

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: P632514

Luminaire Tested: GWS-SA2C-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6437.6 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

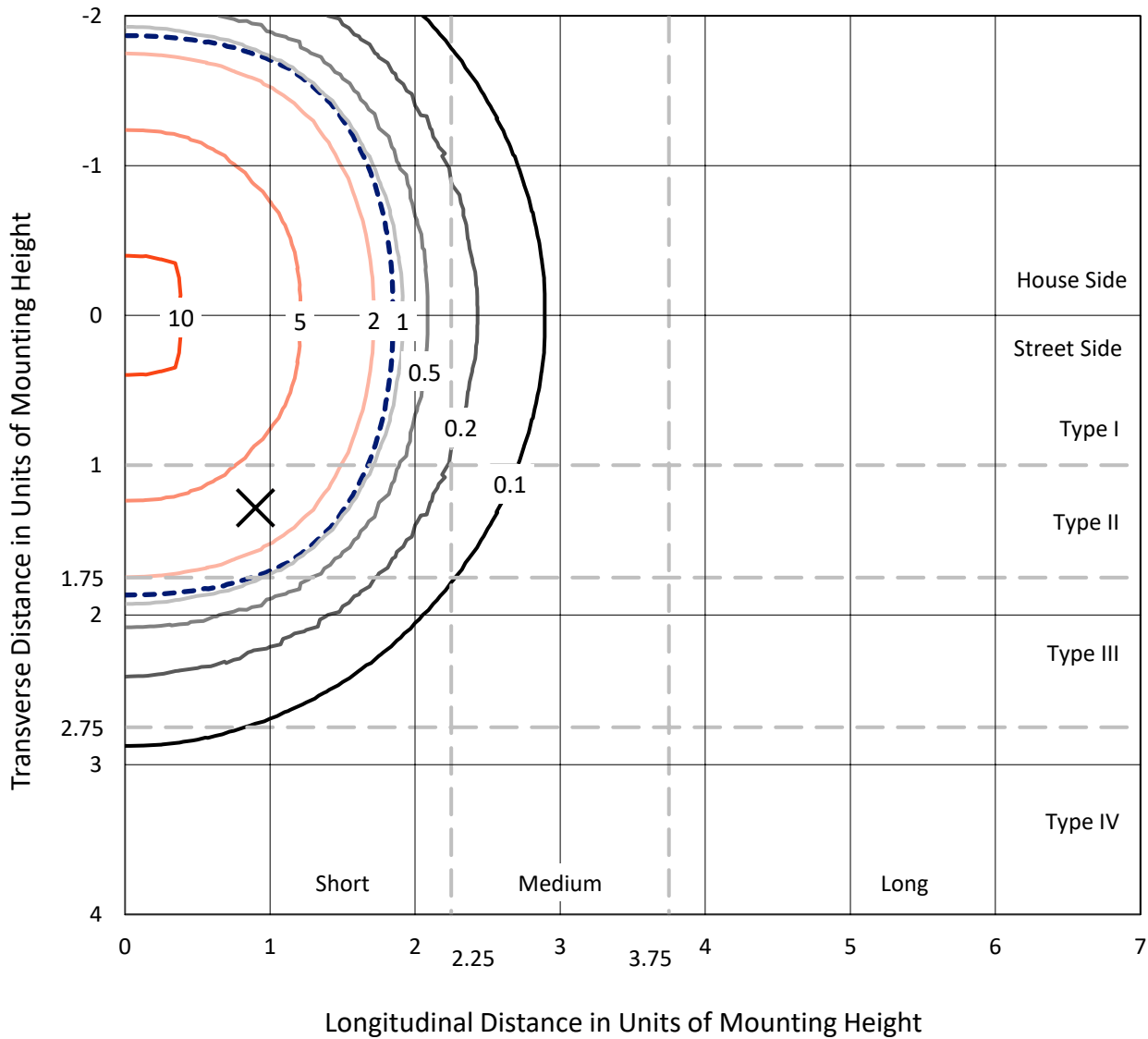
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

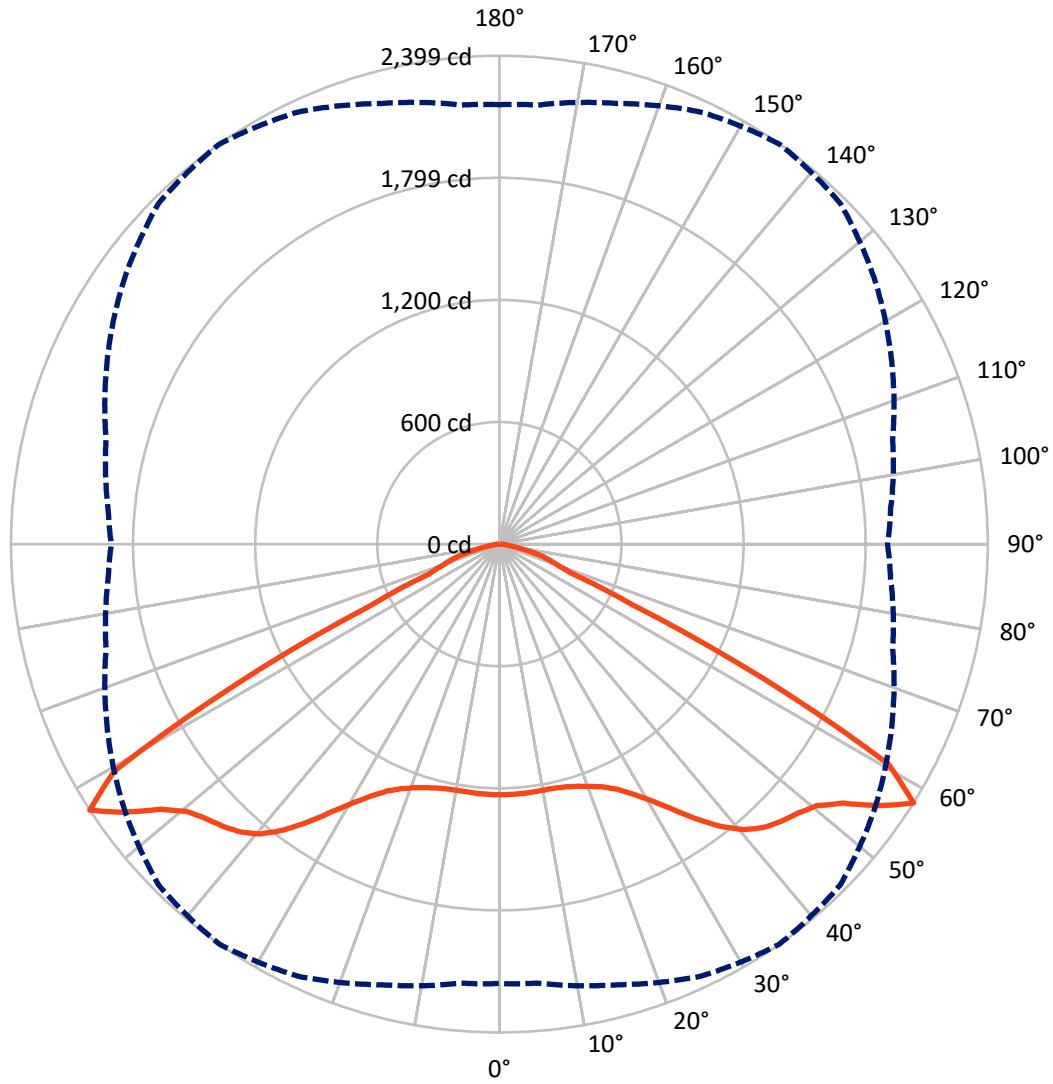
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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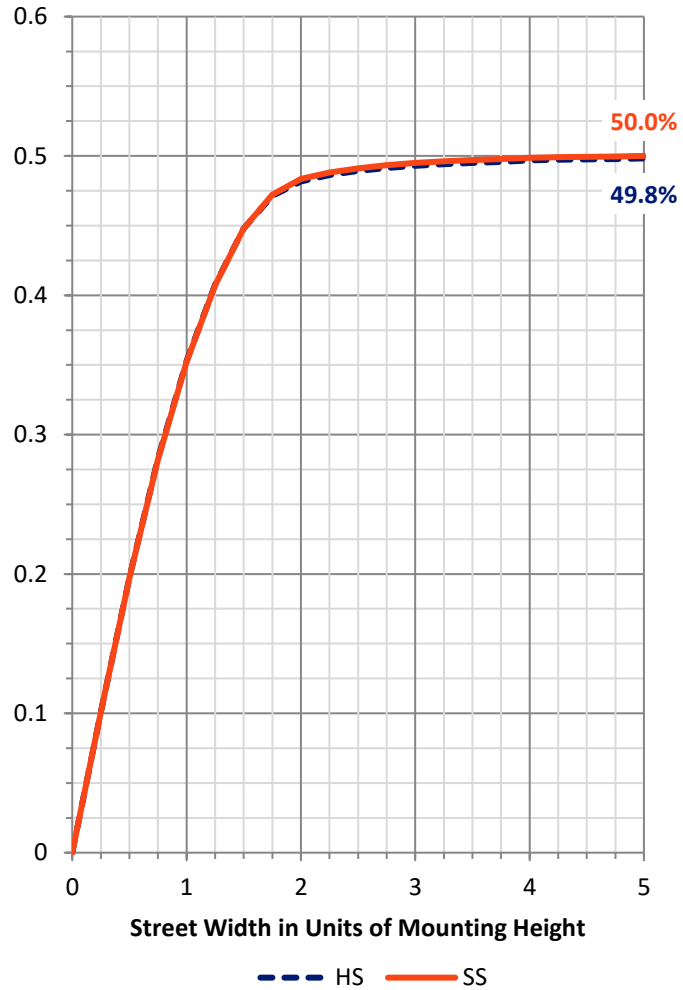
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3218.8	0.0	3218.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3218.8	0.0	3218.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6437.6	0.0	6437.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	1.8
10°-20°	349.6	5.4
20°-30°	610.0	9.5
30°-40°	1000.3	15.5
40°-50°	1473.2	22.9
50°-60°	1880.0	29.2
60°-70°	792.3	12.3
70°-80°	189.3	2.9
80°-90°	25.8	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°	6437.6	100.0
0°-180°	6437.6	100.0

Coefficient of Utilization



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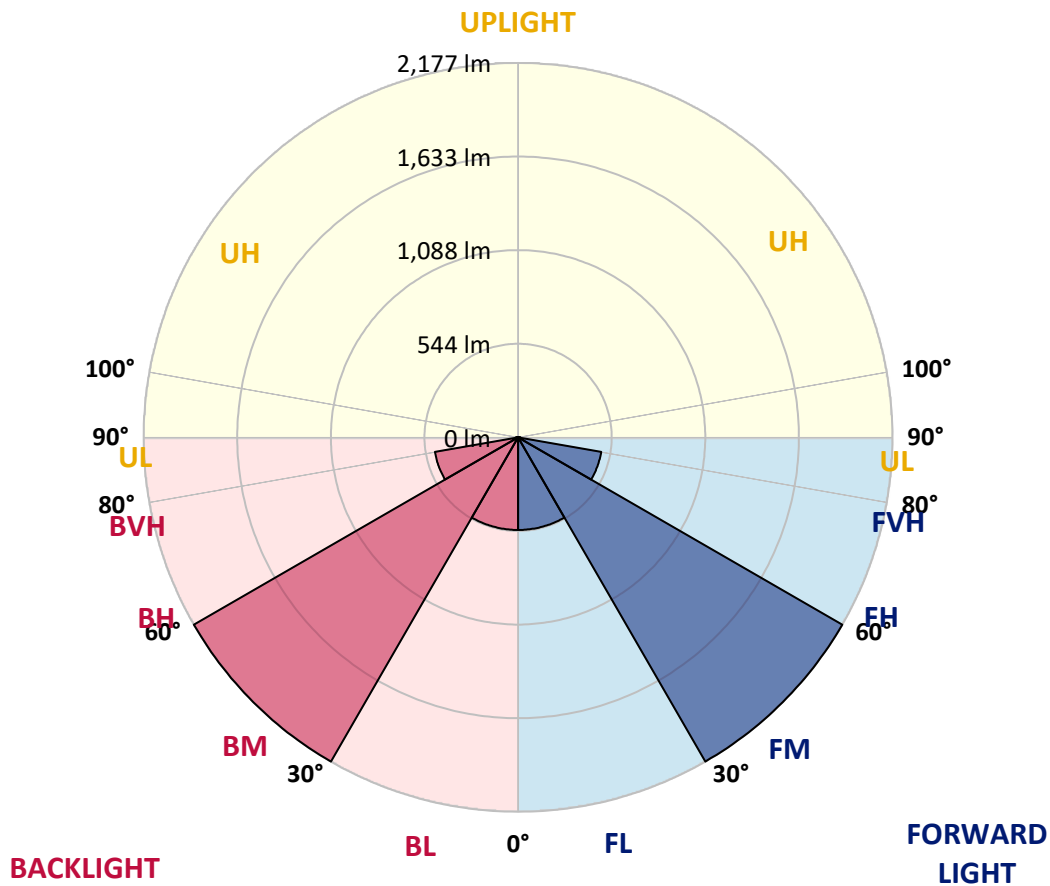
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.4	8.4			
FM (30°-60°)	2176.7	33.8			
FH (60°-80°)	490.8	7.6			G0/660
FVH (80°-90°)	12.9	0.2			G1/100
BL (0°-30°)	538.4	8.4	B2/1000		
BM (30°-60°)	2176.7	33.8	B2/2500		
BH (60°-80°)	490.8	7.6	B1/500		G0/660
BVH (80°-90°)	12.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8
2.5°	1224.4	1224.4	1227.0	1229.7	1230.7	1235.5	1234.9	1233.3	1232.3	1229.1	1233.3
5°	1227.0	1227.0	1229.1	1230.7	1230.2	1233.9	1232.3	1229.7	1228.1	1224.9	1229.7
7.5°	1226.5	1226.5	1228.1	1229.7	1228.6	1231.8	1229.1	1225.4	1222.8	1219.6	1223.9
10°	1219.6	1220.7	1222.3	1226.0	1227.5	1232.3	1228.6	1222.8	1218.6	1214.9	1219.1
12.5°	1218.6	1219.6	1221.7	1226.5	1229.1	1236.0	1231.2	1221.7	1215.4	1210.7	1214.9
15°	1223.3	1224.4	1227.5	1233.3	1237.6	1244.9	1238.1	1224.9	1215.9	1209.6	1213.3
17.5°	1229.1	1230.7	1235.5	1243.9	1250.7	1258.6	1250.2	1234.4	1221.7	1213.3	1216.5
20°	1235.5	1237.6	1244.9	1257.6	1270.2	1280.3	1269.7	1248.6	1233.3	1222.3	1225.4
22.5°	1246.5	1249.2	1258.6	1276.6	1295.5	1310.3	1297.1	1268.7	1248.6	1234.4	1237.0
25°	1269.2	1272.3	1284.5	1306.1	1333.0	1350.9	1332.4	1300.3	1272.3	1255.0	1257.6
27.5°	1309.2	1310.8	1326.6	1355.1	1388.3	1408.9	1386.7	1348.8	1317.7	1297.6	1299.8
30°	1361.9	1366.7	1382.5	1419.9	1459.5	1486.9	1457.9	1413.1	1377.2	1353.0	1355.1
32.5°	1426.2	1429.4	1453.1	1492.1	1549.1	1580.7	1541.2	1487.9	1444.7	1415.2	1417.3
35°	1510.6	1513.2	1535.9	1585.4	1654.5	1684.0	1638.7	1577.5	1527.4	1499.5	1507.4
37.5°	1611.3	1616.0	1632.3	1681.4	1758.3	1787.3	1735.1	1678.2	1626.0	1600.2	1606.0
40°	1719.3	1718.8	1731.9	1775.2	1845.3	1863.2	1816.3	1771.0	1726.2	1709.3	1718.8
42.5°	1812.1	1809.4	1818.9	1854.8	1903.2	1904.8	1873.7	1848.4	1816.8	1805.2	1814.2
45°	1876.9	1877.9	1892.2	1917.0	1941.7	1928.5	1919.1	1914.8	1890.1	1874.3	1875.8
47.5°	1928.0	1932.2	1954.9	1971.8	1974.9	1952.8	1966.0	1972.3	1951.7	1927.5	1920.6
50°	1973.3	1980.2	2009.7	2027.6	2020.8	1992.8	2018.7	2028.2	1982.8	1936.5	1922.7
52.5°	2055.6	2063.5	2099.3	2122.5	2114.6	2086.7	2110.9	2077.2	2000.8	1943.8	1926.4
55°	2186.8	2190.5	2234.2	2272.2	2268.5	2234.2	2214.7	2139.9	2047.1	1988.1	1971.8
57.5°	2158.9	2165.2	2241.1	2342.3	2399.2	2368.1	2253.7	2126.2	2000.2	1929.1	1906.9
60°	1698.7	1714.0	1808.4	1986.5	2195.2	2194.7	1982.3	1784.1	1632.3	1538.0	1528.5
62.5°	991.9	1002.5	1088.4	1268.7	1455.8	1467.4	1318.2	1182.2	1049.4	985.6	955.0
65°	469.6	469.1	503.4	584.5	711.0	721.0	676.2	601.9	523.4	501.8	496.0
67.5°	346.8	346.8	344.2	350.0	374.2	379.5	374.2	362.1	354.7	359.5	356.3
70°	301.0	301.5	298.3	296.7	296.7	295.2	297.3	302.0	305.2	311.5	308.3
72.5°	244.0	244.6	244.6	245.1	245.6	243.5	246.7	249.3	249.8	251.9	249.8
75°	173.4	174.5	177.6	180.3	182.4	182.4	183.4	183.9	181.8	184.5	180.3
77.5°	95.4	96.5	102.3	107.0	111.7	112.3	113.8	114.9	113.8	116.0	112.8
80°	52.7	53.8	56.4	58.5	62.2	65.4	67.5	68.5	68.5	70.1	68.5
82.5°	30.0	31.1	32.7	33.7	36.9	39.5	41.6	43.2	43.2	43.7	42.7
85°	14.2	14.2	15.3	16.3	17.9	19.0	21.6	23.2	23.2	24.2	23.2
87.5°	2.1	2.6	3.2	3.2	4.2	5.3	6.3	6.9	7.9	8.4	8.4
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)