

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: P631745

Luminaire Tested: GWS-SA2B-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7048.9 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

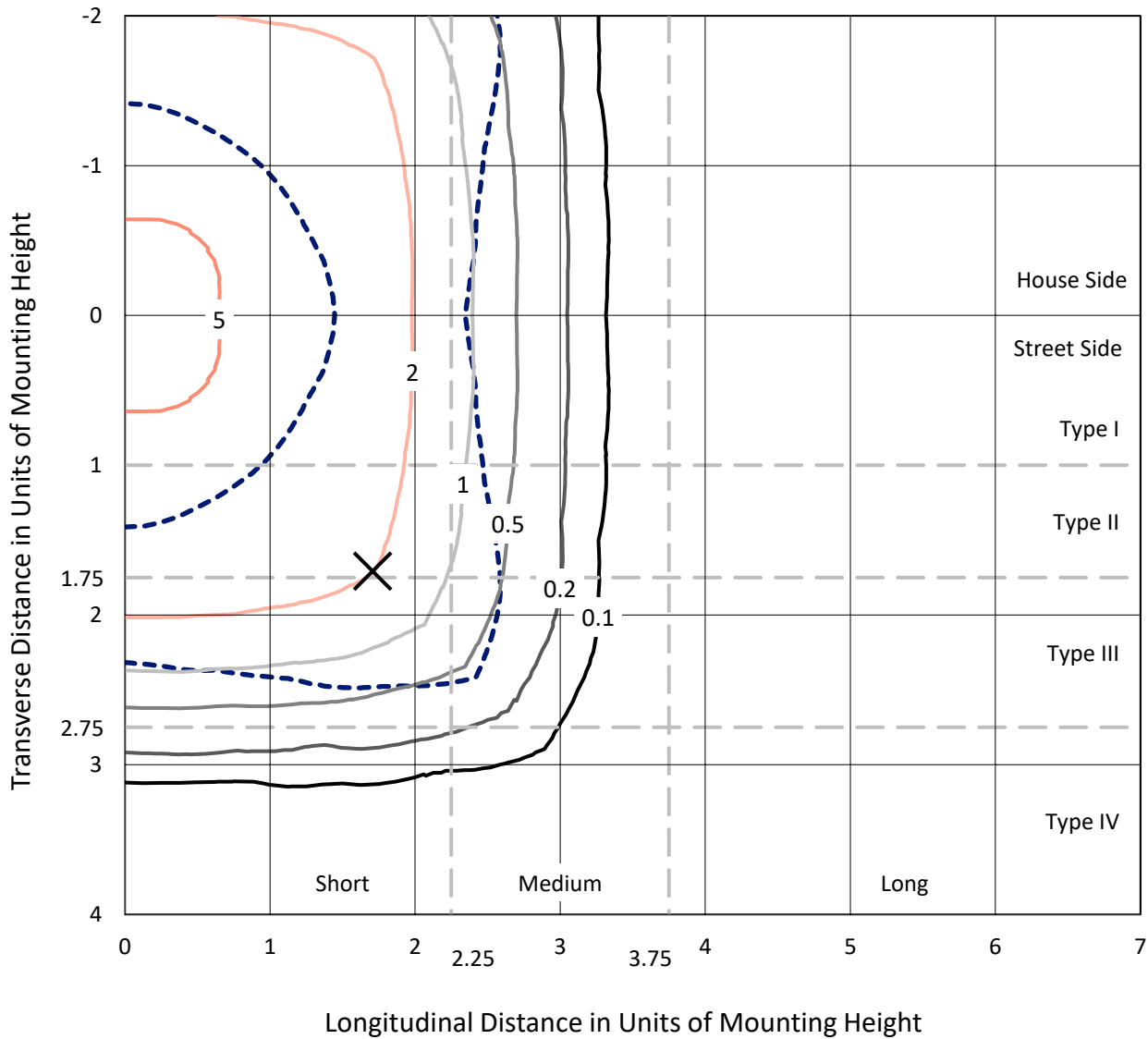
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631745
 CATALOG NUMBER: GWS-SA2B-735-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

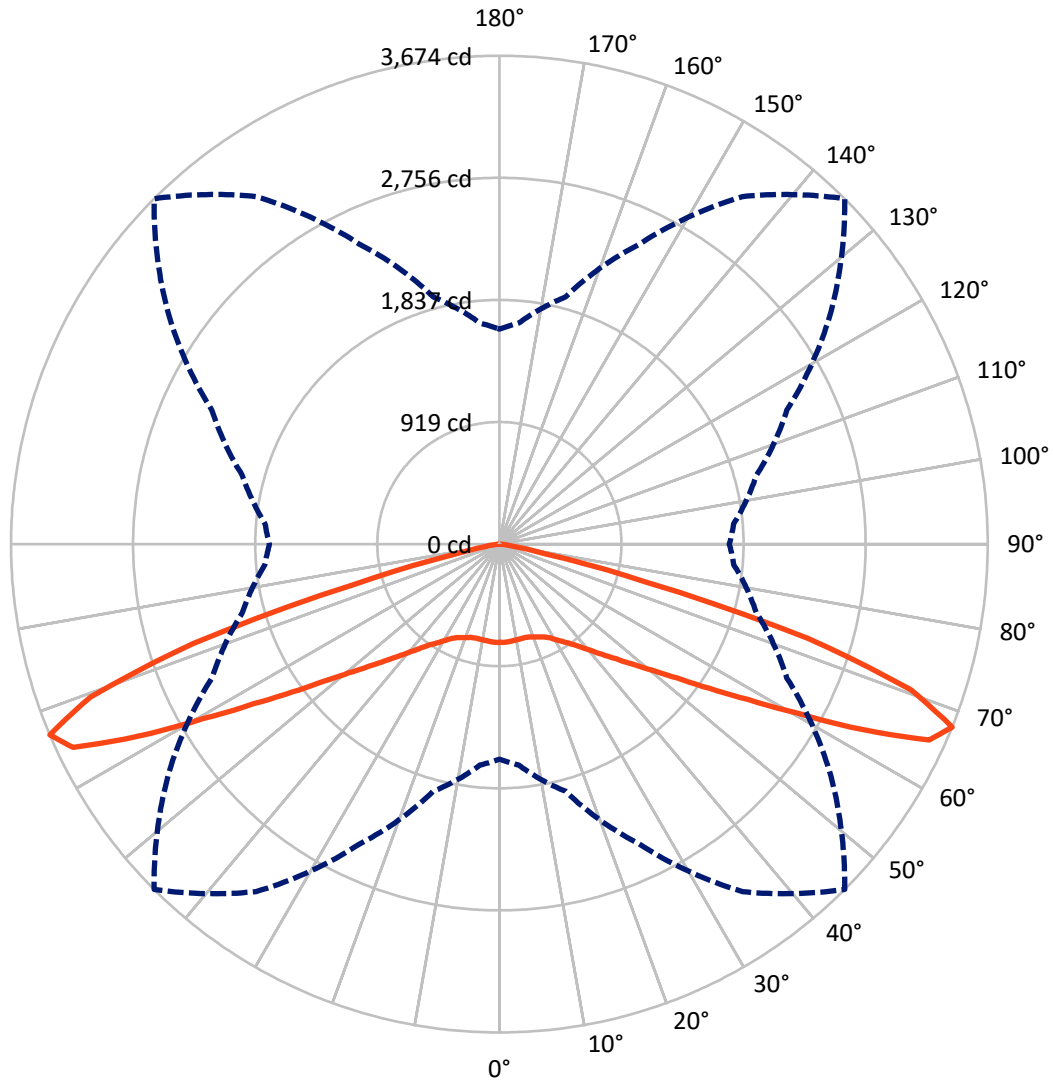
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

REPORT NUMBER: P631745
CATALOG NUMBER: GWS-SA2B-735-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631745

CATALOG NUMBER: GWS-SA2B-735-U-5MQ-W

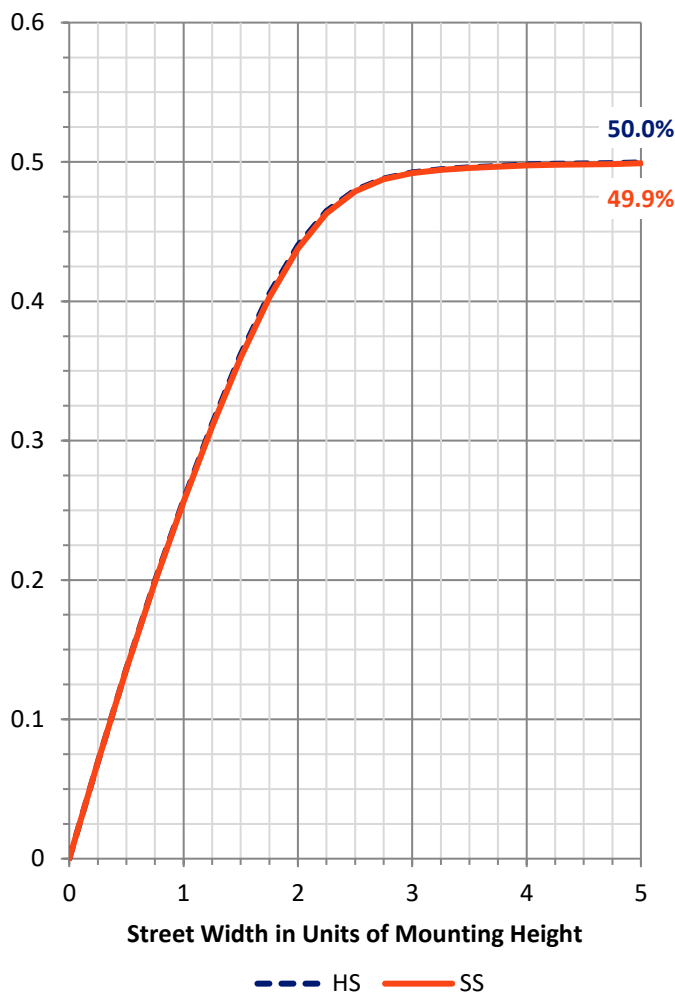
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3524.5	0.0	3524.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3524.5	0.0	3524.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7048.9	0.0	7048.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.0
10°-20°	205.2	2.9
20°-30°	354.0	5.0
30°-40°	575.5	8.2
40°-50°	969.1	13.7
50°-60°	1717.0	24.4
60°-70°	2454.4	34.8
70°-80°	673.6	9.6
80°-90°	30.2	0.4
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°	7048.9	100.0
0°-180°	7048.9	100.0

Coefficient of Utilization



REPORT NUMBER: P631745

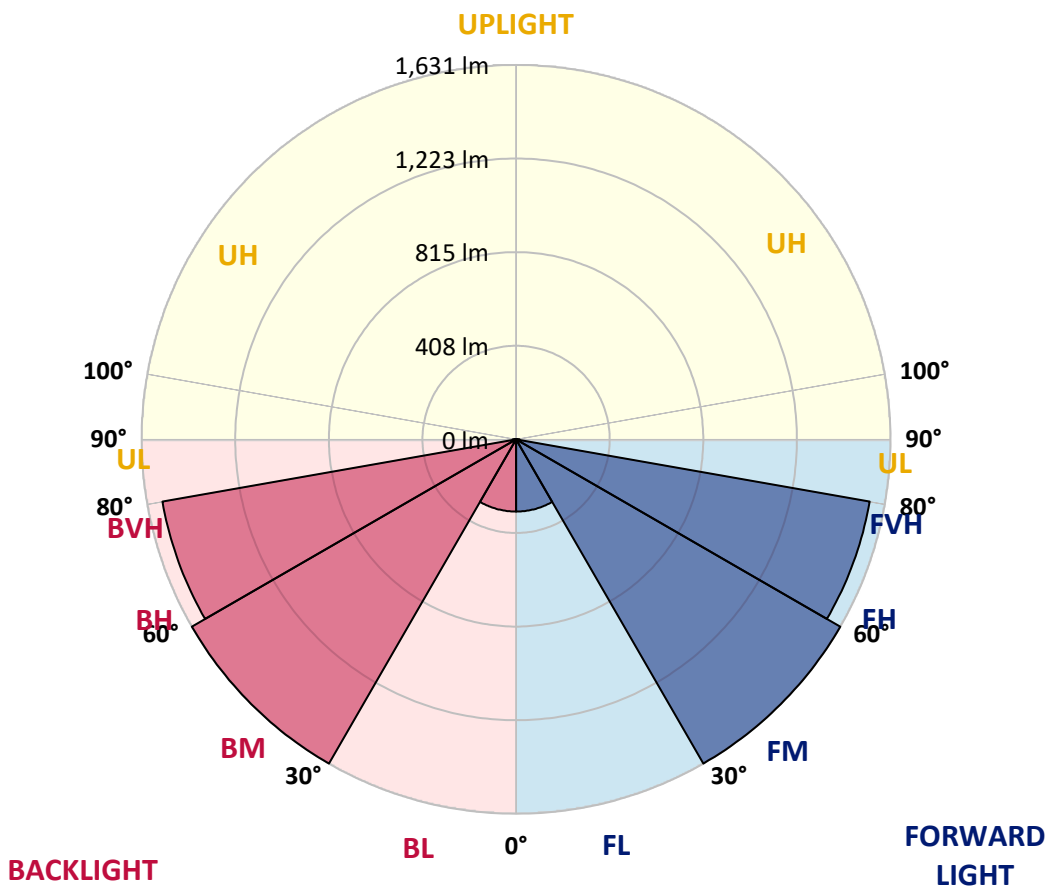
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.5	4.5			
FM (30°-60°)	1630.8	23.1			
FH (60°-80°)	1564.0	22.2			G1/1800
FVH (80°-90°)	15.1	0.2			G1/100
BL (0°-30°)	314.5	4.5	B1/500		
BM (30°-60°)	1630.8	23.1	B2/2500		
BH (60°-80°)	1564.0	22.2	B3/2500		G1/1800
BVH (80°-90°)	15.1	0.2			G1/100
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°	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2	738.2
2.5°	733.4	732.9	735.3	736.8	736.3	739.7	739.2	738.2	738.2	736.8	740.7
5°	733.4	732.9	734.8	735.3	734.3	737.3	736.3	735.3	735.3	733.4	736.8
7.5°	729.5	730.0	731.4	732.4	731.4	733.9	732.4	730.4	730.0	728.0	731.4
10°	722.1	722.6	724.1	726.5	727.0	731.4	729.0	725.6	724.1	722.1	725.6
12.5°	717.8	718.2	719.7	722.6	723.6	729.5	727.0	721.7	719.2	717.3	720.7
15°	716.8	717.3	719.2	722.1	723.6	729.5	727.0	720.7	717.3	714.8	717.8
17.5°	716.8	717.8	720.7	725.1	728.0	733.9	730.9	723.6	718.7	714.3	717.3
20°	717.3	718.7	723.1	729.5	736.8	745.1	741.2	731.4	724.6	719.2	721.2
22.5°	721.7	724.1	729.5	737.8	748.5	758.3	754.8	741.7	731.9	724.6	726.5
25°	736.8	737.8	744.6	755.3	765.6	773.9	770.5	758.3	746.1	737.3	739.7
27.5°	763.6	766.1	771.9	783.1	791.9	796.3	795.8	787.5	775.3	767.5	769.5
30°	795.8	798.3	806.1	818.8	827.5	832.4	831.0	824.6	813.4	802.7	804.6
32.5°	833.4	834.4	843.6	857.8	867.1	874.4	869.5	862.7	848.5	835.8	836.8
35°	881.2	882.7	892.4	905.6	912.9	918.8	917.8	911.0	895.9	882.2	885.6
37.5°	941.2	942.2	951.0	967.6	973.4	977.8	978.8	975.4	959.8	942.2	945.6
40°	1015.9	1016.4	1026.1	1040.8	1047.1	1050.0	1050.5	1051.0	1034.9	1021.7	1020.8
42.5°	1102.7	1105.2	1118.8	1133.0	1135.9	1134.5	1139.3	1144.2	1128.6	1110.5	1112.0
45°	1206.7	1208.1	1226.7	1242.3	1236.9	1232.0	1241.3	1251.1	1236.9	1213.5	1206.7
47.5°	1329.6	1332.6	1352.6	1368.2	1359.4	1350.6	1365.7	1376.0	1353.0	1328.2	1321.8
50°	1468.7	1470.6	1498.9	1518.5	1508.2	1492.1	1511.1	1521.9	1491.1	1460.4	1446.7
52.5°	1633.1	1629.2	1666.8	1700.9	1694.6	1673.6	1689.2	1691.2	1645.3	1601.9	1588.2
55°	1833.7	1829.8	1867.3	1904.9	1920.5	1915.2	1907.8	1896.1	1828.3	1781.9	1769.3
57.5°	2067.4	2055.2	2107.9	2158.6	2192.8	2202.5	2171.3	2144.0	2090.3	2033.2	2018.6
60°	2284.5	2284.0	2367.5	2455.3	2549.0	2588.0	2509.0	2434.8	2314.3	2210.4	2189.4
62.5°	2345.5	2355.8	2492.4	2710.0	2941.3	3079.4	2871.0	2625.6	2392.8	2236.2	2208.4
65°	2195.2	2220.6	2414.8	2758.3	3215.0	3552.7	3082.3	2630.0	2305.5	2110.3	2081.0
67.5°	1618.0	1668.7	1925.9	2489.0	3191.6	3674.2	3044.7	2386.5	2002.5	1770.2	1729.7
70°	798.3	846.6	1050.5	1637.5	2626.1	3284.3	2634.4	1798.5	1352.6	1129.1	1092.0
72.5°	293.7	313.3	393.3	700.7	1449.2	2426.0	1801.5	1004.7	655.3	521.6	496.7
75°	143.9	147.4	159.6	235.2	534.8	1141.8	846.6	385.5	241.0	209.8	203.0
77.5°	91.7	93.2	99.1	112.2	171.8	359.6	256.7	152.2	118.1	113.2	113.2
80°	51.2	52.7	60.5	69.8	80.5	123.4	92.2	91.2	77.6	67.8	66.4
82.5°	24.4	26.8	38.5	38.1	42.5	62.0	54.2	49.3	49.8	37.6	35.6
85°	11.2	11.2	15.1	18.1	19.0	21.0	24.9	28.3	27.8	19.0	20.5
87.5°	5.4	5.4	5.4	4.9	4.4	3.9	5.4	8.8	12.7	8.8	8.3
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)