

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: P631531

Luminaire Tested: GWS-SA1F-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631531
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-SA1F-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6785 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

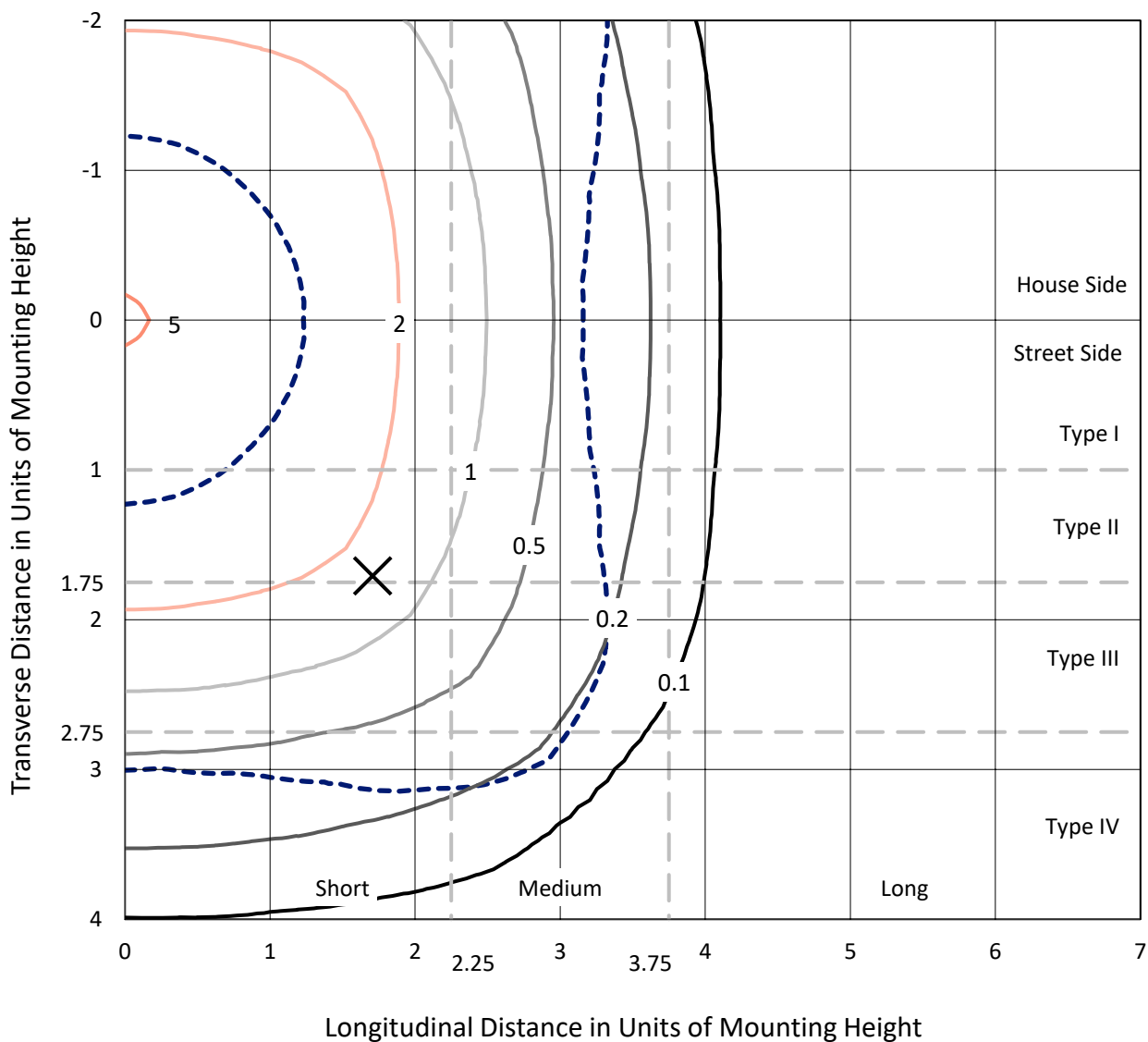
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

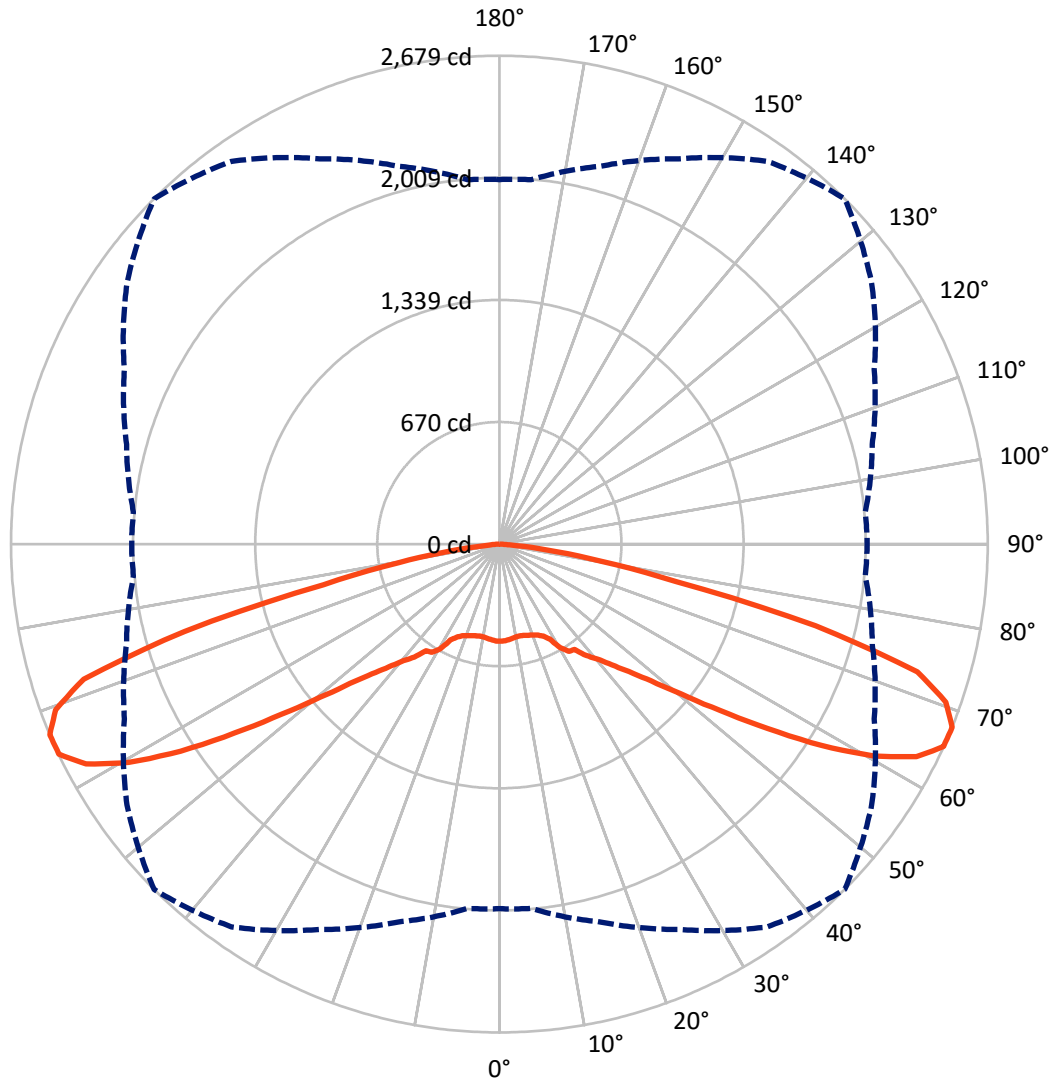
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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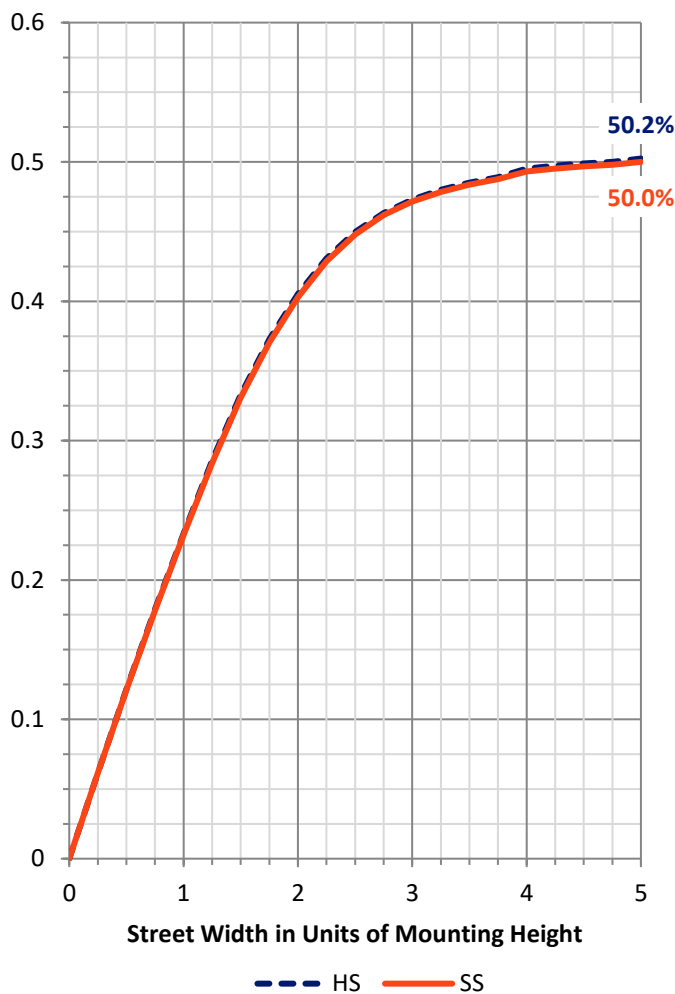
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3392.5	0.0	3392.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3392.5	0.0	3392.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6785.0	0.0	6785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	0.7
10°-20°	148.3	2.2
20°-30°	265.9	3.9
30°-40°	449.3	6.6
40°-50°	789.4	11.6
50°-60°	1522.7	22.4
60°-70°	2209.2	32.6
70°-80°	1264.0	18.6
80°-90°	86.3	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°	6785.0	100.0
0°-180°	6785.0	100.0

Coefficient of Utilization



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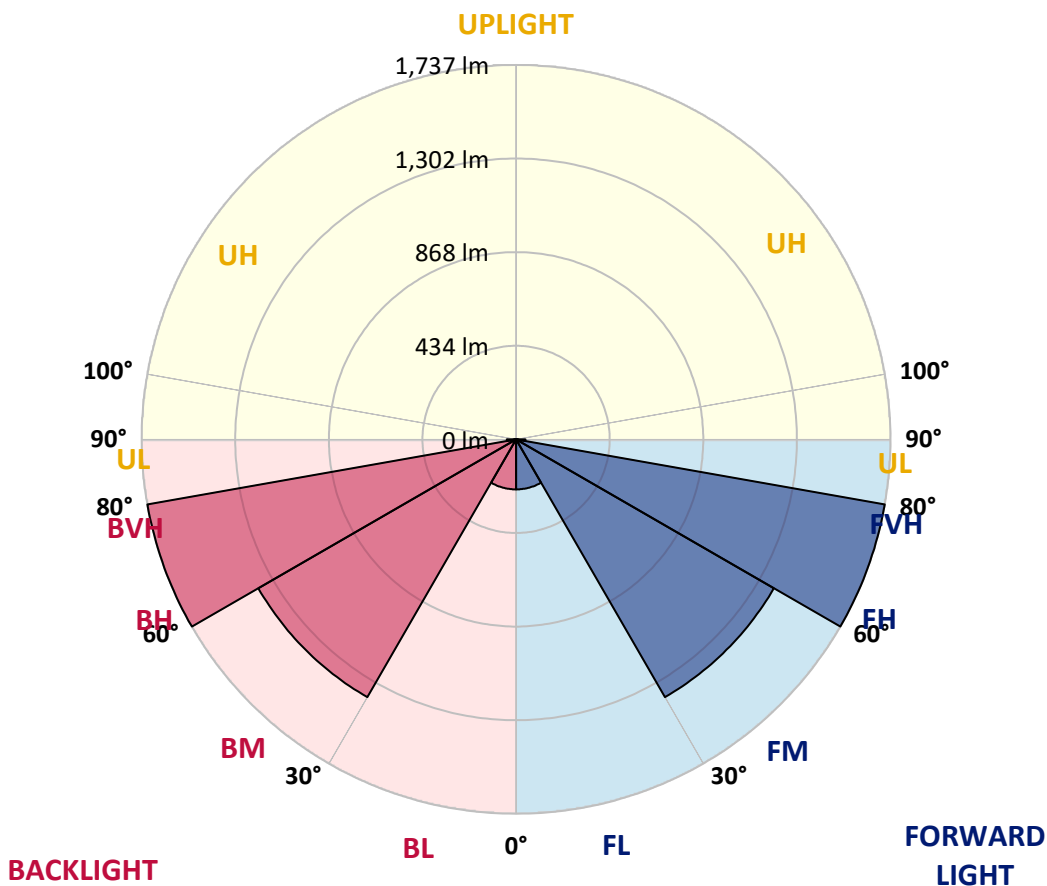
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.1	3.4			
FM (30°-60°)	1380.7	20.3			
FH (60°-80°)	1736.6	25.6			G1/1800
FVH (80°-90°)	43.1	0.6			G1/100
BL (0°-30°)	232.1	3.4	B1/500		
BM (30°-60°)	1380.7	20.3	B2/2500		
BH (60°-80°)	1736.6	25.6	B3/2500		G1/1800
BVH (80°-90°)	43.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	527.8	528.2	529.2	529.2	530.2	531.6	532.1	531.1	531.6	529.2	531.6
5°	526.3	526.8	527.3	526.3	526.3	526.8	526.8	525.8	526.3	523.9	526.3
7.5°	523.0	523.4	523.4	522.0	520.6	521.5	521.5	520.6	521.0	518.6	521.5
10°	520.1	520.1	519.6	516.7	515.3	516.7	517.2	517.7	519.6	517.7	521.0
12.5°	522.0	522.0	520.6	516.7	514.3	515.3	516.2	517.2	520.6	520.1	523.9
15°	527.3	527.8	523.9	519.6	518.2	519.6	518.6	518.2	522.5	523.9	528.2
17.5°	531.6	531.6	526.8	522.5	523.0	525.4	523.4	521.0	525.4	528.2	533.0
20°	535.4	535.0	529.7	526.8	528.7	532.1	530.6	527.3	530.2	533.5	537.8
22.5°	545.0	544.6	538.8	537.4	539.3	542.6	541.2	538.3	541.7	546.5	551.8
25°	572.4	571.4	562.8	558.0	557.0	559.4	559.0	558.0	563.3	569.0	575.3
27.5°	608.8	608.4	602.1	597.3	591.1	589.2	590.6	594.9	602.6	606.9	612.2
30°	627.1	627.1	626.1	633.8	647.2	660.2	650.1	633.8	627.1	625.2	630.4
32.5°	651.1	653.5	650.1	658.7	681.3	700.5	681.3	654.9	650.1	650.1	655.9
35°	706.2	707.2	701.9	700.5	707.7	710.1	701.0	691.4	696.6	697.6	704.8
37.5°	750.4	750.4	748.0	751.8	766.7	775.8	760.9	743.7	745.1	746.1	755.2
40°	818.5	820.4	814.7	814.2	820.0	828.1	812.3	801.2	808.9	811.3	825.2
42.5°	903.4	903.4	894.8	892.4	896.2	904.9	890.0	882.8	892.9	894.8	903.0
45°	1004.7	1007.1	995.6	991.2	993.2	996.0	985.5	982.1	991.7	996.0	1010.4
47.5°	1128.0	1130.4	1120.3	1119.8	1117.9	1119.8	1109.7	1107.8	1115.5	1112.1	1127.5
50°	1280.1	1284.4	1275.8	1287.7	1286.3	1292.1	1278.1	1268.1	1268.1	1259.0	1267.6
52.5°	1450.4	1459.0	1463.3	1483.5	1498.9	1513.2	1490.2	1474.4	1451.4	1432.6	1456.2
55°	1636.1	1633.7	1661.0	1705.2	1750.3	1784.3	1739.2	1689.3	1651.9	1613.0	1622.2
57.5°	1798.7	1806.9	1842.9	1923.5	2012.7	2084.7	2003.6	1907.6	1822.7	1767.1	1774.7
60°	1934.0	1940.7	1988.7	2104.8	2260.8	2360.1	2231.5	2073.2	1949.8	1873.1	1881.2
62.5°	2058.8	2065.0	2113.5	2241.6	2438.3	2567.8	2401.8	2185.4	2048.2	1971.0	1975.8
65°	2130.7	2134.6	2200.8	2335.6	2542.9	2676.7	2489.6	2266.5	2131.7	2053.0	2055.9
67.5°	1999.7	2006.0	2145.6	2331.8	2563.0	2678.6	2493.4	2268.9	2117.3	2014.6	2017.0
70°	1577.5	1572.3	1738.7	2058.8	2447.4	2598.0	2382.6	2098.6	1864.4	1721.0	1718.6
72.5°	1202.8	1204.3	1296.9	1516.1	1995.4	2397.5	2102.4	1689.8	1437.4	1328.5	1324.2
75°	872.3	885.7	961.0	1121.7	1395.7	1792.0	1582.8	1252.2	1083.4	1018.1	1008.5
77.5°	392.9	410.2	515.3	704.3	933.2	990.3	994.1	850.2	641.5	533.0	516.2
80°	114.7	122.8	157.8	270.1	434.7	561.8	446.2	375.2	233.7	183.3	174.6
82.5°	48.5	55.2	67.6	74.8	126.2	260.5	162.2	103.2	96.0	77.7	71.0
85°	20.6	22.1	28.3	30.2	40.8	55.7	51.3	46.5	44.6	34.5	31.7
87.5°	8.6	8.6	8.6	7.7	7.2	7.7	10.6	13.4	17.8	13.9	13.0
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)