

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: P634226

Luminaire Tested: GWS-SA3B-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10400.5 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

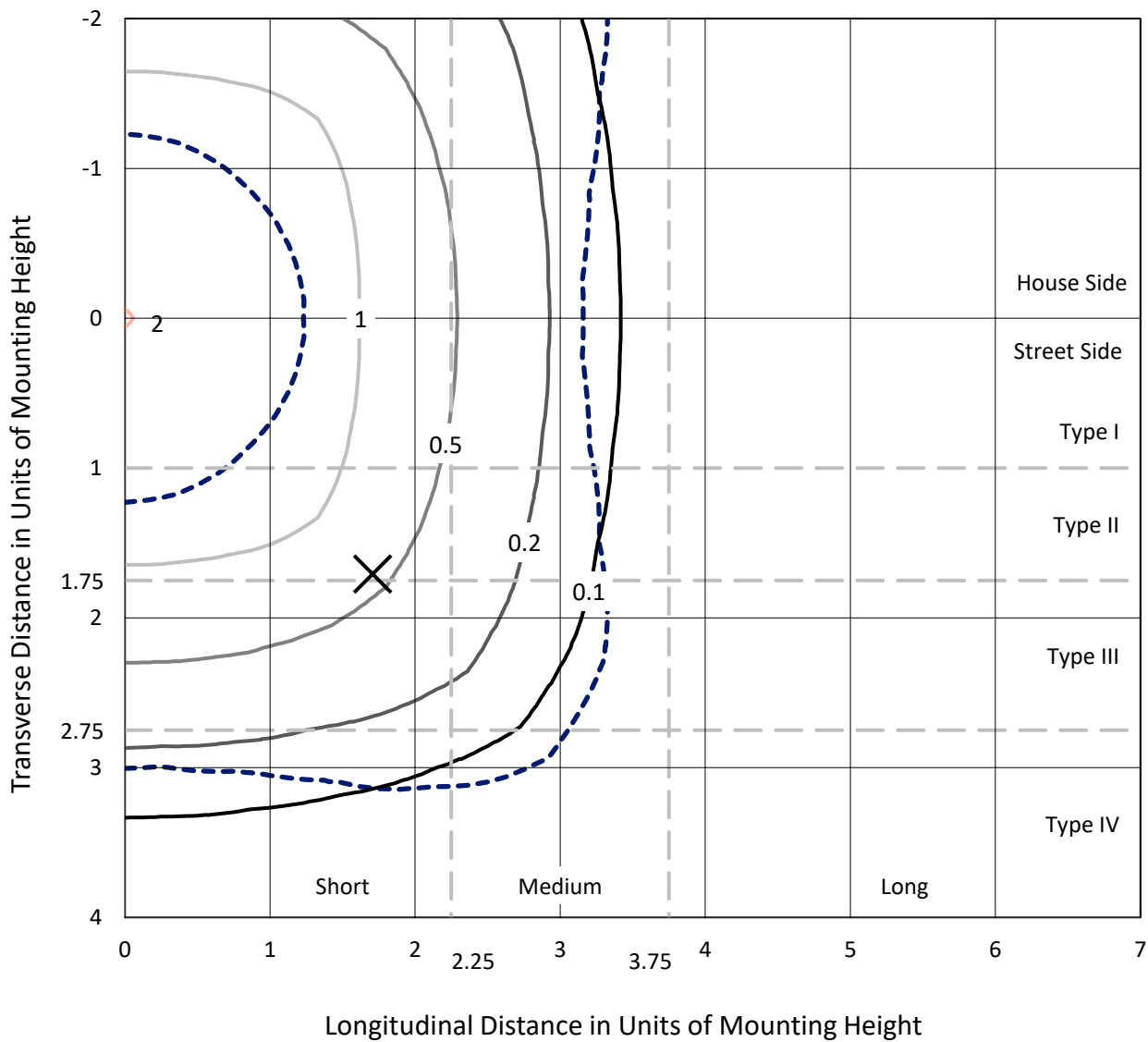
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

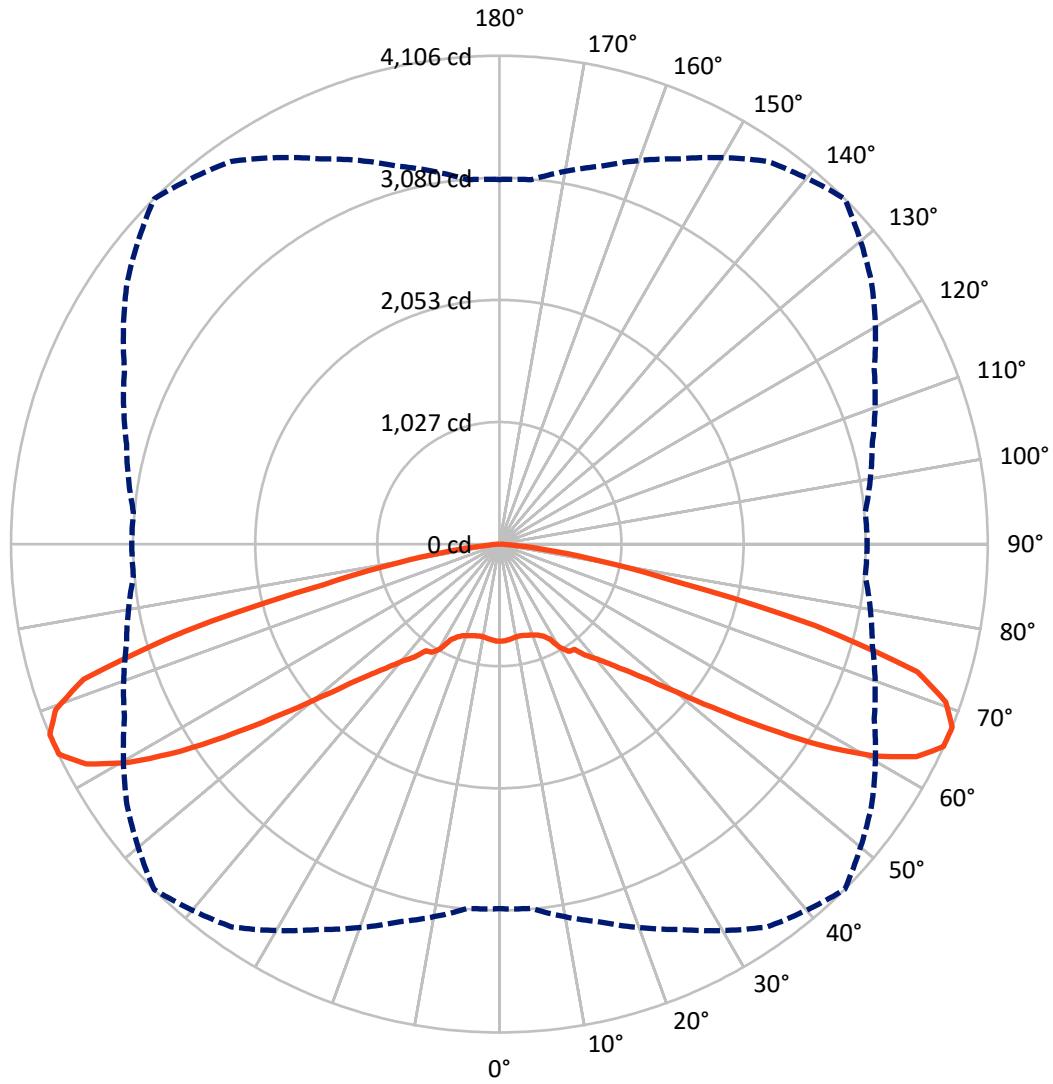
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5200.2	0.0	5200.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5200.2	0.0	5200.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10400.5	0.0	10400.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	0.7
10°-20°	227.3	2.2
20°-30°	407.7	3.9
30°-40°	688.7	6.6
40°-50°	1210.0	11.6
50°-60°	2334.1	22.4
60°-70°	3386.5	32.6
70°-80°	1937.6	18.6
80°-90°	132.2	1.3
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°	10400.5	100.0
0°-180°	10400.5	100.0

Coefficient of Utilization



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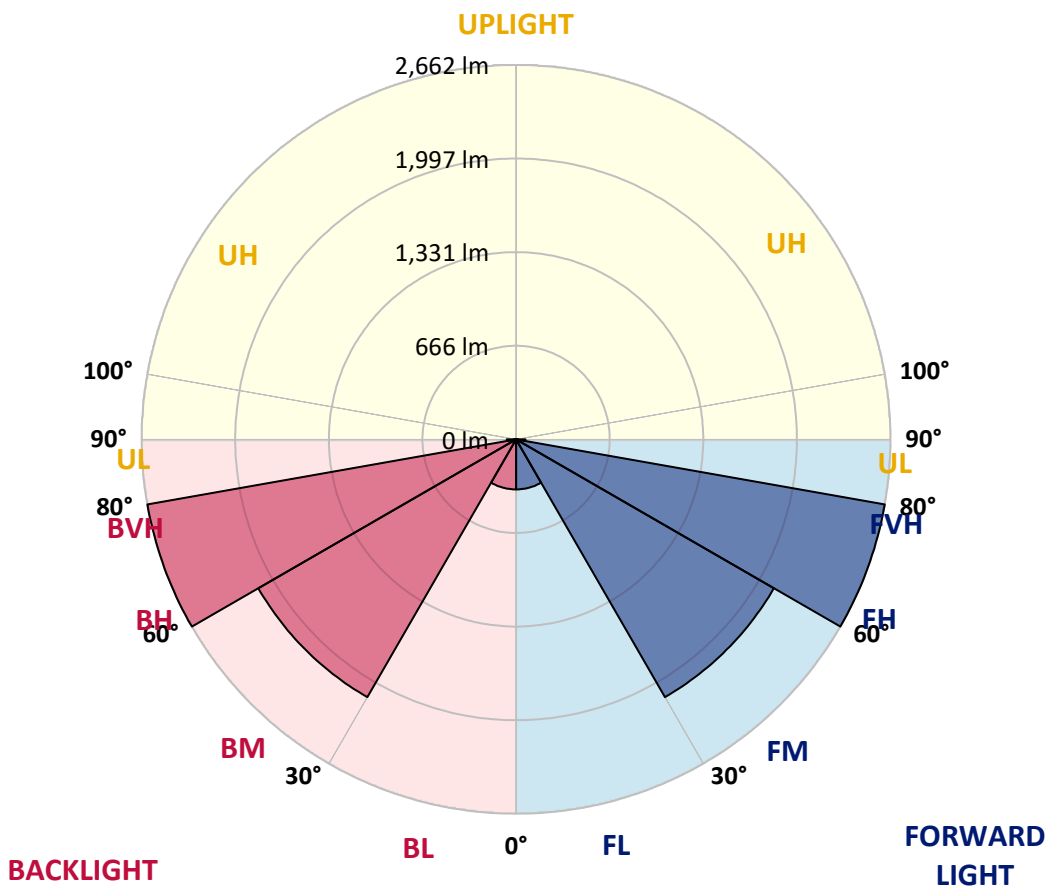
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.7	3.4			
FM (30°-60°)	2116.4	20.3			
FH (60°-80°)	2662.0	25.6			G2/5000
FVH (80°-90°)	66.1	0.6			G1/100
BL (0°-30°)	355.7	3.4	B1/500		
BM (30°-60°)	2116.4	20.3	B2/2500		
BH (60°-80°)	2662.0	25.6	B4/5000		G2/5000
BVH (80°-90°)	66.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6	815.6
2.5°	809.0	809.7	811.2	811.2	812.7	814.9	815.6	814.1	814.9	811.2	814.9
5°	806.8	807.5	808.3	806.8	806.8	807.5	807.5	806.1	806.8	803.1	806.8
7.5°	801.6	802.4	802.4	800.2	798.0	799.4	799.4	798.0	798.7	795.0	799.4
10°	797.2	797.2	796.5	792.1	789.9	792.1	792.8	793.5	796.5	793.5	798.7
12.5°	800.2	800.2	798.0	792.1	788.4	789.9	791.3	792.8	798.0	797.2	803.1
15°	808.3	809.0	803.1	796.5	794.3	796.5	795.0	794.3	800.9	803.1	809.7
17.5°	814.9	814.9	807.5	800.9	801.6	805.3	802.4	798.7	805.3	809.7	817.1
20°	820.8	820.0	811.9	807.5	810.5	815.6	813.4	808.3	812.7	817.8	824.4
22.5°	835.5	834.7	825.9	823.7	826.6	831.8	829.6	825.2	830.3	837.7	845.8
25°	877.4	875.9	862.7	855.3	853.9	857.5	856.8	855.3	863.4	872.2	881.8
27.5°	933.3	932.5	923.0	915.6	906.1	903.1	905.3	912.0	923.7	930.3	938.4
30°	961.2	961.2	959.8	971.5	992.1	1012.0	996.5	971.5	961.2	958.3	966.4
32.5°	998.0	1001.7	996.5	1009.8	1044.3	1073.8	1044.3	1003.9	996.5	996.5	1005.4
35°	1082.6	1084.0	1076.0	1073.8	1084.8	1088.5	1074.5	1059.8	1067.9	1069.3	1080.4
37.5°	1150.2	1150.2	1146.6	1152.4	1175.2	1189.2	1166.4	1139.9	1142.2	1143.6	1157.6
40°	1254.7	1257.6	1248.8	1248.1	1256.9	1269.4	1245.1	1228.2	1240.0	1243.6	1265.0
42.5°	1384.8	1384.8	1371.6	1367.9	1373.8	1387.1	1364.3	1353.2	1368.7	1371.6	1384.1
45°	1540.0	1543.7	1526.1	1519.4	1522.4	1526.8	1510.6	1505.5	1520.2	1526.8	1548.9
47.5°	1729.0	1732.7	1717.3	1716.5	1713.6	1716.5	1701.1	1698.1	1709.9	1704.8	1728.3
50°	1962.2	1968.8	1955.6	1973.9	1971.7	1980.6	1959.2	1943.8	1943.8	1929.8	1943.1
52.5°	2223.3	2236.5	2243.1	2274.0	2297.5	2319.6	2284.3	2260.0	2224.7	2196.0	2232.1
55°	2507.9	2504.2	2546.1	2613.8	2682.9	2735.1	2666.0	2589.5	2532.1	2472.6	2486.5
57.5°	2757.2	2769.7	2824.9	2948.4	3085.2	3195.5	3071.2	2924.1	2794.0	2708.7	2720.4
60°	2964.6	2974.9	3048.4	3226.4	3465.4	3617.7	3420.6	3177.9	2988.9	2871.2	2883.7
62.5°	3155.8	3165.4	3239.6	3436.0	3737.5	3936.1	3681.7	3350.0	3139.6	3021.2	3028.6
65°	3266.1	3272.0	3373.5	3580.2	3897.9	4103.1	3816.2	3474.3	3267.6	3147.0	3151.4
67.5°	3065.3	3074.9	3288.9	3574.3	3928.8	4106.0	3822.1	3477.9	3245.5	3088.1	3091.8
70°	2418.2	2410.1	2665.3	3155.8	3751.5	3982.4	3652.2	3216.8	2857.9	2638.1	2634.4
72.5°	1843.8	1846.0	1987.9	2324.0	3058.7	3675.0	3222.7	2590.2	2203.4	2036.5	2029.8
75°	1337.0	1357.6	1473.1	1719.5	2139.4	2746.9	2426.2	1919.5	1660.6	1560.6	1545.9
77.5°	602.3	628.8	789.9	1079.6	1430.4	1518.0	1523.8	1303.2	983.3	817.1	791.3
80°	175.8	188.3	242.0	414.1	666.3	861.2	684.0	575.1	358.2	280.9	267.7
82.5°	74.3	84.6	103.7	114.7	193.4	399.3	248.6	158.1	147.1	119.1	108.8
85°	31.6	33.8	43.4	46.3	62.5	85.3	78.7	71.3	68.4	53.0	48.5
87.5°	13.2	13.2	13.2	11.8	11.0	11.8	16.2	20.6	27.2	21.3	19.9
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)