

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: P639339

Luminaire Tested: GWS-SA5B-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639339
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9427.2 lumens
Efficiency: N/A
Efficacy: 81.5 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

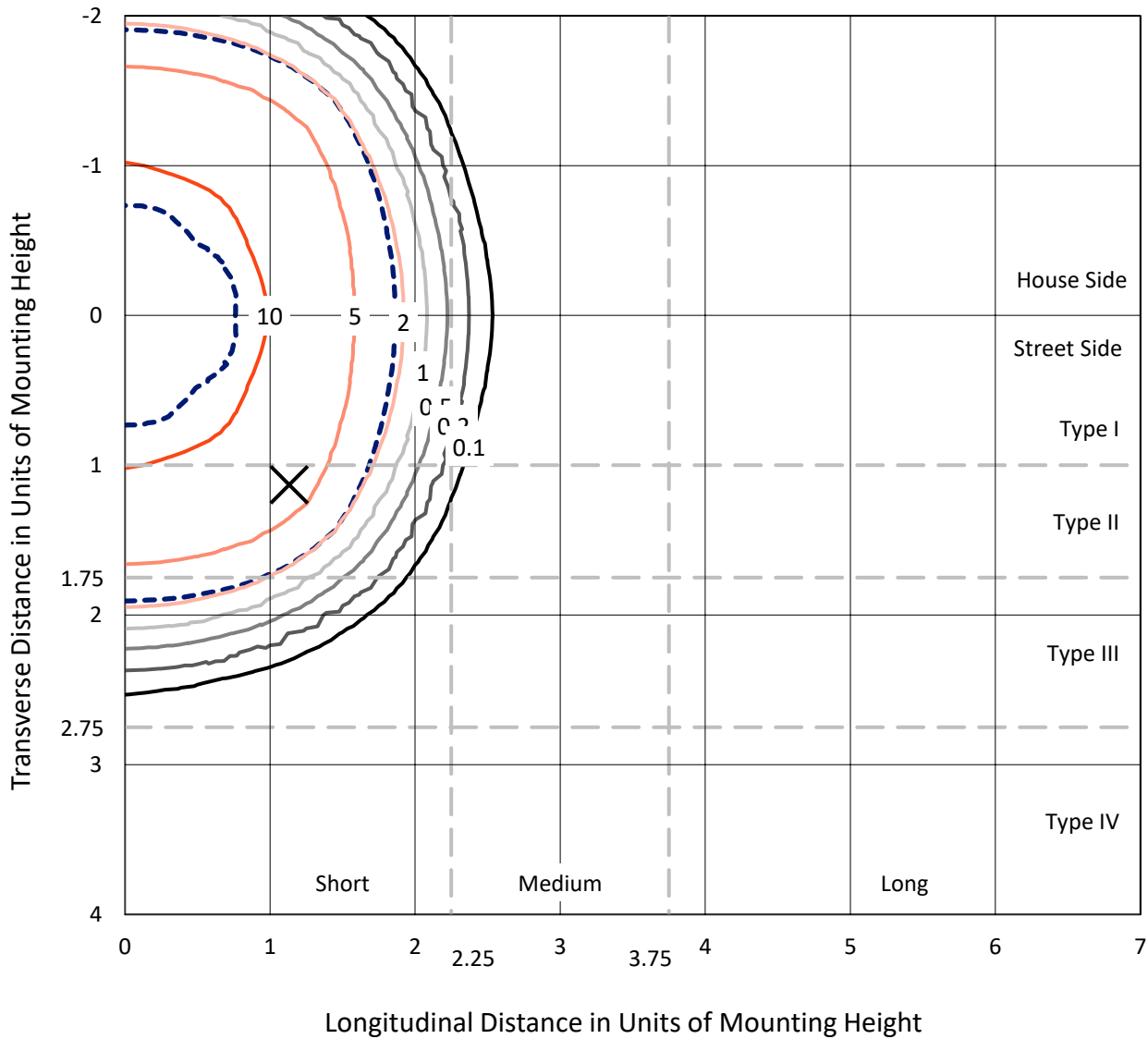


REPORT NUMBER: P639339

CATALOG NUMBER: GWS-SA5B-760-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

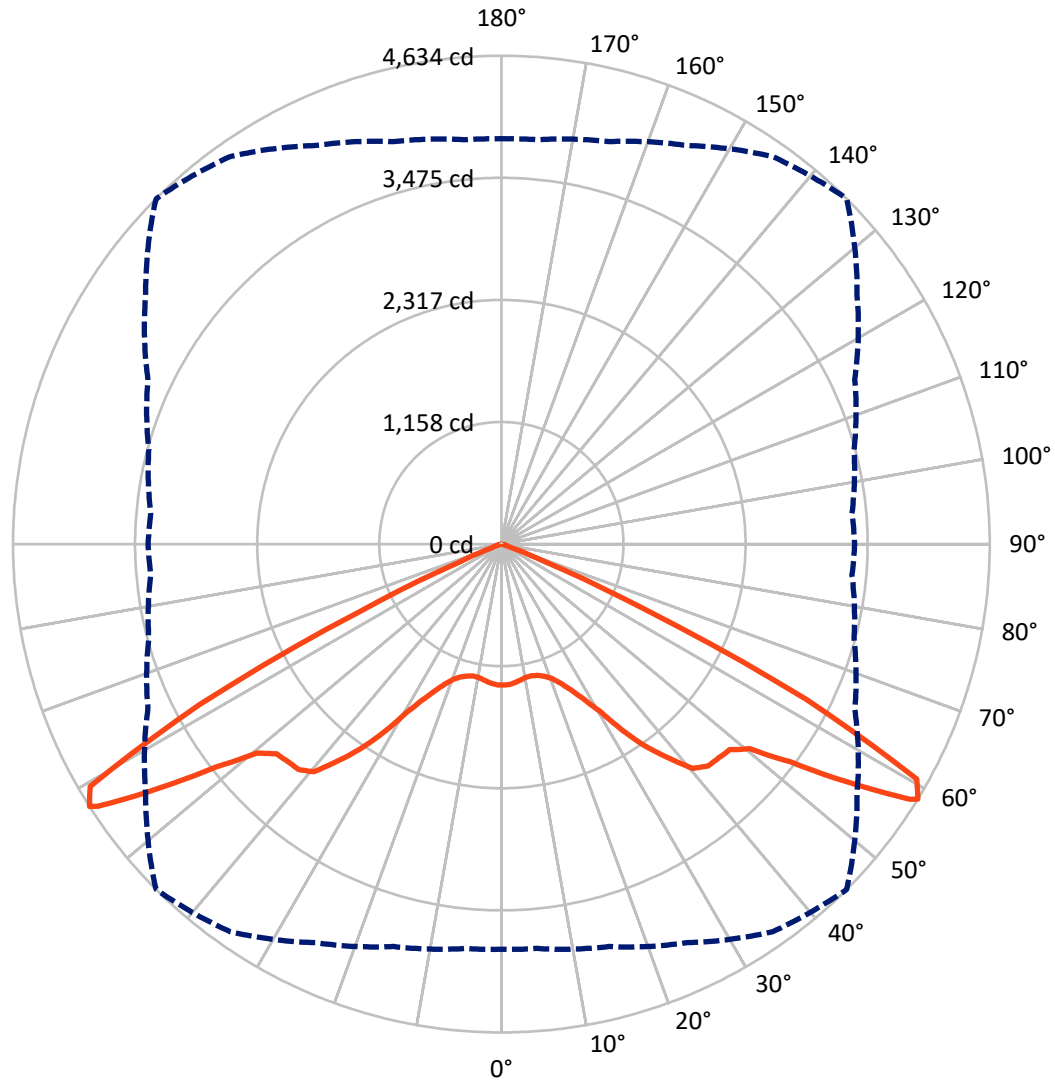
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type V - Short - N/A

REPORT NUMBER: P639339
CATALOG NUMBER: GWS-SA5B-760-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P639339

CATALOG NUMBER: GWS-SA5B-760-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4713.6	0.0	4713.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4713.6	0.0	4713.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9427.2	0.0	9427.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.7	1.3
10°-20°	369.1	3.9
20°-30°	698.0	7.4
30°-40°	1376.7	14.6
40°-50°	2178.6	23.1
50°-60°	3202.4	34.0
60°-70°	1429.4	15.2
70°-80°	47.9	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°	9427.2	100.0
0°-180°	9427.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639339

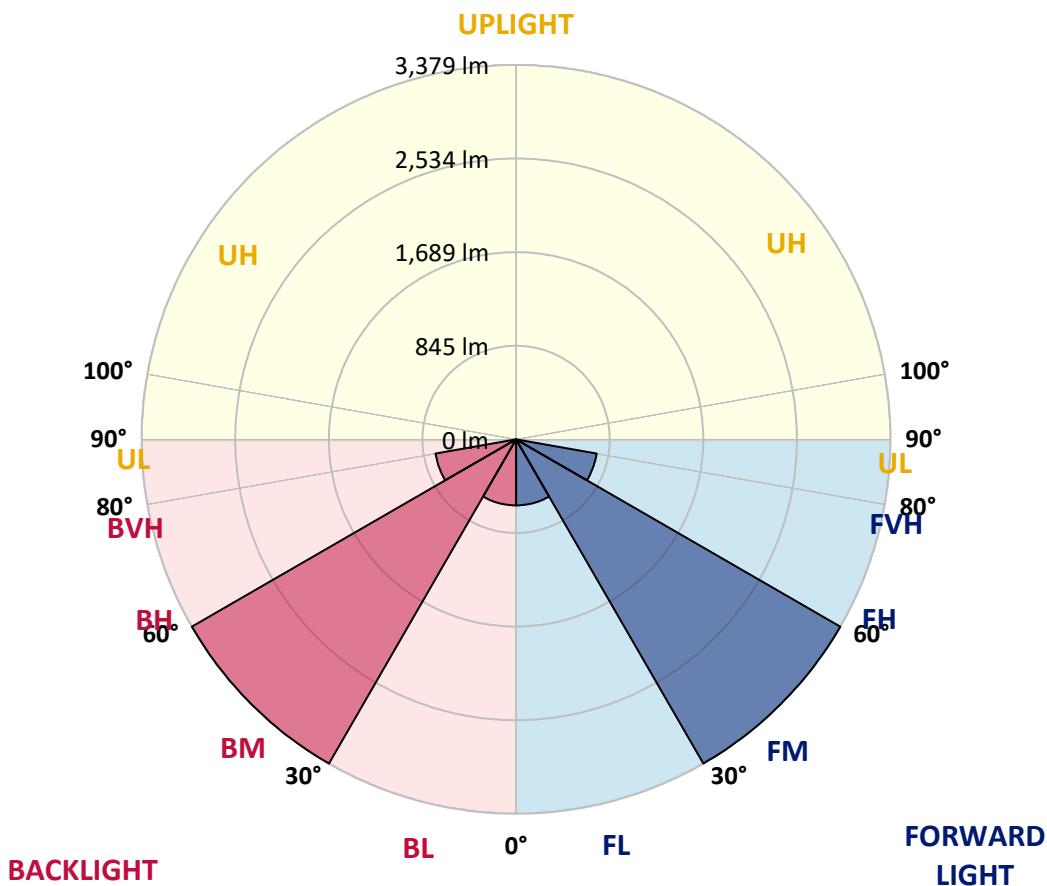
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.9	6.3			
FM (30°-60°)	3378.8	35.8			
FH (60°-80°)	738.6	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	595.9	6.3	B2/1000		
BM (30°-60°)	3378.8	35.8	B3/5000		
BH (60°-80°)	738.6	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





REPORT NUMBER: P639339
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9	1336.9
2.5°	1324.1	1326.6	1329.2	1330.5	1331.8	1335.6	1336.9	1333.0	1333.0	1325.3	1334.3
5°	1317.6	1320.2	1322.8	1321.5	1321.5	1321.5	1320.2	1315.1	1313.8	1306.1	1315.1
7.5°	1306.1	1308.6	1308.6	1304.8	1302.2	1302.2	1300.9	1294.5	1293.2	1285.5	1294.5
10°	1297.1	1298.4	1297.1	1289.4	1284.2	1284.2	1283.0	1280.4	1281.7	1276.5	1284.2
12.5°	1302.2	1303.5	1298.4	1288.1	1281.7	1280.4	1276.5	1272.7	1276.5	1275.3	1283.0
15°	1318.9	1320.2	1311.2	1298.4	1293.2	1293.2	1283.0	1272.7	1277.8	1279.1	1288.1
17.5°	1339.5	1339.5	1327.9	1316.4	1317.6	1317.6	1300.9	1283.0	1284.2	1289.4	1298.4
20°	1363.9	1363.9	1352.3	1349.7	1358.7	1360.0	1339.5	1311.2	1304.8	1308.6	1318.9
22.5°	1407.5	1407.5	1398.5	1405.0	1425.5	1431.9	1401.1	1361.3	1345.9	1348.5	1358.7
25°	1475.6	1475.6	1473.0	1488.4	1518.0	1532.1	1491.0	1438.4	1412.7	1408.8	1420.4
27.5°	1589.9	1591.2	1587.3	1610.4	1647.7	1664.4	1607.9	1538.5	1507.7	1501.3	1512.8
30°	1737.6	1737.6	1738.9	1771.0	1819.8	1841.6	1767.1	1686.2	1650.3	1629.7	1645.1
32.5°	1902.0	1904.5	1917.4	1971.3	2057.4	2102.3	1993.2	1880.1	1822.3	1800.5	1817.2
35°	2172.9	2148.5	2133.1	2172.9	2297.5	2356.6	2216.6	2084.3	2040.7	2038.1	2080.5
37.5°	2441.4	2427.2	2395.1	2436.2	2547.9	2574.9	2420.8	2310.4	2279.5	2296.2	2338.6
40°	2654.5	2628.9	2586.5	2625.0	2771.4	2798.4	2608.3	2499.1	2487.6	2524.8	2582.6
42.5°	2822.8	2786.8	2730.3	2739.3	2857.5	2876.7	2708.5	2626.3	2634.0	2680.2	2745.7
45°	2898.5	2870.3	2820.2	2816.4	2890.8	2892.1	2759.8	2717.5	2738.0	2774.0	2825.3
47.5°	2930.7	2917.8	2889.6	2883.1	2925.5	2915.2	2833.1	2815.1	2834.3	2844.6	2874.1
50°	3010.3	3010.3	3014.1	3019.3	3062.9	3052.7	2994.9	2974.3	2949.9	2914.0	2922.9
52.5°	3233.7	3242.7	3280.0	3321.1	3400.7	3434.1	3340.3	3220.9	3104.0	3025.7	3025.7
55°	3637.0	3646.0	3689.6	3759.0	3905.4	3985.0	3766.7	3503.4	3342.9	3236.3	3250.4
57.5°	3859.2	3869.4	3959.3	4146.8	4430.7	4565.5	4096.8	3706.3	3481.6	3359.6	3369.9
58°	3845.0	3851.5	3952.9	4172.5	4488.4	4633.6	4119.9	3699.9	3463.6	3339.0	3351.9
60°	3416.1	3407.1	3568.9	3882.3	4327.9	4528.3	3890.0	3377.6	3102.7	2975.6	2982.0
62.5°	2233.3	2238.4	2378.4	2705.9	3052.7	3241.4	2717.5	2336.0	2115.2	2038.1	2018.8
65°	932.4	915.7	1001.7	1184.1	1392.1	1497.4	1286.8	1089.0	952.9	901.5	915.7
67.5°	240.2	233.7	238.9	299.2	366.0	432.8	363.4	277.4	241.4	244.0	244.0
70°	136.1	128.4	104.0	96.3	93.8	93.8	93.8	93.8	107.9	127.1	131.0
72.5°	102.7	96.3	75.8	65.5	57.8	53.9	56.5	65.5	78.3	95.0	97.6
75°	51.4	51.4	46.2	43.7	38.5	36.0	37.2	41.1	47.5	53.9	52.7
77.5°	10.3	11.6	12.8	15.4	12.8	12.8	12.8	15.4	15.4	16.7	15.4
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)