

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: P631528

Luminaire Tested: GWS-SA1F-830-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631528
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-SA1F-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6995.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

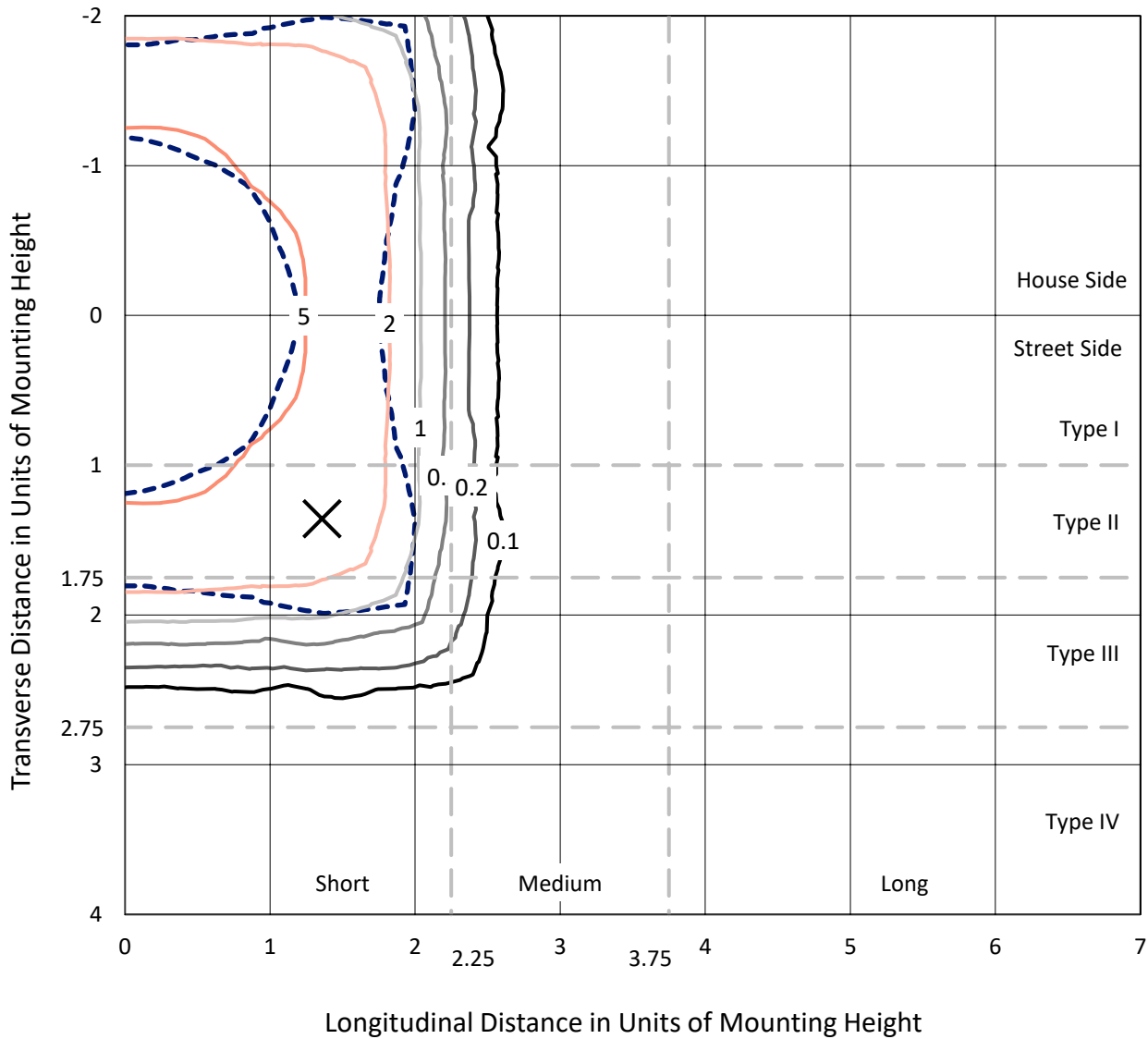
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631528
 CATALOG NUMBER: GWS-SA1F-830-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

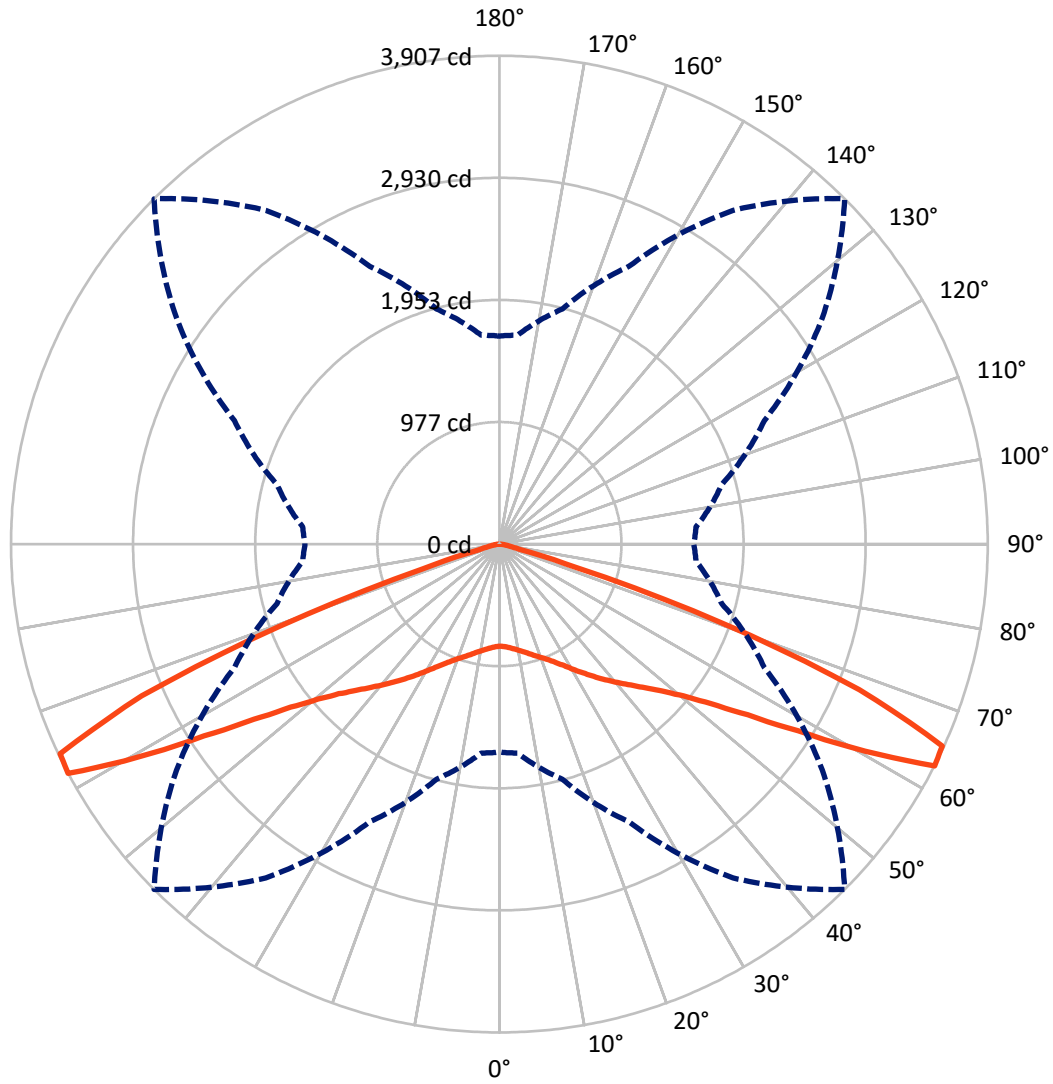
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

REPORT NUMBER: P631528
CATALOG NUMBER: GWS-SA1F-830-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631528

CATALOG NUMBER: GWS-SA1F-830-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3497.5	0.0	3497.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3497.5	0.0	3497.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6995.1	0.0	6995.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	1.1
10°-20°	258.2	3.7
20°-30°	488.5	7.0
30°-40°	822.2	11.8
40°-50°	1313.6	18.8
50°-60°	2117.5	30.3
60°-70°	1727.7	24.7
70°-80°	167.8	2.4
80°-90°	19.5	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°	6995.1	100.0
0°-180°	6995.1	100.0

Coefficient of Utilization



REPORT NUMBER: P631528

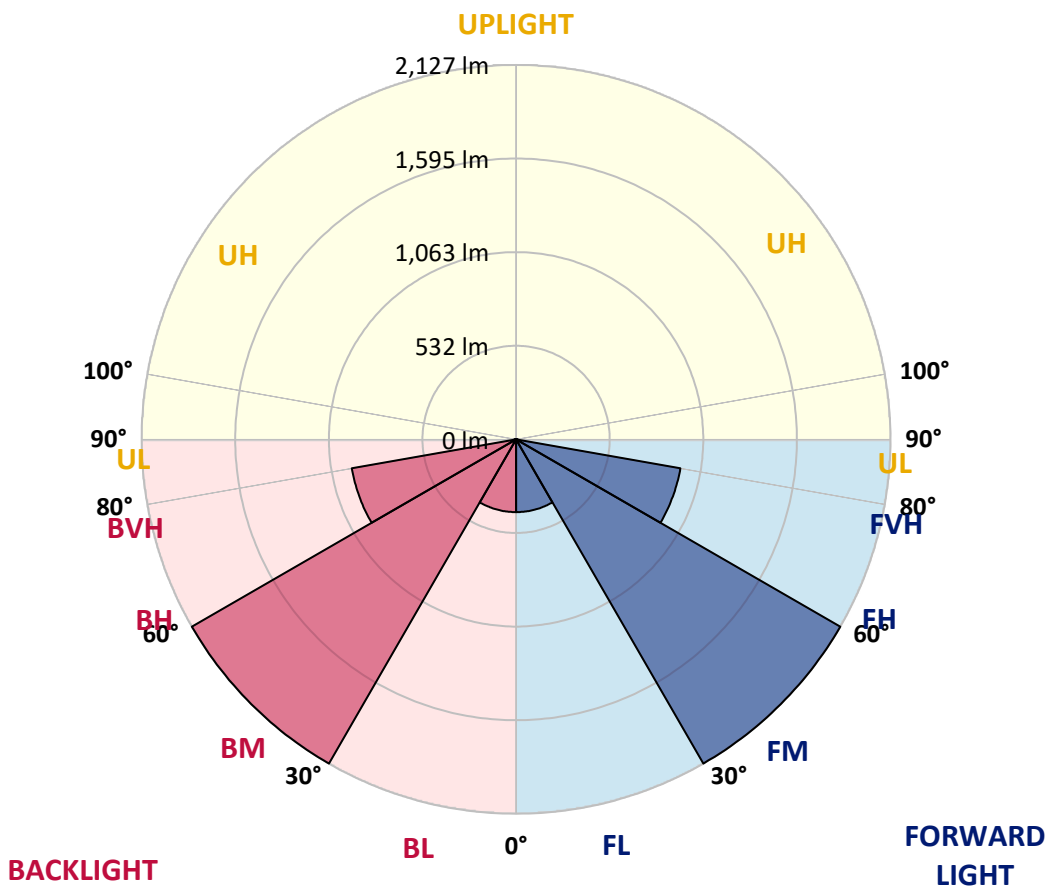
CATALOG NUMBER: GWS-SA1F-830-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.4	5.9			
FM (30°-60°)	2126.7	30.4			
FH (60°-80°)	947.7	13.5			G1/1800
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	413.4	5.9	B1/500		
BM (30°-60°)	2126.7	30.4	B2/2500		
BH (60°-80°)	947.7	13.5	B2/1000		G1/1800
BVH (80°-90°)	9.8	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-G1

Type V Short





REPORT NUMBER: P631528
 CATALOG NUMBER: GWS-SA1F-830-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1	816.1
2.5°	815.1	815.1	817.0	818.5	817.5	821.4	820.9	819.9	819.4	818.0	822.3
5°	826.1	826.1	827.6	829.0	826.6	831.4	829.5	828.5	828.1	826.1	830.0
7.5°	838.6	840.1	840.5	842.9	841.5	846.8	845.3	843.4	842.5	840.1	843.4
10°	852.5	853.5	854.0	858.3	858.8	865.0	863.6	861.2	859.3	856.9	861.6
12.5°	871.2	871.7	873.2	878.4	879.9	884.7	884.2	880.8	878.4	875.1	880.4
15°	895.2	895.7	898.1	903.4	905.8	911.5	909.6	904.3	901.0	897.2	901.5
17.5°	920.2	922.1	924.5	929.8	933.1	939.9	937.5	931.7	928.8	925.0	927.9
20°	952.3	952.8	954.2	960.0	962.4	970.1	970.6	964.8	963.4	959.5	963.8
22.5°	987.8	988.3	989.7	996.0	1000.3	1005.1	1008.0	1004.6	1002.2	997.4	1002.7
25°	1027.2	1032.0	1033.4	1041.1	1045.9	1048.8	1052.1	1050.7	1047.3	1041.6	1044.0
27.5°	1082.3	1083.3	1085.7	1094.3	1097.2	1100.1	1103.4	1103.9	1099.1	1092.4	1095.8
30°	1145.2	1144.7	1150.0	1156.7	1159.1	1161.5	1166.3	1169.2	1162.9	1155.7	1159.1
32.5°	1209.5	1215.2	1222.0	1228.2	1226.7	1227.7	1235.4	1240.7	1232.0	1219.1	1222.0
35°	1281.9	1285.8	1294.4	1303.5	1301.6	1300.2	1304.9	1310.2	1298.2	1281.4	1285.8
37.5°	1356.3	1362.0	1375.0	1386.0	1383.1	1376.4	1381.7	1387.5	1376.0	1356.8	1354.8
40°	1439.3	1448.4	1467.1	1476.2	1468.5	1455.6	1464.7	1478.6	1467.1	1445.0	1439.8
42.5°	1536.7	1547.7	1566.4	1580.3	1563.5	1542.4	1557.8	1577.9	1575.1	1545.8	1536.7
45°	1657.1	1664.3	1687.3	1694.0	1669.1	1639.8	1667.6	1698.4	1691.2	1659.5	1647.5
47.5°	1788.1	1799.1	1819.3	1831.7	1791.4	1755.0	1793.8	1835.1	1827.4	1797.7	1783.7
50°	1955.0	1969.4	1995.8	2006.4	1950.7	1909.0	1958.9	2011.2	1996.3	1956.5	1938.2
52.5°	2136.9	2148.4	2193.5	2214.6	2162.3	2117.2	2160.8	2212.2	2180.5	2127.7	2103.3
55°	2297.1	2308.6	2374.8	2444.9	2442.5	2411.3	2433.3	2434.3	2348.4	2261.1	2235.2
57.5°	2331.6	2343.2	2469.3	2652.6	2782.1	2818.1	2753.3	2617.1	2400.7	2247.7	2218.4
60°	2147.4	2160.4	2360.9	2695.8	3121.8	3362.2	3063.8	2613.3	2239.0	2031.8	2004.0
62.5°	1663.8	1677.7	1947.3	2450.1	3259.0	3906.7	3153.9	2338.4	1841.8	1579.4	1554.9
65°	794.5	794.5	1137.0	1757.4	2985.6	3893.7	2893.0	1730.0	1108.7	851.6	830.5
67.5°	196.7	197.7	292.7	684.1	2030.8	3107.4	2063.9	830.5	390.5	276.3	269.1
70°	122.8	122.3	135.8	185.2	710.5	1885.9	843.9	250.4	158.8	140.1	139.1
72.5°	95.5	95.5	102.2	118.5	186.1	642.4	246.1	139.1	115.1	103.6	103.6
75°	75.3	75.3	80.1	88.8	109.9	165.5	131.0	103.1	89.2	81.6	80.6
77.5°	56.1	57.1	60.9	66.7	74.8	93.1	83.0	77.7	69.6	63.8	61.9
80°	36.5	37.9	42.7	46.1	48.9	61.4	54.2	56.6	52.8	46.1	45.1
82.5°	19.7	20.1	25.9	26.9	27.8	33.6	34.5	36.0	37.4	29.3	27.3
85°	7.2	7.2	8.6	10.1	11.0	12.0	16.3	20.1	21.1	16.8	16.3
87.5°	1.4	1.4	1.4	1.0	1.0	1.0	2.9	5.3	8.6	6.7	6.7
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)