

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: P633011

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6526.9 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

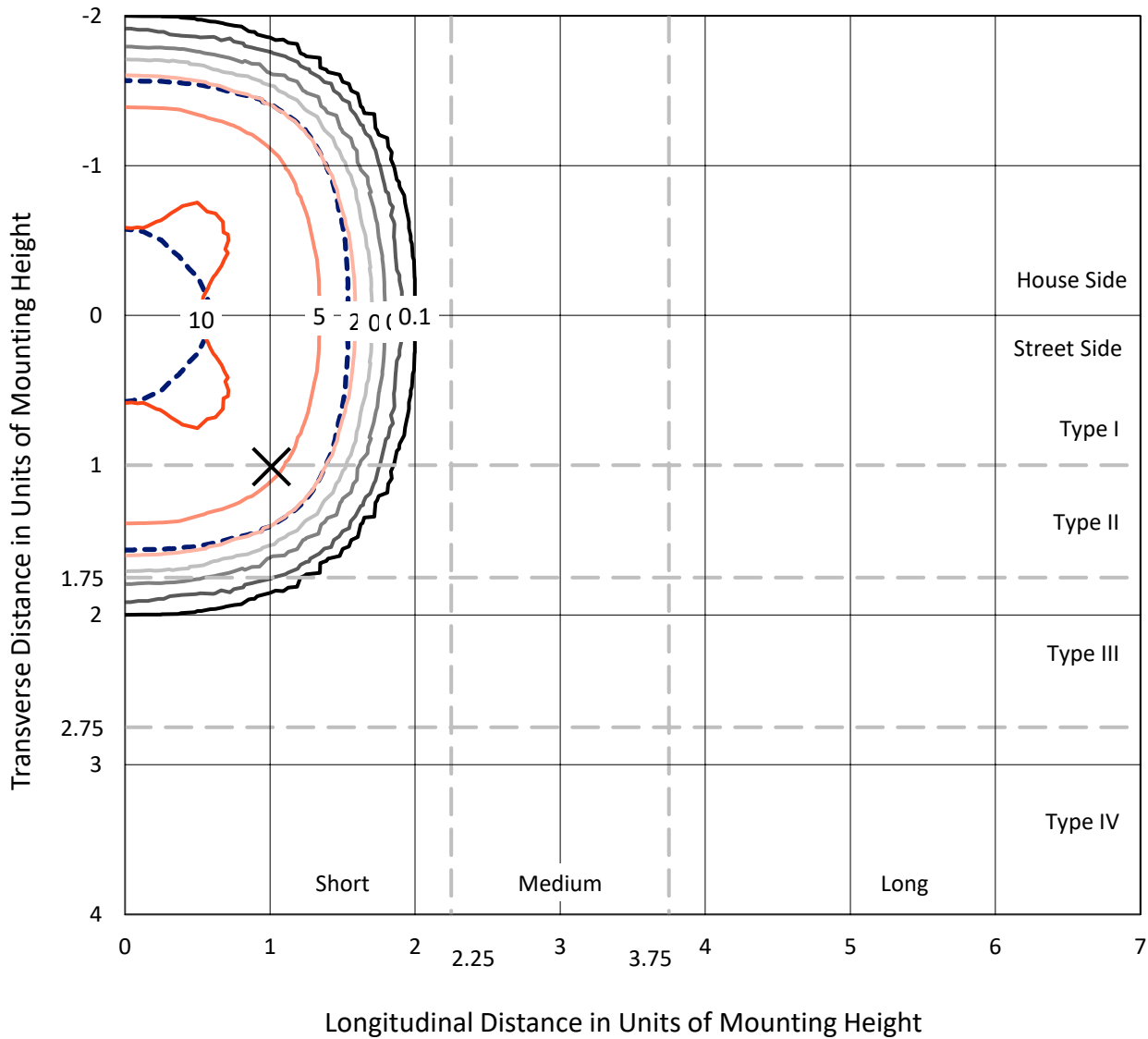
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633011
 CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

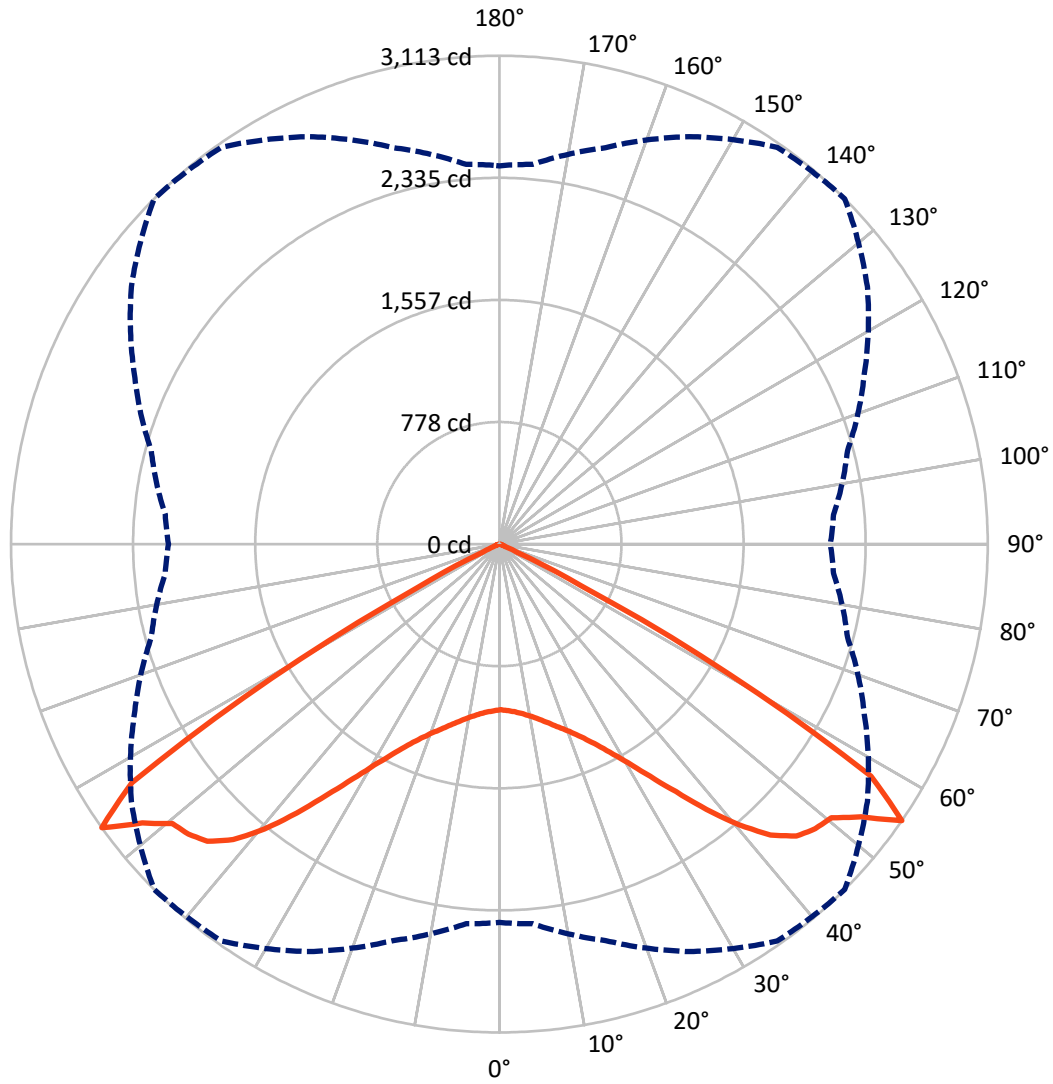
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

REPORT NUMBER: P633011
CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P633011

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

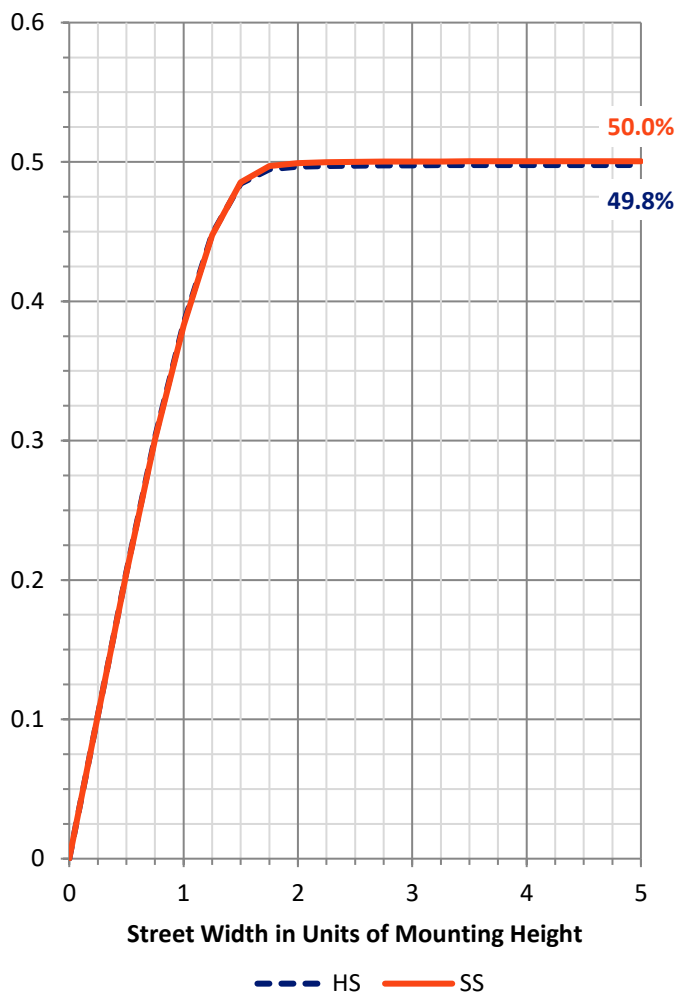
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3263.5	0.0	3263.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3263.5	0.0	3263.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6526.9	0.0	6526.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	1.6
10°-20°	335.1	5.1
20°-30°	649.1	9.9
30°-40°	1162.8	17.8
40°-50°	1949.6	29.9
50°-60°	2086.9	32.0
60°-70°	229.3	3.5
70°-80°	10.1	0.2
80°-90°	0.5	0.0
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°	6526.9	100.0
0°-180°	6526.9	100.0

Coefficient of Utilization



REPORT NUMBER: P633011

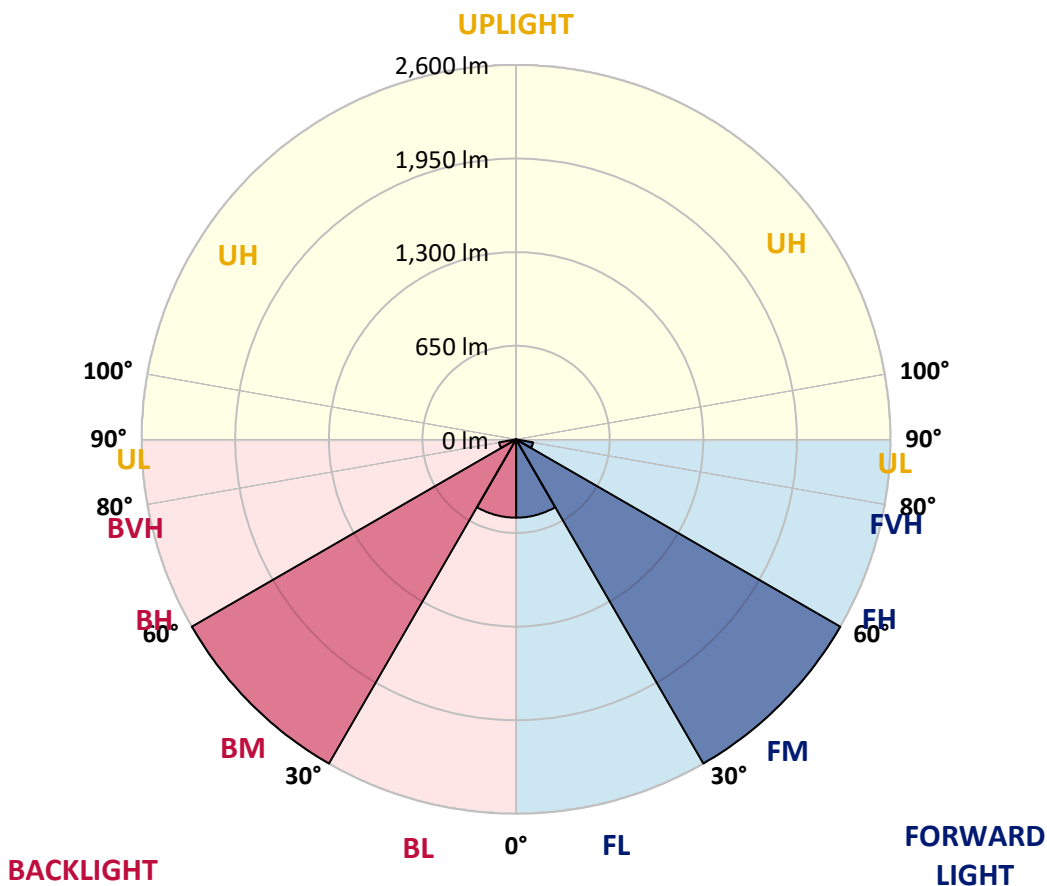
CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.8	8.3			
FM (30°-60°)	2599.7	39.8			
FH (60°-80°)	119.7	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	543.8	8.3	B2/1000		
BM (30°-60°)	2599.7	39.8	B3/5000		
BH (60°-80°)	119.7	1.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P633011

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1055.3	1055.3	1055.3	1055.3	1055.3	1055.3	1055.3	1055.3	1055.3	1055.3	1055.3
2.5°	1053.3	1053.3	1055.9	1057.9	1057.9	1063.3	1061.3	1059.3	1059.3	1056.6	1061.9
5°	1068.6	1067.9	1070.6	1071.9	1069.2	1074.6	1071.2	1069.2	1067.9	1065.2	1070.6
7.5°	1085.2	1085.9	1086.5	1089.2	1087.9	1093.2	1090.5	1086.5	1085.2	1081.2	1086.5
10°	1105.1	1105.1	1106.5	1109.8	1110.5	1117.1	1114.5	1109.8	1105.8	1101.8	1107.1
12.5°	1130.4	1131.1	1133.1	1137.7	1140.4	1147.7	1143.7	1134.4	1128.4	1123.8	1129.7
15°	1167.0	1166.3	1169.0	1175.6	1179.0	1184.3	1178.3	1165.7	1158.3	1153.0	1157.0
17.5°	1206.9	1206.9	1208.2	1214.9	1219.5	1227.5	1220.2	1204.9	1198.2	1190.9	1194.9
20°	1250.8	1252.8	1254.1	1258.7	1266.7	1274.7	1268.7	1253.4	1246.1	1236.8	1241.5
22.5°	1308.6	1306.6	1307.3	1315.3	1326.6	1334.6	1329.9	1311.9	1299.3	1292.0	1294.7
25°	1373.1	1372.5	1374.4	1386.4	1399.1	1407.7	1401.0	1377.8	1365.1	1352.5	1357.8
27.5°	1452.2	1452.9	1454.2	1468.9	1488.8	1501.5	1484.8	1461.6	1444.3	1427.6	1431.6
30°	1546.0	1544.7	1548.7	1568.6	1597.9	1617.8	1598.5	1566.0	1541.4	1525.4	1527.4
32.5°	1645.7	1647.1	1657.7	1689.6	1728.2	1763.4	1724.2	1681.0	1649.1	1619.2	1623.1
35°	1753.5	1756.8	1780.7	1827.9	1891.1	1938.3	1883.8	1812.7	1767.4	1728.9	1730.2
37.5°	1880.5	1888.5	1921.7	1992.2	2082.6	2145.8	2066.0	1971.6	1913.1	1865.2	1861.9
40°	2047.4	2056.7	2101.9	2185.7	2295.4	2353.3	2260.8	2163.7	2091.3	2039.4	2031.4
42.5°	2238.9	2250.9	2300.1	2385.8	2495.6	2534.8	2444.4	2362.6	2297.4	2236.2	2233.6
45°	2455.0	2461.6	2501.5	2567.4	2646.5	2655.8	2588.0	2542.8	2476.9	2419.7	2415.1
47.5°	2657.8	2664.5	2691.7	2725.6	2744.2	2711.0	2699.0	2679.1	2594.0	2523.5	2508.9
50°	2812.1	2817.4	2851.3	2864.6	2812.7	2742.2	2765.5	2723.0	2630.5	2551.4	2528.8
52.5°	2801.4	2814.7	2901.8	2977.6	2945.1	2887.9	2825.4	2733.6	2590.0	2481.6	2453.7
55°	2411.8	2429.7	2616.6	2865.9	3088.7	3113.3	2863.3	2567.4	2297.4	2138.5	2109.9
57.5°	1550.0	1554.7	1782.7	2132.5	2634.5	2792.8	2374.5	1935.7	1599.9	1425.0	1413.0
60°	569.9	560.6	732.8	1022.7	1517.4	1685.0	1397.7	978.8	698.2	574.5	564.5
62.5°	137.0	138.3	171.6	257.3	476.1	589.1	465.5	260.0	165.6	139.0	137.6
65°	69.2	67.8	68.5	73.8	101.7	121.7	99.7	70.5	67.8	68.5	67.8
67.5°	44.6	43.9	45.2	45.9	45.2	42.6	41.9	43.2	43.2	43.9	42.6
70°	27.3	26.6	27.9	29.9	28.6	25.3	26.6	27.9	26.6	25.9	25.9
72.5°	14.6	14.6	16.0	17.3	16.0	14.6	14.6	15.3	14.6	14.6	14.6
75°	6.6	6.6	7.3	8.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6
77.5°	2.0	2.0	2.7	2.7	2.0	2.0	2.0	2.0	2.7	2.7	2.7
80°	0.7	1.3	1.3	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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)