

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: P636968

Luminaire Tested: GWS-SA4B-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636968
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-SA4B-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 7025.3 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

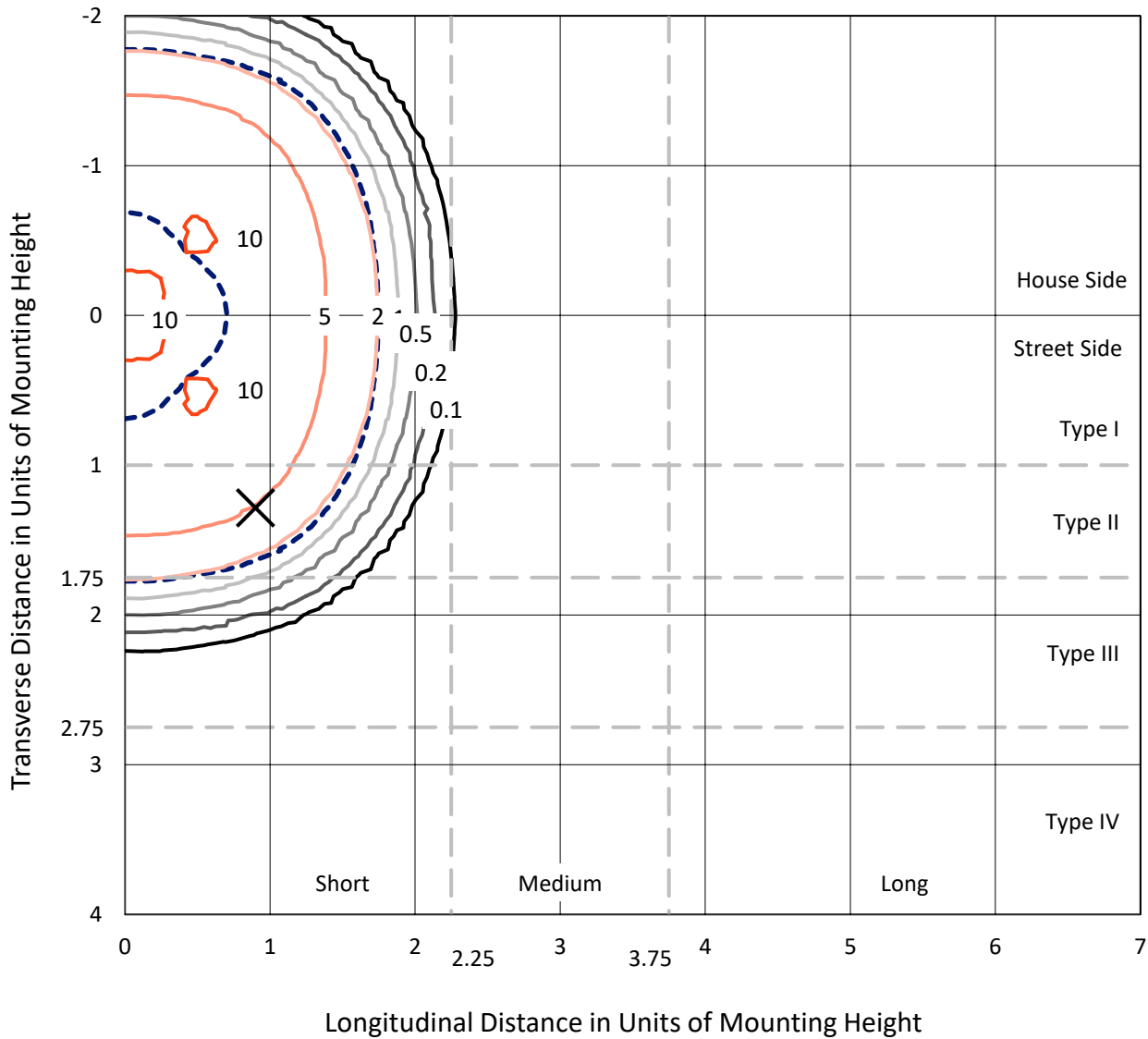
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

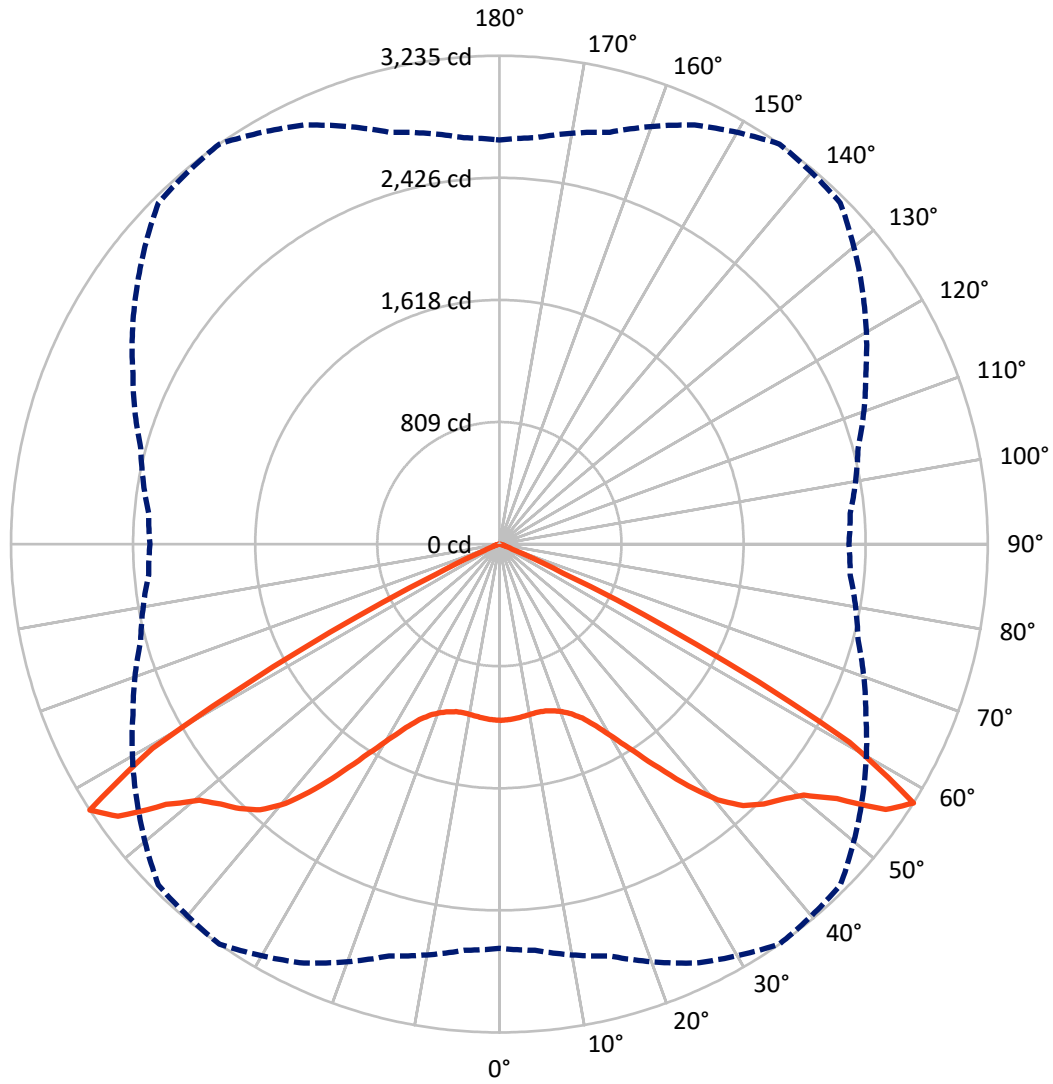
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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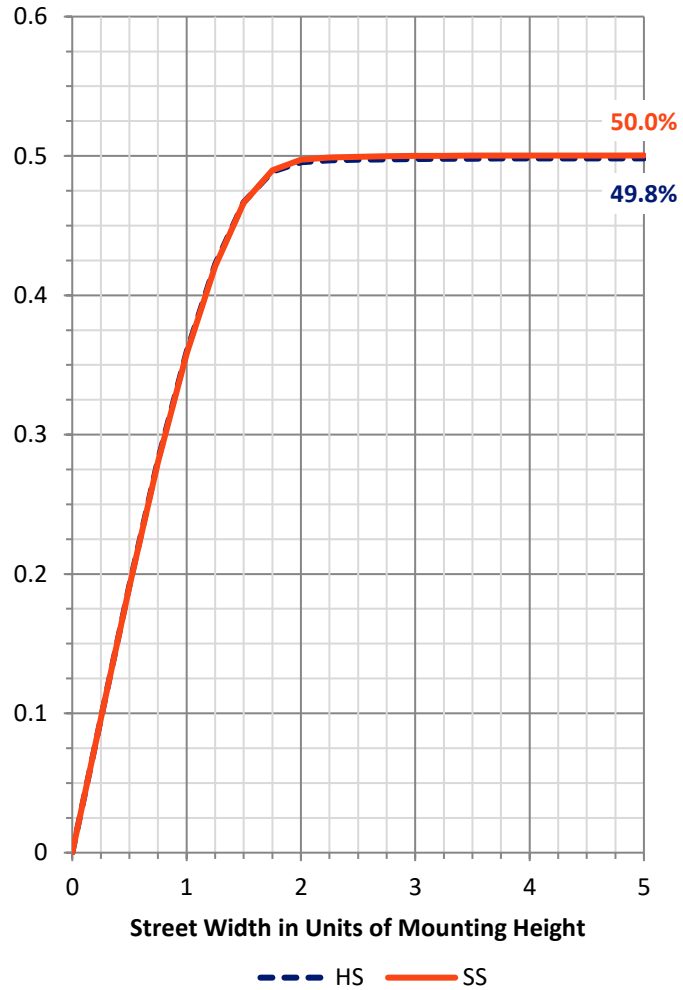
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3512.7	0.0	3512.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3512.7	0.0	3512.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7025.3	0.0	7025.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.6
10°-20°	323.7	4.6
20°-30°	585.1	8.3
30°-40°	1091.6	15.5
40°-50°	1831.2	26.1
50°-60°	2418.2	34.4
60°-70°	642.2	9.1
70°-80°	22.8	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°	7025.3	100.0
0°-180°	7025.3	100.0

Coefficient of Utilization



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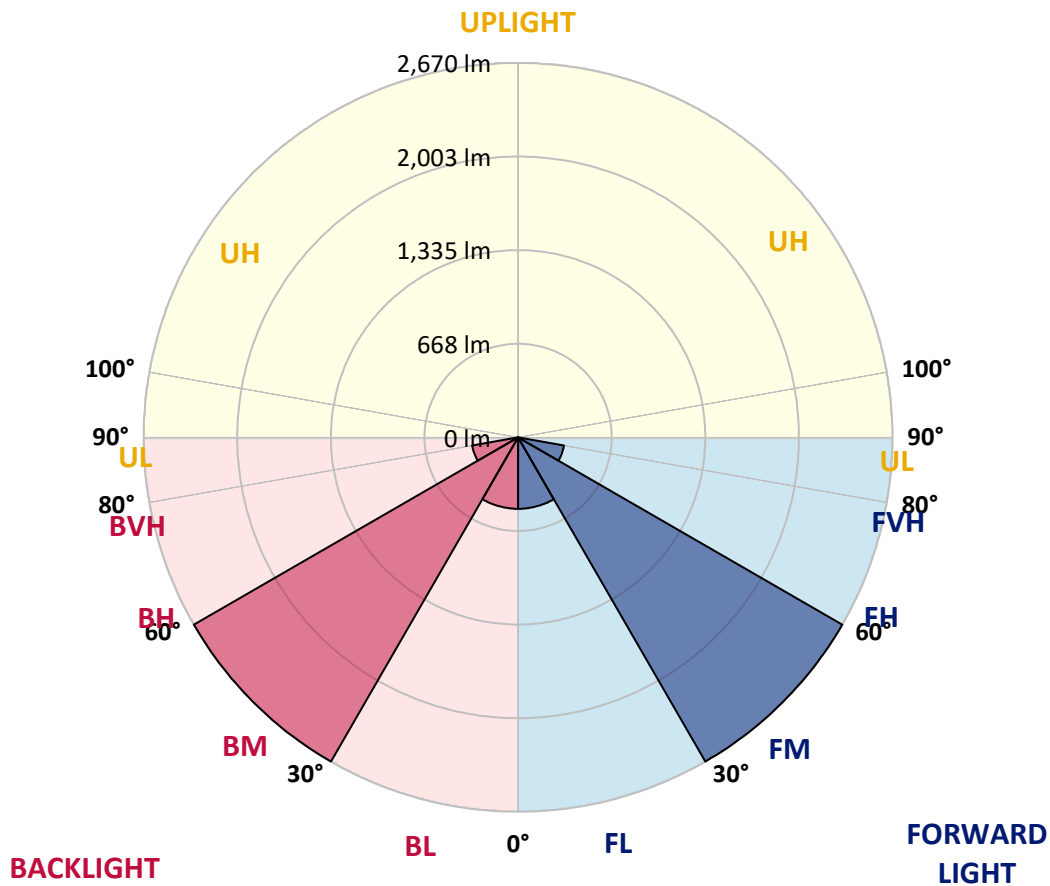
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.4	7.3			
FM (30°-60°)	2670.5	38.0			
FH (60°-80°)	332.5	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	509.4	7.3	B2/1000		
BM (30°-60°)	2670.5	38.0	B3/5000		
BH (60°-80°)	332.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1168.0	1168.0	1168.0	1168.0	1168.0	1168.0	1168.0	1168.0	1168.0	1168.0	1168.0
2.5°	1159.8	1159.0	1162.2	1164.7	1164.7	1170.5	1168.8	1167.2	1165.5	1163.1	1168.8
5°	1158.1	1157.3	1159.8	1161.4	1159.8	1164.7	1161.4	1158.1	1156.5	1153.2	1159.8
7.5°	1150.7	1151.5	1153.2	1154.8	1152.4	1156.5	1152.4	1147.4	1143.3	1140.0	1145.8
10°	1139.2	1140.0	1141.6	1144.9	1145.8	1151.5	1145.8	1136.7	1130.9	1126.0	1131.8
12.5°	1133.4	1134.2	1136.7	1140.8	1141.6	1149.1	1141.6	1128.5	1120.2	1114.4	1120.2
15°	1135.0	1136.7	1140.0	1144.9	1146.6	1154.0	1144.1	1126.8	1115.3	1107.8	1112.8
17.5°	1140.8	1142.5	1147.4	1155.7	1161.4	1168.8	1156.5	1134.2	1118.6	1107.8	1112.8
20°	1148.2	1150.7	1159.0	1172.1	1184.5	1197.7	1182.0	1151.5	1130.9	1117.7	1121.9
22.5°	1168.8	1171.3	1182.9	1200.2	1220.8	1237.3	1218.3	1179.6	1151.5	1134.2	1138.3
25°	1210.9	1213.4	1228.2	1250.4	1276.8	1298.3	1274.4	1225.7	1189.5	1169.7	1171.3
27.5°	1276.8	1279.3	1296.6	1327.9	1363.4	1393.9	1359.3	1302.4	1261.2	1238.1	1238.1
30°	1360.1	1363.4	1386.5	1428.5	1483.7	1524.1	1477.1	1407.9	1355.1	1323.8	1324.6
32.5°	1467.2	1463.9	1496.9	1554.6	1632.9	1686.5	1617.3	1533.2	1468.1	1424.4	1428.5
35°	1604.9	1604.1	1641.2	1719.5	1821.7	1886.0	1803.5	1694.7	1616.4	1571.9	1572.7
37.5°	1782.1	1781.3	1824.2	1909.1	2031.9	2085.5	1993.1	1882.7	1798.6	1755.7	1760.7
40°	1989.8	1984.9	2022.8	2104.4	2227.2	2261.9	2161.3	2072.3	1991.5	1964.3	1977.5
42.5°	2187.7	2177.0	2199.2	2273.4	2368.2	2373.1	2297.3	2236.3	2181.1	2159.6	2167.9
45°	2346.8	2338.5	2359.1	2402.0	2456.4	2431.7	2395.4	2376.4	2331.9	2308.8	2316.3
47.5°	2465.5	2465.5	2490.2	2516.6	2524.8	2479.5	2485.2	2485.2	2440.7	2404.5	2395.4
50°	2567.7	2575.1	2612.2	2639.4	2612.2	2554.5	2587.4	2580.9	2490.2	2417.6	2398.7
52.5°	2730.9	2738.3	2795.2	2832.3	2801.8	2744.9	2749.0	2666.6	2533.0	2447.3	2417.6
55°	2904.0	2922.1	3004.5	3103.5	3104.3	3045.8	2936.9	2791.0	2628.7	2535.5	2505.0
57.5°	2677.3	2702.0	2824.8	3063.1	3235.3	3194.9	2935.3	2678.9	2459.7	2332.7	2315.4
60°	1842.3	1885.2	2008.0	2333.6	2665.8	2681.4	2374.8	2087.1	1835.7	1679.1	1682.4
62.5°	778.1	821.8	891.1	1159.0	1463.9	1482.9	1334.5	1128.5	923.2	810.3	827.6
65°	183.0	195.4	216.0	320.6	464.9	486.3	448.4	349.5	258.0	218.4	222.6
67.5°	80.0	81.6	77.5	82.4	102.2	104.7	101.4	89.0	84.1	85.7	85.7
70°	56.1	56.9	53.6	51.1	48.6	45.3	47.0	51.9	56.1	59.3	58.5
72.5°	34.6	35.4	36.3	36.3	33.8	30.5	32.1	35.4	36.3	37.1	36.3
75°	17.3	18.1	19.8	20.6	19.8	19.0	19.0	19.8	19.8	19.0	19.0
77.5°	3.3	4.1	5.8	6.6	6.6	6.6	6.6	6.6	7.4	6.6	6.6
80°	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
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)