

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: P632517

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-830-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

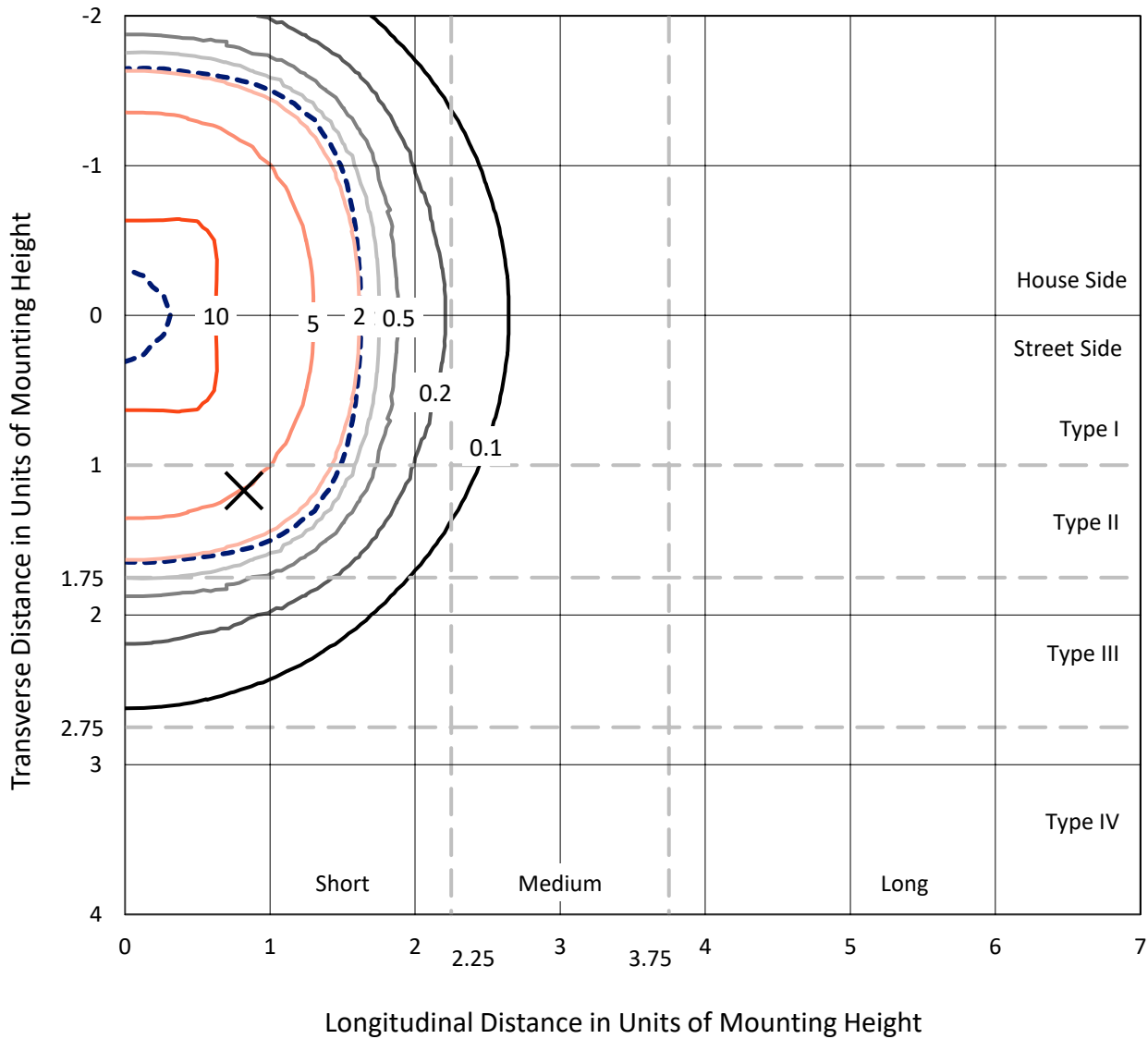
Lumens per Lamp: N/A  
Luminaire Lumens: 6665.3 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P632517  
 CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

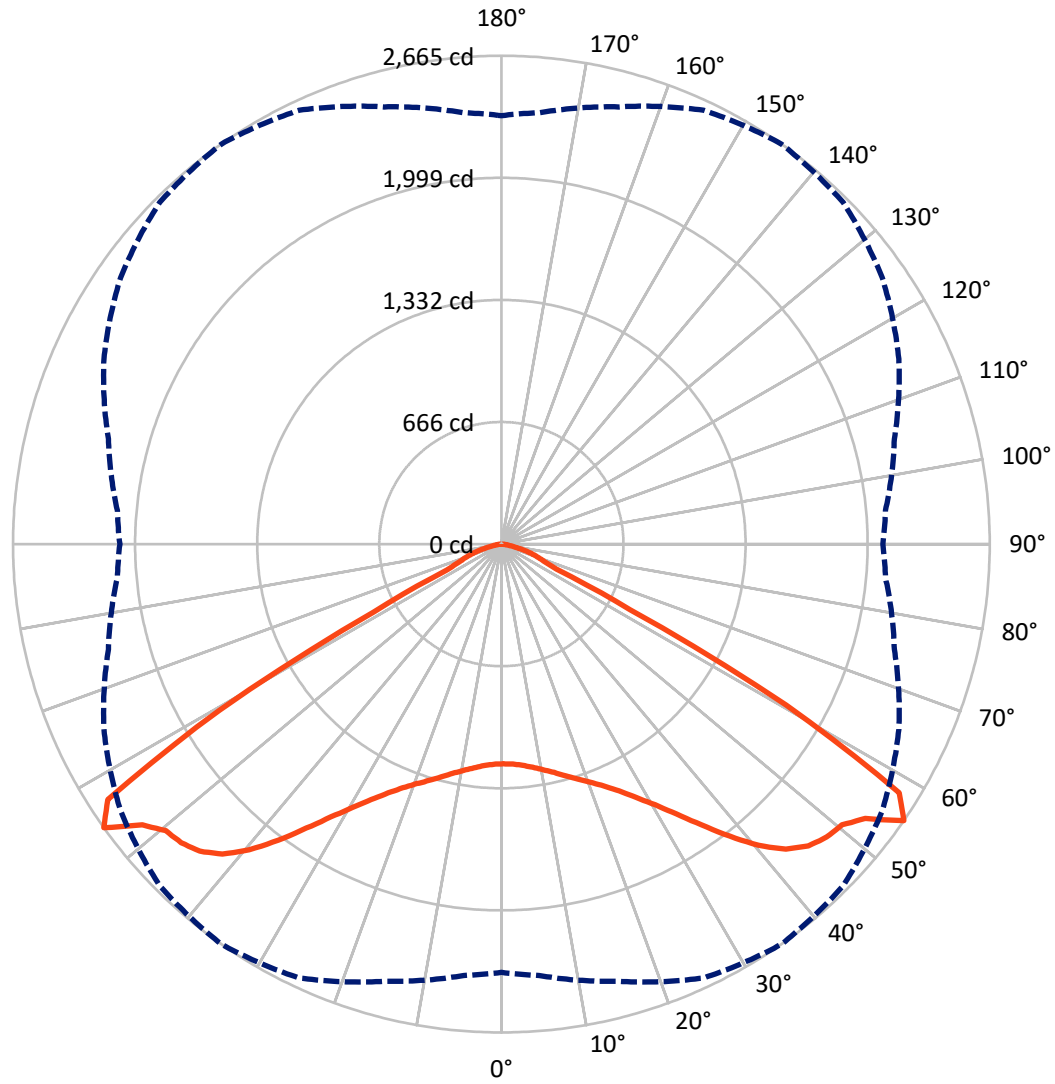
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc  
 Type V - Short - N/A

REPORT NUMBER: P632517  
CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P632517

CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSWH

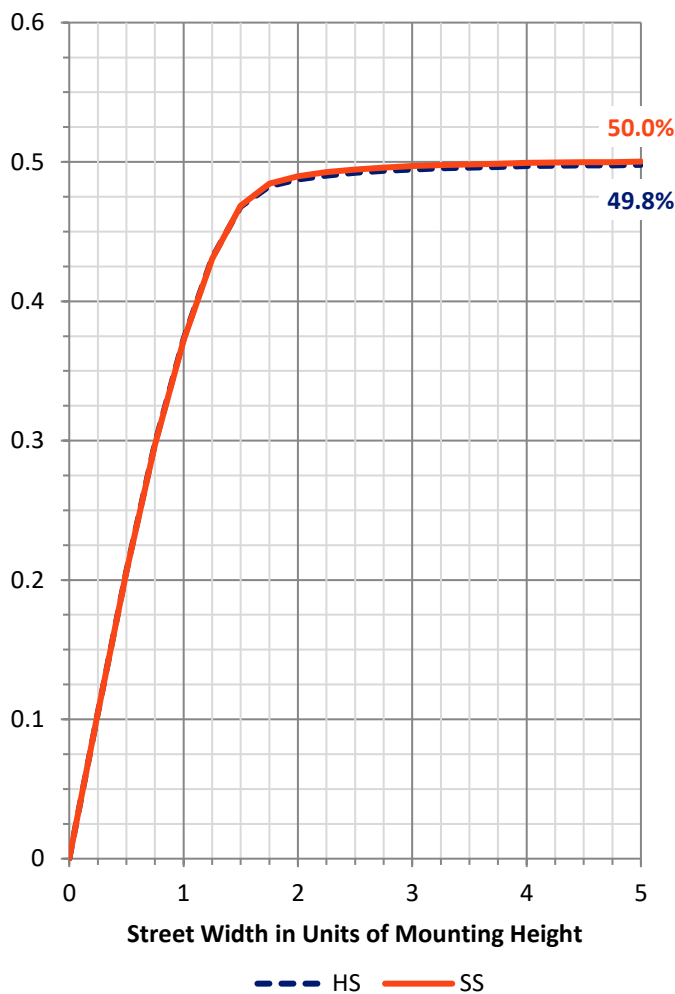
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3332.7	0.0	3332.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3332.7	0.0	3332.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6665.3	0.0	6665.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.0	1.8
10°-20°	372.4	5.6
20°-30°	689.2	10.3
30°-40°	1152.9	17.3
40°-50°	1756.8	26.4
50°-60°	1967.9	29.5
60°-70°	465.6	7.0
70°-80°	125.5	1.9
80°-90°	18.1	0.3
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°	6665.3	100.0
0°-180°	6665.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632517

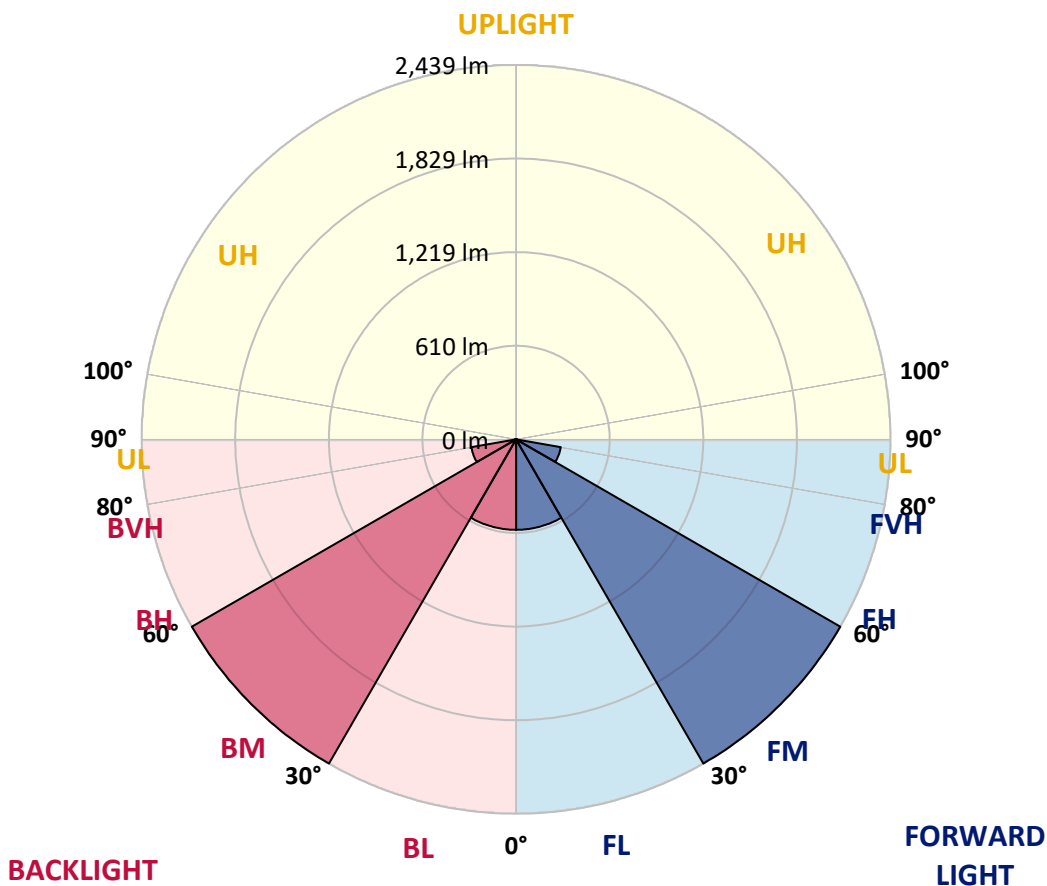
CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.3	8.8			
FM (30°-60°)	2438.8	36.6			
FH (60°-80°)	295.6	4.4			G0/660
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	589.3	8.8	B2/1000		
BM (30°-60°)	2438.8	36.6	B2/2500		
BH (60°-80°)	295.6	4.4	B1/500		G0/660
BVH (80°-90°)	9.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





REPORT NUMBER: P632517

CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1
2.5°	1196.5	1196.5	1198.6	1201.2	1201.7	1207.0	1206.0	1203.8	1202.8	1200.7	1205.4
5°	1209.6	1210.2	1211.8	1213.3	1212.3	1216.5	1214.9	1212.3	1210.7	1208.1	1212.8
7.5°	1227.0	1227.0	1228.6	1230.7	1229.7	1236.0	1232.8	1229.1	1226.5	1223.4	1227.6
10°	1242.9	1243.9	1245.5	1249.7	1251.8	1258.7	1256.6	1251.3	1247.1	1243.4	1248.1
12.5°	1266.6	1267.6	1269.2	1275.0	1278.7	1285.5	1282.4	1275.0	1268.7	1263.4	1268.7
15°	1297.1	1296.1	1300.3	1307.7	1312.4	1318.8	1315.1	1302.4	1294.0	1287.1	1292.4
17.5°	1328.2	1327.7	1331.9	1341.4	1348.3	1356.7	1350.4	1335.6	1326.7	1318.2	1323.5
20°	1362.0	1363.6	1367.8	1376.7	1386.7	1397.8	1392.5	1376.7	1366.7	1357.2	1361.4
22.5°	1403.6	1404.1	1408.9	1420.5	1433.7	1444.2	1441.0	1421.5	1408.9	1398.9	1404.1
25°	1453.7	1453.2	1459.5	1473.2	1491.6	1502.2	1495.3	1473.7	1460.0	1448.4	1452.6
27.5°	1511.1	1510.6	1520.1	1538.0	1564.4	1579.1	1564.9	1538.0	1519.0	1502.7	1506.4
30°	1583.3	1581.8	1592.3	1616.6	1650.8	1675.6	1654.5	1617.1	1592.3	1574.9	1578.6
32.5°	1663.5	1665.6	1678.7	1711.4	1754.6	1786.8	1755.2	1713.5	1680.3	1655.0	1659.2
35°	1751.5	1751.5	1778.4	1819.0	1880.6	1923.3	1874.3	1814.2	1769.9	1735.1	1736.2
37.5°	1849.5	1850.6	1885.9	1941.8	2022.4	2072.5	2006.1	1931.7	1878.0	1840.6	1838.5
40°	1969.2	1972.3	2008.7	2070.9	2161.6	2207.4	2136.3	2063.5	2008.7	1964.4	1960.2
42.5°	2104.1	2105.2	2143.6	2199.5	2275.9	2303.3	2247.5	2187.9	2143.1	2103.0	2098.8
45°	2232.7	2230.1	2263.3	2304.9	2349.2	2351.8	2320.7	2296.5	2257.5	2223.2	2216.9
47.5°	2332.9	2330.7	2360.8	2383.5	2388.7	2362.9	2372.9	2376.6	2331.3	2284.9	2272.8
50°	2394.0	2398.2	2426.7	2439.3	2408.2	2366.1	2404.0	2394.5	2329.7	2269.1	2249.6
52.5°	2430.9	2437.2	2486.8	2518.9	2486.8	2446.7	2452.0	2396.1	2302.8	2222.7	2197.4
55°	2337.6	2362.9	2469.9	2612.2	2664.9	2637.0	2536.8	2392.9	2220.1	2103.6	2082.0
57.5°	1732.5	1772.6	1931.2	2239.6	2560.0	2661.8	2369.2	2006.1	1744.1	1594.4	1581.8
60°	884.4	929.2	1056.3	1373.0	1785.2	1928.6	1650.3	1284.5	1021.0	899.7	886.0
62.5°	361.0	368.4	410.1	532.4	789.0	910.3	799.6	561.3	421.7	388.5	389.0
65°	284.1	285.7	283.6	290.9	330.5	366.8	338.9	297.8	290.4	294.1	291.5
67.5°	247.7	248.3	246.7	246.7	248.3	246.7	249.8	251.4	252.5	256.7	254.1
70°	207.1	207.7	207.7	208.7	208.2	205.6	210.3	212.4	212.9	215.6	214.0
72.5°	160.2	161.8	162.9	163.4	162.9	161.3	163.9	167.6	167.1	169.7	167.1
75°	108.6	110.7	111.7	113.8	113.3	113.3	116.5	118.1	116.5	118.6	116.5
77.5°	61.7	63.2	66.4	68.5	70.6	72.2	74.3	75.4	74.8	75.9	74.8
80°	35.8	36.4	39.0	40.1	42.7	45.3	47.4	48.5	49.0	49.5	49.0
82.5°	20.6	21.1	22.1	23.2	25.3	27.4	29.5	31.1	31.1	31.6	31.1
85°	10.0	10.0	10.5	11.1	12.1	13.7	15.3	16.9	17.4	17.4	17.4
87.5°	1.6	1.6	2.1	2.1	2.6	3.2	4.2	5.3	5.8	5.8	5.8
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)