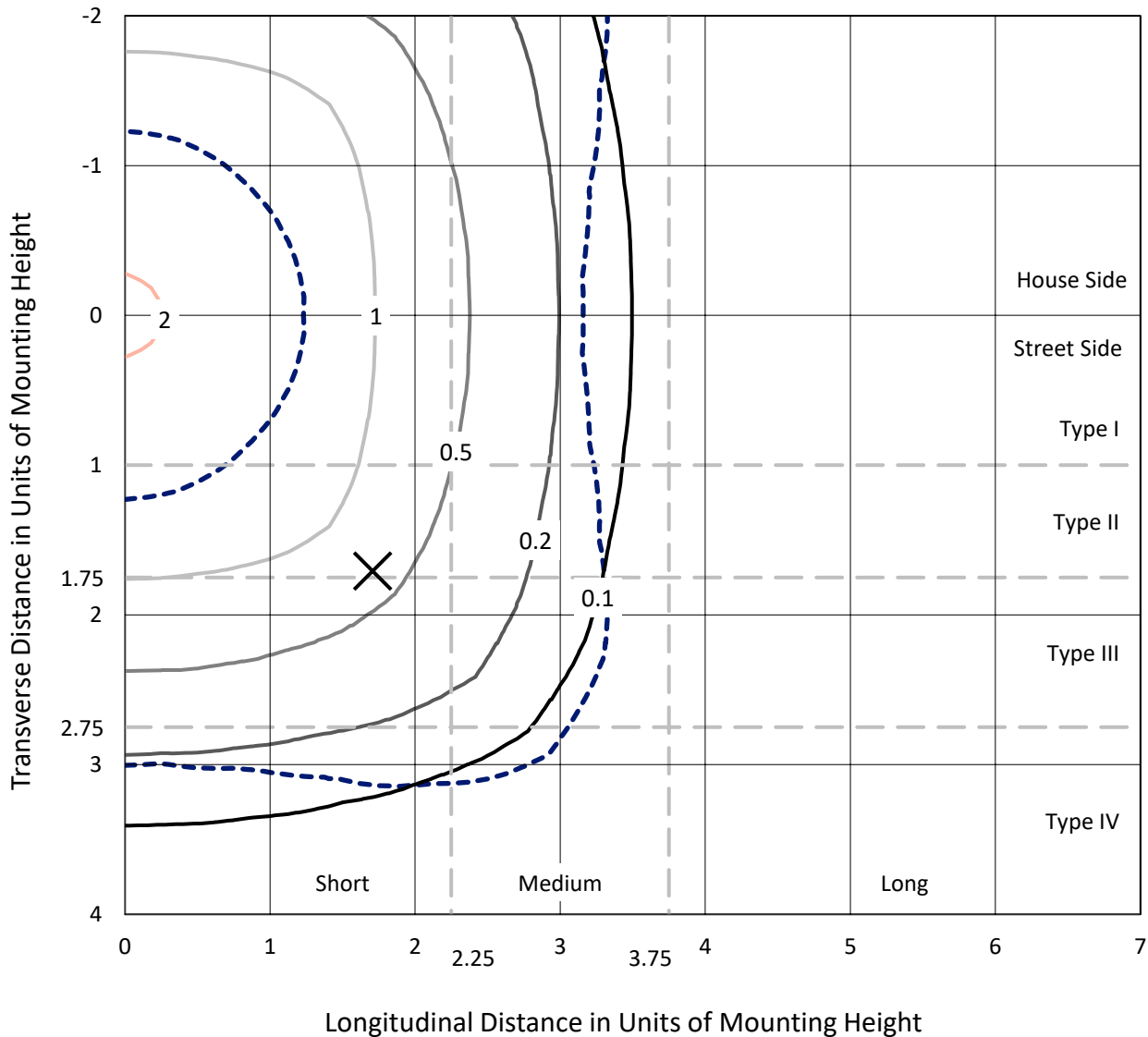
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

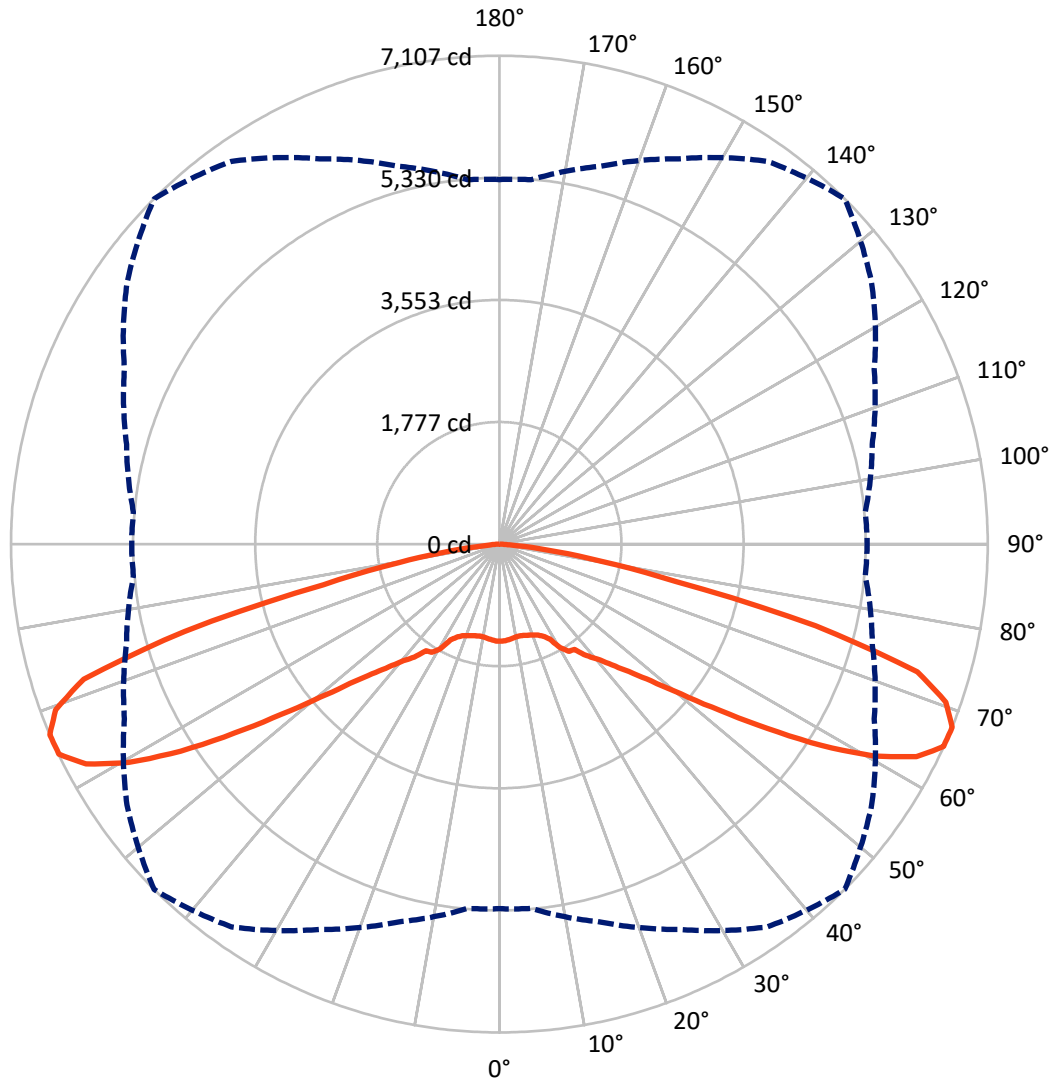
✕ Max cd
 - - - 1/2 Max cd



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	9000.4	0.0	9000.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9000.4	0.0	9000.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18000.8	0.0	18000.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	0.7
10°-20°	393.3	2.2
20°-30°	705.6	3.9
30°-40°	1191.9	6.6
40°-50°	2094.2	11.6
50°-60°	4039.8	22.4
60°-70°	5861.1	32.6
70°-80°	3353.5	18.6
80°-90°	228.9	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°	18000.8	100.0
0°-180°	18000.8	100.0

Coefficient of Utilization



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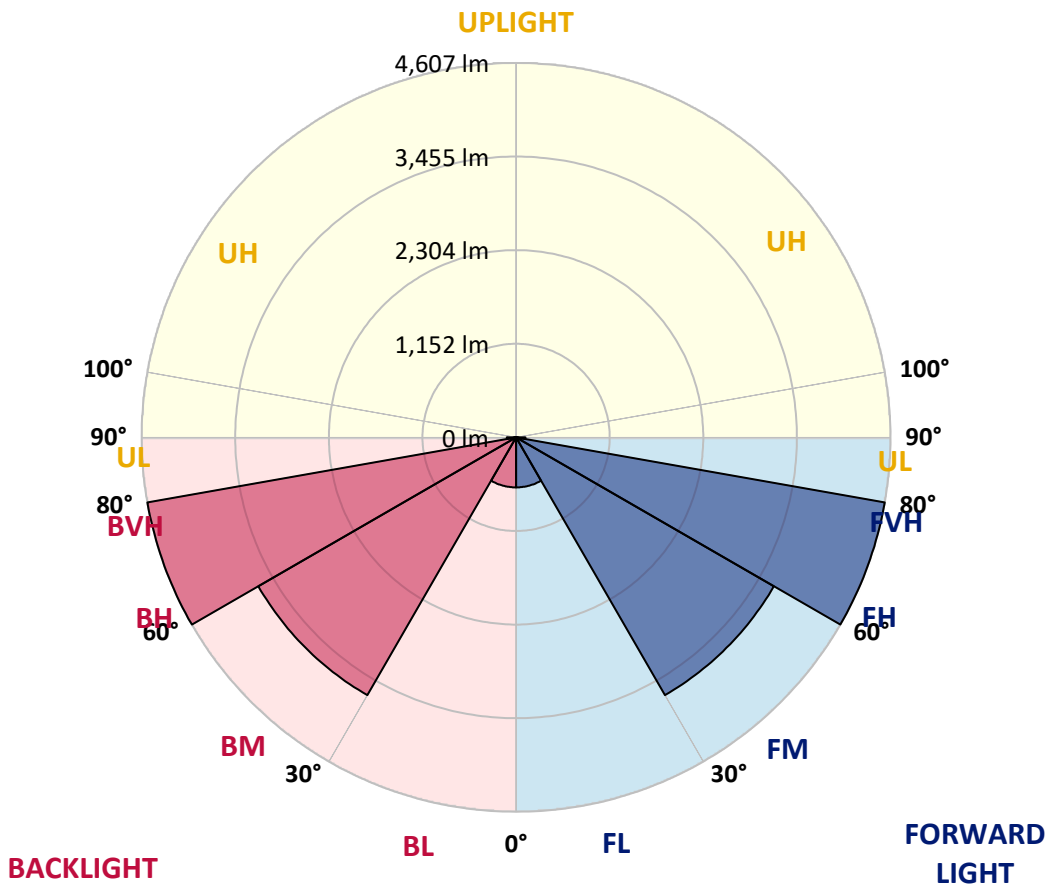
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.7	3.4			
FM (30°-60°)	3662.9	20.3			
FH (60°-80°)	4607.3	25.6			G2/5000
FVH (80°-90°)	114.4	0.6			G2/225
BL (0°-30°)	615.7	3.4	B2/1000		
BM (30°-60°)	3662.9	20.3	B3/5000		
BH (60°-80°)	4607.3	25.6	B4/5000		G2/5000
BVH (80°-90°)	114.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		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°	1411.6	1411.6	1411.6	1411.6	1411.6	1411.6	1411.6	1411.6	1411.6	1411.6	1411.6
2.5°	1400.2	1401.4	1404.0	1404.0	1406.5	1410.4	1411.6	1409.1	1410.4	1404.0	1410.4
5°	1396.4	1397.6	1398.9	1396.4	1396.4	1397.6	1397.6	1395.1	1396.4	1390.0	1396.4
7.5°	1387.4	1388.7	1388.7	1384.9	1381.1	1383.6	1383.6	1381.1	1382.4	1376.0	1383.6
10°	1379.8	1379.8	1378.5	1370.9	1367.1	1370.9	1372.2	1373.4	1378.5	1373.4	1382.4
12.5°	1384.9	1384.9	1381.1	1370.9	1364.5	1367.1	1369.6	1372.2	1381.1	1379.8	1390.0
15°	1398.9	1400.2	1390.0	1378.5	1374.7	1378.5	1376.0	1374.7	1386.2	1390.0	1401.4
17.5°	1410.4	1410.4	1397.6	1386.2	1387.4	1393.8	1388.7	1382.4	1393.8	1401.4	1414.2
20°	1420.5	1419.3	1405.3	1397.6	1402.7	1411.6	1407.8	1398.9	1406.5	1415.4	1426.9
22.5°	1446.0	1444.7	1429.5	1425.6	1430.7	1439.6	1435.8	1428.2	1437.1	1449.8	1463.8
25°	1518.6	1516.0	1493.1	1480.4	1477.8	1484.2	1482.9	1480.4	1494.4	1509.6	1526.2
27.5°	1615.3	1614.0	1597.5	1584.7	1568.2	1563.1	1566.9	1578.4	1598.7	1610.2	1624.2
30°	1663.7	1663.7	1661.1	1681.5	1717.1	1751.5	1724.8	1681.5	1663.7	1658.6	1672.6
32.5°	1727.3	1733.7	1724.8	1747.7	1807.5	1858.4	1807.5	1737.5	1724.8	1724.8	1740.0
35°	1873.7	1876.2	1862.2	1858.4	1877.5	1883.9	1859.7	1834.2	1848.2	1850.8	1869.9
37.5°	1990.8	1990.8	1984.4	1994.6	2034.1	2058.3	2018.8	1973.0	1976.8	1979.3	2003.5
40°	2171.5	2176.6	2161.4	2160.1	2175.4	2197.0	2155.0	2125.7	2146.1	2152.4	2189.4
42.5°	2396.8	2396.8	2373.9	2367.6	2377.8	2400.7	2361.2	2342.1	2368.8	2373.9	2395.6
45°	2665.4	2671.8	2641.2	2629.8	2634.9	2642.5	2614.5	2605.6	2631.1	2642.5	2680.7
47.5°	2992.6	2998.9	2972.2	2970.9	2965.8	2970.9	2944.2	2939.1	2959.5	2950.5	2991.3
50°	3396.1	3407.5	3384.6	3416.4	3412.6	3427.9	3391.0	3364.2	3364.2	3340.1	3363.0
52.5°	3847.9	3870.8	3882.3	3935.8	3976.5	4014.7	3953.6	3911.6	3850.5	3800.8	3863.2
55°	4340.5	4334.2	4406.7	4523.8	4643.5	4733.9	4614.2	4481.8	4382.5	4279.4	4303.6
57.5°	4772.0	4793.7	4889.2	5103.0	5339.8	5530.7	5315.6	5061.0	4835.7	4688.0	4708.4
60°	5131.0	5148.8	5276.1	5584.1	5997.8	6261.3	5920.2	5500.1	5173.0	4969.3	4991.0
62.5°	5462.0	5478.5	5607.1	5946.9	6468.8	6812.5	6372.1	5798.0	5433.9	5229.0	5241.7
65°	5652.9	5663.1	5838.7	6196.4	6746.3	7101.4	6605.0	6013.1	5655.4	5446.7	5454.3
67.5°	5305.4	5321.9	5692.3	6186.2	6799.8	7106.5	6615.2	6019.5	5617.2	5344.8	5351.2
70°	4185.2	4171.2	4612.9	5462.0	6493.0	6892.7	6321.1	5567.6	4946.4	4565.8	4559.5
72.5°	3191.1	3194.9	3440.6	4022.3	5293.9	6360.6	5577.8	4483.1	3813.6	3524.6	3513.2
75°	2314.1	2349.7	2549.6	2976.0	3702.8	4754.2	4199.2	3322.2	2874.2	2701.1	2675.6
77.5°	1042.5	1088.3	1367.1	1868.6	2475.8	2627.2	2637.4	2255.6	1701.8	1414.2	1369.6
80°	304.2	325.9	418.8	716.6	1153.2	1490.5	1183.8	995.4	619.9	486.2	463.3
82.5°	128.6	146.4	179.5	198.6	334.8	691.2	430.2	273.7	254.6	206.2	188.4
85°	54.7	58.6	75.1	80.2	108.2	147.7	136.2	123.5	118.4	91.6	84.0
87.5°	22.9	22.9	22.9	20.4	19.1	20.4	28.0	35.6	47.1	36.9	34.4
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)