

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: P639229

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639229
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9344.1 lumens
Efficiency: N/A
Efficacy: 80.8 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

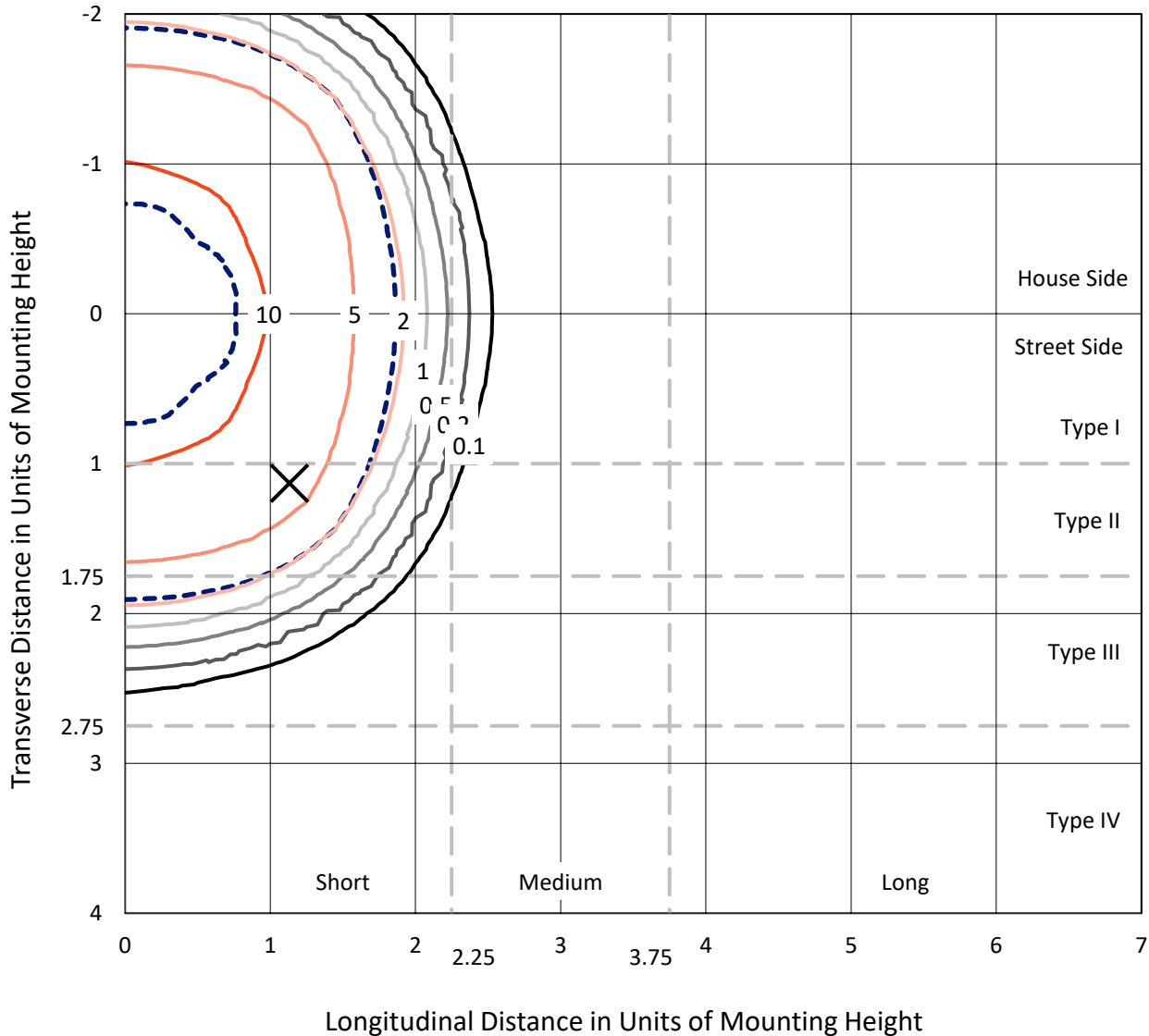


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Iso-Footcandle Lines of Horizontal Illumination

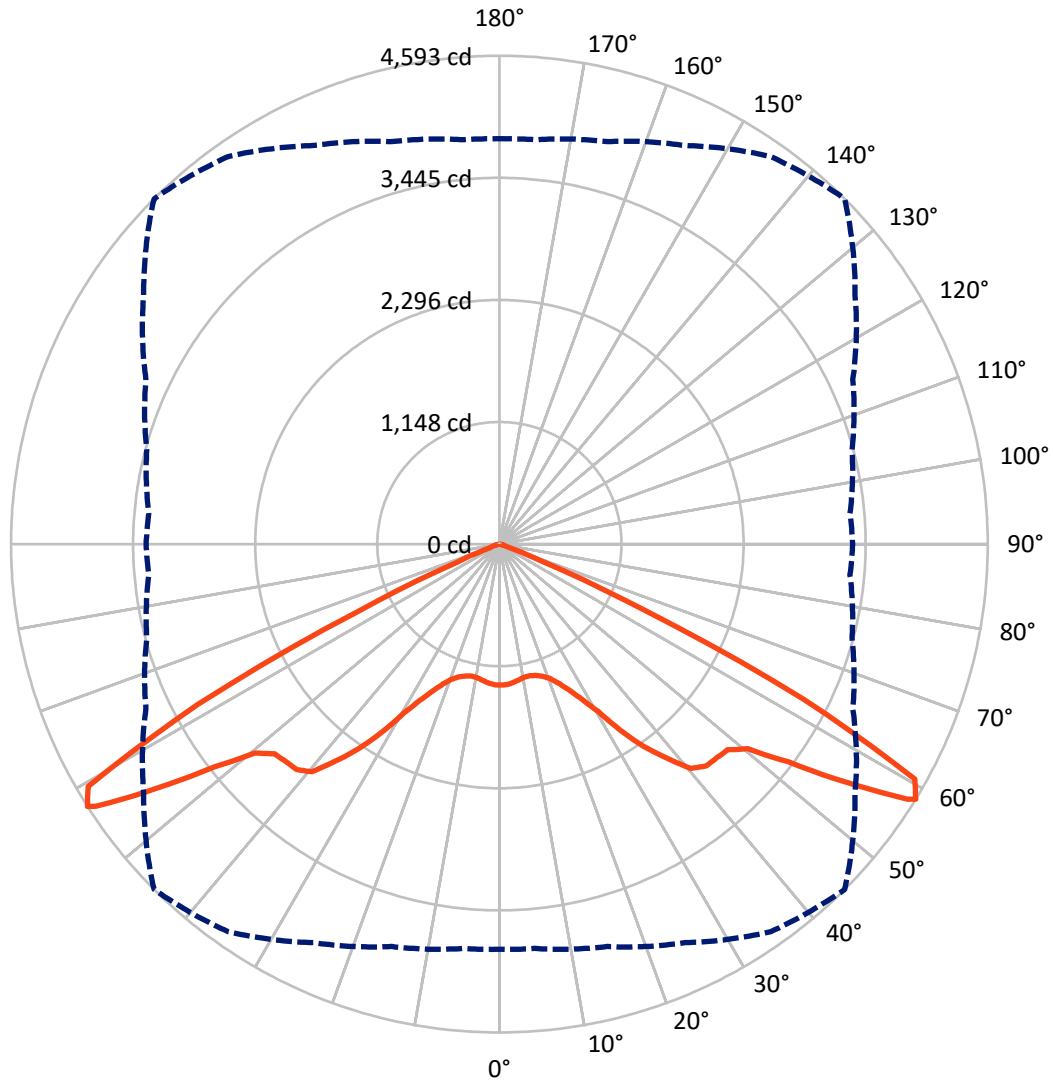
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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	4672.1	0.0	4672.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4672.1	0.0	4672.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9344.1	0.0	9344.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.6	1.3
10°-20°	365.8	3.9
20°-30°	691.9	7.4
30°-40°	1364.5	14.6
40°-50°	2159.4	23.1
50°-60°	3174.2	34.0
60°-70°	1416.8	15.2
70°-80°	47.5	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°	9344.1	100.0
0°-180°	9344.1	100.0

Coefficient of Utilization



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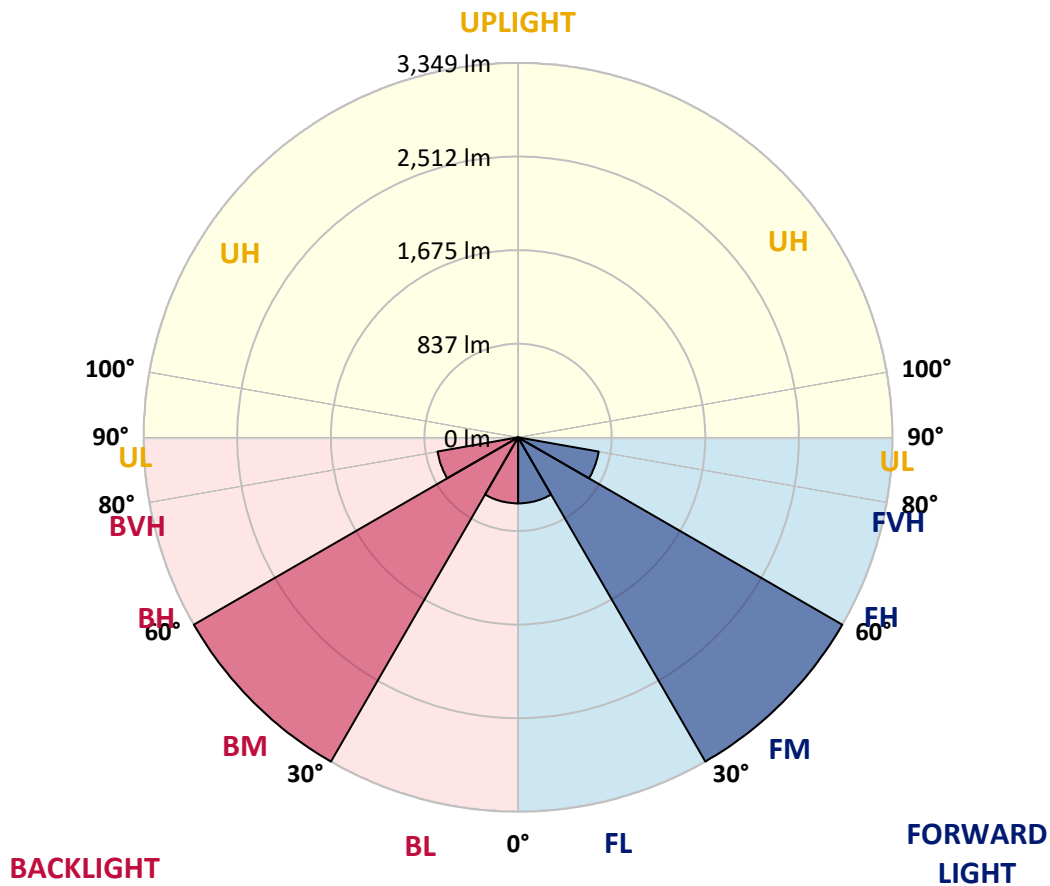
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.7	6.3			
FM (30°-60°)	3349.0	35.8			
FH (60°-80°)	732.1	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	590.7	6.3	B2/1000		
BM (30°-60°)	3349.0	35.8	B3/5000		
BH (60°-80°)	732.1	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°	1325.1	1325.1	1325.1	1325.1	1325.1	1325.1	1325.1	1325.1	1325.1	1325.1	1325.1
2.5°	1312.4	1314.9	1317.5	1318.8	1320.0	1323.8	1325.1	1321.3	1321.3	1313.7	1322.6
5°	1306.0	1308.6	1311.1	1309.8	1309.8	1309.8	1308.6	1303.5	1302.2	1294.6	1303.5
7.5°	1294.6	1297.1	1297.1	1293.3	1290.7	1290.7	1289.5	1283.1	1281.8	1274.2	1283.1
10°	1285.7	1286.9	1285.7	1278.0	1272.9	1272.9	1271.7	1269.1	1270.4	1265.3	1272.9
12.5°	1290.7	1292.0	1286.9	1276.7	1270.4	1269.1	1265.3	1261.5	1265.3	1264.0	1271.7
15°	1307.3	1308.6	1299.7	1286.9	1281.8	1281.8	1271.7	1261.5	1266.6	1267.8	1276.7
17.5°	1327.7	1327.7	1316.2	1304.8	1306.0	1306.0	1289.5	1271.7	1272.9	1278.0	1286.9
20°	1351.8	1351.8	1340.4	1337.8	1346.8	1348.0	1327.7	1299.7	1293.3	1297.1	1307.3
22.5°	1395.1	1395.1	1386.2	1392.6	1412.9	1419.3	1388.8	1349.3	1334.0	1336.6	1346.8
25°	1462.6	1462.6	1460.0	1475.3	1504.6	1518.6	1477.9	1425.7	1400.2	1396.4	1407.9
27.5°	1575.9	1577.2	1573.3	1596.3	1633.2	1649.7	1593.7	1525.0	1494.4	1488.1	1499.5
30°	1722.3	1722.3	1723.5	1755.4	1803.7	1825.4	1751.5	1671.4	1635.7	1615.3	1630.6
32.5°	1885.2	1887.8	1900.5	1953.9	2039.2	2083.8	1975.6	1863.6	1806.3	1784.6	1801.2
35°	2153.8	2129.6	2114.3	2153.8	2277.3	2335.8	2197.1	2066.0	2022.7	2020.1	2062.1
37.5°	2419.8	2405.8	2374.0	2414.7	2525.5	2552.2	2399.5	2290.0	2259.4	2276.0	2318.0
40°	2631.1	2605.7	2563.7	2601.9	2747.0	2773.7	2585.3	2477.1	2465.7	2502.6	2559.9
42.5°	2797.9	2762.3	2706.2	2715.2	2832.3	2851.4	2684.6	2603.1	2610.8	2656.6	2721.5
45°	2873.0	2845.0	2795.3	2791.5	2865.4	2866.6	2735.5	2693.5	2713.9	2749.5	2800.4
47.5°	2904.8	2892.1	2864.1	2857.7	2899.7	2889.5	2808.1	2790.3	2809.4	2819.5	2848.8
50°	2983.7	2983.7	2987.6	2992.7	3035.9	3025.7	2968.5	2948.1	2923.9	2888.3	2897.2
52.5°	3205.2	3214.1	3251.1	3291.8	3370.7	3403.8	3310.9	3192.5	3076.7	2999.0	2999.0
55°	3604.9	3613.8	3657.1	3725.9	3871.0	3949.9	3733.5	3472.5	3313.4	3207.8	3221.8
57.5°	3825.1	3835.3	3924.4	4110.3	4391.6	4525.3	4060.6	3673.7	3450.9	3330.0	3340.2
58°	3811.1	3817.5	3918.1	4135.7	4448.9	4592.7	4083.6	3667.3	3433.1	3309.6	3322.3
60°	3386.0	3377.1	3537.5	3848.1	4289.8	4488.3	3855.7	3347.8	3075.4	2949.4	2955.7
62.5°	2213.6	2218.7	2357.5	2682.1	3025.7	3212.9	2693.5	2315.5	2096.5	2020.1	2001.0
65°	924.1	907.6	992.9	1173.6	1379.9	1484.2	1275.5	1079.4	944.5	893.6	907.6
67.5°	238.0	231.7	236.8	296.6	362.8	429.0	360.2	275.0	239.3	241.9	241.9
70°	134.9	127.3	103.1	95.5	92.9	92.9	92.9	92.9	106.9	126.0	129.8
72.5°	101.8	95.5	75.1	64.9	57.3	53.5	56.0	64.9	77.6	94.2	96.7
75°	50.9	50.9	45.8	43.3	38.2	35.6	36.9	40.7	47.1	53.5	52.2
77.5°	10.2	11.5	12.7	15.3	12.7	12.7	12.7	15.3	15.3	16.5	15.3
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)