

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: P639504

Luminaire Tested: GWS-SA5C-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639504
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-SA5C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9230.6 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

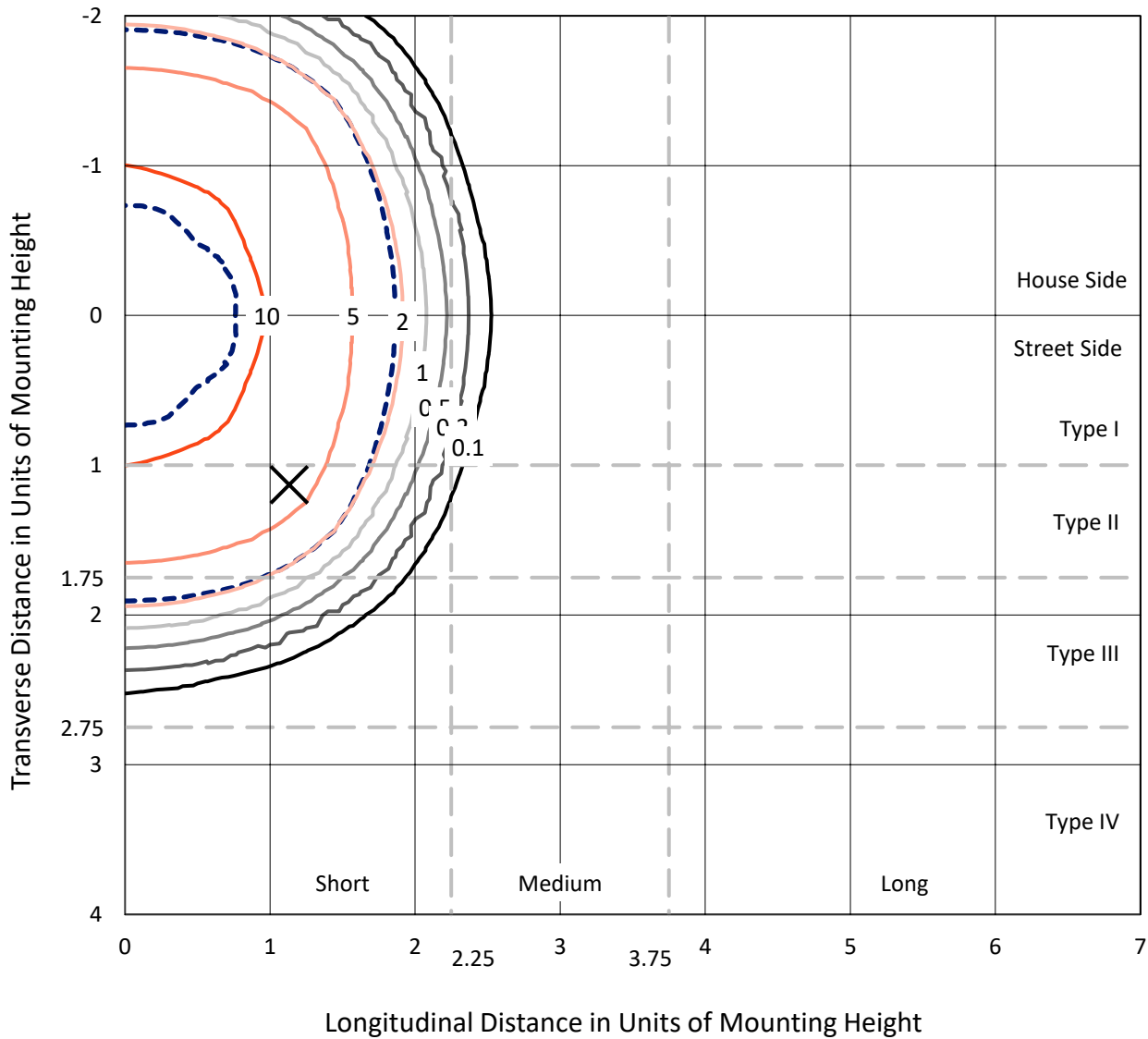
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

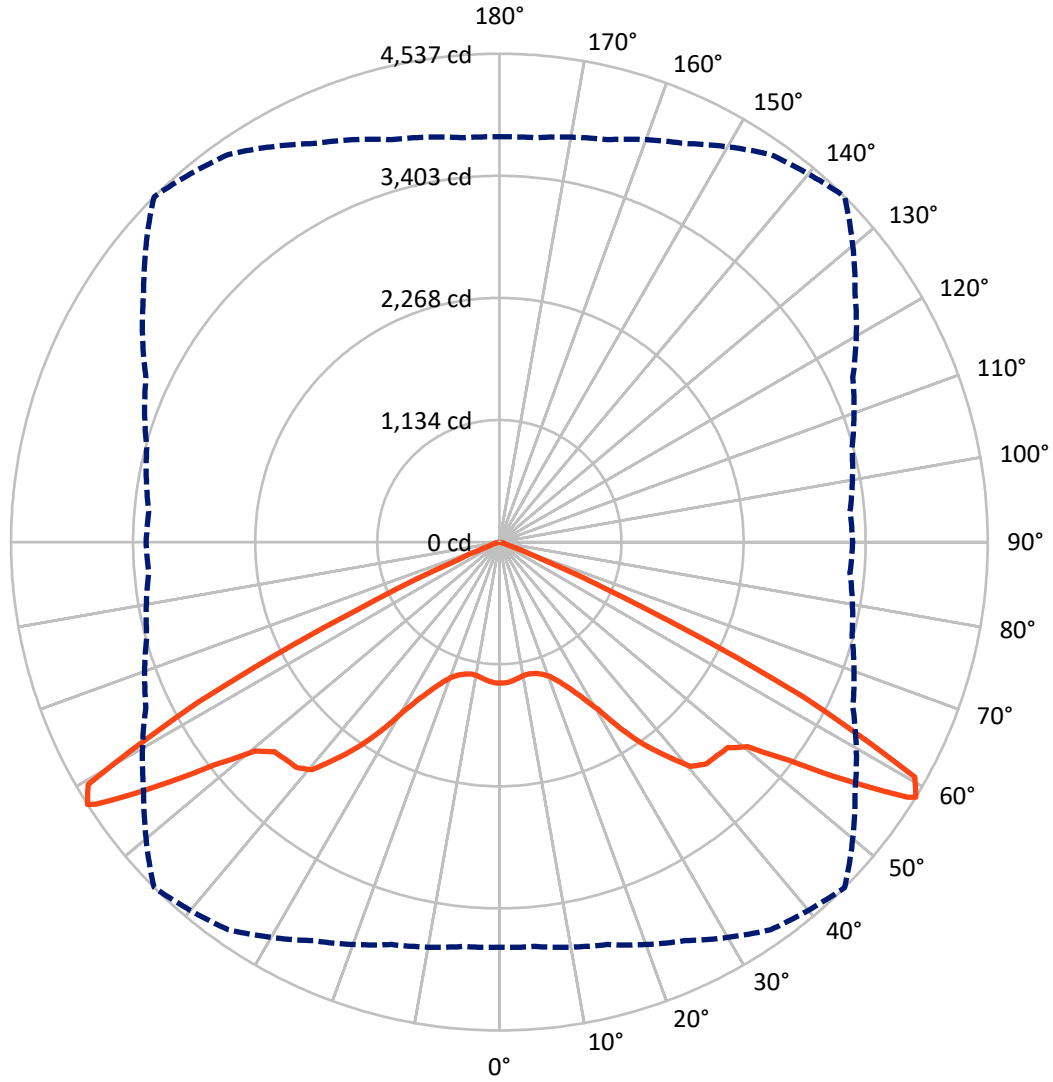
✕ Max cd
 - - - 1/2 Max cd



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	4615.3	0.0	4615.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4615.3	0.0	4615.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9230.6	0.0	9230.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	1.3
10°-20°	361.4	3.9
20°-30°	683.5	7.4
30°-40°	1348.0	14.6
40°-50°	2133.1	23.1
50°-60°	3135.6	34.0
60°-70°	1399.6	15.2
70°-80°	46.9	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°	9230.6	100.0
0°-180°	9230.6	100.0

Coefficient of Utilization



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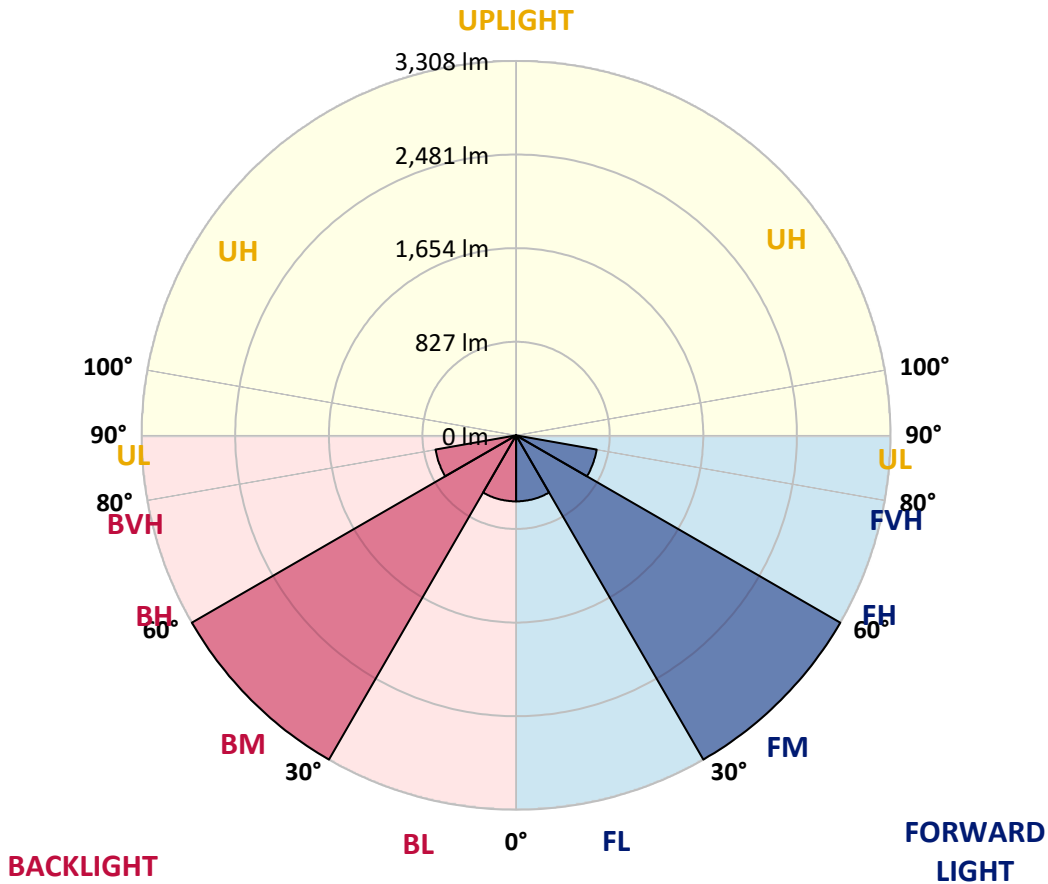
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.5	6.3			
FM (30°-60°)	3308.4	35.8			
FH (60°-80°)	723.2	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	583.5	6.3	B2/1000		
BM (30°-60°)	3308.4	35.8	B3/5000		
BH (60°-80°)	723.2	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°	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0
2.5°	1296.4	1299.0	1301.5	1302.7	1304.0	1307.8	1309.0	1305.2	1305.2	1297.7	1306.5
5°	1290.2	1292.7	1295.2	1293.9	1293.9	1293.9	1292.7	1287.6	1286.4	1278.8	1287.6
7.5°	1278.8	1281.4	1281.4	1277.6	1275.1	1275.1	1273.8	1267.5	1266.3	1258.7	1267.5
10°	1270.0	1271.3	1270.0	1262.5	1257.5	1257.5	1256.2	1253.7	1255.0	1249.9	1257.5
12.5°	1275.1	1276.3	1271.3	1261.2	1255.0	1253.7	1249.9	1246.1	1249.9	1248.7	1256.2
15°	1291.4	1292.7	1283.9	1271.3	1266.3	1266.3	1256.2	1246.1	1251.2	1252.4	1261.2
17.5°	1311.5	1311.5	1300.2	1288.9	1290.2	1290.2	1273.8	1256.2	1257.5	1262.5	1271.3
20°	1335.4	1335.4	1324.1	1321.6	1330.4	1331.7	1311.5	1283.9	1277.6	1281.4	1291.4
22.5°	1378.2	1378.2	1369.4	1375.7	1395.8	1402.1	1371.9	1332.9	1317.8	1320.3	1330.4
25°	1444.8	1444.8	1442.3	1457.4	1486.3	1500.2	1459.9	1408.4	1383.2	1379.4	1390.8
27.5°	1556.7	1558.0	1554.2	1576.9	1613.3	1629.7	1574.3	1506.4	1476.3	1470.0	1481.3
30°	1701.4	1701.4	1702.6	1734.0	1781.8	1803.2	1730.3	1651.1	1615.8	1595.7	1610.8
32.5°	1862.3	1864.8	1877.4	1930.2	2014.5	2058.5	1951.6	1840.9	1784.3	1763.0	1779.3
35°	2127.6	2103.7	2088.7	2127.6	2249.6	2307.4	2170.4	2040.9	1998.1	1995.6	2037.1
37.5°	2390.4	2376.6	2345.2	2385.4	2494.8	2521.2	2370.3	2262.2	2232.0	2248.3	2289.8
40°	2599.2	2574.0	2532.5	2570.3	2713.6	2740.0	2553.9	2447.0	2435.7	2472.2	2528.8
42.5°	2763.9	2728.7	2673.4	2682.2	2797.9	2816.7	2652.0	2571.5	2579.1	2624.3	2688.5
45°	2838.1	2810.4	2761.4	2757.6	2830.6	2831.8	2702.3	2660.8	2680.9	2716.1	2766.4
47.5°	2869.5	2857.0	2829.3	2823.0	2864.5	2854.4	2774.0	2756.4	2775.2	2785.3	2814.2
50°	2947.5	2947.5	2951.3	2956.3	2999.1	2989.0	2932.4	2912.3	2888.4	2853.2	2862.0
52.5°	3166.3	3175.1	3211.6	3251.8	3329.8	3362.5	3270.7	3153.7	3039.3	2962.6	2962.6
55°	3561.1	3569.9	3612.7	3680.6	3824.0	3901.9	3688.1	3430.4	3273.2	3168.8	3182.6
57.5°	3778.7	3788.7	3876.8	4060.4	4338.3	4470.3	4011.3	3629.0	3409.0	3289.5	3299.6
58°	3764.9	3771.1	3870.5	4085.5	4394.8	4536.9	4034.0	3622.8	3391.4	3269.4	3282.0
60°	3344.9	3336.1	3494.5	3801.3	4237.7	4433.8	3808.9	3307.1	3038.0	2913.5	2919.8
62.5°	2186.7	2191.8	2328.8	2649.5	2989.0	3173.8	2660.8	2287.3	2071.0	1995.6	1976.7
65°	912.9	896.6	980.8	1159.4	1363.1	1466.2	1260.0	1066.3	933.0	882.7	896.6
67.5°	235.1	228.9	233.9	293.0	358.4	423.8	355.9	271.6	236.4	238.9	238.9
70°	133.3	125.7	101.9	94.3	91.8	91.8	91.8	91.8	105.6	124.5	128.3
72.5°	100.6	94.3	74.2	64.1	56.6	52.8	55.3	64.1	76.7	93.1	95.6
75°	50.3	50.3	45.3	42.8	37.7	35.2	36.5	40.2	46.5	52.8	51.6
77.5°	10.1	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)