

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: P637469

Luminaire Tested: GWS-SA4C-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8115.1 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

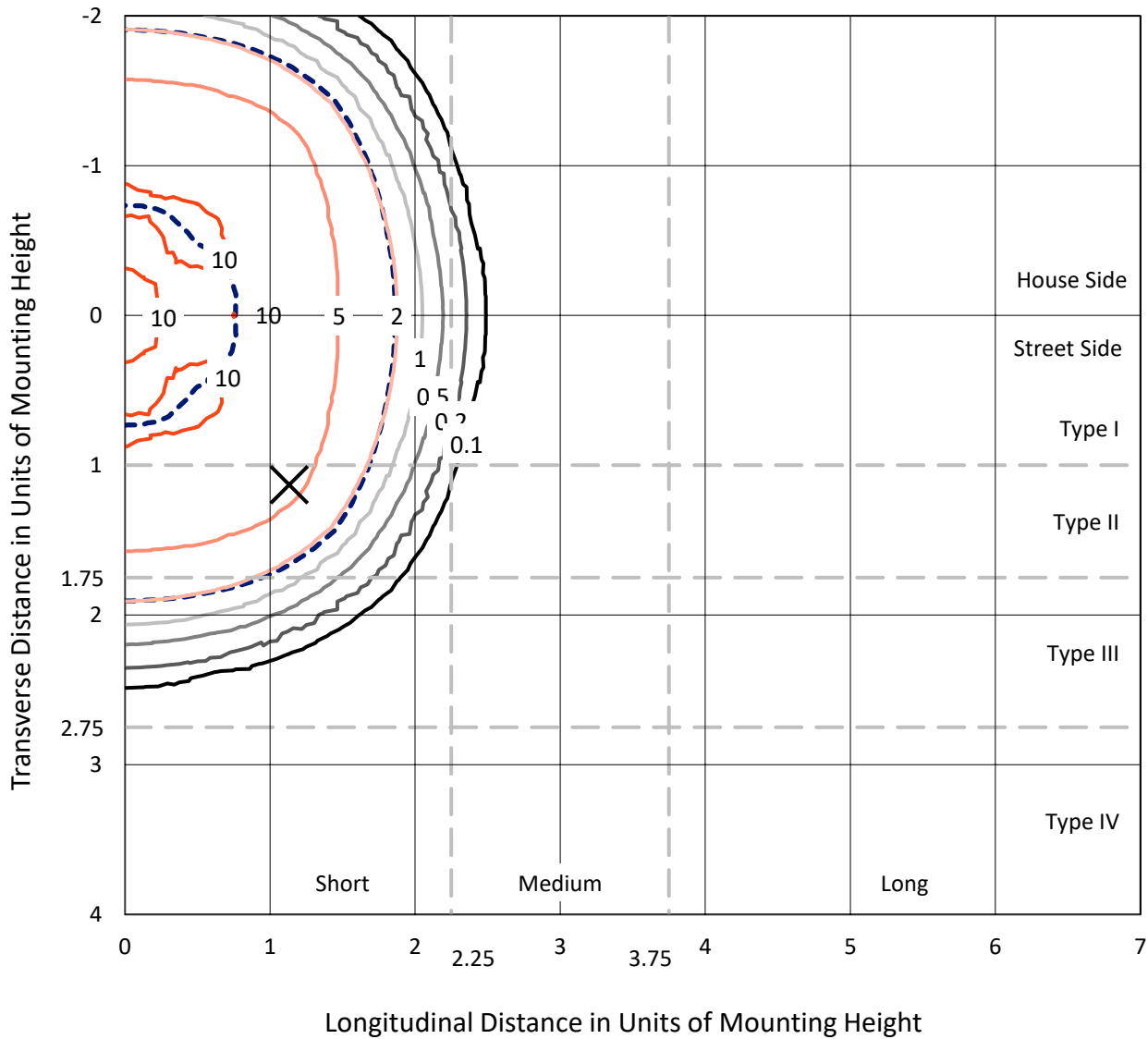
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637469
 CATALOG NUMBER: GWS-SA4C-830-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

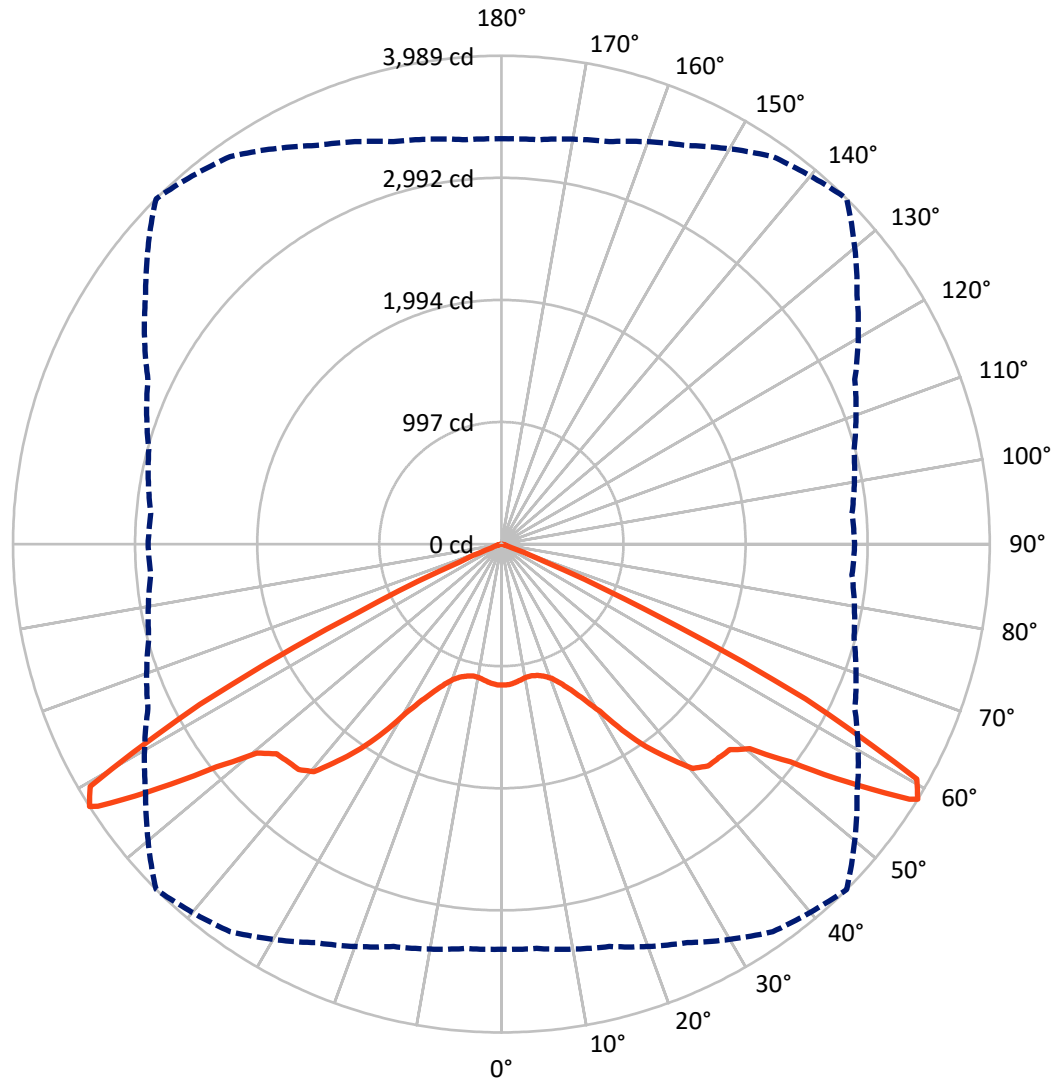
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type V - Short - N/A

REPORT NUMBER: P637469
CATALOG NUMBER: GWS-SA4C-830-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P637469

CATALOG NUMBER: GWS-SA4C-830-U-5WQ-W-GRSBK

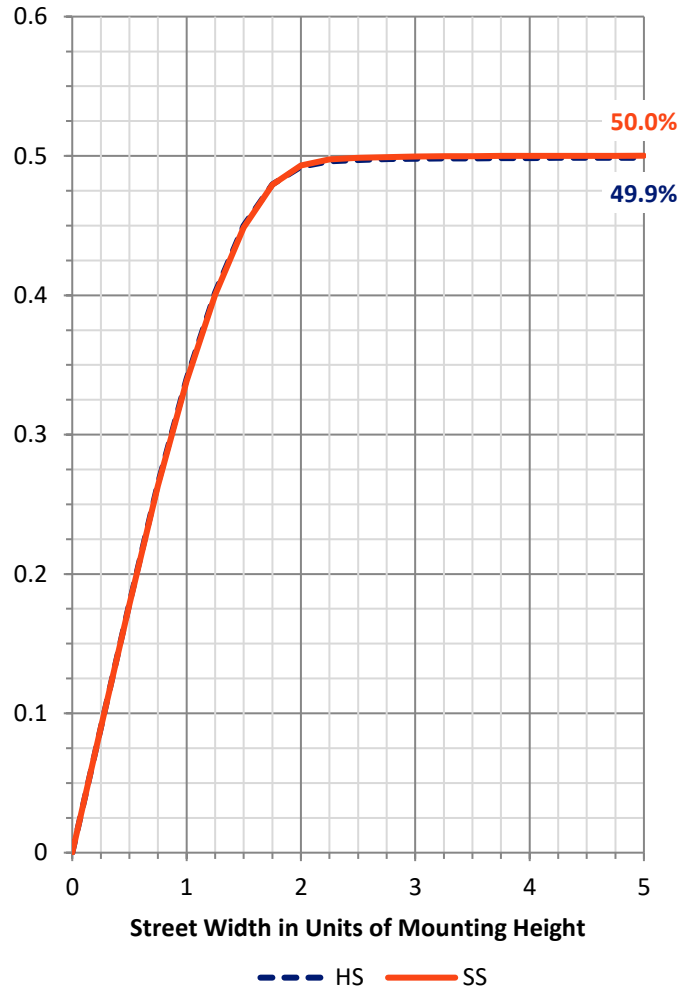
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4057.5	0.0	4057.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4057.5	0.0	4057.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8115.1	0.0	8115.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	1.3
10°-20°	317.7	3.9
20°-30°	600.9	7.4
30°-40°	1185.1	14.6
40°-50°	1875.4	23.1
50°-60°	2756.7	34.0
60°-70°	1230.5	15.2
70°-80°	41.2	0.5
80°-90°	0.3	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°	8115.1	100.0
0°-180°	8115.1	100.0

Coefficient of Utilization



REPORT NUMBER: P637469

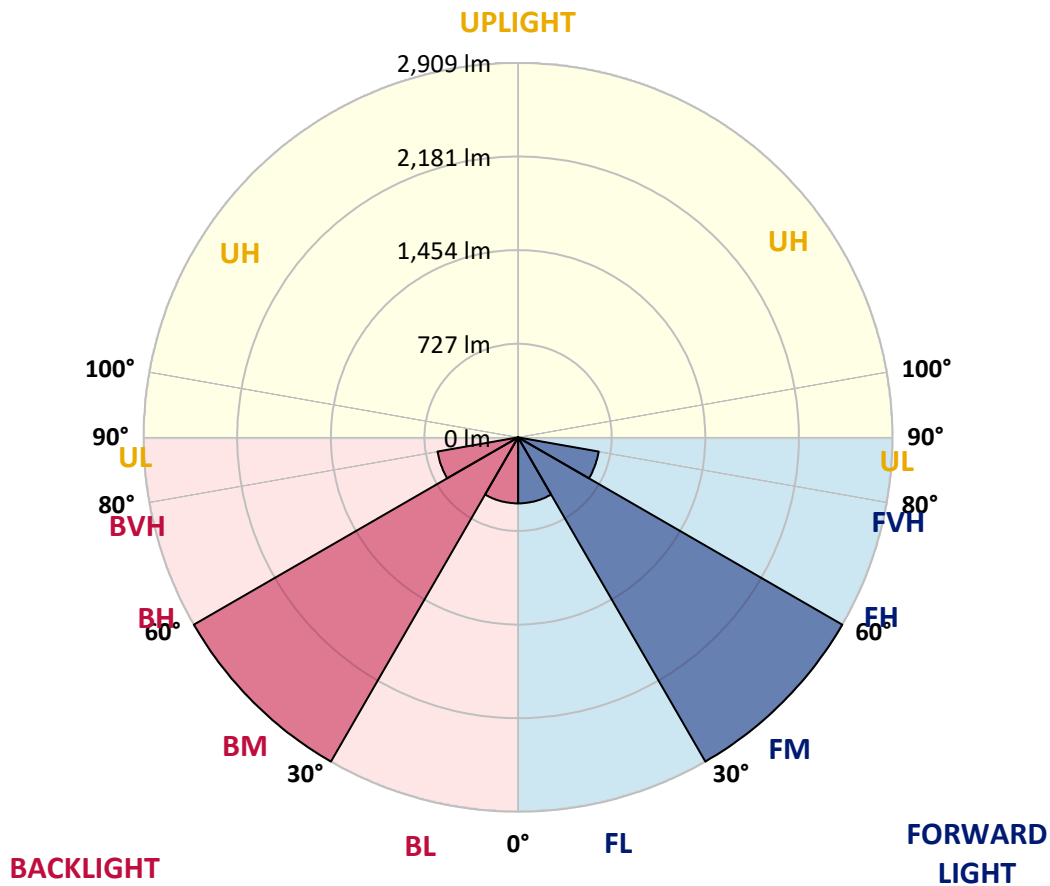
CATALOG NUMBER: GWS-SA4C-830-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.0	6.3			
FM (30°-60°)	2908.5	35.8			
FH (60°-80°)	635.8	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	513.0	6.3	B2/1000		
BM (30°-60°)	2908.5	35.8	B3/5000		
BH (60°-80°)	635.8	7.8	B2/1000		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: P637469

CATALOG NUMBER: GWS-SA4C-830-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8	1150.8
2.5°	1139.8	1142.0	1144.2	1145.3	1146.4	1149.7	1150.8	1147.5	1147.5	1140.9	1148.6
5°	1134.2	1136.5	1138.7	1137.6	1137.6	1137.6	1136.5	1132.0	1130.9	1124.3	1132.0
7.5°	1124.3	1126.5	1126.5	1123.2	1121.0	1121.0	1119.9	1114.3	1113.2	1106.6	1114.3
10°	1116.6	1117.7	1116.6	1109.9	1105.5	1105.5	1104.4	1102.2	1103.3	1098.9	1105.5
12.5°	1121.0	1122.1	1117.7	1108.8	1103.3	1102.2	1098.9	1095.6	1098.9	1097.8	1104.4
15°	1135.4	1136.5	1128.7	1117.7	1113.2	1113.2	1104.4	1095.6	1100.0	1101.1	1108.8
17.5°	1153.0	1153.0	1143.1	1133.1	1134.2	1134.2	1119.9	1104.4	1105.5	1109.9	1117.7
20°	1174.0	1174.0	1164.1	1161.9	1169.6	1170.7	1153.0	1128.7	1123.2	1126.5	1135.4
22.5°	1211.6	1211.6	1203.9	1209.4	1227.1	1232.6	1206.1	1171.8	1158.6	1160.8	1169.6
25°	1270.2	1270.2	1268.0	1281.3	1306.7	1318.9	1283.5	1238.2	1216.1	1212.7	1222.7
27.5°	1368.6	1369.7	1366.4	1386.3	1418.4	1432.7	1384.1	1324.4	1297.9	1292.3	1302.3
30°	1495.7	1495.7	1496.9	1524.5	1566.5	1585.3	1521.2	1451.5	1420.6	1402.9	1416.2
32.5°	1637.3	1639.5	1650.5	1696.9	1771.0	1809.7	1715.7	1618.5	1568.7	1549.9	1564.3
35°	1870.5	1849.5	1836.2	1870.5	1977.7	2028.6	1908.1	1794.2	1756.6	1754.4	1790.9
37.5°	2101.6	2089.4	2061.8	2097.1	2193.3	2216.5	2083.9	1988.8	1962.3	1976.6	2013.1
40°	2285.1	2263.0	2226.5	2259.6	2385.7	2408.9	2245.3	2151.3	2141.4	2173.4	2223.2
42.5°	2429.9	2398.9	2350.3	2358.0	2459.7	2476.3	2331.5	2260.8	2267.4	2307.2	2363.6
45°	2495.1	2470.8	2427.7	2424.4	2488.5	2489.6	2375.7	2339.2	2356.9	2387.9	2432.1
47.5°	2522.8	2511.7	2487.4	2481.9	2518.3	2509.5	2438.7	2423.3	2439.8	2448.7	2474.1
50°	2591.3	2591.3	2594.6	2599.0	2636.6	2627.8	2578.0	2560.3	2539.3	2508.4	2516.1
52.5°	2783.7	2791.4	2823.5	2858.8	2927.4	2956.1	2875.4	2772.6	2672.0	2604.6	2604.6
55°	3130.8	3138.5	3176.1	3235.8	3361.8	3430.4	3242.4	3015.8	2877.6	2785.9	2798.0
57.5°	3322.0	3330.9	3408.3	3569.7	3814.0	3930.1	3526.6	3190.5	2997.0	2892.0	2900.8
58°	3309.9	3315.4	3402.7	3591.8	3863.7	3988.7	3546.5	3185.0	2981.5	2874.3	2885.4
60°	2940.6	2932.9	3072.2	3341.9	3725.5	3898.0	3348.6	2907.5	2670.9	2561.5	2567.0
62.5°	1922.5	1926.9	2047.4	2329.3	2627.8	2790.3	2339.2	2010.9	1820.8	1754.4	1737.9
65°	802.6	788.2	862.3	1019.3	1198.4	1289.0	1107.7	937.5	820.3	776.1	788.2
67.5°	206.7	201.2	205.6	257.6	315.1	372.6	312.9	238.8	207.8	210.0	210.0
70°	117.2	110.6	89.5	82.9	80.7	80.7	80.7	80.7	92.9	109.4	112.8
72.5°	88.4	82.9	65.2	56.4	49.7	46.4	48.6	56.4	67.4	81.8	84.0
75°	44.2	44.2	39.8	37.6	33.2	31.0	32.1	35.4	40.9	46.4	45.3
77.5°	8.8	9.9	11.1	13.3	11.1	11.1	11.1	13.3	13.3	14.4	13.3
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)