

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: P633012

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633012
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-SA2D-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: 8408.6 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

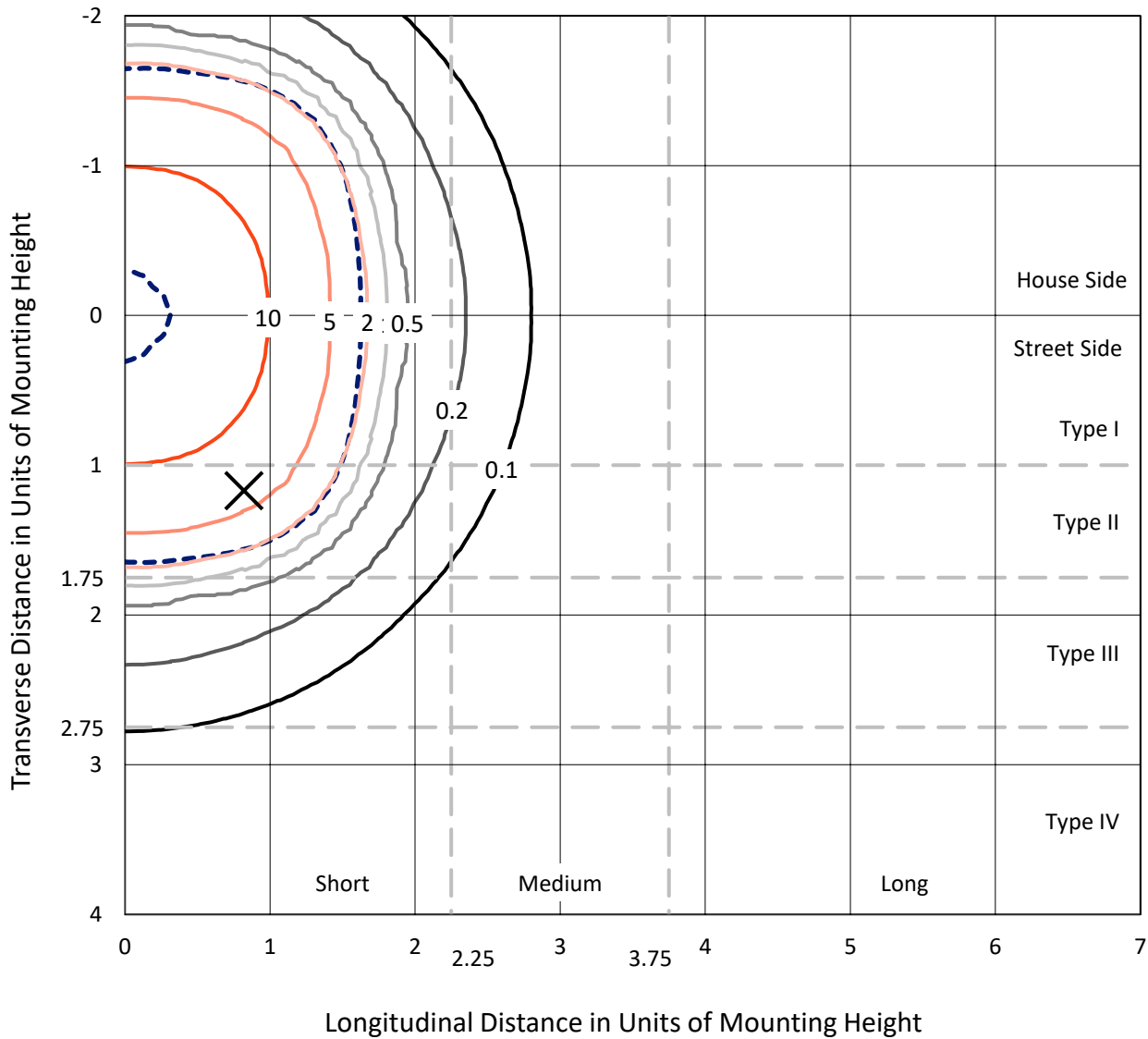
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633012
 CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

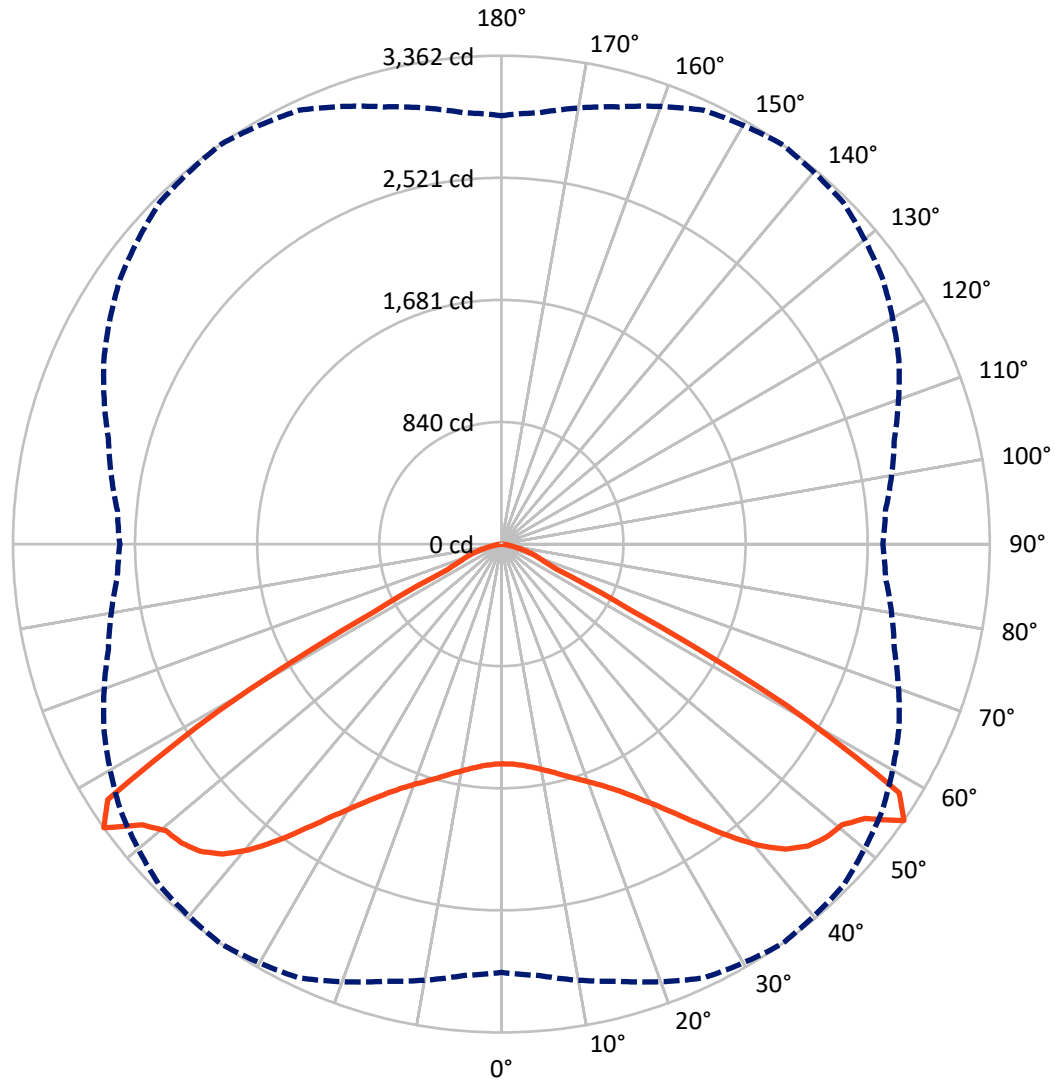
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type V - Short - N/A

REPORT NUMBER: P633012
CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633012

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

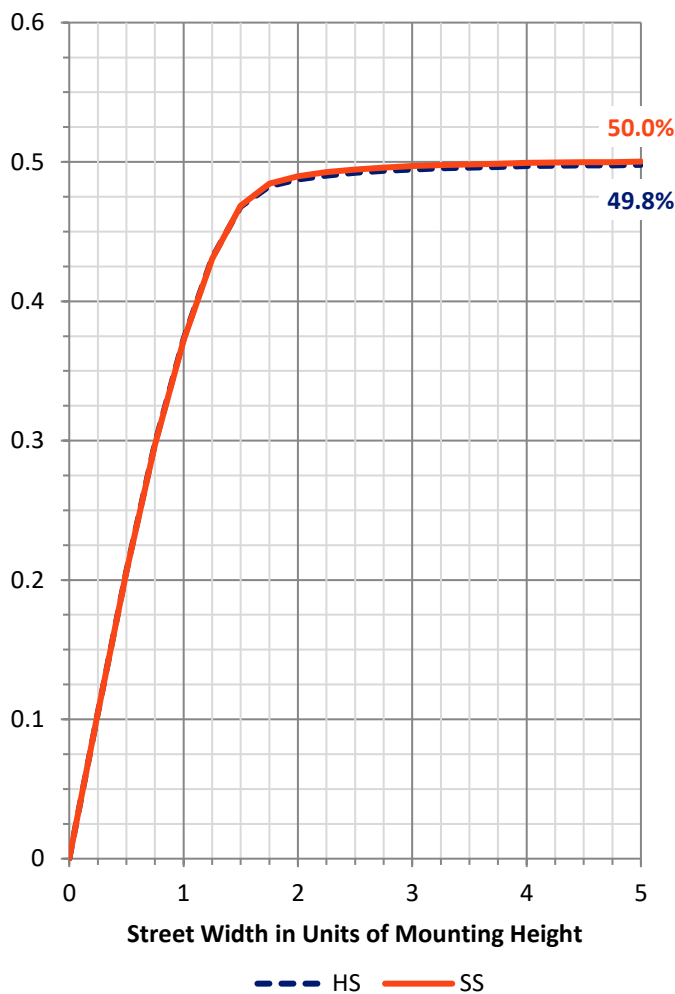
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4204.3	0.0	4204.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4204.3	0.0	4204.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8408.6	0.0	8408.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	1.8
10°-20°	469.8	5.6
20°-30°	869.4	10.3
30°-40°	1454.4	17.3
40°-50°	2216.2	26.4
50°-60°	2482.7	29.5
60°-70°	587.4	7.0
70°-80°	158.4	1.9
80°-90°	22.8	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°	8408.6	100.0
0°-180°	8408.6	100.0

Coefficient of Utilization



REPORT NUMBER: P633012

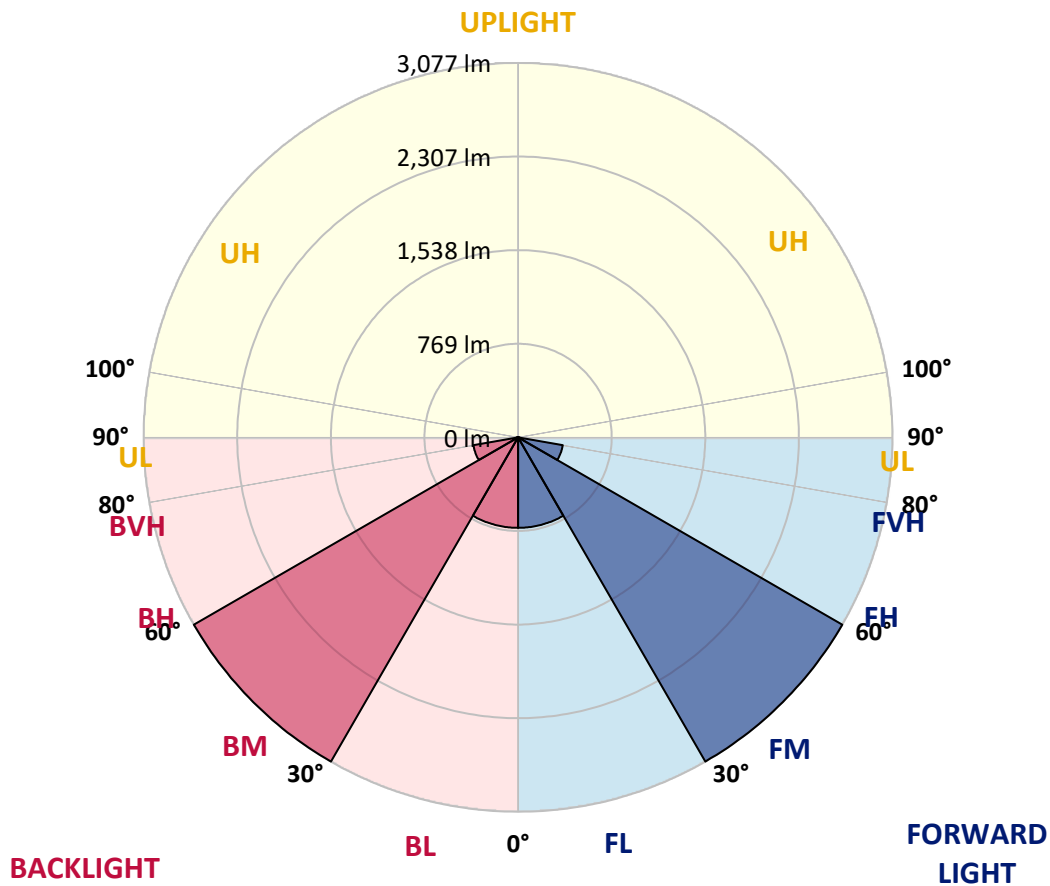
CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.4	8.8			
FM (30°-60°)	3076.6	36.6			
FH (60°-80°)	372.9	4.4			G0/660
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	743.4	8.8	B2/1000		
BM (30°-60°)	3076.6	36.6	B3/5000		
BH (60°-80°)	372.9	4.4	B1/500		G0/660
BVH (80°-90°)	11.4	0.1			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





REPORT NUMBER: P633012

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7
2.5°	1509.4	1509.4	1512.1	1515.4	1516.1	1522.7	1521.4	1518.7	1517.4	1514.7	1520.7
5°	1526.0	1526.7	1528.7	1530.7	1529.4	1534.7	1532.7	1529.4	1527.4	1524.0	1530.0
7.5°	1548.0	1548.0	1550.0	1552.6	1551.3	1559.3	1555.3	1550.6	1547.3	1543.3	1548.6
10°	1567.9	1569.2	1571.2	1576.6	1579.2	1587.9	1585.2	1578.6	1573.2	1568.6	1574.6
12.5°	1597.8	1599.2	1601.2	1608.5	1613.1	1621.8	1617.8	1608.5	1600.5	1593.9	1600.5
15°	1636.4	1635.1	1640.4	1649.7	1655.7	1663.7	1659.0	1643.1	1632.4	1623.8	1630.4
17.5°	1675.6	1675.0	1680.3	1692.3	1700.9	1711.5	1703.6	1684.9	1673.6	1663.0	1669.7
20°	1718.2	1720.2	1725.5	1736.8	1749.4	1763.4	1756.8	1736.8	1724.2	1712.2	1717.5
22.5°	1770.7	1771.4	1777.4	1792.0	1808.6	1821.9	1817.9	1793.3	1777.4	1764.7	1771.4
25°	1833.9	1833.2	1841.2	1858.5	1881.8	1895.1	1886.4	1859.2	1841.9	1827.2	1832.6
27.5°	1906.4	1905.7	1917.7	1940.3	1973.5	1992.1	1974.2	1940.3	1916.3	1895.7	1900.4
30°	1997.5	1995.5	2008.8	2039.4	2082.6	2113.8	2087.2	2040.0	2008.8	1986.8	1991.5
32.5°	2098.5	2101.2	2117.8	2159.0	2213.6	2254.1	2214.2	2161.7	2119.8	2087.9	2093.2
35°	2209.6	2209.6	2243.5	2294.7	2372.5	2426.4	2364.5	2288.7	2232.9	2189.0	2190.3
37.5°	2333.3	2334.6	2379.1	2449.6	2551.4	2614.5	2530.7	2437.0	2369.2	2322.0	2319.3
40°	2484.2	2488.2	2534.1	2612.5	2726.9	2784.8	2695.0	2603.2	2534.1	2478.2	2472.9
42.5°	2654.4	2655.8	2704.3	2774.8	2871.2	2905.8	2835.3	2760.1	2703.6	2653.1	2647.8
45°	2816.7	2813.3	2855.2	2907.8	2963.6	2966.9	2927.7	2897.1	2847.9	2804.7	2796.7
47.5°	2943.0	2940.3	2978.2	3006.8	3013.5	2980.9	2993.5	2998.2	2941.0	2882.5	2867.2
50°	3020.1	3025.5	3061.4	3077.3	3038.1	2984.9	3032.8	3020.8	2939.0	2862.6	2837.9
52.5°	3066.7	3074.7	3137.2	3177.7	3137.2	3086.6	3093.3	3022.8	2905.1	2804.0	2772.1
55°	2949.0	2980.9	3115.9	3295.4	3361.9	3326.7	3200.3	3018.8	2800.7	2653.8	2626.5
57.5°	2185.6	2236.2	2436.3	2825.3	3229.6	3357.9	2988.9	2530.7	2200.3	2011.4	1995.5
60°	1115.8	1172.3	1332.5	1732.2	2252.1	2433.0	2081.9	1620.4	1288.0	1135.0	1117.8
62.5°	455.5	464.8	517.3	671.6	995.4	1148.3	1008.7	708.2	531.9	490.1	490.7
65°	358.4	360.4	357.7	367.0	416.9	462.8	427.6	375.7	366.4	371.0	367.7
67.5°	312.5	313.2	311.2	311.2	313.2	311.2	315.2	317.2	318.5	323.8	320.5
70°	261.3	262.0	262.0	263.3	262.6	259.3	265.3	268.0	268.6	272.0	270.0
72.5°	202.1	204.1	205.5	206.1	205.5	203.5	206.8	211.4	210.8	214.1	210.8
75°	137.0	139.6	141.0	143.6	143.0	143.0	147.0	148.9	147.0	149.6	147.0
77.5°	77.8	79.8	83.8	86.4	89.1	91.1	93.8	95.1	94.4	95.8	94.4
80°	45.2	45.9	49.2	50.5	53.9	57.2	59.8	61.2	61.8	62.5	61.8
82.5°	25.9	26.6	27.9	29.3	31.9	34.6	37.2	39.2	39.2	39.9	39.2
85°	12.6	12.6	13.3	14.0	15.3	17.3	19.3	21.3	21.9	21.9	21.9
87.5°	2.0	2.0	2.7	2.7	3.3	4.0	5.3	6.6	7.3	7.3	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)