

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: P632515

Luminaire Tested: GWS-SA2C-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7614 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

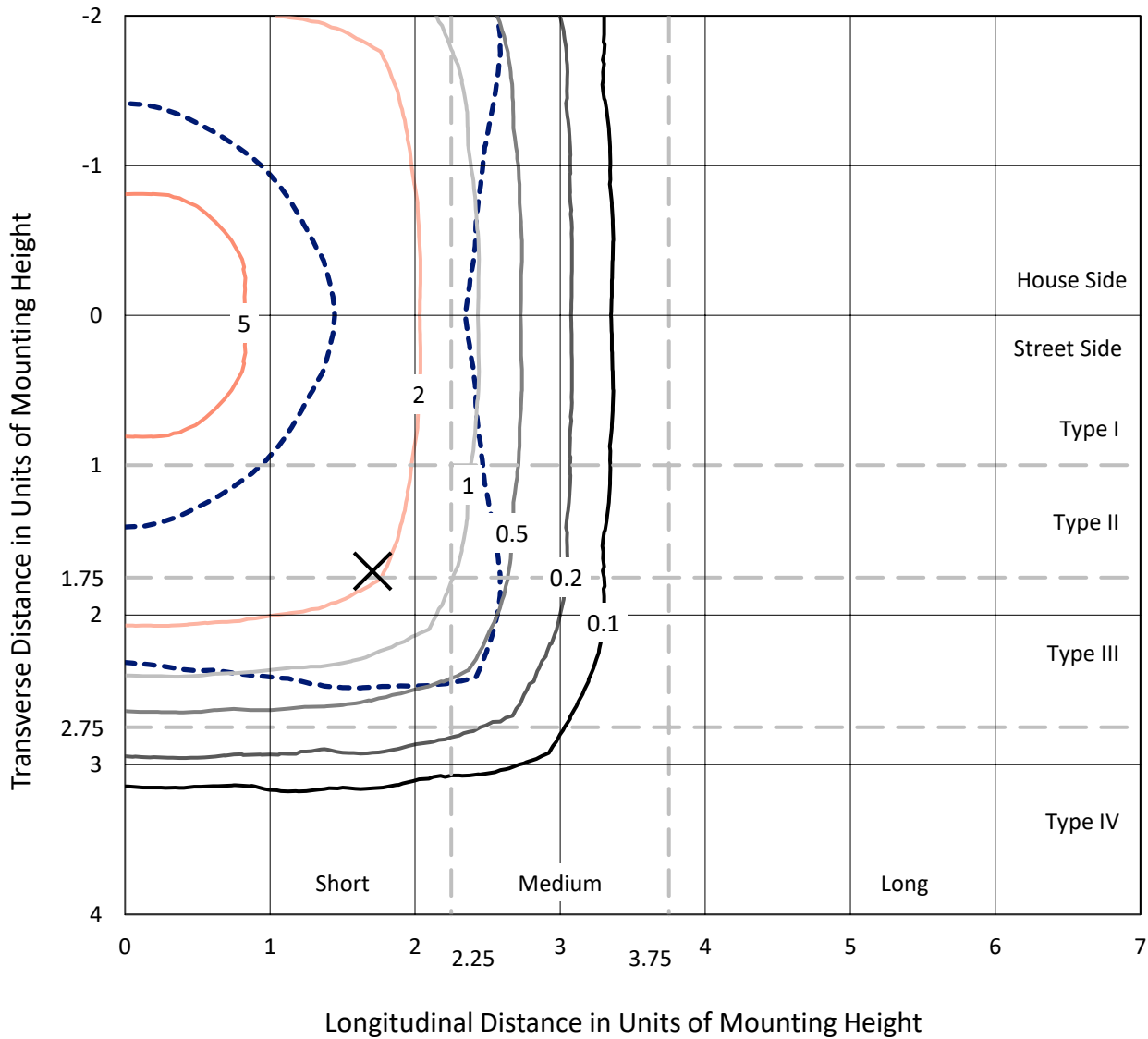
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632515
 CATALOG NUMBER: GWS-SA2C-830-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

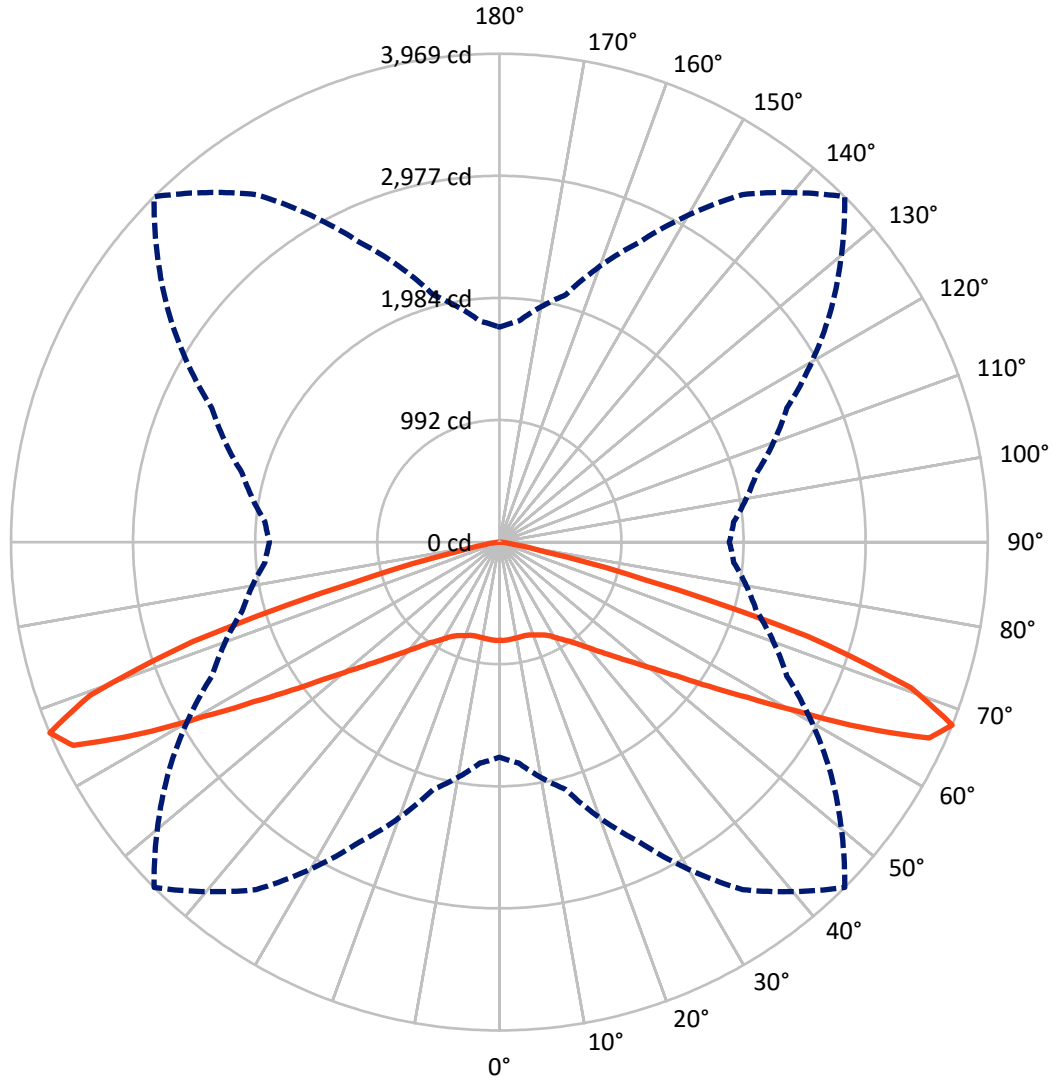
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

REPORT NUMBER: P632515
CATALOG NUMBER: GWS-SA2C-830-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632515

CATALOG NUMBER: GWS-SA2C-830-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3807.0	0.0	3807.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3807.0	0.0	3807.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7614.0	0.0	7614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	1.0
10°-20°	221.7	2.9
20°-30°	382.3	5.0
30°-40°	621.7	8.2
40°-50°	1046.8	13.7
50°-60°	1854.7	24.4
60°-70°	2651.1	34.8
70°-80°	727.6	9.6
80°-90°	32.6	0.4
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°	7614.0	100.0
0°-180°	7614.0	100.0

Coefficient of Utilization



REPORT NUMBER: P632515

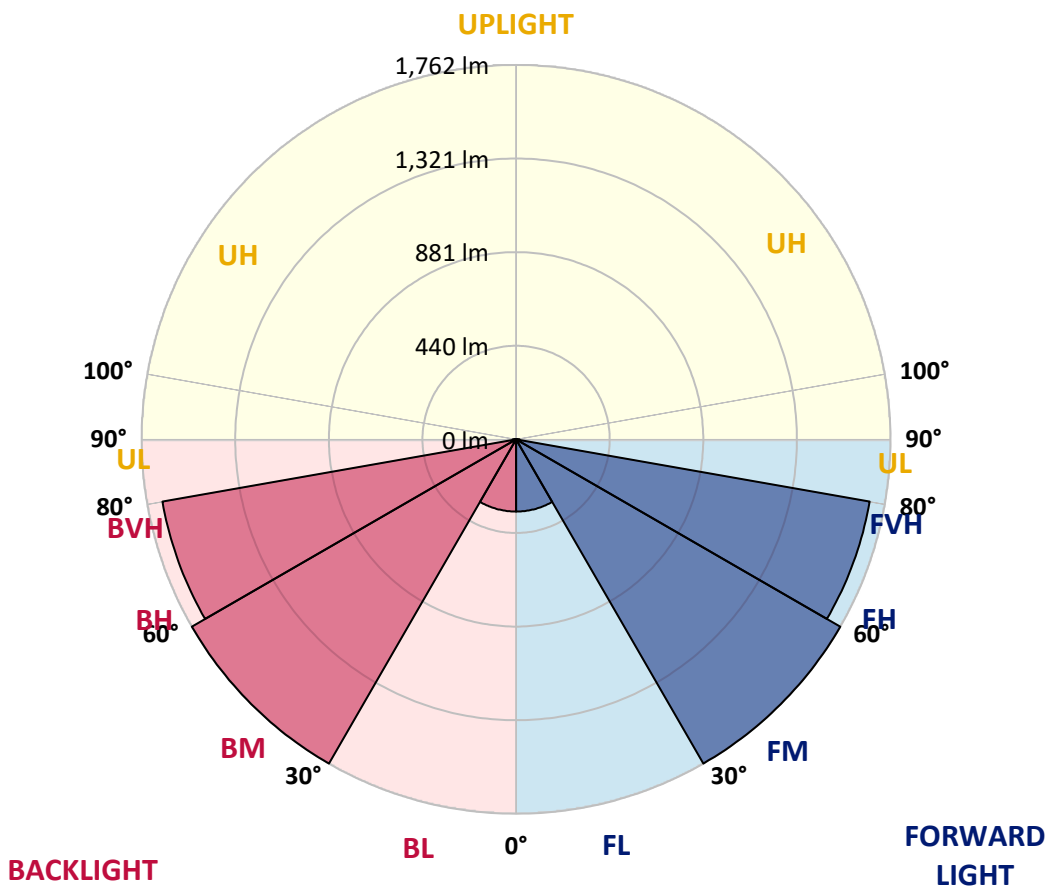
CATALOG NUMBER: GWS-SA2C-830-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.7	4.5			
FM (30°-60°)	1761.6	23.1			
FH (60°-80°)	1689.4	22.2			G1/1800
FVH (80°-90°)	16.3	0.2			G1/100
BL (0°-30°)	339.7	4.5	B1/500		
BM (30°-60°)	1761.6	23.1	B2/2500		
BH (60°-80°)	1689.4	22.2	B3/2500		G1/1800
BVH (80°-90°)	16.3	0.2			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: P632515
 CATALOG NUMBER: GWS-SA2C-830-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4
2.5°	792.2	791.6	794.3	795.9	795.3	799.0	798.5	797.4	797.4	795.9	800.1
5°	792.2	791.6	793.7	794.3	793.2	796.4	795.3	794.3	794.3	792.2	795.9
7.5°	787.9	788.5	790.1	791.1	790.1	792.7	791.1	789.0	788.5	786.4	790.1
10°	780.0	780.6	782.1	784.8	785.3	790.1	787.4	783.7	782.1	780.0	783.7
12.5°	775.3	775.8	777.4	780.6	781.6	787.9	785.3	779.5	776.9	774.8	778.5
15°	774.2	774.8	776.9	780.0	781.6	787.9	785.3	778.5	774.8	772.1	775.3
17.5°	774.2	775.3	778.5	783.2	786.4	792.7	789.5	781.6	776.4	771.6	774.8
20°	774.8	776.4	781.1	787.9	795.9	804.8	800.6	790.1	782.7	776.9	779.0
22.5°	779.5	782.1	787.9	796.9	808.5	819.0	815.4	801.1	790.6	782.7	784.8
25°	795.9	796.9	804.3	815.9	826.9	835.9	832.2	819.0	805.9	796.4	799.0
27.5°	824.8	827.5	833.8	845.9	855.4	860.2	859.6	850.7	837.5	829.1	831.2
30°	859.6	862.3	870.7	884.4	893.9	899.2	897.6	890.7	878.6	867.0	869.1
32.5°	900.2	901.3	911.3	926.6	936.6	944.5	939.2	931.8	916.5	902.8	903.9
35°	951.9	953.4	964.0	978.2	986.1	992.4	991.4	984.0	967.7	952.9	956.6
37.5°	1016.7	1017.7	1027.2	1045.1	1051.5	1056.2	1057.3	1053.6	1036.7	1017.7	1021.4
40°	1097.3	1097.9	1108.4	1124.2	1131.1	1134.2	1134.7	1135.3	1117.9	1103.7	1102.6
42.5°	1191.1	1193.8	1208.5	1223.8	1227.0	1225.4	1230.7	1235.9	1219.1	1199.6	1201.2
45°	1303.4	1305.0	1325.0	1341.9	1336.1	1330.8	1340.8	1351.4	1336.1	1310.8	1303.4
47.5°	1436.2	1439.4	1461.0	1477.9	1468.4	1458.9	1475.2	1486.3	1461.5	1434.6	1427.8
50°	1586.4	1588.5	1619.1	1640.2	1629.1	1611.7	1632.3	1643.9	1610.7	1577.5	1562.7
52.5°	1764.0	1759.8	1800.4	1837.3	1830.5	1807.8	1824.7	1826.8	1777.2	1730.3	1715.6
55°	1980.7	1976.5	2017.0	2057.6	2074.5	2068.7	2060.8	2048.1	1974.9	1924.8	1911.1
57.5°	2233.1	2220.0	2276.9	2331.7	2368.6	2379.1	2345.4	2315.9	2257.9	2196.2	2180.4
60°	2467.7	2467.1	2557.3	2652.1	2753.3	2795.5	2710.1	2630.0	2499.8	2387.6	2364.9
62.5°	2533.5	2544.6	2692.2	2927.3	3177.1	3326.2	3101.2	2836.1	2584.7	2415.5	2385.4
65°	2371.2	2398.6	2608.4	2979.4	3472.8	3837.5	3329.4	2840.8	2490.3	2279.5	2247.9
67.5°	1747.7	1802.5	2080.3	2688.5	3447.5	3968.7	3288.8	2577.8	2163.0	1912.2	1868.4
70°	862.3	914.4	1134.7	1768.8	2836.6	3547.6	2845.6	1942.7	1461.0	1219.6	1179.5
72.5°	317.3	338.4	424.8	756.8	1565.3	2620.5	1945.9	1085.2	707.8	563.4	536.5
75°	155.5	159.2	172.3	254.0	577.7	1233.3	914.4	416.4	260.4	226.6	219.3
77.5°	99.1	100.7	107.0	121.2	185.5	388.4	277.2	164.4	127.5	122.3	122.3
80°	55.3	56.9	65.4	75.4	87.0	133.3	99.6	98.6	83.8	73.3	71.7
82.5°	26.4	29.0	41.6	41.1	45.9	66.9	58.5	53.2	53.8	40.6	38.5
85°	12.1	12.1	16.3	19.5	20.6	22.7	26.9	30.6	30.0	20.6	22.1
87.5°	5.8	5.8	5.8	5.3	4.7	4.2	5.8	9.5	13.7	9.5	9.0
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)