

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: P639449

Luminaire Tested: GWS-SA5B-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639449
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-SA5B-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7422.8 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 115.7
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

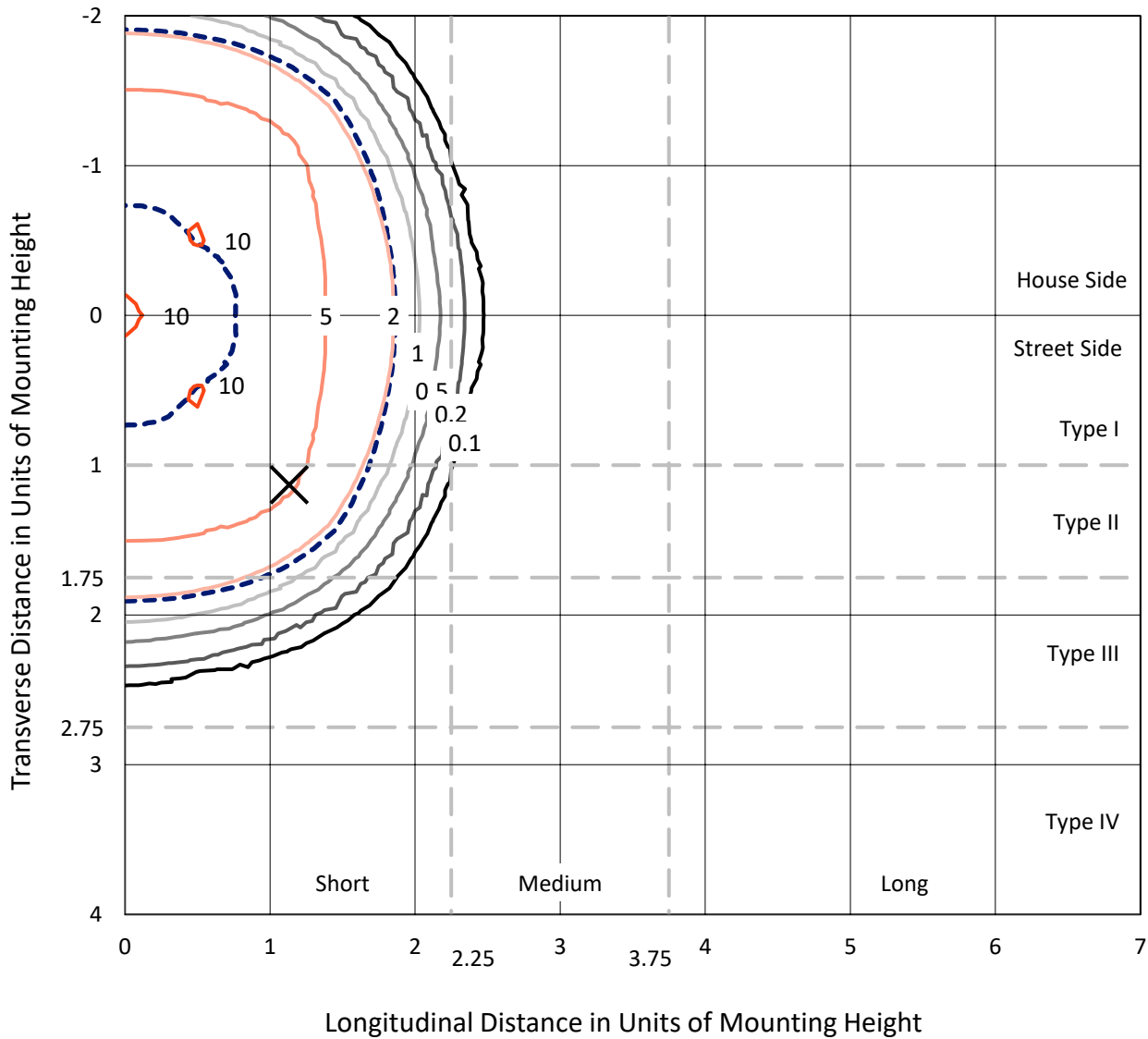


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Iso-Footcandle Lines of Horizontal Illumination

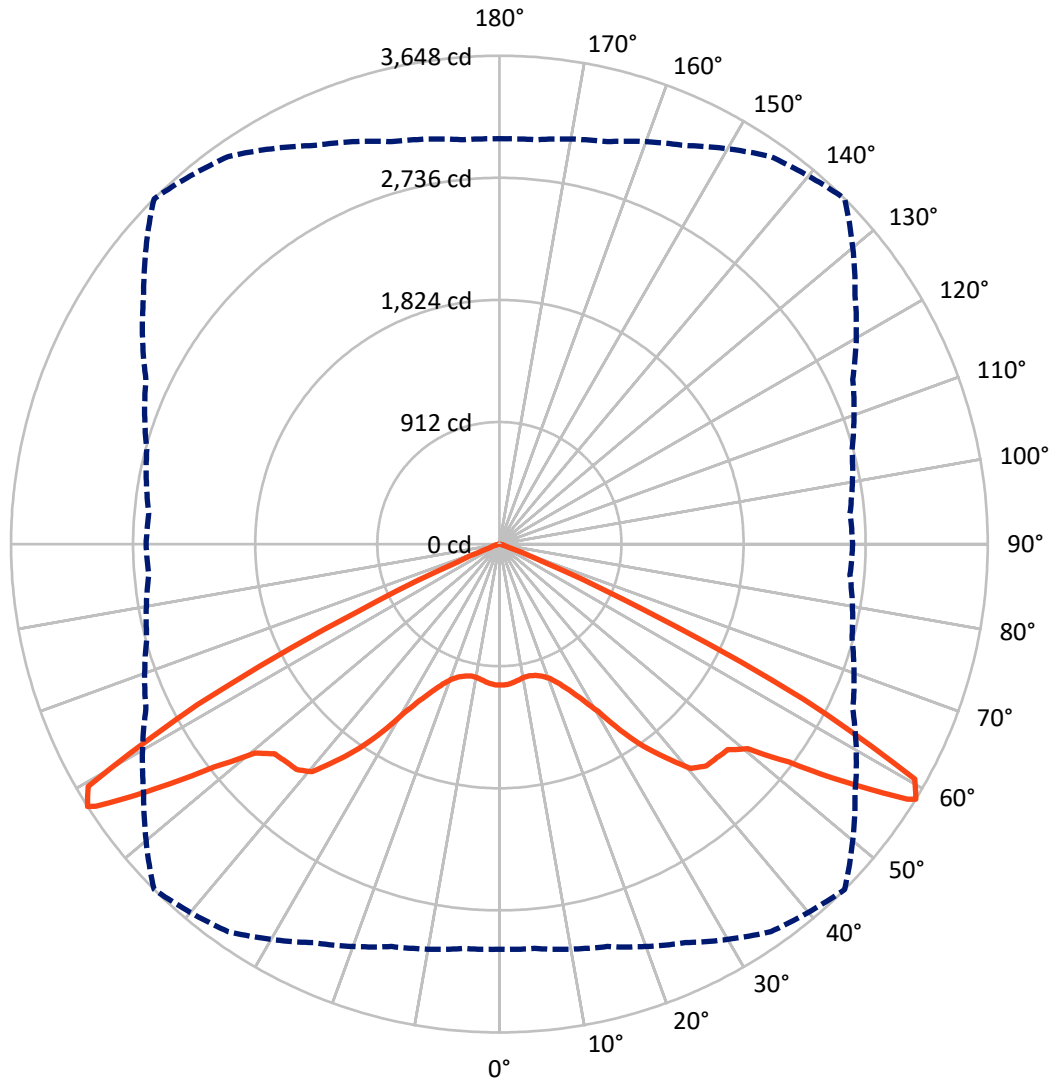
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 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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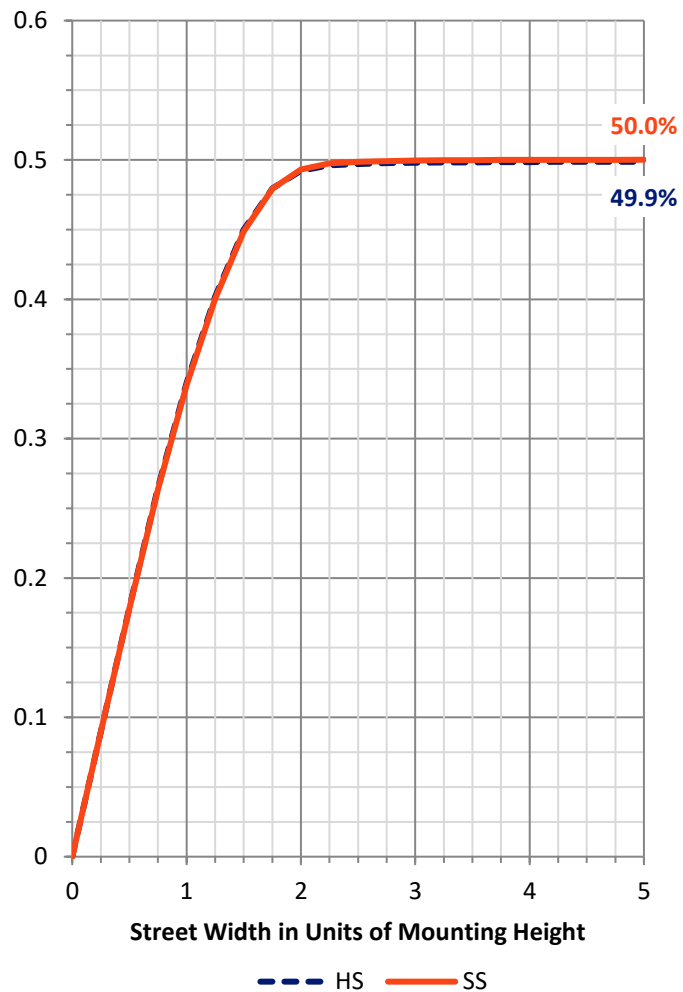
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3711.4	0.0	3711.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3711.4	0.0	3711.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7422.8	0.0	7422.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	1.3
10°-20°	290.6	3.9
20°-30°	549.6	7.4
30°-40°	1084.0	14.6
40°-50°	1715.4	23.1
50°-60°	2521.5	34.0
60°-70°	1125.5	15.2
70°-80°	37.7	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°	7422.8	100.0
0°-180°	7422.8	100.0

Coefficient of Utilization



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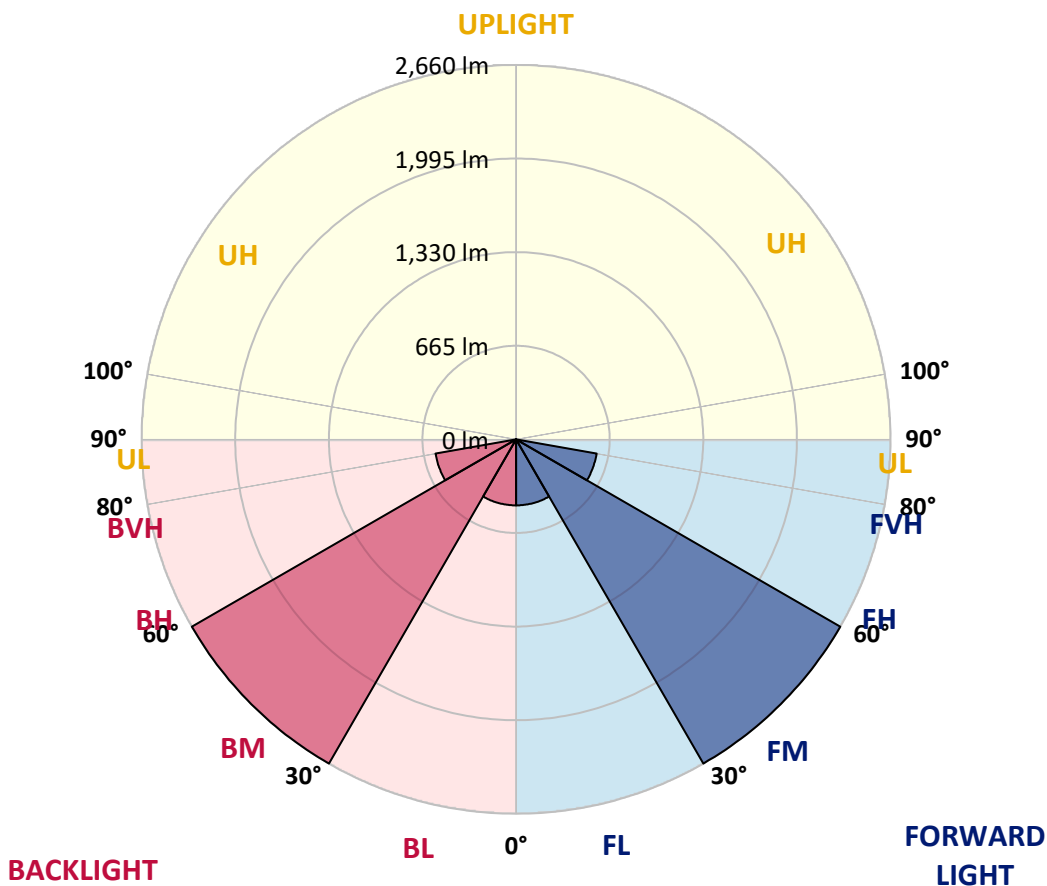
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.2	6.3			
FM (30°-60°)	2660.4	35.8			
FH (60°-80°)	581.6	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	469.2	6.3	B1/500		
BM (30°-60°)	2660.4	35.8	B3/5000		
BH (60°-80°)	581.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7
2.5°	1042.5	1044.6	1046.6	1047.6	1048.6	1051.6	1052.7	1049.6	1049.6	1043.6	1050.6
5°	1037.5	1039.5	1041.5	1040.5	1040.5	1040.5	1039.5	1035.5	1034.5	1028.4	1035.5
7.5°	1028.4	1030.4	1030.4	1027.4	1025.3	1025.3	1024.3	1019.3	1018.3	1012.2	1019.3
10°	1021.3	1022.3	1021.3	1015.2	1011.2	1011.2	1010.2	1008.2	1009.2	1005.1	1011.2
12.5°	1025.3	1026.4	1022.3	1014.2	1009.2	1008.2	1005.1	1002.1	1005.1	1004.1	1010.2
15°	1038.5	1039.5	1032.4	1022.3	1018.3	1018.3	1010.2	1002.1	1006.1	1007.1	1014.2
17.5°	1054.7	1054.7	1045.6	1036.5	1037.5	1037.5	1024.3	1010.2	1011.2	1015.2	1022.3
20°	1073.9	1073.9	1064.8	1062.8	1069.8	1070.9	1054.7	1032.4	1027.4	1030.4	1038.5
22.5°	1108.3	1108.3	1101.2	1106.2	1122.4	1127.5	1103.2	1071.9	1059.7	1061.8	1069.8
25°	1161.9	1161.9	1159.8	1172.0	1195.2	1206.4	1174.0	1132.5	1112.3	1109.3	1118.4
27.5°	1251.9	1252.9	1249.8	1268.0	1297.4	1310.5	1266.0	1211.4	1187.1	1182.1	1191.2
30°	1368.1	1368.1	1369.2	1394.4	1432.9	1450.1	1391.4	1327.7	1299.4	1283.2	1295.3
32.5°	1497.6	1499.6	1509.7	1552.2	1619.9	1655.3	1569.4	1480.4	1434.9	1417.7	1430.8
35°	1710.9	1691.7	1679.6	1710.9	1809.0	1855.5	1745.3	1641.2	1606.8	1604.8	1638.1
37.5°	1922.3	1911.2	1885.9	1918.2	2006.2	2027.4	1906.1	1819.1	1794.9	1808.0	1841.4
40°	2090.1	2069.9	2036.5	2066.9	2182.2	2203.4	2053.7	1967.8	1958.7	1988.0	2033.5
42.5°	2222.6	2194.3	2149.8	2156.9	2249.9	2265.1	2132.6	2067.9	2074.0	2110.4	2161.9
45°	2282.3	2260.0	2220.6	2217.5	2276.2	2277.2	2173.1	2139.7	2155.9	2184.2	2224.6
47.5°	2307.5	2297.4	2275.2	2270.1	2303.5	2295.4	2230.7	2216.5	2231.7	2239.8	2263.0
50°	2370.2	2370.2	2373.3	2377.3	2411.7	2403.6	2358.1	2341.9	2322.7	2294.4	2301.5
52.5°	2546.2	2553.3	2582.6	2614.9	2677.6	2703.9	2630.1	2536.1	2444.1	2382.4	2382.4
55°	2863.7	2870.8	2905.2	2959.8	3075.0	3137.7	2965.8	2758.5	2632.1	2548.2	2559.3
57.5°	3038.6	3046.7	3117.5	3265.1	3488.6	3594.8	3225.7	2918.3	2741.3	2645.3	2653.4
58°	3027.5	3032.6	3112.5	3285.4	3534.1	3648.4	3243.9	2913.2	2727.2	2629.1	2639.2
60°	2689.8	2682.7	2810.1	3056.8	3407.7	3565.5	3062.9	2659.4	2443.0	2342.9	2348.0
62.5°	1758.5	1762.5	1872.7	2130.6	2403.6	2552.3	2139.7	1839.4	1665.4	1604.8	1589.6
65°	734.1	721.0	788.7	932.3	1096.1	1179.1	1013.2	857.5	750.3	709.9	721.0
67.5°	189.1	184.0	188.1	235.6	288.2	340.8	286.2	218.4	190.1	192.1	192.1
70°	107.2	101.1	81.9	75.8	73.8	73.8	73.8	73.8	84.9	100.1	103.1
72.5°	80.9	75.8	59.7	51.6	45.5	42.5	44.5	51.6	61.7	74.8	76.9
75°	40.4	40.4	36.4	34.4	30.3	28.3	29.3	32.4	37.4	42.5	41.5
77.5°	8.1	9.1	10.1	12.1	10.1	10.1	10.1	12.1	12.1	13.1	12.1
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)