

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: P633015

Luminaire Tested: GWS-SA2D-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-830-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

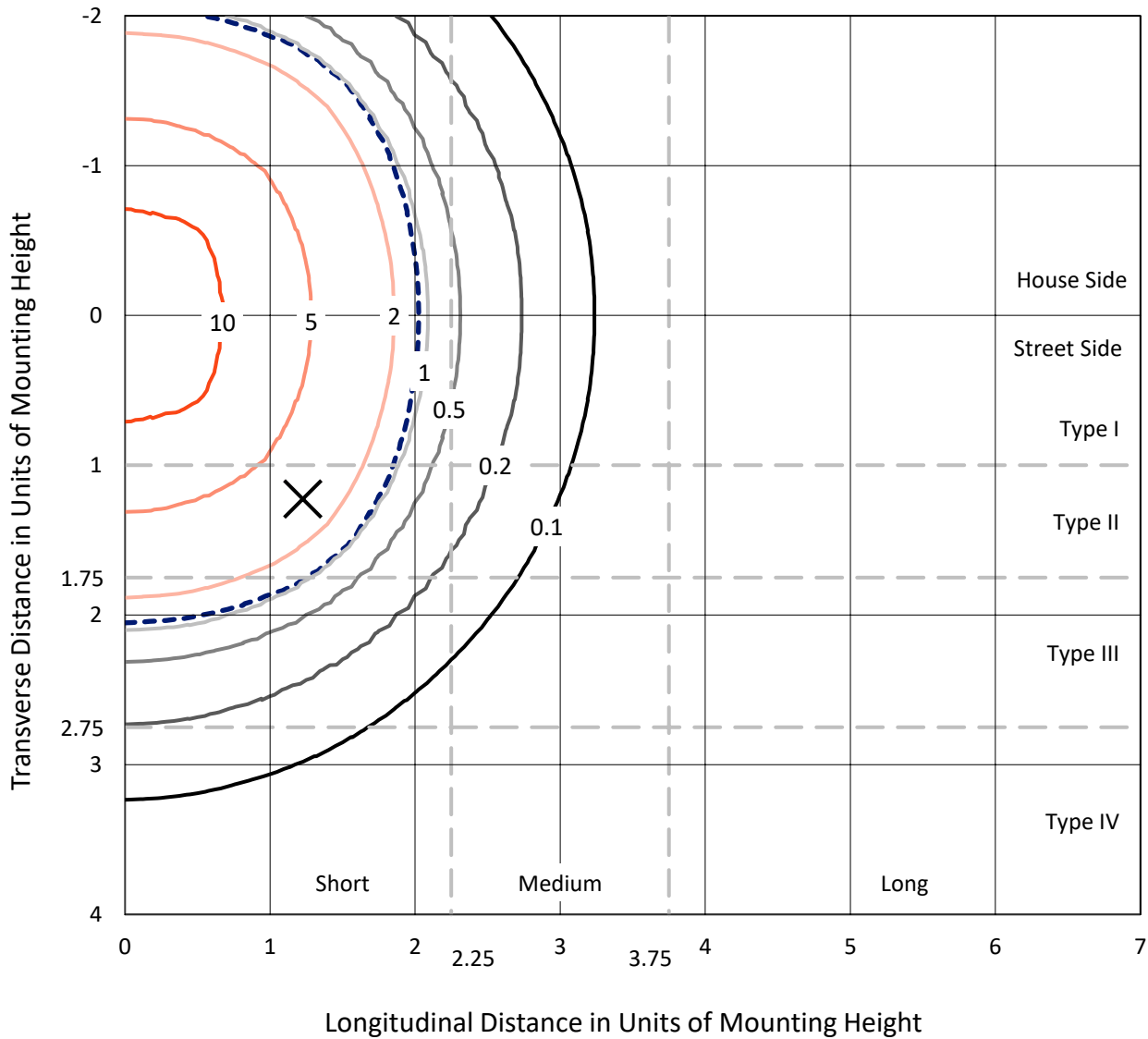
Lumens per Lamp: N/A  
Luminaire Lumens: 7833.5 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P633015  
 CATALOG NUMBER: GWS-SA2D-830-U-5WQ-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

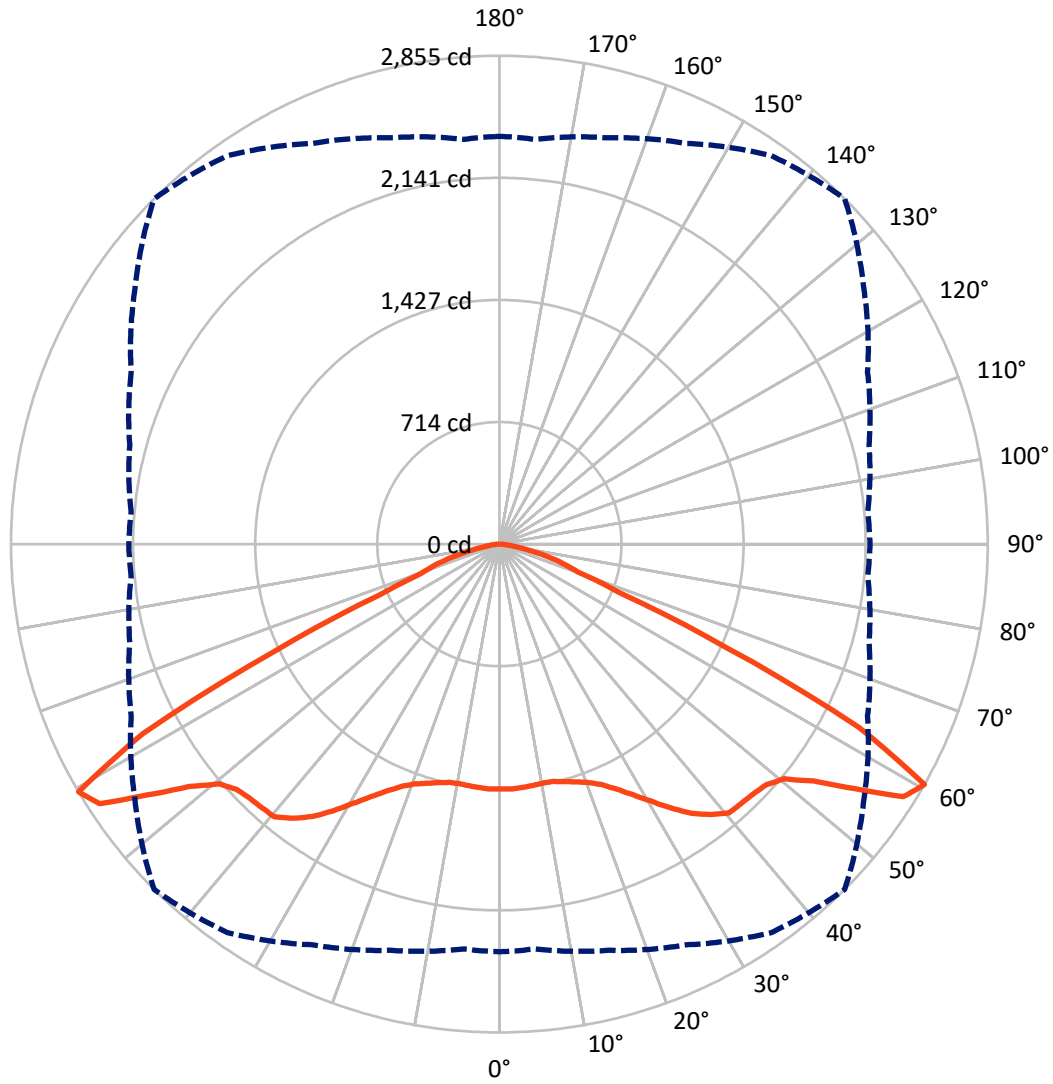
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P633015  
CATALOG NUMBER: GWS-SA2D-830-U-5WQ-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P633015

CATALOG NUMBER: GWS-SA2D-830-U-5WQ-W-GRSWH

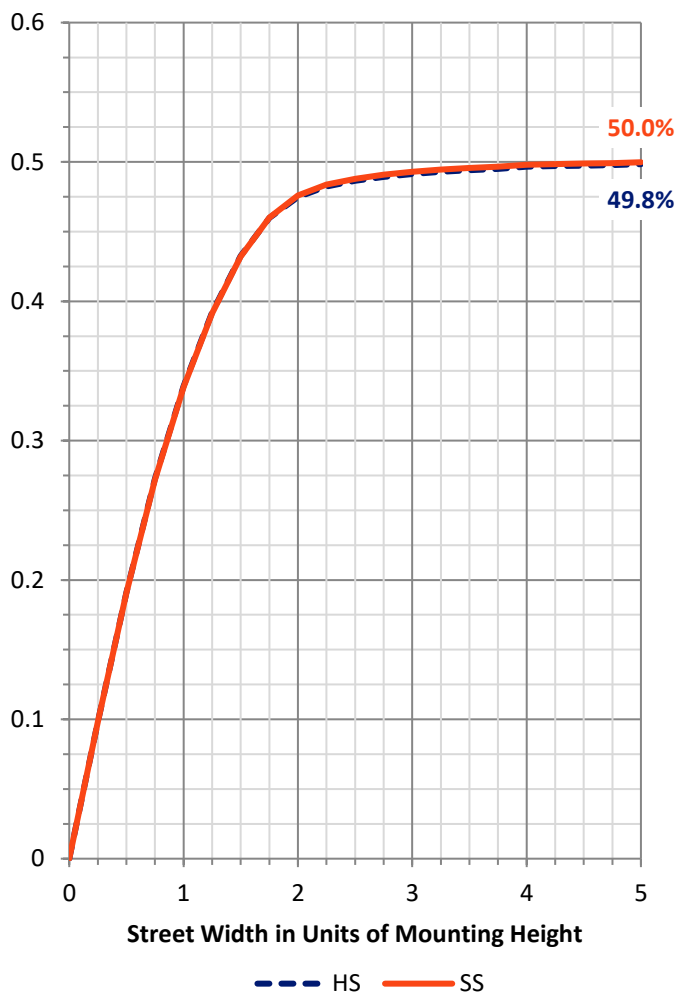
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3916.8	0.0	3916.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3916.8	0.0	3916.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7833.5	0.0	7833.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	1.7
10°-20°	408.4	5.2
20°-30°	722.4	9.2
30°-40°	1163.2	14.8
40°-50°	1598.7	20.4
50°-60°	2130.5	27.2
60°-70°	1327.8	17.0
70°-80°	305.3	3.9
80°-90°	41.4	0.5
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°	7833.5	100.0
0°-180°	7833.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633015

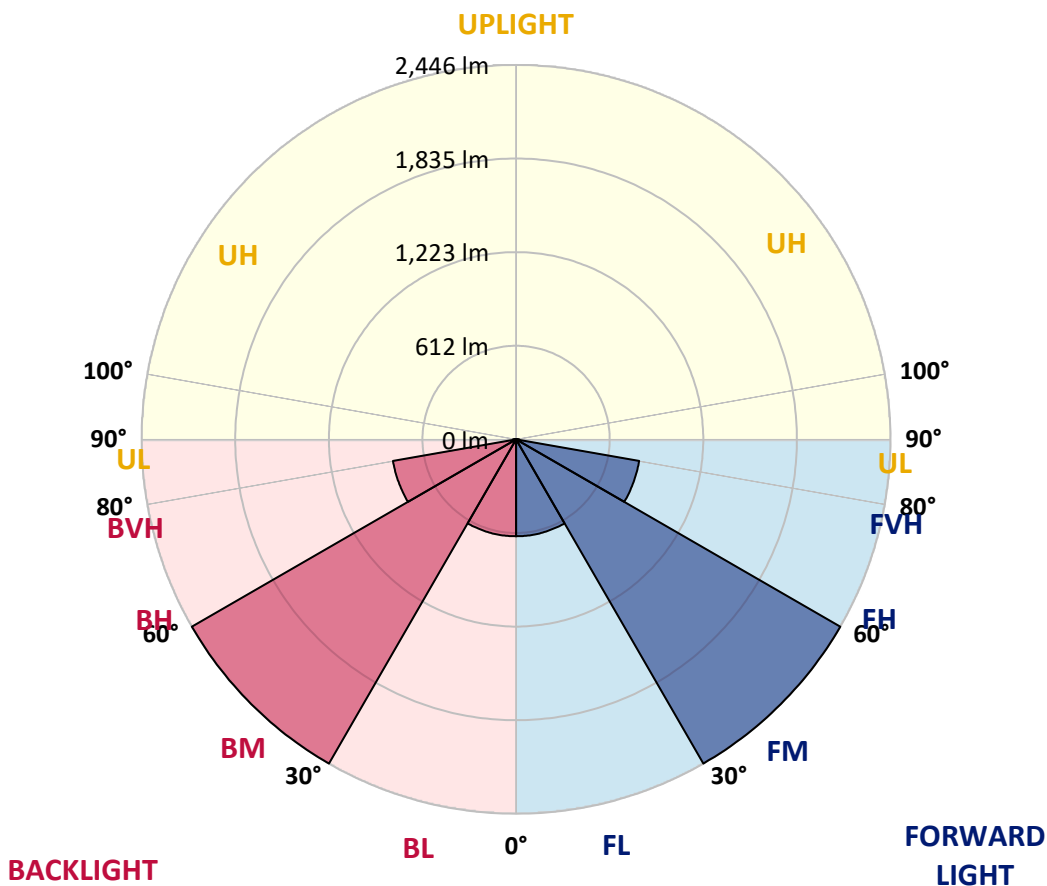
CATALOG NUMBER: GWS-SA2D-830-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.3	8.1			
FM (30°-60°)	2446.2	31.2			
FH (60°-80°)	816.6	10.4			G1/1800
FVH (80°-90°)	20.7	0.3			G1/100
BL (0°-30°)	633.3	8.1	B2/1000		
BM (30°-60°)	2446.2	31.2	B2/2500		
BH (60°-80°)	816.6	10.4	B2/1000		G1/1800
BVH (80°-90°)	20.7	0.3			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





REPORT NUMBER: P633015

CATALOG NUMBER: GWS-SA2D-830-U-5WQ-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1431.6	1431.6	1431.6	1431.6	1431.6	1431.6	1431.6	1431.6	1431.6	1431.6	1431.6
2.5°	1421.6	1422.9	1425.6	1427.6	1430.2	1432.9	1434.2	1431.6	1430.2	1424.9	1430.9
5°	1422.9	1424.2	1426.2	1426.2	1426.9	1428.9	1428.9	1425.6	1422.3	1416.3	1422.9
7.5°	1420.9	1422.3	1422.9	1422.3	1422.9	1423.6	1422.3	1418.3	1414.9	1409.6	1414.9
10°	1417.6	1418.9	1420.3	1418.9	1417.6	1419.6	1419.6	1416.9	1414.9	1409.6	1415.6
12.5°	1424.9	1426.9	1427.6	1424.2	1422.9	1423.6	1423.6	1420.9	1420.9	1416.3	1422.9
15°	1442.2	1443.5	1441.5	1437.5	1438.2	1440.2	1435.6	1428.9	1427.6	1425.6	1430.9
17.5°	1455.5	1456.8	1454.8	1452.2	1456.8	1461.5	1452.8	1440.2	1436.2	1434.9	1440.9
20°	1470.1	1472.1	1469.5	1472.8	1482.1	1487.4	1476.8	1459.5	1451.5	1449.5	1456.8
22.5°	1494.1	1496.7	1496.7	1504.0	1518.0	1526.6	1513.3	1490.1	1478.1	1474.8	1482.1
25°	1532.0	1534.0	1536.0	1550.6	1573.2	1585.2	1563.9	1532.0	1515.3	1510.0	1514.0
27.5°	1584.5	1587.8	1591.1	1612.4	1640.3	1657.6	1627.0	1587.2	1566.5	1555.9	1563.9
30°	1647.0	1651.6	1659.6	1683.6	1722.8	1742.1	1702.8	1654.3	1631.0	1619.7	1630.4
32.5°	1732.1	1732.8	1738.8	1765.3	1817.2	1839.2	1789.9	1736.1	1712.2	1698.9	1704.8
35°	1833.2	1833.8	1824.5	1851.8	1907.6	1932.2	1874.4	1819.9	1799.9	1795.9	1811.2
37.5°	1936.9	1930.9	1921.6	1933.6	1990.1	2006.0	1944.9	1898.3	1889.7	1897.0	1919.6
40°	2010.7	2000.7	1982.1	1990.8	2047.9	2066.6	2001.4	1957.5	1954.8	1972.8	2000.1
42.5°	2058.6	2047.9	2026.0	2026.0	2065.2	2073.2	2022.7	1999.4	2005.4	2026.0	2051.9
45°	2081.8	2075.9	2063.2	2056.6	2078.5	2081.8	2043.3	2034.0	2045.3	2055.3	2075.2
47.5°	2099.8	2099.8	2095.8	2089.2	2099.1	2101.1	2072.5	2069.9	2084.5	2084.5	2097.8
50°	2131.7	2135.0	2140.4	2139.0	2149.7	2156.3	2135.0	2131.1	2137.0	2117.8	2124.4
52.5°	2215.5	2224.1	2239.4	2251.4	2278.7	2299.3	2261.4	2229.5	2198.2	2155.7	2157.0
55°	2365.8	2369.8	2399.7	2434.9	2480.8	2522.7	2444.9	2345.8	2278.0	2228.1	2228.8
57.5°	2492.8	2498.7	2542.6	2616.4	2719.5	2784.7	2612.4	2446.9	2351.1	2290.0	2292.0
60°	2383.1	2375.1	2458.2	2584.5	2771.4	2854.5	2600.5	2374.4	2236.8	2161.0	2166.3
62.5°	1843.8	1828.5	1920.9	2053.3	2277.3	2360.4	2126.4	1909.6	1779.3	1720.1	1711.5
65°	1122.4	1108.4	1174.9	1256.0	1407.6	1460.2	1353.1	1238.1	1124.4	1088.5	1078.5
67.5°	611.1	609.1	627.0	666.9	733.4	758.0	737.4	682.9	653.6	628.3	628.3
70°	484.7	480.7	477.4	478.1	484.1	487.4	488.0	485.4	488.7	489.4	486.7
72.5°	401.6	400.3	393.6	394.3	391.6	390.3	395.0	397.6	402.9	403.6	403.6
75°	291.2	287.9	291.2	291.9	289.2	289.2	292.6	291.9	294.6	295.9	288.6
77.5°	165.6	165.6	170.2	175.5	179.5	179.5	182.9	182.9	186.2	185.5	184.2
80°	91.1	91.1	93.8	97.1	101.1	105.1	108.4	109.0	111.0	110.4	108.4
82.5°	51.9	52.5	53.9	55.9	59.8	63.2	66.5	67.2	69.2	69.2	67.2
85°	24.6	23.9	24.6	25.9	27.9	30.6	33.9	35.9	37.2	37.2	35.9
87.5°	4.7	5.3	4.7	5.3	6.0	8.0	9.3	10.6	12.6	13.3	12.0
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)