

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: P634988

Luminaire Tested: GWS-SA3C-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634988
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-SA3C-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6770.6 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 93
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

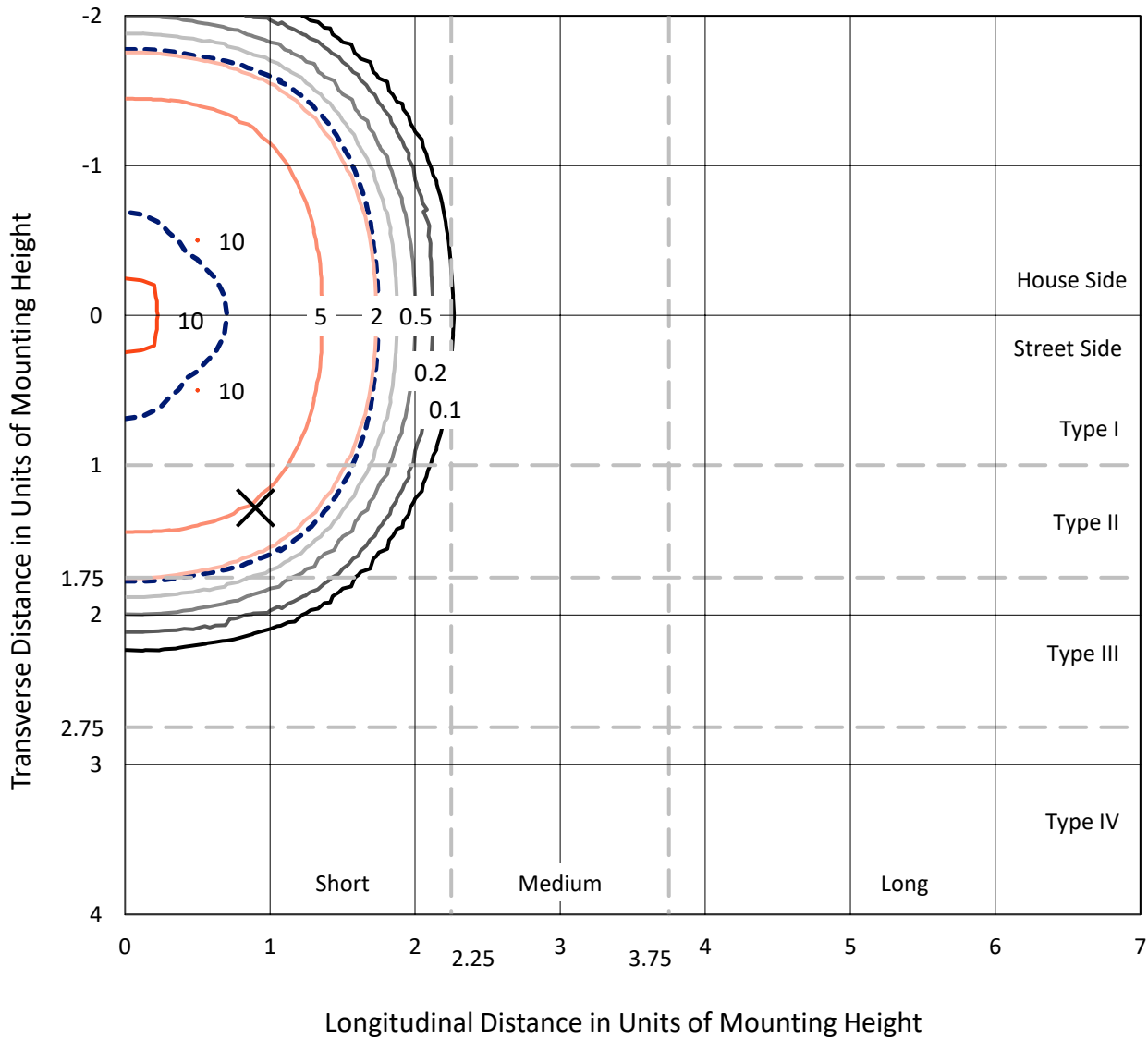


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Iso-Footcandle Lines of Horizontal Illumination

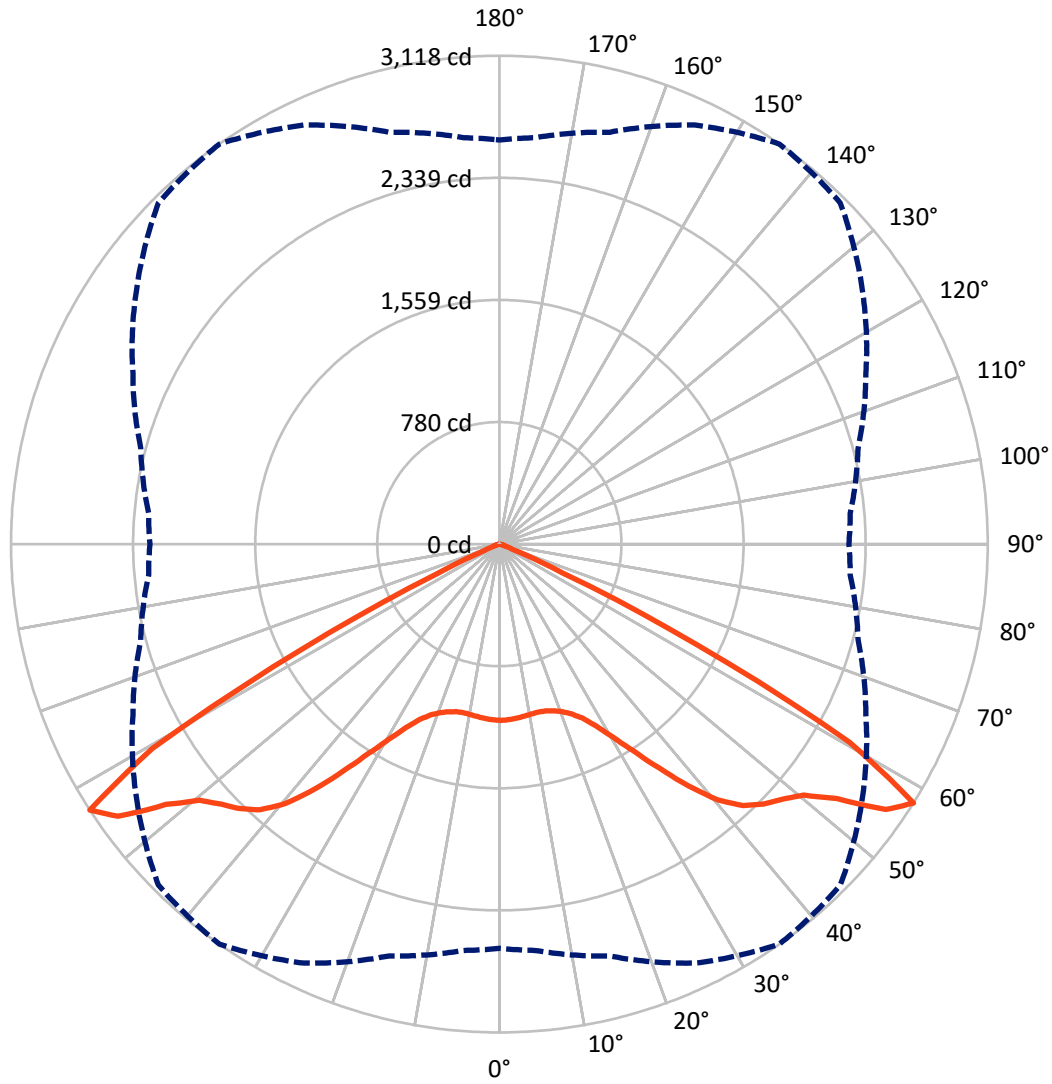
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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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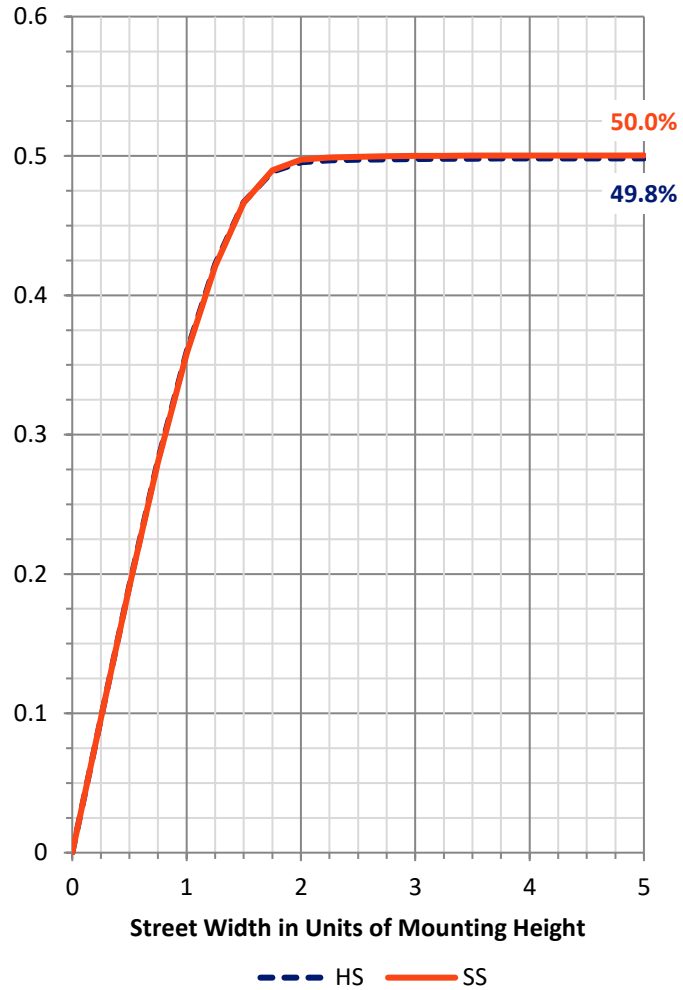
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3385.3	0.0	3385.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3385.3	0.0	3385.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6770.6	0.0	6770.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.6
10°-20°	312.0	4.6
20°-30°	563.9	8.3
30°-40°	1052.0	15.5
40°-50°	1764.8	26.1
50°-60°	2330.6	34.4
60°-70°	618.9	9.1
70°-80°	22.0	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°	6770.6	100.0
0°-180°	6770.6	100.0

Coefficient of Utilization



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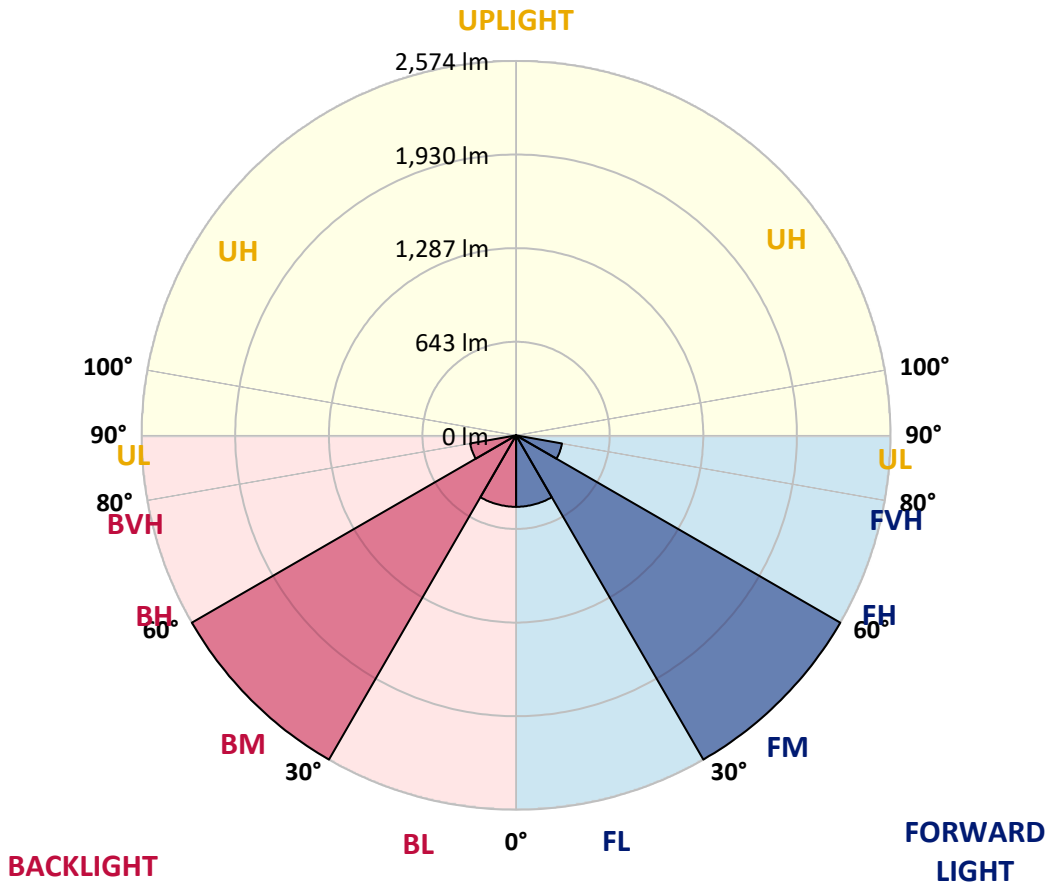
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.0	7.3			
FM (30°-60°)	2573.7	38.0			
FH (60°-80°)	320.5	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	491.0	7.3	B1/500		
BM (30°-60°)	2573.7	38.0	B3/5000		
BH (60°-80°)	320.5	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°	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7	1125.7
2.5°	1117.7	1116.9	1120.1	1122.5	1122.5	1128.1	1126.5	1124.9	1123.3	1120.9	1126.5
5°	1116.1	1115.3	1117.7	1119.3	1117.7	1122.5	1119.3	1116.1	1114.6	1111.4	1117.7
7.5°	1109.0	1109.8	1111.4	1113.0	1110.6	1114.6	1110.6	1105.8	1101.8	1098.7	1104.2
10°	1097.9	1098.7	1100.3	1103.4	1104.2	1109.8	1104.2	1095.5	1089.9	1085.2	1090.7
12.5°	1092.3	1093.1	1095.5	1099.5	1100.3	1107.4	1100.3	1087.5	1079.6	1074.0	1079.6
15°	1093.9	1095.5	1098.7	1103.4	1105.0	1112.2	1102.6	1086.0	1074.8	1067.7	1072.4
17.5°	1099.5	1101.0	1105.8	1113.8	1119.3	1126.5	1114.6	1093.1	1078.0	1067.7	1072.4
20°	1106.6	1109.0	1116.9	1129.6	1141.6	1154.3	1139.2	1109.8	1089.9	1077.2	1081.2
22.5°	1126.5	1128.9	1140.0	1156.7	1176.5	1192.4	1174.1	1136.8	1109.8	1093.1	1097.1
25°	1167.0	1169.4	1183.7	1205.1	1230.5	1251.2	1228.2	1181.3	1146.3	1127.3	1128.9
27.5°	1230.5	1232.9	1249.6	1279.8	1313.9	1343.3	1310.0	1255.2	1215.4	1193.2	1193.2
30°	1310.8	1313.9	1336.2	1376.7	1429.9	1468.9	1423.6	1356.8	1306.0	1275.8	1276.6
32.5°	1414.0	1410.9	1442.6	1498.2	1573.7	1625.4	1558.6	1477.6	1414.8	1372.7	1376.7
35°	1546.7	1545.9	1581.7	1657.1	1755.6	1817.6	1738.2	1633.3	1557.8	1514.9	1515.7
37.5°	1717.5	1716.7	1758.0	1839.8	1958.2	2009.8	1920.9	1814.4	1733.4	1692.1	1696.9
40°	1917.7	1912.9	1949.5	2028.1	2146.5	2179.8	2082.9	1997.1	1919.3	1893.1	1905.8
42.5°	2108.4	2098.0	2119.5	2191.0	2282.3	2287.1	2214.0	2155.2	2102.0	2081.3	2089.3
45°	2261.7	2253.7	2273.6	2314.9	2367.3	2343.5	2308.5	2290.3	2247.4	2225.1	2232.3
47.5°	2376.1	2376.1	2399.9	2425.3	2433.3	2389.6	2395.1	2395.1	2352.2	2317.3	2308.5
50°	2474.6	2481.7	2517.5	2543.7	2517.5	2461.9	2493.6	2487.3	2399.9	2330.0	2311.7
52.5°	2631.9	2639.0	2693.8	2729.6	2700.2	2645.4	2649.3	2569.9	2441.2	2358.6	2330.0
55°	2798.7	2816.2	2895.6	2990.9	2991.7	2935.3	2830.5	2689.9	2533.4	2443.6	2414.2
57.5°	2580.2	2604.1	2722.4	2952.0	3118.0	3079.1	2828.9	2581.8	2370.5	2248.2	2231.5
60°	1775.5	1816.8	1935.2	2249.0	2569.1	2584.2	2288.7	2011.4	1769.1	1618.2	1621.4
62.5°	749.9	792.0	858.8	1116.9	1410.9	1429.1	1286.1	1087.5	889.7	780.9	797.6
65°	176.4	188.3	208.1	309.0	448.0	468.7	432.2	336.8	248.6	210.5	214.5
67.5°	77.1	78.6	74.7	79.4	98.5	100.9	97.7	85.8	81.0	82.6	82.6
70°	54.0	54.8	51.6	49.3	46.9	43.7	45.3	50.0	54.0	57.2	56.4
72.5°	33.4	34.2	35.0	35.0	32.6	29.4	31.0	34.2	35.0	35.7	35.0
75°	16.7	17.5	19.1	19.9	19.1	18.3	18.3	19.1	19.1	18.3	18.3
77.5°	3.2	4.0	5.6	6.4	6.4	6.4	6.4	6.4	7.1	6.4	6.4
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)