

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: P639174

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639174
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9216 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

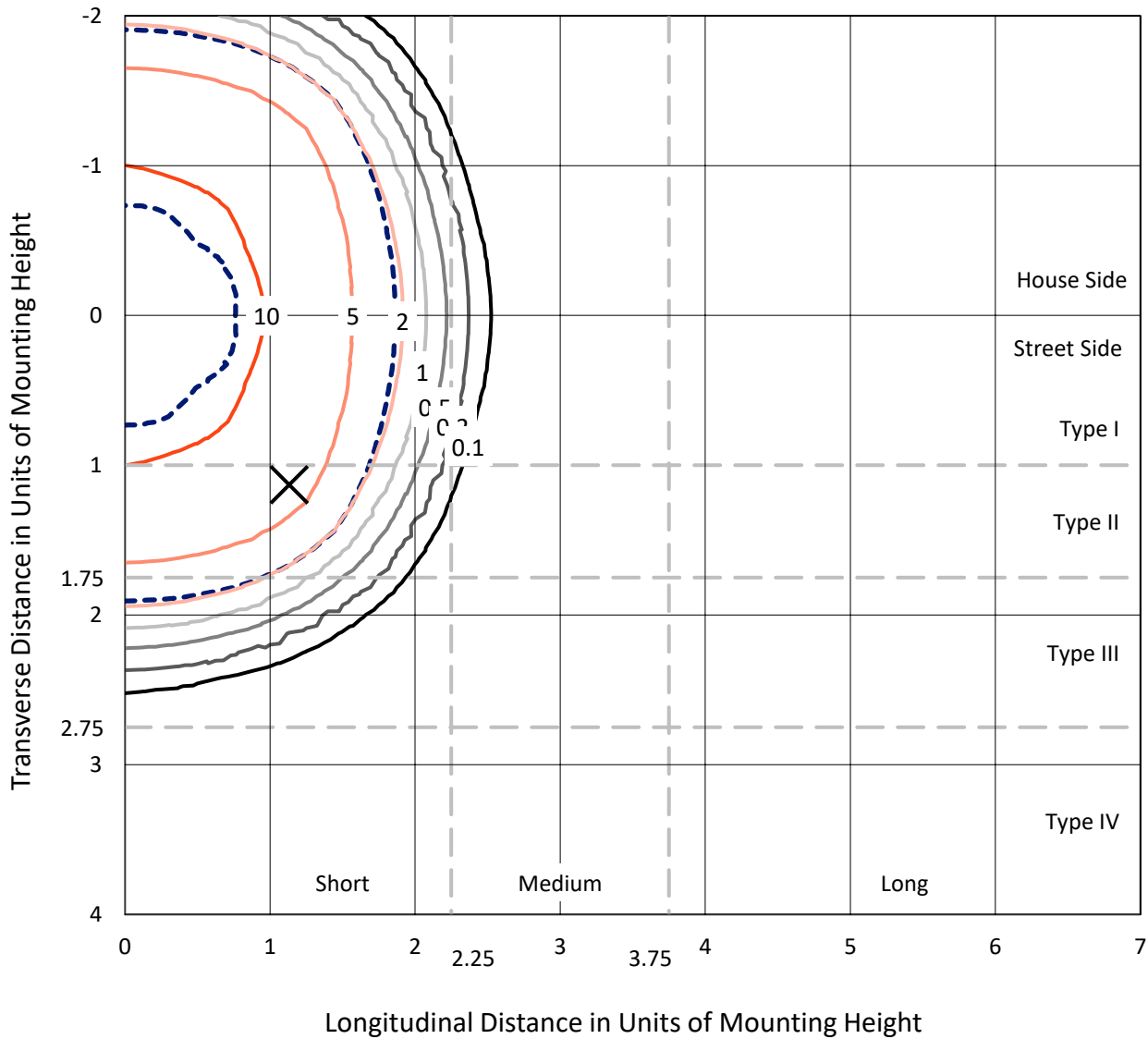
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

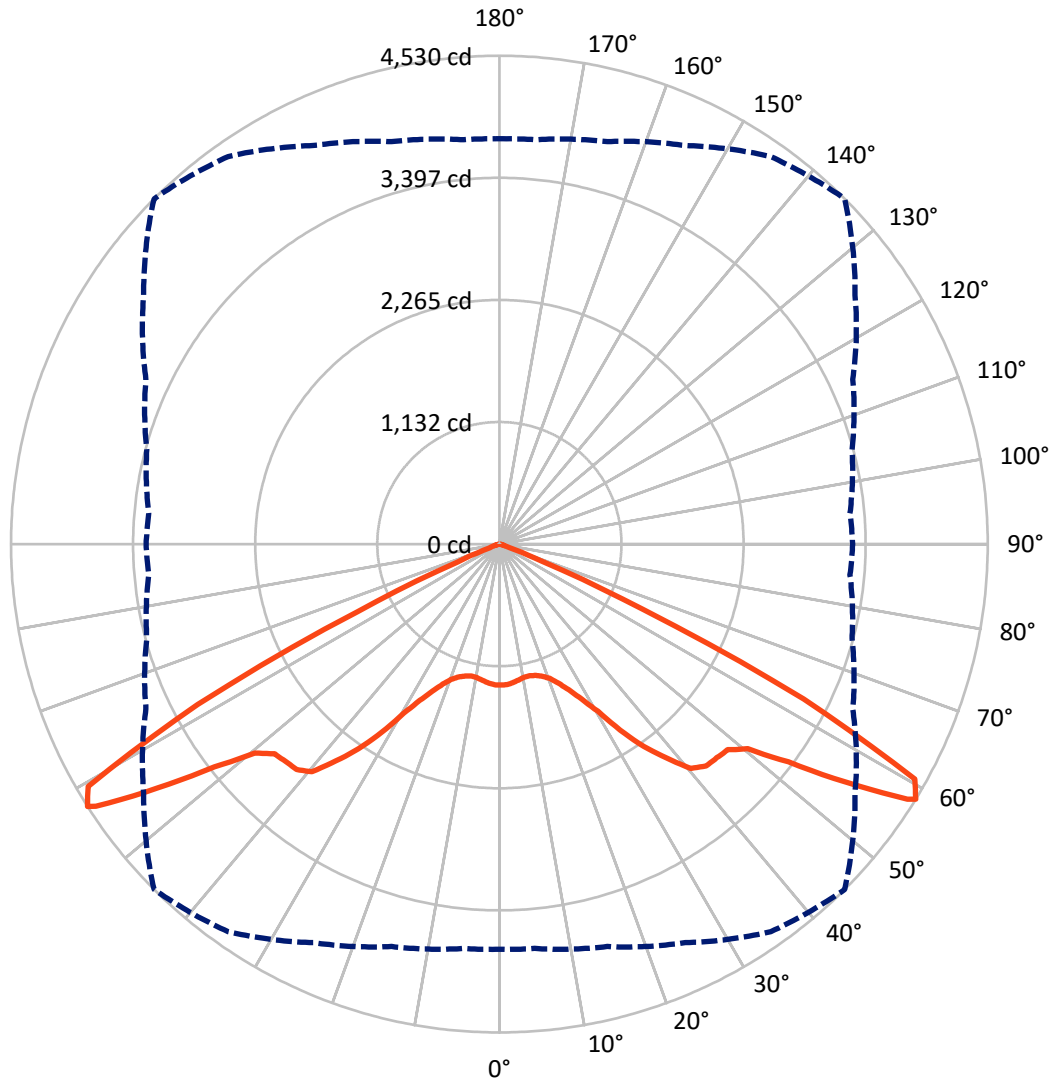
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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	4608.0	0.0	4608.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4608.0	0.0	4608.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9216.0	0.0	9216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	1.3
10°-20°	360.8	3.9
20°-30°	682.4	7.4
30°-40°	1345.8	14.6
40°-50°	2129.8	23.1
50°-60°	3130.6	34.0
60°-70°	1397.4	15.2
70°-80°	46.8	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°	9216.0	100.0
0°-180°	9216.0	100.0

Coefficient of Utilization



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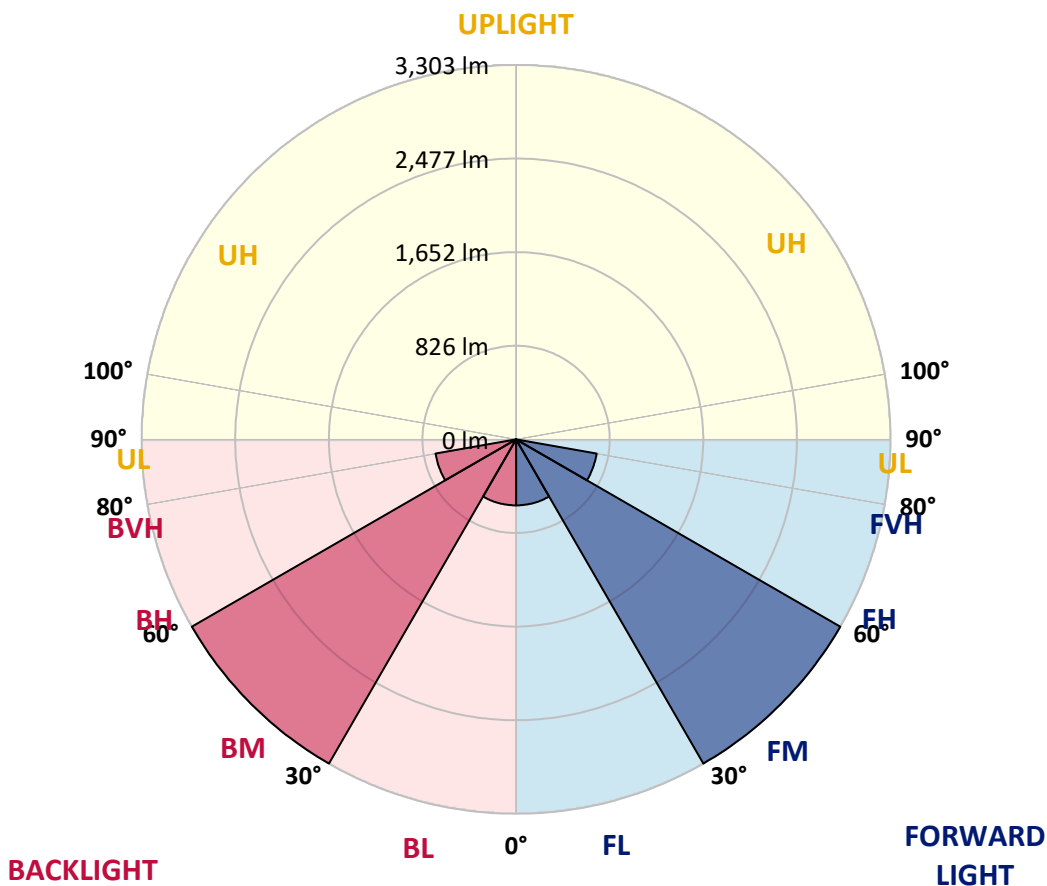
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.6	6.3			
FM (30°-60°)	3303.1	35.8			
FH (60°-80°)	722.1	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	582.6	6.3	B2/1000		
BM (30°-60°)	3303.1	35.8	B3/5000		
BH (60°-80°)	722.1	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°	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0
2.5°	1294.4	1296.9	1299.4	1300.7	1301.9	1305.7	1307.0	1303.2	1303.2	1295.7	1304.4
5°	1288.1	1290.6	1293.1	1291.9	1291.9	1291.9	1290.6	1285.6	1284.4	1276.8	1285.6
7.5°	1276.8	1279.3	1279.3	1275.6	1273.1	1273.1	1271.8	1265.5	1264.3	1256.7	1265.5
10°	1268.0	1269.3	1268.0	1260.5	1255.5	1255.5	1254.2	1251.7	1253.0	1247.9	1255.5
12.5°	1273.1	1274.3	1269.3	1259.2	1253.0	1251.7	1247.9	1244.2	1247.9	1246.7	1254.2
15°	1289.4	1290.6	1281.8	1269.3	1264.3	1264.3	1254.2	1244.2	1249.2	1250.5	1259.2
17.5°	1309.5	1309.5	1298.2	1286.9	1288.1	1288.1	1271.8	1254.2	1255.5	1260.5	1269.3
20°	1333.3	1333.3	1322.0	1319.5	1328.3	1329.6	1309.5	1281.8	1275.6	1279.3	1289.4
22.5°	1376.0	1376.0	1367.2	1373.5	1393.6	1399.9	1369.7	1330.8	1315.7	1318.3	1328.3
25°	1442.5	1442.5	1440.0	1455.1	1484.0	1497.8	1457.6	1406.1	1381.0	1377.3	1388.6
27.5°	1554.3	1555.5	1551.8	1574.4	1610.8	1627.1	1571.9	1504.1	1473.9	1467.7	1479.0
30°	1698.7	1698.7	1699.9	1731.3	1779.0	1800.4	1727.5	1648.4	1613.3	1593.2	1608.3
32.5°	1859.4	1861.9	1874.4	1927.2	2011.3	2055.2	1948.5	1838.0	1781.5	1760.2	1776.5
35°	2124.3	2100.4	2085.3	2124.3	2246.0	2303.8	2167.0	2037.6	1995.0	1992.4	2033.9
37.5°	2386.7	2372.9	2341.5	2381.6	2490.9	2517.2	2366.6	2258.6	2228.5	2244.8	2286.2
40°	2595.1	2570.0	2528.5	2566.2	2709.3	2735.7	2549.9	2443.2	2431.9	2468.3	2524.8
42.5°	2759.5	2724.4	2669.1	2677.9	2793.4	2812.3	2647.8	2567.5	2575.0	2620.2	2684.2
45°	2833.6	2806.0	2757.0	2753.3	2826.1	2827.3	2698.0	2656.6	2676.7	2711.8	2762.0
47.5°	2865.0	2852.4	2824.8	2818.5	2860.0	2849.9	2769.6	2752.0	2770.8	2780.9	2809.8
50°	2942.8	2942.8	2946.6	2951.6	2994.3	2984.3	2927.8	2907.7	2883.8	2848.7	2857.5
52.5°	3161.3	3170.1	3206.5	3246.7	3324.5	3357.1	3265.5	3148.7	3034.5	2957.9	2957.9
55°	3555.5	3564.3	3607.0	3674.8	3817.9	3895.7	3682.3	3424.9	3268.0	3163.8	3177.6
57.5°	3772.7	3782.8	3870.6	4053.9	4331.4	4463.2	4005.0	3623.3	3403.6	3284.3	3294.4
58°	3758.9	3765.2	3864.4	4079.0	4387.9	4529.8	4027.6	3617.0	3386.0	3264.2	3276.8
60°	3339.6	3330.8	3489.0	3795.3	4231.0	4426.8	3802.8	3301.9	3033.2	2908.9	2915.2
62.5°	2183.3	2188.3	2325.1	2645.3	2984.3	3168.8	2656.6	2283.7	2067.8	1992.4	1973.6
65°	911.5	895.2	979.3	1157.5	1360.9	1463.9	1258.0	1064.6	931.6	881.3	895.2
67.5°	234.8	228.5	233.5	292.5	357.8	423.1	355.3	271.2	236.0	238.5	238.5
70°	133.1	125.5	101.7	94.2	91.6	91.6	91.6	91.6	105.5	124.3	128.1
72.5°	100.4	94.2	74.1	64.0	56.5	52.7	55.2	64.0	76.6	92.9	95.4
75°	50.2	50.2	45.2	42.7	37.7	35.2	36.4	40.2	46.5	52.7	51.5
77.5°	10.0	11.3	12.6	15.1	12.6	12.6	12.6	15.1	15.1	16.3	15.1
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)