

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: P633013

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
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
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9694.6 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

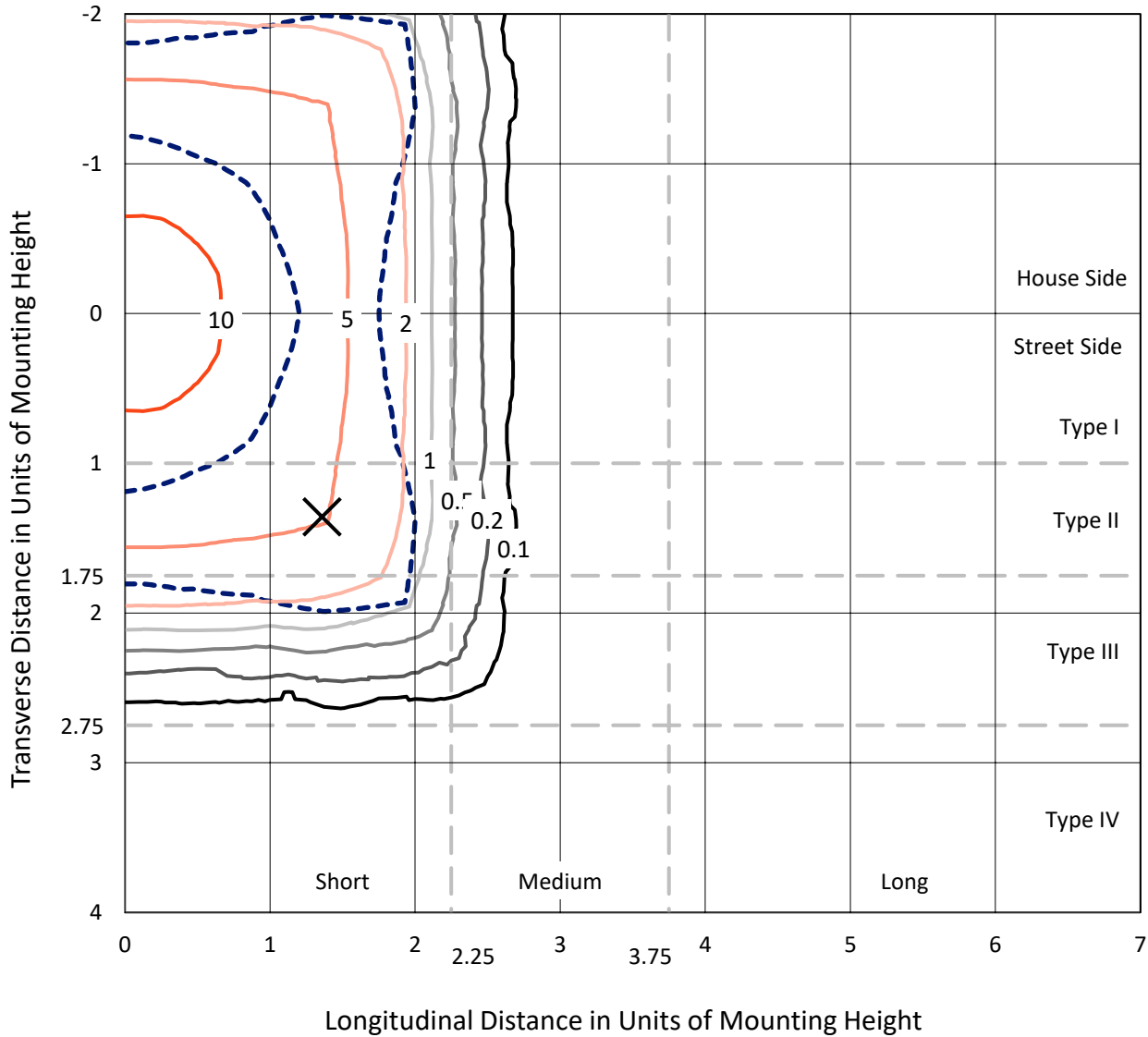
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633013
 CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

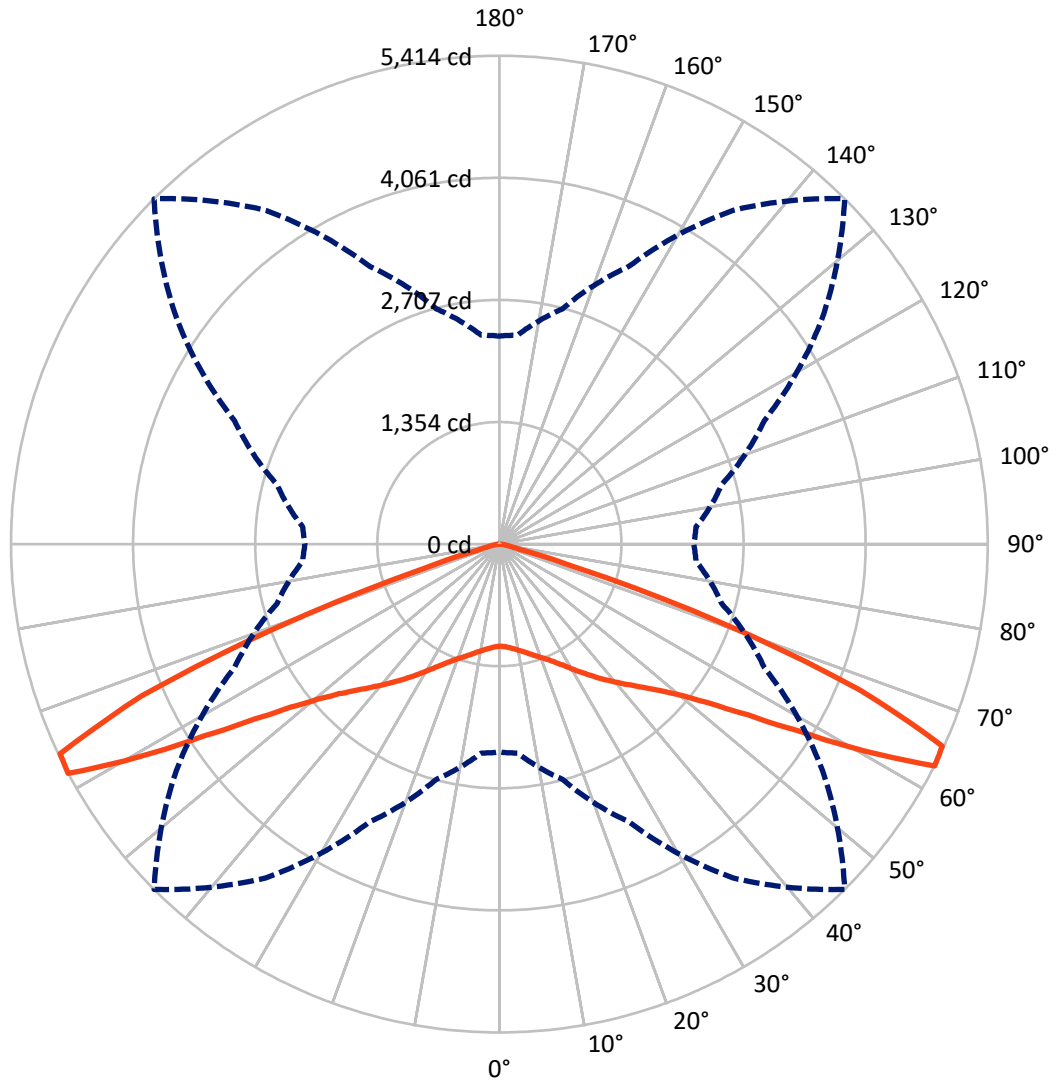
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type V - Short - N/A

REPORT NUMBER: P633013
CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P633013

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4847.3	0.0	4847.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4847.3	0.0	4847.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9694.6	0.0	9694.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.1
10°-20°	357.8	3.7
20°-30°	677.0	7.0
30°-40°	1139.5	11.8
40°-50°	1820.6	18.8
50°-60°	2934.7	30.3
60°-70°	2394.4	24.7
70°-80°	232.5	2.4
80°-90°	27.1	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°	9694.6	100.0
0°-180°	9694.6	100.0

Coefficient of Utilization



REPORT NUMBER: P633013

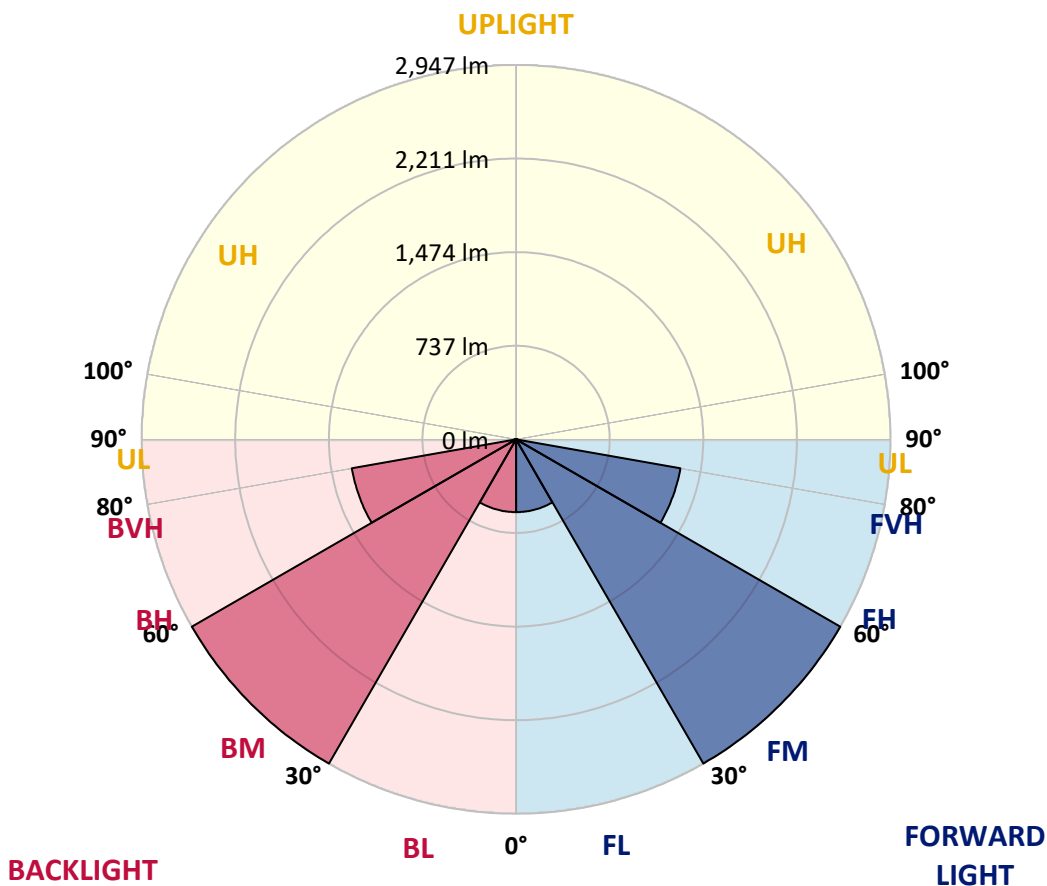
CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.9	5.9			
FM (30°-60°)	2947.4	30.4			
FH (60°-80°)	1313.5	13.5			G1/1800
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	572.9	5.9	B2/1000		
BM (30°-60°)	2947.4	30.4	B3/5000		
BH (60°-80°)	1313.5	13.5	B3/2500		G1/1800
BVH (80°-90°)	13.5	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: P633013
 CATALOG NUMBER: GWS-SA2D-830-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1129.7	1129.7	1132.3	1134.3	1133.0	1138.3	1137.7	1136.3	1135.7	1133.7	1139.6
5°	1145.0	1145.0	1147.0	1149.0	1145.6	1152.3	1149.6	1148.3	1147.6	1145.0	1150.3
7.5°	1162.3	1164.3	1164.9	1168.2	1166.2	1173.6	1171.6	1168.9	1167.6	1164.3	1168.9
10°	1181.5	1182.9	1183.5	1189.5	1190.2	1198.8	1196.8	1193.5	1190.8	1187.5	1194.2
12.5°	1207.5	1208.1	1210.1	1217.4	1219.4	1226.1	1225.4	1220.8	1217.4	1212.8	1220.1
15°	1240.7	1241.4	1244.7	1252.0	1255.3	1263.3	1260.7	1253.3	1248.7	1243.4	1249.4
17.5°	1275.3	1278.0	1281.3	1288.6	1293.2	1302.6	1299.2	1291.2	1287.3	1281.9	1285.9
20°	1319.8	1320.5	1322.5	1330.5	1333.8	1344.4	1345.1	1337.1	1335.1	1329.8	1335.8
22.5°	1369.0	1369.7	1371.7	1380.3	1386.3	1393.0	1397.0	1392.3	1389.0	1382.3	1389.7
25°	1423.6	1430.2	1432.2	1442.8	1449.5	1453.5	1458.1	1456.1	1451.5	1443.5	1446.8
27.5°	1500.0	1501.4	1504.7	1516.7	1520.6	1524.6	1529.3	1529.9	1523.3	1514.0	1518.6
30°	1587.1	1586.5	1593.8	1603.1	1606.4	1609.7	1616.4	1620.4	1611.7	1601.8	1606.4
32.5°	1676.2	1684.2	1693.5	1702.2	1700.2	1701.5	1712.1	1719.4	1707.5	1689.5	1693.5
35°	1776.6	1781.9	1793.9	1806.6	1803.9	1801.9	1808.5	1815.9	1799.2	1776.0	1781.9
37.5°	1879.7	1887.7	1905.6	1920.9	1916.9	1907.6	1914.9	1922.9	1907.0	1880.4	1877.7
40°	1994.7	2007.4	2033.3	2045.9	2035.3	2017.3	2030.0	2049.2	2033.3	2002.7	1995.4
42.5°	2129.7	2145.0	2170.9	2190.2	2166.9	2137.7	2159.0	2186.9	2182.9	2142.3	2129.7
45°	2296.6	2306.6	2338.5	2347.8	2313.2	2272.7	2311.2	2353.8	2343.8	2299.9	2283.3
47.5°	2478.1	2493.4	2521.3	2538.6	2482.8	2432.2	2486.1	2543.3	2532.6	2491.4	2472.1
50°	2709.5	2729.4	2766.0	2780.6	2703.5	2645.7	2714.8	2787.3	2766.7	2711.5	2686.2
52.5°	2961.5	2977.5	3040.0	3069.2	2996.7	2934.2	2994.7	3065.9	3022.0	2948.9	2914.9
55°	3183.6	3199.5	3291.3	3388.4	3385.0	3341.8	3372.4	3373.7	3254.7	3133.7	3097.8
57.5°	3231.4	3247.4	3422.3	3676.3	3855.8	3905.7	3815.9	3627.1	3327.2	3115.1	3074.5
60°	2976.1	2994.1	3272.0	3736.1	4326.5	4659.7	4246.1	3621.7	3103.1	2815.9	2777.3
62.5°	2305.9	2325.2	2698.9	3395.7	4516.7	5414.3	4371.1	3240.8	2552.6	2188.9	2155.0
65°	1101.1	1101.1	1575.8	2435.6	4137.7	5396.4	4009.4	2397.7	1536.6	1180.2	1151.0
67.5°	272.6	273.9	405.6	948.2	2814.5	4306.6	2860.4	1151.0	541.2	383.0	373.0
70°	170.2	169.6	188.2	256.7	984.7	2613.7	1169.6	347.1	220.1	194.2	192.8
72.5°	132.3	132.3	141.6	164.2	258.0	890.3	341.1	192.8	159.6	143.6	143.6
75°	104.4	104.4	111.0	123.0	152.3	229.4	181.5	143.0	123.7	113.0	111.7
77.5°	77.8	79.1	84.4	92.4	103.7	129.0	115.0	107.7	96.4	88.4	85.8
80°	50.5	52.5	59.2	63.8	67.8	85.1	75.1	78.5	73.1	63.8	62.5
82.5°	27.3	27.9	35.9	37.2	38.6	46.5	47.9	49.9	51.9	40.6	37.9
85°	10.0	10.0	12.0	14.0	15.3	16.6	22.6	27.9	29.3	23.3	22.6
87.5°	2.0	2.0	2.0	1.3	1.3	1.3	4.0	7.3	12.0	9.3	9.3
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)