

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: P633503

Luminaire Tested: GWS-SA2E-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 7082 lumens
Efficiency: N/A
Efficacy: 65.5 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): 108.2
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

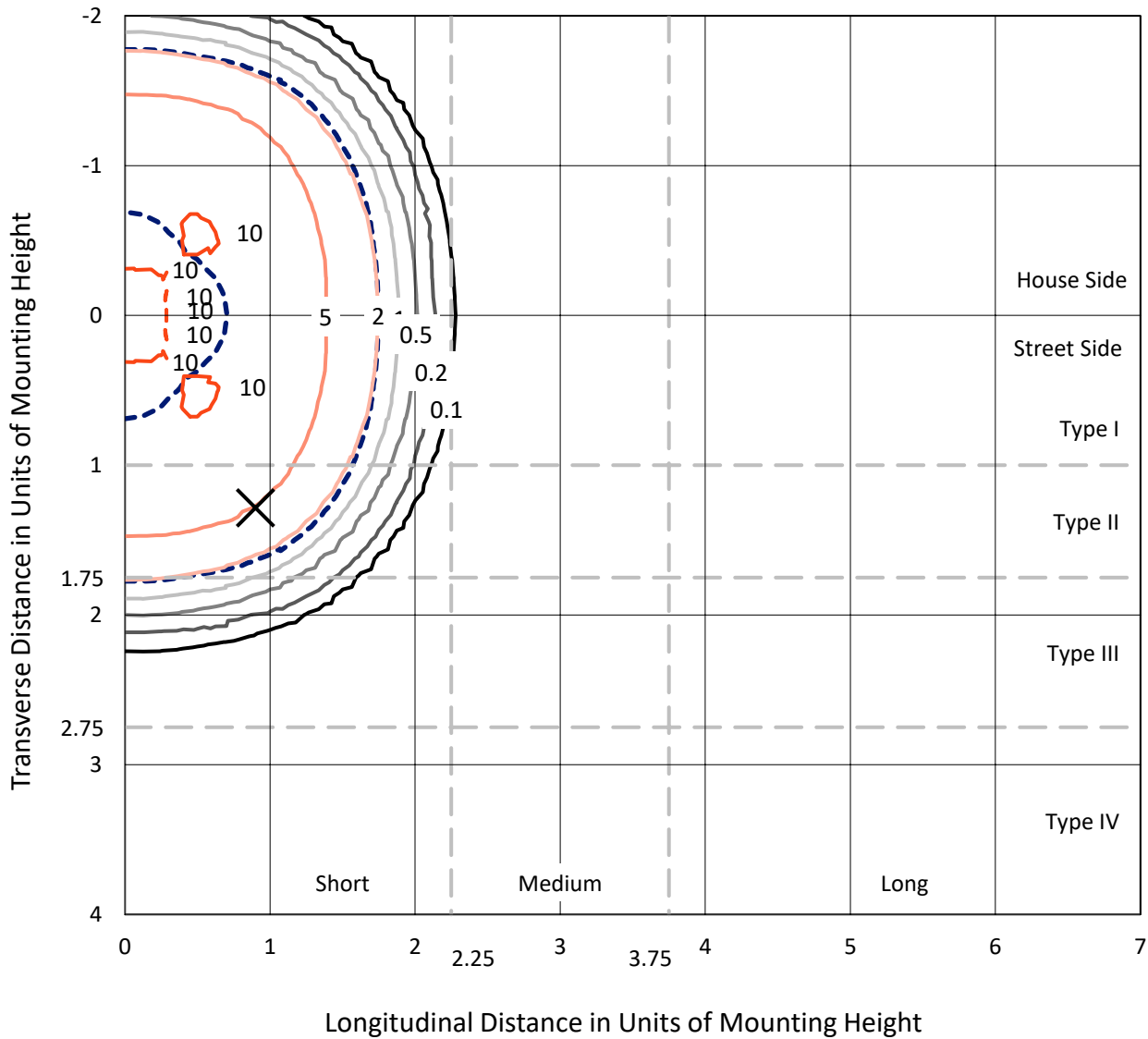


REPORT NUMBER: P633503

CATALOG NUMBER: GWS-SA2E-830-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

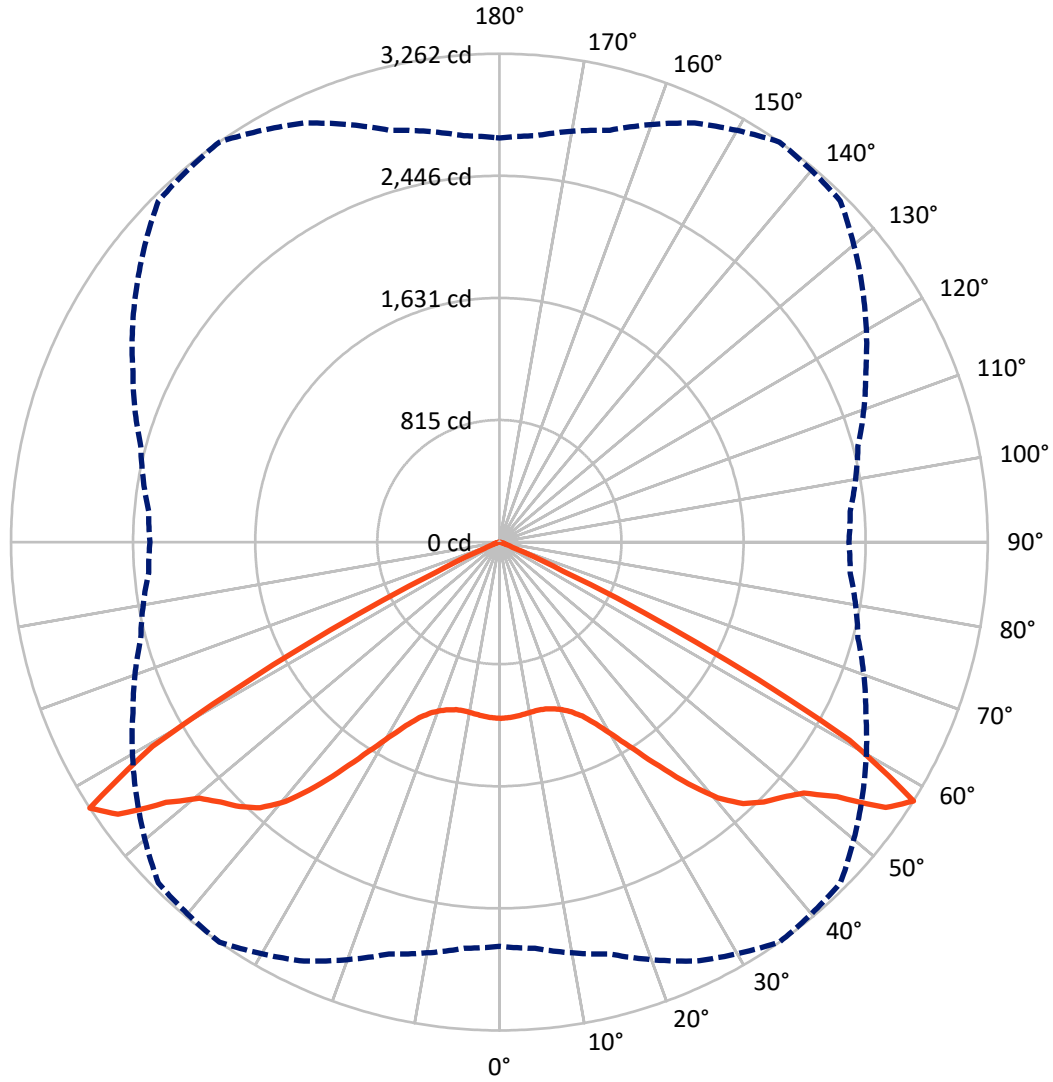
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type V - Short - N/A

REPORT NUMBER: P633503
CATALOG NUMBER: GWS-SA2E-830-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633503

CATALOG NUMBER: GWS-SA2E-830-U-5MQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3541.0	0.0	3541.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3541.0	0.0	3541.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7082.0	0.0	7082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	1.6
10°-20°	326.3	4.6
20°-30°	589.8	8.3
30°-40°	1100.4	15.5
40°-50°	1845.9	26.1
50°-60°	2437.7	34.4
60°-70°	647.4	9.1
70°-80°	23.0	0.3
80°-90°	0.4	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°	7082.0	100.0
0°-180°	7082.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633503

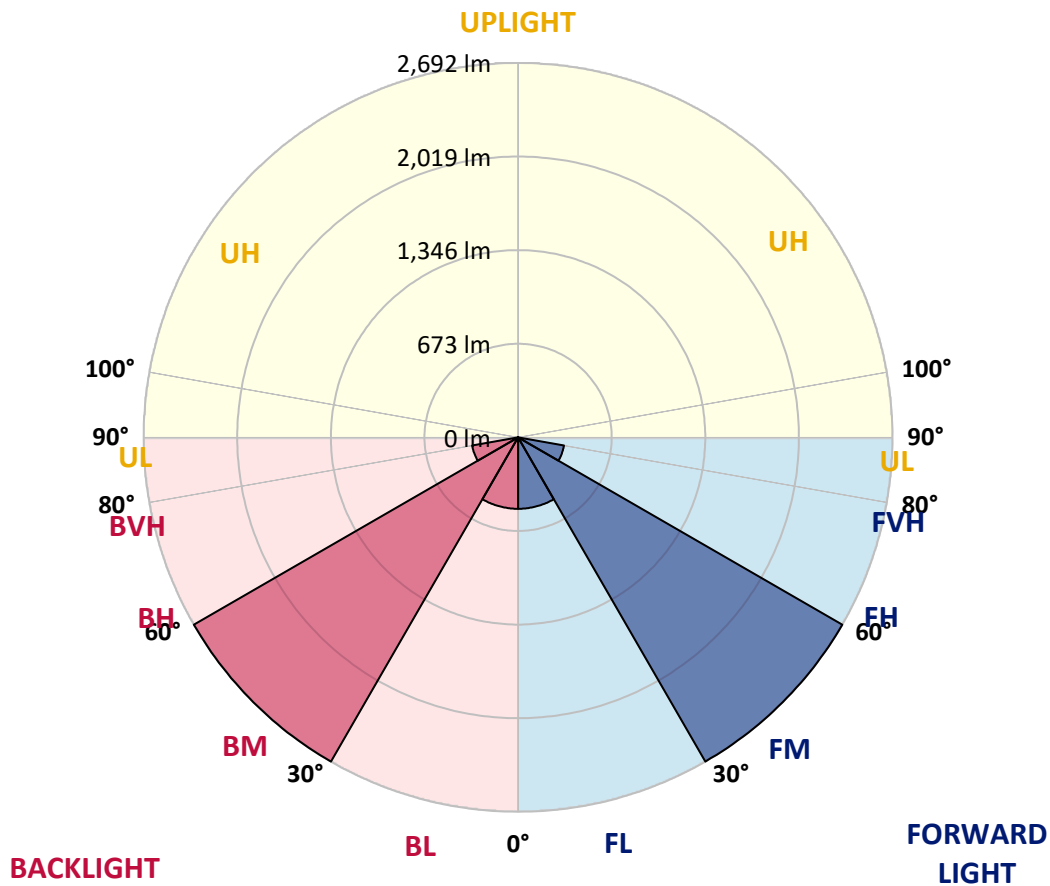
CATALOG NUMBER: GWS-SA2E-830-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.5	7.3			
FM (30°-60°)	2692.0	38.0			
FH (60°-80°)	335.2	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	513.5	7.3	B2/1000		
BM (30°-60°)	2692.0	38.0	B3/5000		
BH (60°-80°)	335.2	4.7	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: P633503

CATALOG NUMBER: GWS-SA2E-830-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4	1177.4
2.5°	1169.1	1168.3	1171.6	1174.1	1174.1	1179.9	1178.3	1176.6	1175.0	1172.5	1178.3
5°	1167.5	1166.6	1169.1	1170.8	1169.1	1174.1	1170.8	1167.5	1165.8	1162.5	1169.1
7.5°	1160.0	1160.8	1162.5	1164.2	1161.7	1165.8	1161.7	1156.7	1152.5	1149.2	1155.0
10°	1148.4	1149.2	1150.9	1154.2	1155.0	1160.8	1155.0	1145.9	1140.1	1135.1	1140.9
12.5°	1142.5	1143.4	1145.9	1150.0	1150.9	1158.3	1150.9	1137.6	1129.3	1123.4	1129.3
15°	1144.2	1145.9	1149.2	1154.2	1155.8	1163.3	1153.3	1135.9	1124.3	1116.8	1121.8
17.5°	1150.0	1151.7	1156.7	1165.0	1170.8	1178.3	1165.8	1143.4	1127.6	1116.8	1121.8
20°	1157.5	1160.0	1168.3	1181.6	1194.1	1207.4	1191.6	1160.8	1140.1	1126.8	1130.9
22.5°	1178.3	1180.8	1192.4	1209.9	1230.6	1247.2	1228.1	1189.1	1160.8	1143.4	1147.5
25°	1220.7	1223.1	1238.1	1260.5	1287.1	1308.7	1284.6	1235.6	1199.1	1179.1	1180.8
27.5°	1287.1	1289.6	1307.1	1338.6	1374.4	1405.1	1370.2	1312.9	1271.3	1248.1	1248.1
30°	1371.1	1374.4	1397.6	1440.0	1495.7	1536.4	1489.0	1419.3	1366.1	1334.5	1335.3
32.5°	1479.1	1475.8	1509.0	1567.2	1646.1	1700.1	1630.3	1545.6	1479.9	1435.9	1440.0
35°	1617.8	1617.0	1654.4	1733.3	1836.4	1901.2	1818.1	1708.4	1629.5	1584.6	1585.4
37.5°	1796.5	1795.7	1838.9	1924.5	2048.3	2102.3	2009.2	1897.9	1813.1	1769.9	1774.9
40°	2005.9	2000.9	2039.1	2121.4	2245.2	2280.1	2178.7	2089.0	2007.6	1980.1	1993.4
42.5°	2205.3	2194.5	2217.0	2291.7	2387.3	2392.3	2315.8	2254.3	2198.7	2177.1	2185.4
45°	2365.7	2357.4	2378.2	2421.4	2476.2	2451.3	2414.7	2395.6	2350.7	2327.5	2334.9
47.5°	2485.4	2485.4	2510.3	2536.9	2545.2	2499.5	2505.3	2505.3	2460.4	2423.9	2414.7
50°	2588.4	2595.9	2633.3	2660.7	2633.3	2575.1	2608.3	2601.7	2510.3	2437.2	2418.0
52.5°	2752.9	2760.4	2817.7	2855.1	2824.4	2767.0	2771.2	2688.1	2553.5	2467.1	2437.2
55°	2927.4	2945.7	3028.8	3128.5	3129.3	3070.3	2960.6	2813.6	2649.9	2556.0	2525.2
57.5°	2698.9	2723.8	2847.6	3087.8	3261.5	3220.7	2959.0	2700.6	2479.5	2351.6	2334.1
60°	1857.2	1900.4	2024.2	2352.4	2687.3	2703.1	2393.9	2103.9	1850.5	1692.6	1696.0
62.5°	784.4	828.5	898.2	1168.3	1475.8	1494.9	1345.3	1137.6	930.7	816.8	834.3
65°	184.5	196.9	217.7	323.2	468.7	490.3	452.0	352.3	260.1	220.2	224.4
67.5°	80.6	82.3	78.1	83.1	103.0	105.5	102.2	89.7	84.8	86.4	86.4
70°	56.5	57.3	54.0	51.5	49.0	45.7	47.4	52.3	56.5	59.8	59.0
72.5°	34.9	35.7	36.6	36.6	34.1	30.7	32.4	35.7	36.6	37.4	36.6
75°	17.4	18.3	19.9	20.8	19.9	19.1	19.1	19.9	19.9	19.1	19.1
77.5°	3.3	4.2	5.8	6.6	6.6	6.6	6.6	6.6	7.5	6.6	6.6
80°	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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)