

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: P631030

Luminaire Tested: GWS-SA1E-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631030
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-SA1E-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6233.8 lumens
Efficiency: N/A
Efficacy: 106.7 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

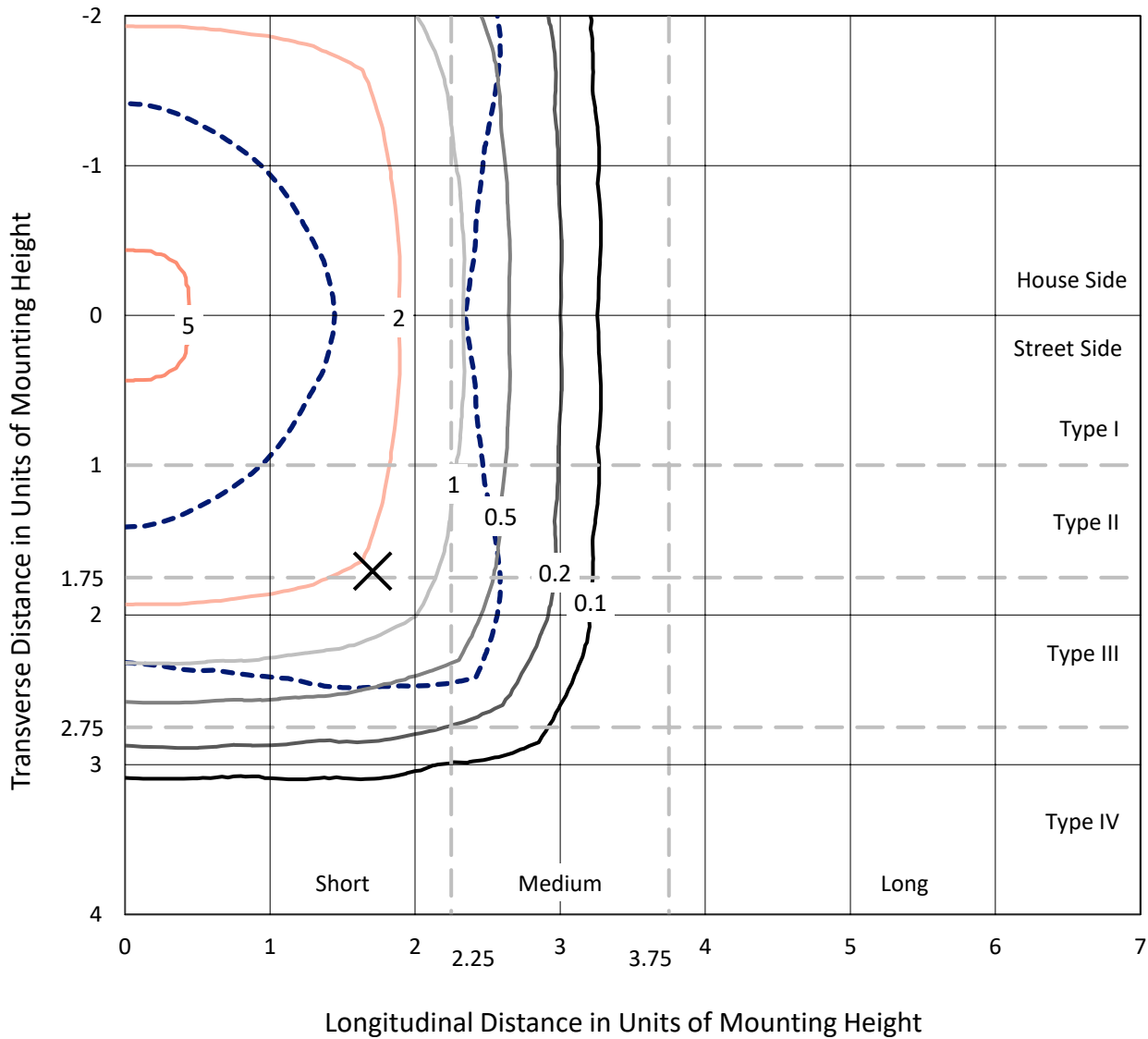
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

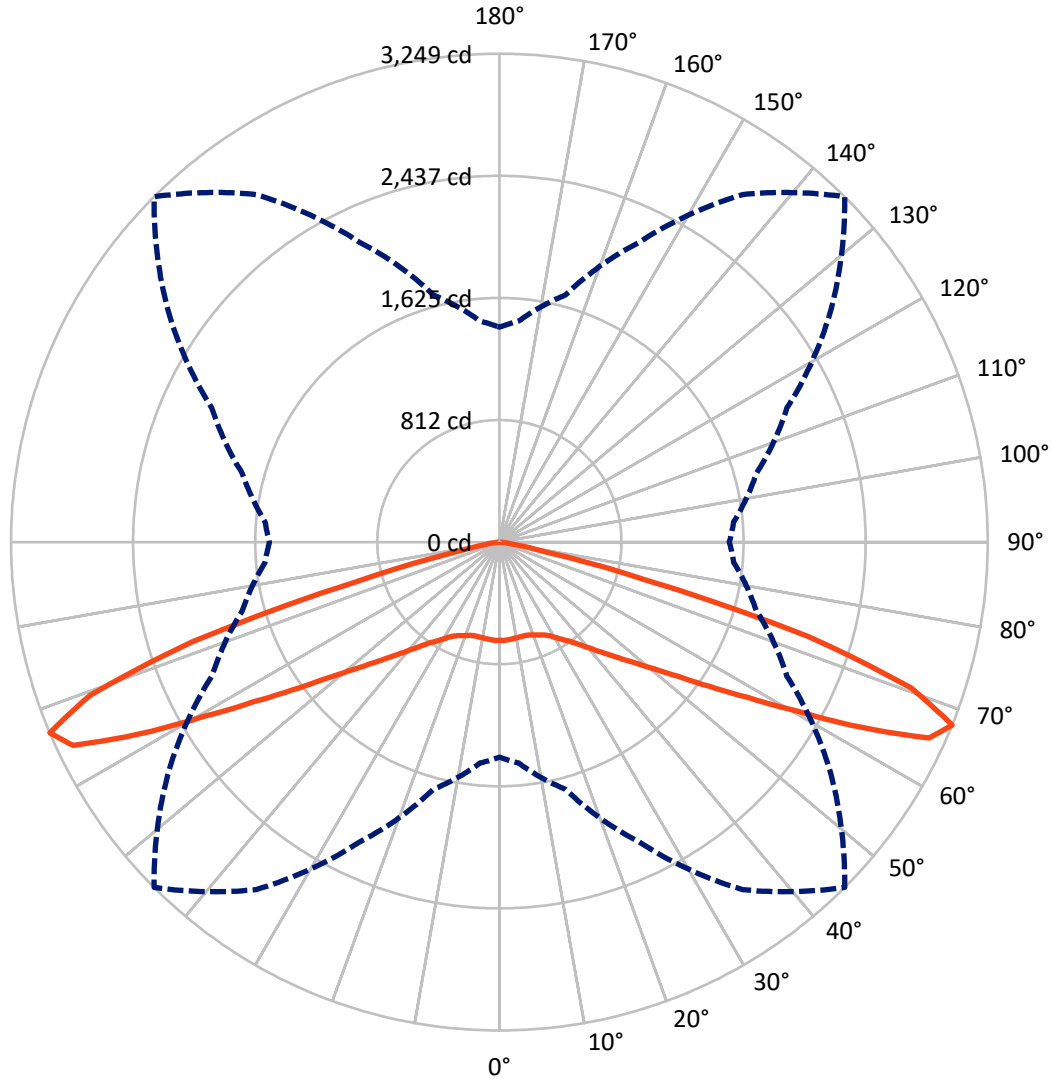
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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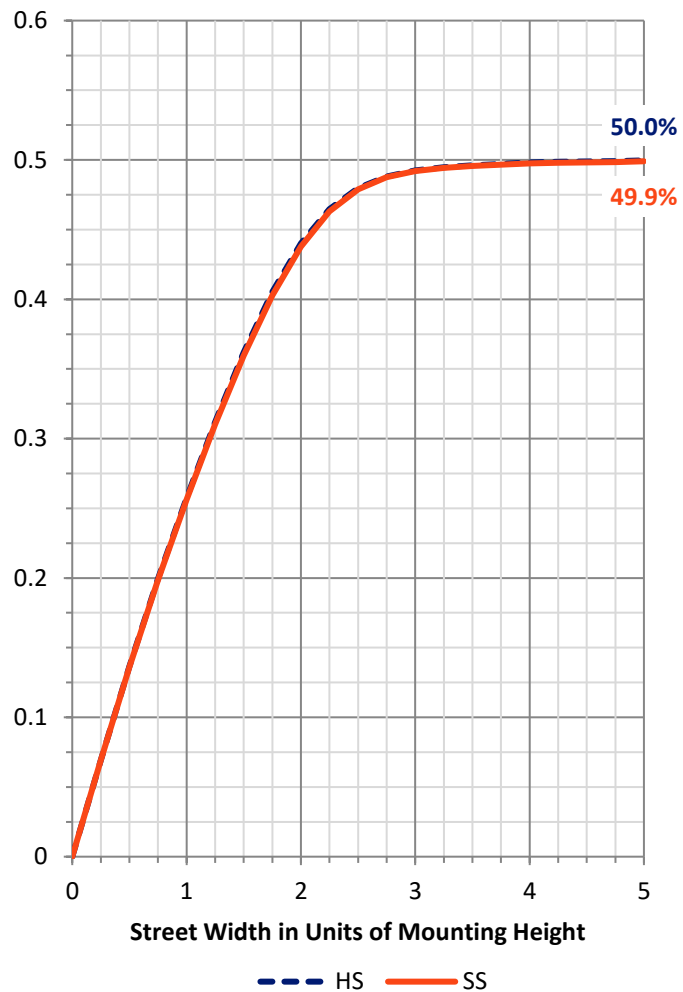
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3116.9	0.0	3116.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3116.9	0.0	3116.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6233.8	0.0	6233.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	1.0
10°-20°	181.5	2.9
20°-30°	313.0	5.0
30°-40°	509.0	8.2
40°-50°	857.0	13.7
50°-60°	1518.5	24.4
60°-70°	2170.6	34.8
70°-80°	595.7	9.6
80°-90°	26.7	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°	6233.8	100.0
0°-180°	6233.8	100.0

Coefficient of Utilization



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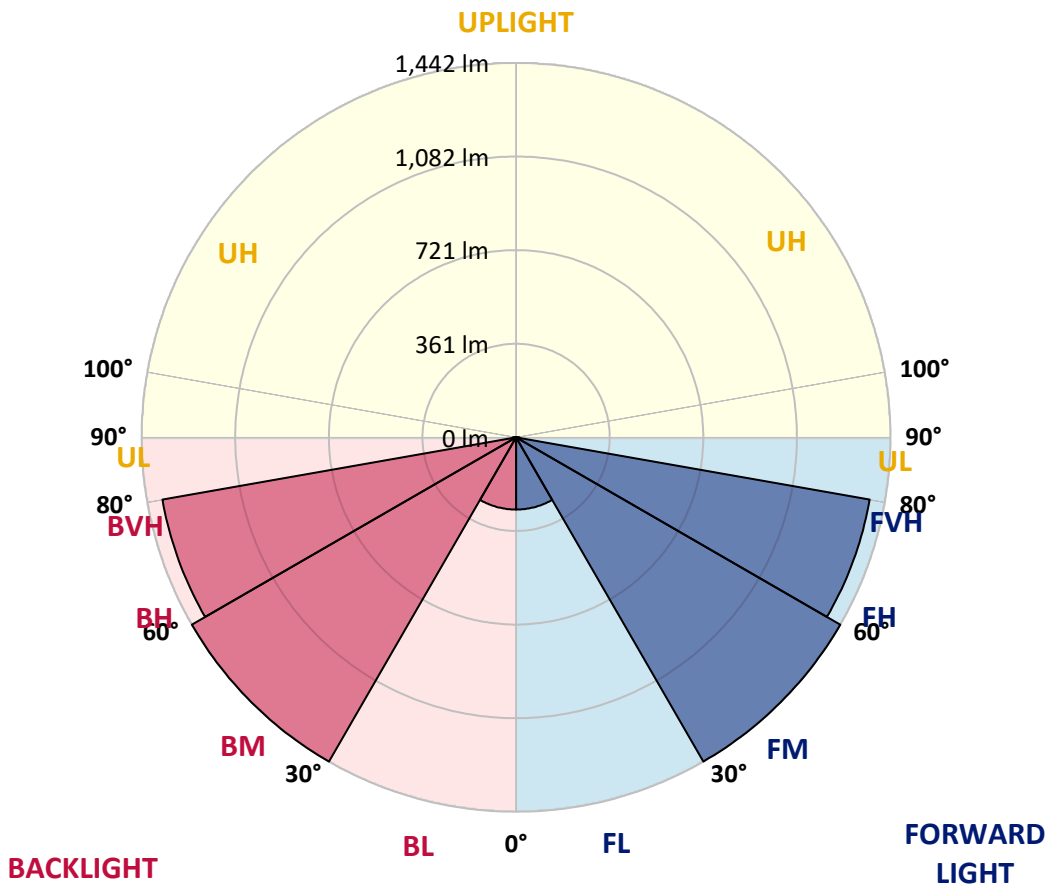
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.2	4.5			
FM (30°-60°)	1442.3	23.1			
FH (60°-80°)	1383.1	22.2			G1/1800
FVH (80°-90°)	13.3	0.2			G1/100
BL (0°-30°)	278.2	4.5	B1/500		
BM (30°-60°)	1442.3	23.1	B2/2500		
BH (60°-80°)	1383.1	22.2	B3/2500		G1/1800
BVH (80°-90°)	13.3	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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	648.6	648.1	650.3	651.6	651.2	654.2	653.7	652.9	652.9	651.6	655.0
5°	648.6	648.1	649.9	650.3	649.4	652.0	651.2	650.3	650.3	648.6	651.6
7.5°	645.1	645.5	646.8	647.7	646.8	649.0	647.7	646.0	645.5	643.8	646.8
10°	638.6	639.1	640.4	642.5	643.0	646.8	644.7	641.7	640.4	638.6	641.7
12.5°	634.8	635.2	636.5	639.1	639.9	645.1	643.0	638.2	636.1	634.3	637.3
15°	633.9	634.3	636.1	638.6	639.9	645.1	643.0	637.3	634.3	632.2	634.8
17.5°	633.9	634.8	637.3	641.2	643.8	649.0	646.4	639.9	635.6	631.7	634.3
20°	634.3	635.6	639.5	645.1	651.6	658.9	655.5	646.8	640.8	636.1	637.8
22.5°	638.2	640.4	645.1	652.4	661.9	670.6	667.6	655.9	647.3	640.8	642.5
25°	651.6	652.4	658.5	668.0	677.0	684.4	681.4	670.6	659.8	652.0	654.2
27.5°	675.3	677.5	682.7	692.6	700.3	704.2	703.8	696.5	685.7	678.8	680.5
30°	703.8	706.0	712.9	724.1	731.8	736.2	734.9	729.3	719.3	709.8	711.6
32.5°	737.0	737.9	746.1	758.6	766.8	773.3	769.0	762.9	750.4	739.2	740.0
35°	779.3	780.6	789.2	800.9	807.4	812.5	811.7	805.6	792.3	780.2	783.2
37.5°	832.4	833.3	841.0	855.7	860.9	864.8	865.6	862.6	848.8	833.3	836.3
40°	898.4	898.8	907.5	920.4	926.0	928.6	929.0	929.5	915.2	903.6	902.7
42.5°	975.2	977.4	989.5	1002.0	1004.6	1003.3	1007.6	1011.9	998.1	982.1	983.4
45°	1067.1	1068.4	1084.8	1098.6	1093.9	1089.6	1097.8	1106.4	1093.9	1073.2	1067.1
47.5°	1175.9	1178.5	1196.2	1210.0	1202.2	1194.4	1207.8	1216.9	1196.6	1174.6	1169.0
50°	1298.9	1300.6	1325.6	1342.9	1333.8	1319.6	1336.4	1345.9	1318.7	1291.5	1279.4
52.5°	1444.3	1440.8	1474.1	1504.3	1498.6	1480.1	1493.9	1495.6	1455.1	1416.7	1404.6
55°	1621.6	1618.2	1651.4	1684.6	1698.4	1693.7	1687.2	1676.9	1616.9	1575.9	1564.7
57.5°	1828.3	1817.5	1864.1	1909.0	1939.2	1947.9	1920.2	1896.1	1848.6	1798.1	1785.2
60°	2020.3	2019.9	2093.7	2171.4	2254.2	2288.8	2218.8	2153.3	2046.7	1954.8	1936.2
62.5°	2074.3	2083.3	2204.2	2396.6	2601.2	2723.3	2539.0	2322.0	2116.1	1977.6	1953.0
65°	1941.4	1963.8	2135.6	2439.3	2843.2	3141.9	2725.9	2325.9	2038.9	1866.3	1840.4
67.5°	1430.9	1475.8	1703.2	2201.2	2822.5	3249.3	2692.6	2110.5	1770.9	1565.5	1529.7
70°	706.0	748.7	929.0	1448.2	2322.4	2904.5	2329.7	1590.6	1196.2	998.5	965.7
72.5°	259.8	277.0	347.8	619.7	1281.6	2145.5	1593.1	888.5	579.5	461.3	439.3
75°	127.3	130.3	141.1	208.0	472.9	1009.7	748.7	340.9	213.2	185.6	179.5
77.5°	81.1	82.4	87.6	99.2	151.9	318.0	227.0	134.6	104.4	100.1	100.1
80°	45.3	46.6	53.5	61.7	71.2	109.2	81.6	80.7	68.6	60.0	58.7
82.5°	21.6	23.7	34.1	33.7	37.5	54.8	47.9	43.6	44.0	33.2	31.5
85°	9.9	9.9	13.4	16.0	16.8	18.6	22.0	25.0	24.6	16.8	18.1
87.5°	4.7	4.7	4.7	4.3	3.9	3.5	4.7	7.8	11.2	7.8	7.3
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)