

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: P634004

Luminaire Tested: GWS-SA2F-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634004
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-SA2F-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 6781.9 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 124.5
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

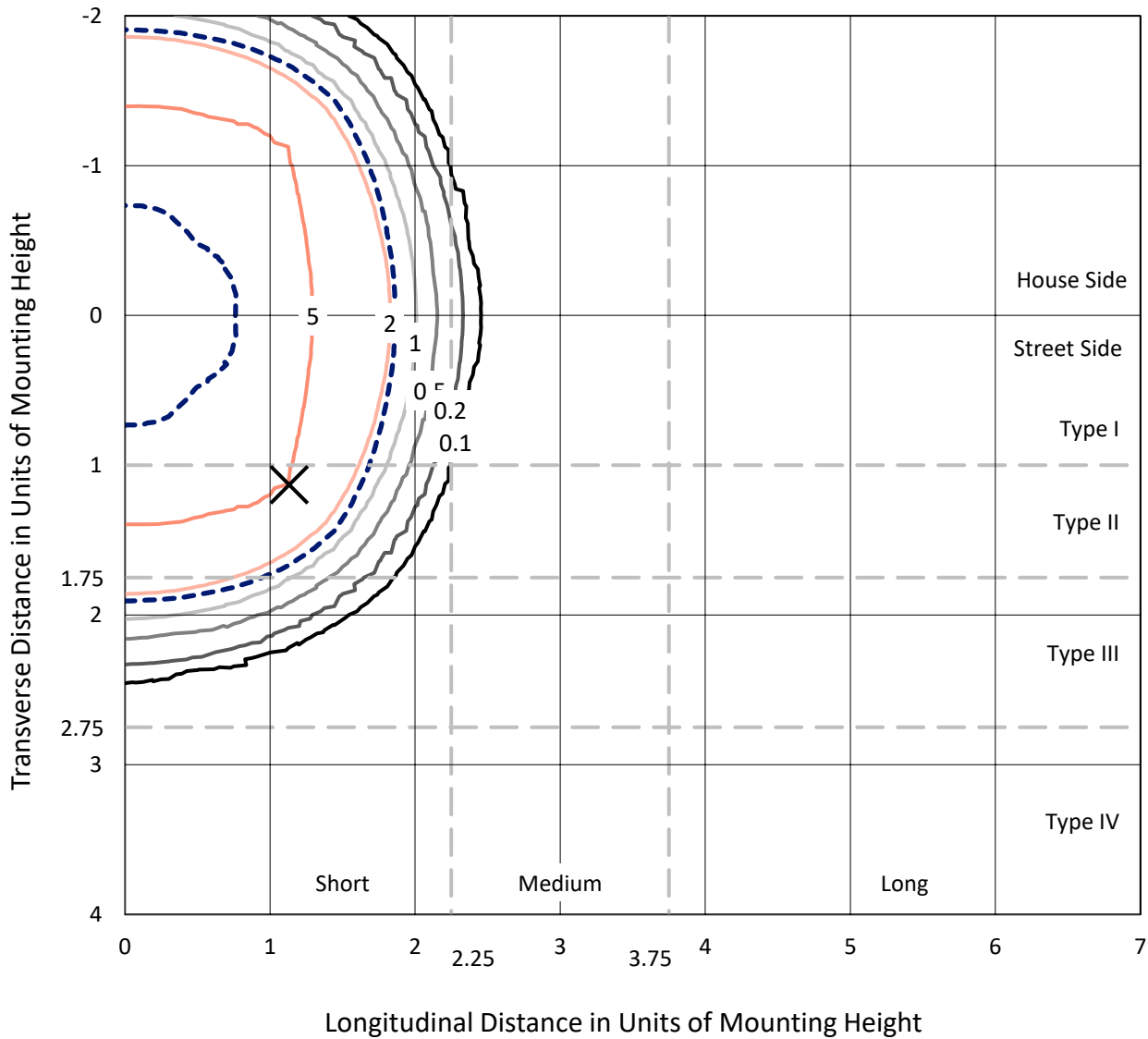


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Iso-Footcandle Lines of Horizontal Illumination

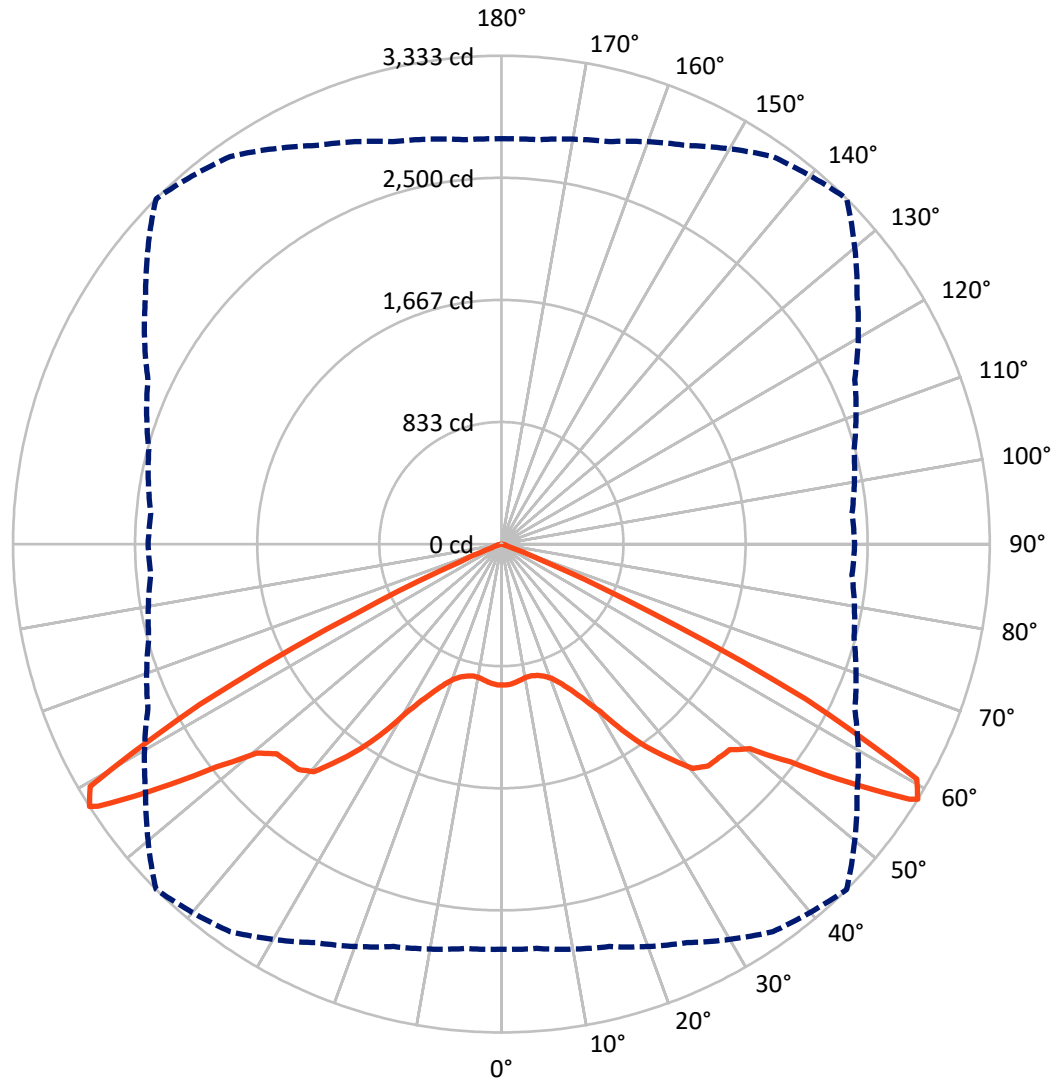
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3390.9	0.0	3390.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3390.9	0.0	3390.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6781.9	0.0	6781.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	1.3
10°-20°	265.5	3.9
20°-30°	502.2	7.4
30°-40°	990.4	14.6
40°-50°	1567.3	23.1
50°-60°	2303.8	34.0
60°-70°	1028.3	15.2
70°-80°	34.4	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°	6781.9	100.0
0°-180°	6781.9	100.0

Coefficient of Utilization



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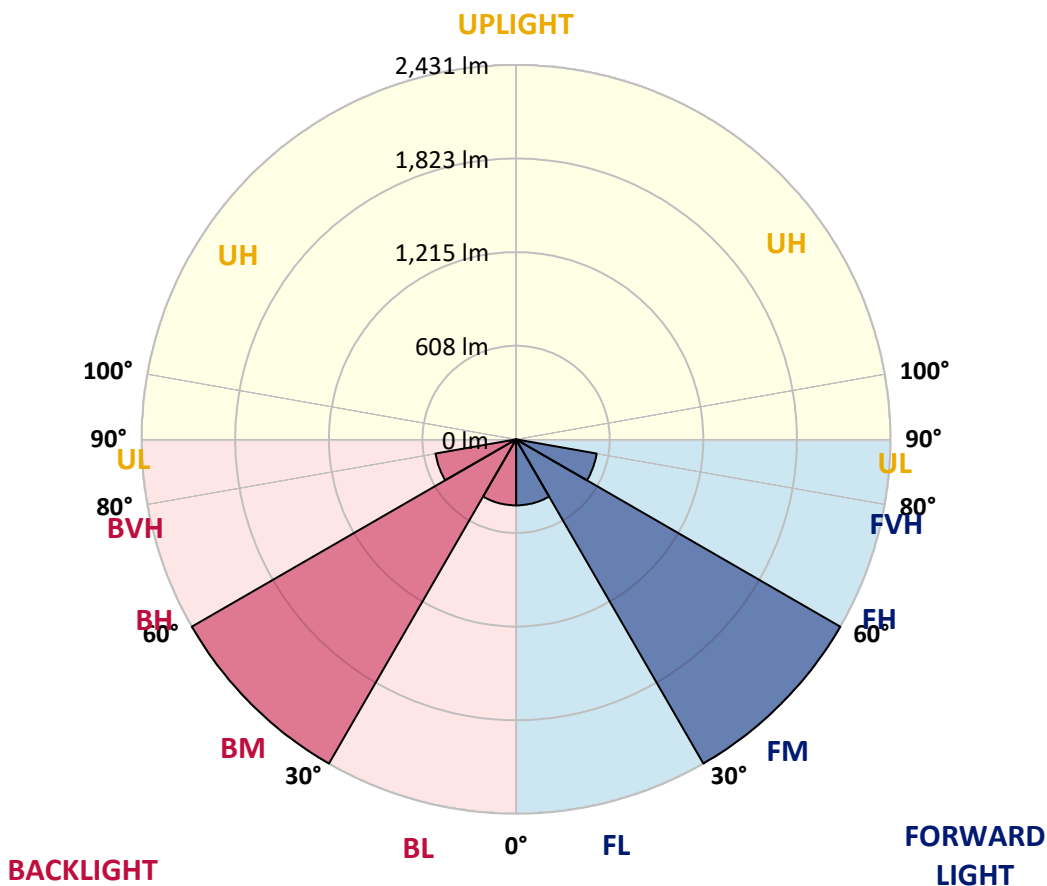
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	428.7	6.3			
FM (30°-60°)	2430.7	35.8			
FH (60°-80°)	531.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	428.7	6.3	B1/500		
BM (30°-60°)	2430.7	35.8	B2/2500		
BH (60°-80°)	531.4	7.8	B2/1000		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	961.8	961.8	961.8	961.8	961.8	961.8	961.8	961.8	961.8	961.8	961.8
2.5°	952.5	954.4	956.2	957.1	958.1	960.8	961.8	959.0	959.0	953.4	959.9
5°	947.9	949.8	951.6	950.7	950.7	950.7	949.8	946.1	945.1	939.6	946.1
7.5°	939.6	941.4	941.4	938.7	936.8	936.8	935.9	931.3	930.4	924.8	931.3
10°	933.1	934.0	933.1	927.6	923.9	923.9	923.0	921.1	922.0	918.3	923.9
12.5°	936.8	937.7	934.0	926.7	922.0	921.1	918.3	915.6	918.3	917.4	923.0
15°	948.8	949.8	943.3	934.0	930.4	930.4	923.0	915.6	919.3	920.2	926.7
17.5°	963.6	963.6	955.3	947.0	947.9	947.9	935.9	923.0	923.9	927.6	934.0
20°	981.2	981.2	972.9	971.0	977.5	978.4	963.6	943.3	938.7	941.4	948.8
22.5°	1012.6	1012.6	1006.1	1010.7	1025.5	1030.1	1008.0	979.3	968.2	970.1	977.5
25°	1061.5	1061.5	1059.7	1070.8	1092.0	1102.2	1072.6	1034.8	1016.3	1013.5	1021.8
27.5°	1143.8	1144.7	1141.9	1158.6	1185.3	1197.4	1156.7	1106.8	1084.6	1080.0	1088.3
30°	1250.0	1250.0	1250.9	1274.0	1309.1	1324.9	1271.3	1213.1	1187.2	1172.4	1183.5
32.5°	1368.3	1370.1	1379.4	1418.2	1480.1	1512.4	1433.9	1352.6	1311.0	1295.3	1307.3
35°	1563.2	1545.7	1534.6	1563.2	1652.8	1695.3	1594.6	1499.5	1468.1	1466.2	1496.7
37.5°	1756.3	1746.1	1723.0	1752.6	1833.0	1852.4	1741.5	1662.1	1639.9	1651.9	1682.4
40°	1909.7	1891.2	1860.7	1888.4	1993.7	2013.1	1876.4	1797.9	1789.6	1816.4	1857.9
42.5°	2030.7	2004.8	1964.2	1970.6	2055.6	2069.5	1948.5	1889.3	1894.9	1928.1	1975.3
45°	2085.2	2064.9	2028.9	2026.1	2079.7	2080.6	1985.4	1954.9	1969.7	1995.6	2032.5
47.5°	2108.3	2099.1	2078.7	2074.1	2104.6	2097.2	2038.1	2025.2	2039.0	2046.4	2067.7
50°	2165.6	2165.6	2168.4	2172.1	2203.5	2196.1	2154.5	2139.7	2122.2	2096.3	2102.8
52.5°	2326.3	2332.8	2359.6	2389.2	2446.4	2470.5	2403.0	2317.1	2233.0	2176.7	2176.7
55°	2616.4	2622.9	2654.3	2704.2	2809.5	2866.8	2709.8	2520.4	2404.9	2328.2	2338.4
57.5°	2776.3	2783.7	2848.3	2983.2	3187.4	3284.4	2947.2	2666.3	2504.7	2416.9	2424.3
58°	2766.1	2770.7	2843.7	3001.7	3229.0	3333.4	2963.8	2661.7	2491.7	2402.1	2411.3
60°	2457.5	2451.1	2567.5	2792.9	3113.5	3257.6	2798.4	2429.8	2232.1	2140.6	2145.3
62.5°	1606.6	1610.3	1711.0	1946.6	2196.1	2331.9	1954.9	1680.5	1521.6	1466.2	1452.3
65°	670.7	658.7	720.6	851.8	1001.5	1077.2	925.7	783.5	685.5	648.6	658.7
67.5°	172.8	168.1	171.8	215.3	263.3	311.3	261.5	199.6	173.7	175.5	175.5
70°	97.9	92.4	74.8	69.3	67.4	67.4	67.4	67.4	77.6	91.5	94.2
72.5°	73.9	69.3	54.5	47.1	41.6	38.8	40.7	47.1	56.4	68.4	70.2
75°	37.0	37.0	33.3	31.4	27.7	25.9	26.8	29.6	34.2	38.8	37.9
77.5°	7.4	8.3	9.2	11.1	9.2	9.2	9.2	11.1	11.1	12.0	11.1
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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)