

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: P639284

Luminaire Tested: GWS-SA5B-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9558.2 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

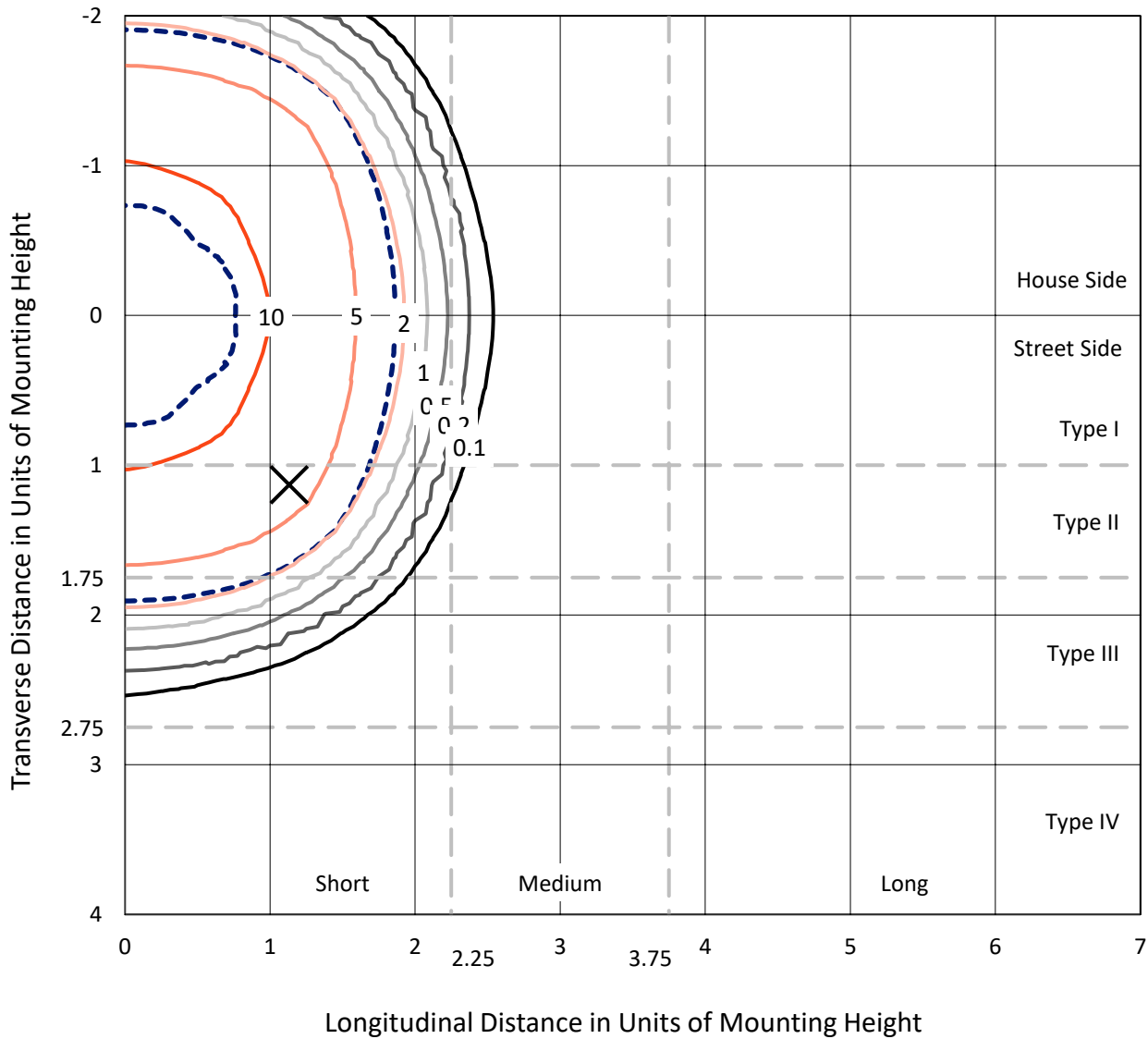


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Iso-Footcandle Lines of Horizontal Illumination

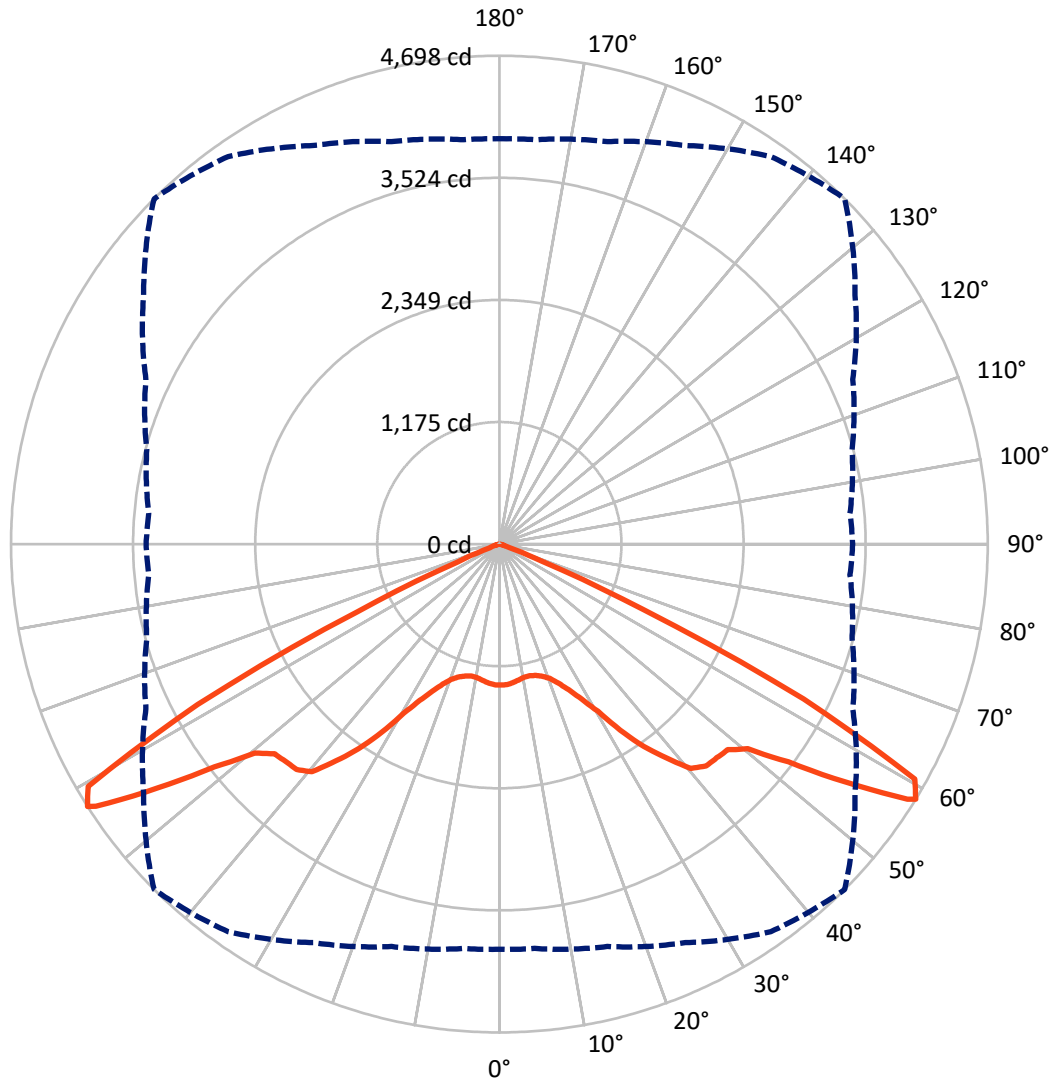
✕ Max cd
 - - - 1/2 Max cd



Based on 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 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4779.1	0.0	4779.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4779.1	0.0	4779.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9558.2	0.0	9558.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	1.3
10°-20°	374.2	3.9
20°-30°	707.7	7.4
30°-40°	1395.8	14.6
40°-50°	2208.9	23.1
50°-60°	3246.9	34.0
60°-70°	1449.3	15.2
70°-80°	48.6	0.5
80°-90°	0.4	0.0
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°	9558.2	100.0
0°-180°	9558.2	100.0

Coefficient of Utilization



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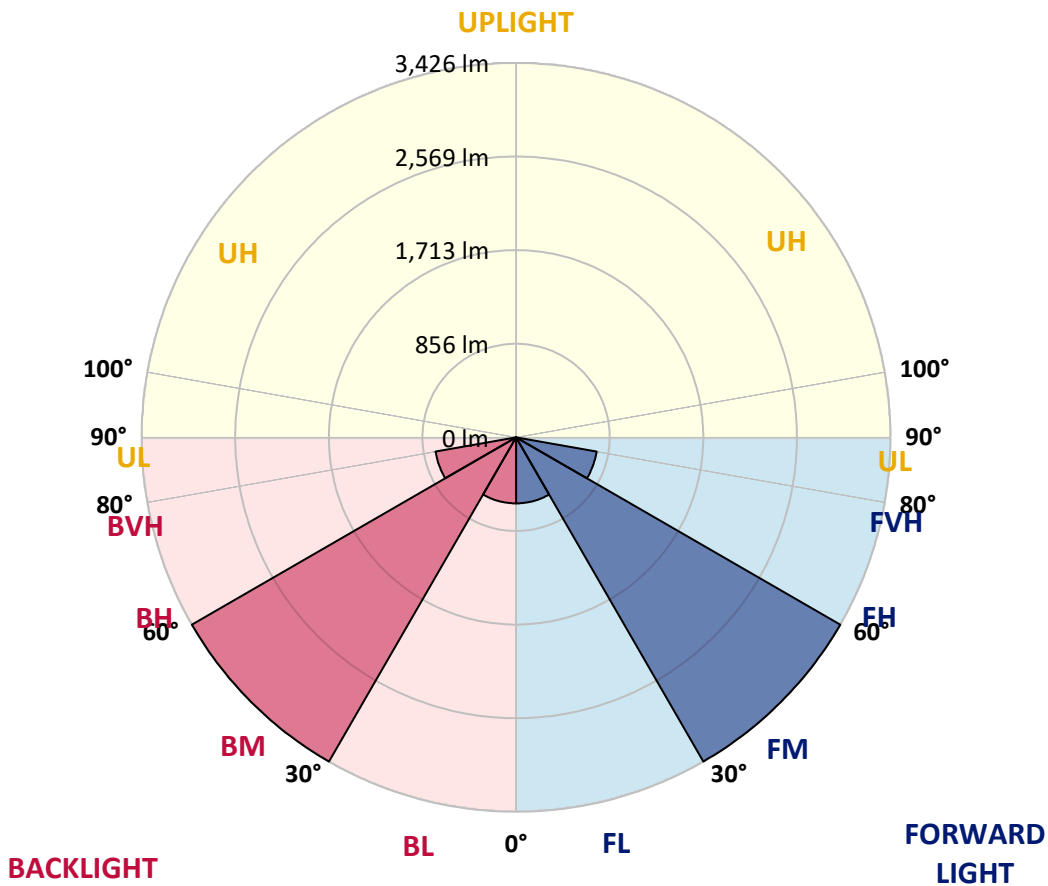
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	604.2	6.3			
FM (30°-60°)	3425.8	35.8			
FH (60°-80°)	748.9	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	604.2	6.3	B2/1000		
BM (30°-60°)	3425.8	35.8	B3/5000		
BH (60°-80°)	748.9	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	0.0			G0/10
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°	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5	1355.5
2.5°	1342.5	1345.1	1347.7	1349.0	1350.3	1354.2	1355.5	1351.6	1351.6	1343.8	1352.9
5°	1335.9	1338.6	1341.2	1339.9	1339.9	1339.9	1338.6	1333.3	1332.0	1324.2	1333.3
7.5°	1324.2	1326.8	1326.8	1322.9	1320.3	1320.3	1319.0	1312.5	1311.2	1303.4	1312.5
10°	1315.1	1316.4	1315.1	1307.3	1302.1	1302.1	1300.8	1298.2	1299.5	1294.3	1302.1
12.5°	1320.3	1321.6	1316.4	1306.0	1299.5	1298.2	1294.3	1290.4	1294.3	1293.0	1300.8
15°	1337.3	1338.6	1329.4	1316.4	1311.2	1311.2	1300.8	1290.4	1295.6	1296.9	1306.0
17.5°	1358.1	1358.1	1346.4	1334.6	1335.9	1335.9	1319.0	1300.8	1302.1	1307.3	1316.4
20°	1382.8	1382.8	1371.1	1368.5	1377.6	1378.9	1358.1	1329.4	1322.9	1326.8	1337.3
22.5°	1427.1	1427.1	1418.0	1424.5	1445.3	1451.8	1420.6	1380.2	1364.6	1367.2	1377.6
25°	1496.1	1496.1	1493.5	1509.1	1539.1	1553.4	1511.7	1458.3	1432.3	1428.4	1440.1
27.5°	1612.0	1613.3	1609.4	1632.8	1670.6	1687.5	1630.2	1559.9	1528.7	1522.1	1533.9
30°	1761.7	1761.7	1763.0	1795.6	1845.1	1867.2	1791.7	1709.6	1673.2	1652.4	1668.0
32.5°	1928.4	1931.0	1944.0	1998.7	2086.0	2131.5	2020.9	1906.3	1847.7	1825.5	1842.5
35°	2203.1	2178.4	2162.8	2203.1	2329.4	2389.3	2247.4	2113.3	2069.0	2066.4	2109.4
37.5°	2475.3	2461.0	2428.4	2470.1	2583.4	2610.7	2454.4	2342.5	2311.2	2328.1	2371.1
40°	2691.4	2665.4	2622.4	2661.5	2809.9	2837.3	2644.6	2533.9	2522.2	2559.9	2618.5
42.5°	2862.0	2825.5	2768.3	2777.4	2897.2	2916.7	2746.1	2662.8	2670.6	2717.5	2783.9
45°	2938.8	2910.2	2859.4	2855.5	2931.0	2932.3	2798.2	2755.2	2776.1	2812.5	2864.6
47.5°	2971.4	2958.4	2929.7	2923.2	2966.2	2955.8	2872.4	2854.2	2873.7	2884.1	2914.1
50°	3052.1	3052.1	3056.0	3061.2	3105.5	3095.1	3036.5	3015.7	2990.9	2954.5	2963.6
52.5°	3278.7	3287.8	3325.5	3367.2	3447.9	3481.8	3386.7	3265.7	3147.2	3067.7	3067.7
55°	3687.5	3696.6	3740.9	3811.2	3959.7	4040.4	3819.0	3552.1	3389.4	3281.3	3295.6
57.5°	3912.8	3923.2	4014.4	4204.5	4492.2	4628.9	4153.7	3757.8	3530.0	3406.3	3416.7
58°	3898.5	3905.0	4007.8	4230.5	4550.8	4698.0	4177.1	3751.3	3511.7	3385.4	3398.5
60°	3463.6	3454.5	3618.5	3936.2	4388.1	4591.2	3944.0	3424.5	3145.9	3017.0	3023.5
62.5°	2264.3	2269.6	2411.5	2743.5	3095.1	3286.5	2755.2	2368.5	2144.5	2066.4	2046.9
65°	945.3	928.4	1015.6	1200.5	1411.5	1518.2	1304.7	1104.2	966.2	914.1	928.4
67.5°	243.5	237.0	242.2	303.4	371.1	438.8	368.5	281.3	244.8	247.4	247.4
70°	138.0	130.2	105.5	97.7	95.1	95.1	95.1	95.1	109.4	128.9	132.8
72.5°	104.2	97.7	76.8	66.4	58.6	54.7	57.3	66.4	79.4	96.4	99.0
75°	52.1	52.1	46.9	44.3	39.1	36.5	37.8	41.7	48.2	54.7	53.4
77.5°	10.4	11.7	13.0	15.6	13.0	13.0	13.0	15.6	15.6	16.9	15.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)