

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: P634495

Luminaire Tested: GWS-SA3B-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8556.9 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

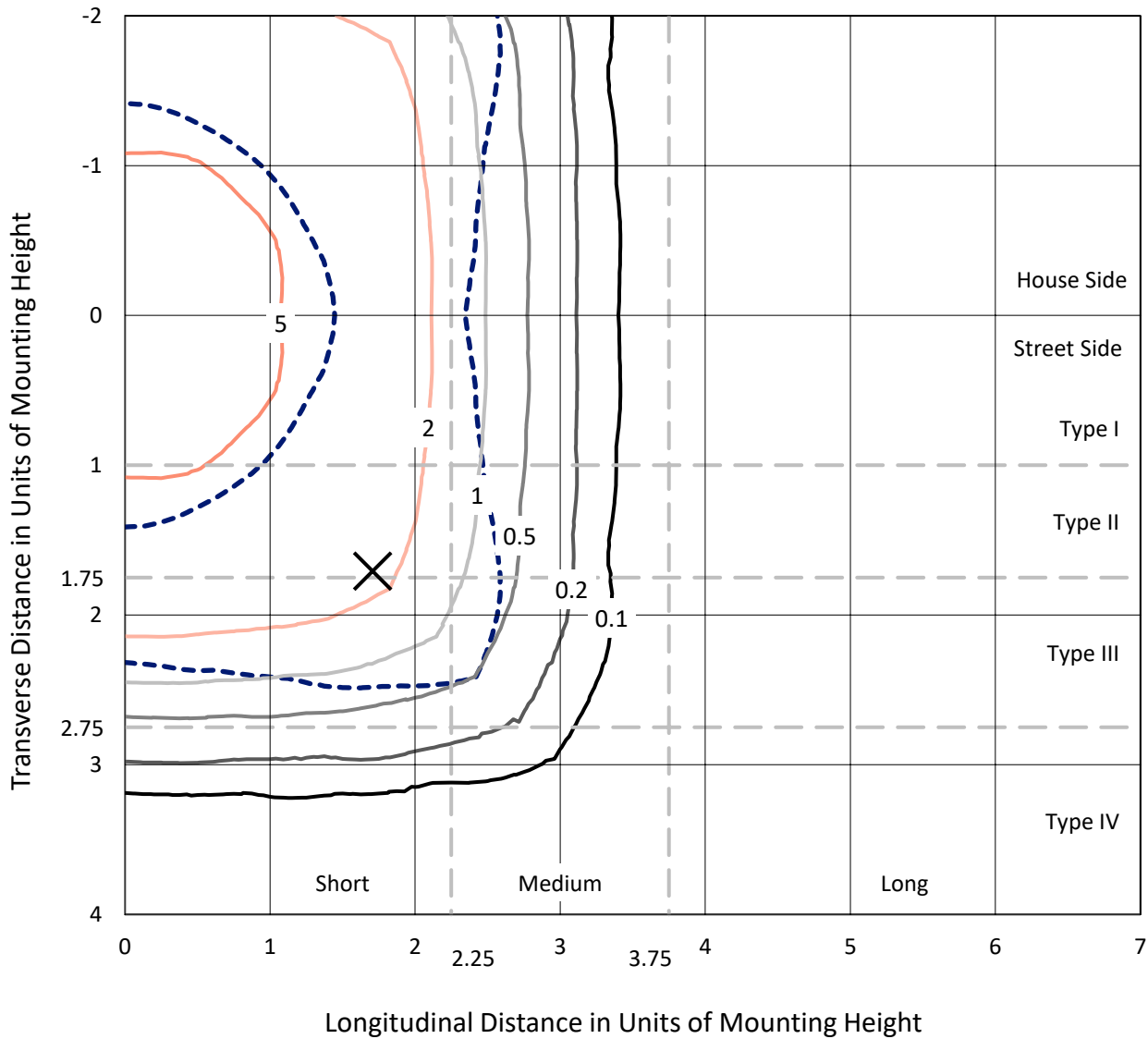
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

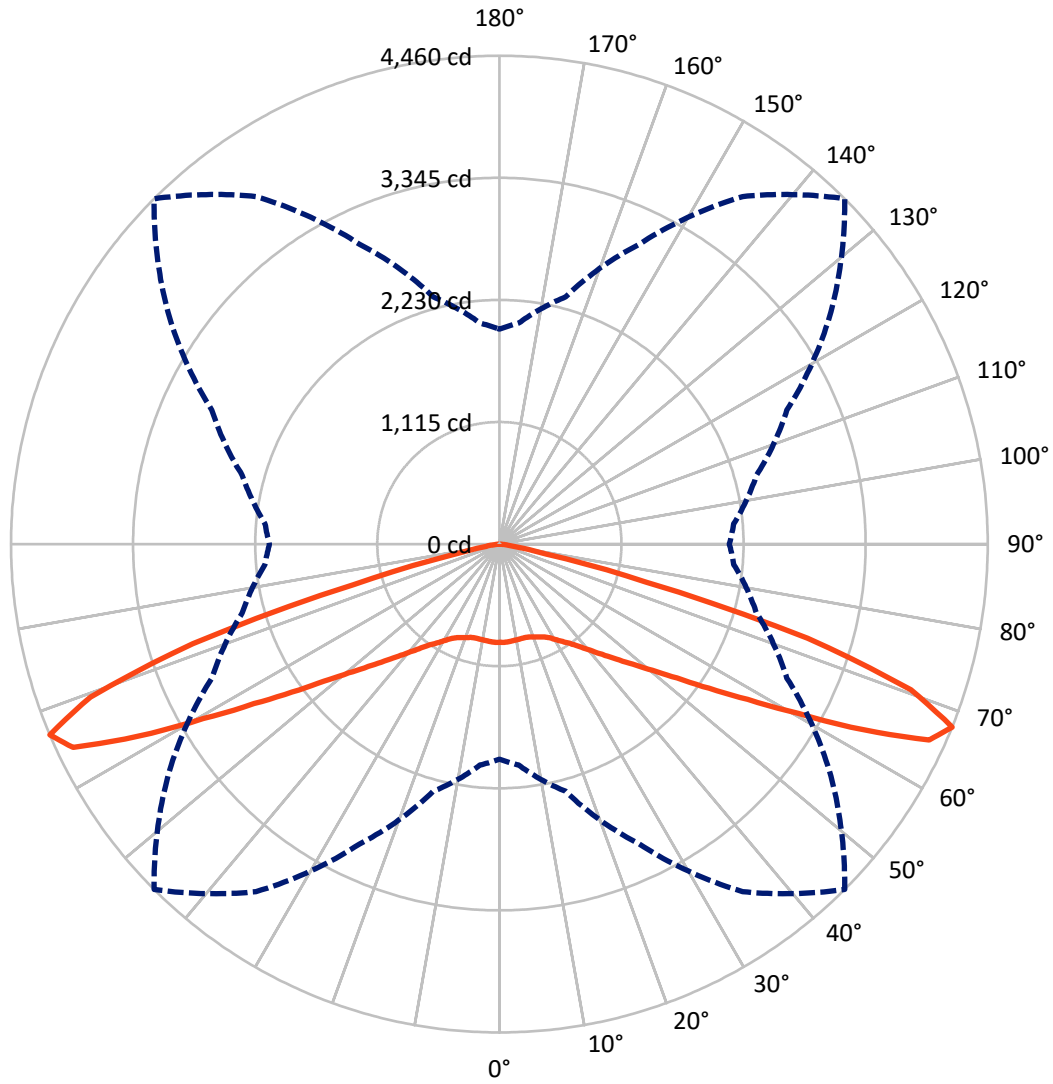
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4278.4	0.0	4278.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4278.4	0.0	4278.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8556.9	0.0	8556.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	1.0
10°-20°	249.1	2.9
20°-30°	429.7	5.0
30°-40°	698.7	8.2
40°-50°	1176.4	13.7
50°-60°	2084.4	24.4
60°-70°	2979.5	34.8
70°-80°	817.7	9.6
80°-90°	36.6	0.4
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°	8556.9	100.0
0°-180°	8556.9	100.0

Coefficient of Utilization



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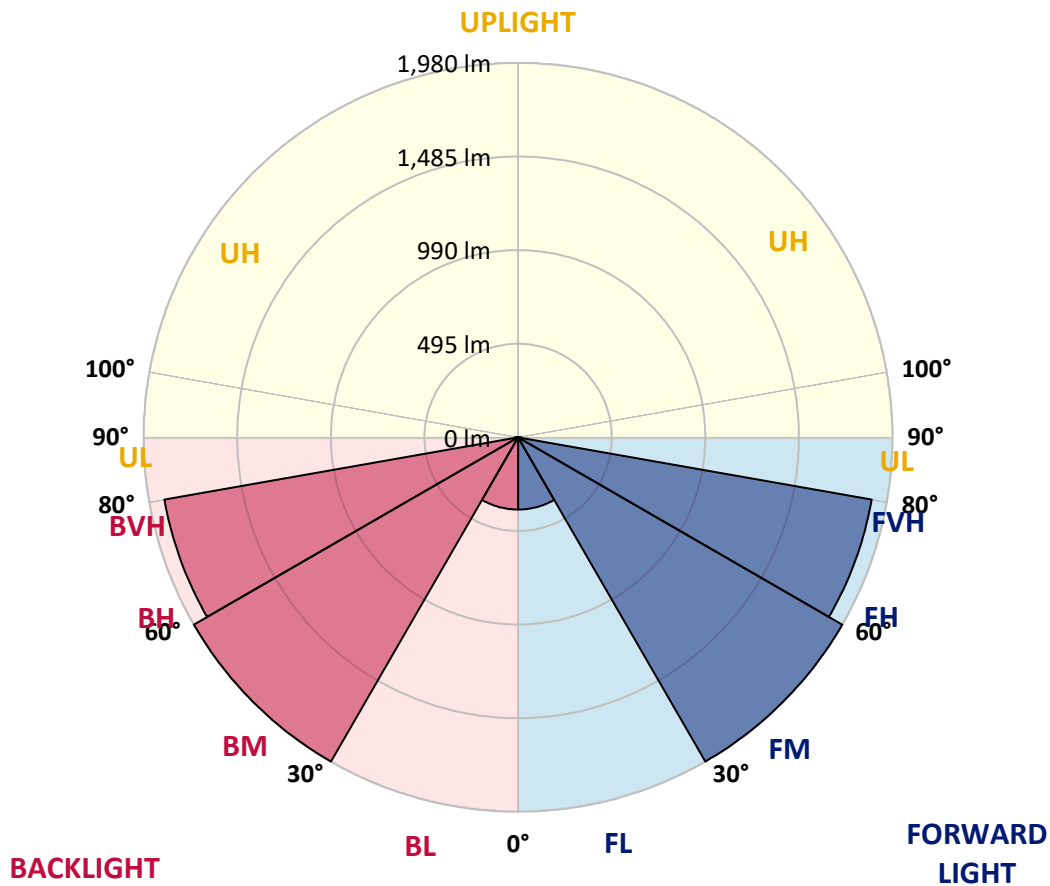
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.8	4.5			
FM (30°-60°)	1979.7	23.1			
FH (60°-80°)	1898.6	22.2			G2/5000
FVH (80°-90°)	18.3	0.2			G1/100
BL (0°-30°)	381.8	4.5	B1/500		
BM (30°-60°)	1979.7	23.1	B2/2500		
BH (60°-80°)	1898.6	22.2	B3/2500		G2/5000
BVH (80°-90°)	18.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	896.2	896.2	896.2	896.2	896.2	896.2	896.2	896.2	896.2	896.2	896.2
2.5°	890.3	889.7	892.6	894.4	893.8	898.0	897.4	896.2	896.2	894.4	899.1
5°	890.3	889.7	892.0	892.6	891.4	895.0	893.8	892.6	892.6	890.3	894.4
7.5°	885.5	886.1	887.9	889.1	887.9	890.9	889.1	886.7	886.1	883.7	887.9
10°	876.6	877.2	879.0	882.0	882.6	887.9	884.9	880.8	879.0	876.6	880.8
12.5°	871.3	871.9	873.7	877.2	878.4	885.5	882.6	876.0	873.1	870.7	874.9
15°	870.1	870.7	873.1	876.6	878.4	885.5	882.6	874.9	870.7	867.8	871.3
17.5°	870.1	871.3	874.9	880.2	883.7	890.9	887.3	878.4	872.5	867.2	870.7
20°	870.7	872.5	877.8	885.5	894.4	904.5	899.7	887.9	879.6	873.1	875.5
22.5°	876.0	879.0	885.5	895.6	908.6	920.5	916.3	900.3	888.5	879.6	882.0
25°	894.4	895.6	903.9	916.9	929.4	939.4	935.3	920.5	905.7	895.0	898.0
27.5°	927.0	929.9	937.1	950.7	961.3	966.7	966.1	956.0	941.2	931.7	934.1
30°	966.1	969.0	978.5	993.9	1004.6	1010.5	1008.7	1001.0	987.4	974.4	976.7
32.5°	1011.7	1012.9	1024.1	1041.3	1052.6	1061.4	1055.5	1047.2	1030.0	1014.6	1015.8
35°	1069.7	1071.5	1083.4	1099.4	1108.2	1115.3	1114.2	1105.9	1087.5	1070.9	1075.1
37.5°	1142.6	1143.8	1154.4	1174.6	1181.7	1187.0	1188.2	1184.1	1165.1	1143.8	1147.9
40°	1233.2	1233.8	1245.7	1263.4	1271.1	1274.7	1275.3	1275.9	1256.3	1240.3	1239.1
42.5°	1338.6	1341.6	1358.2	1375.4	1378.9	1377.2	1383.1	1389.0	1370.0	1348.1	1349.9
45°	1464.8	1466.6	1489.1	1508.1	1501.5	1495.6	1506.9	1518.7	1501.5	1473.1	1464.8
47.5°	1614.1	1617.6	1641.9	1660.9	1650.2	1639.5	1657.9	1670.4	1642.5	1612.3	1604.6
50°	1782.9	1785.3	1819.6	1843.3	1830.9	1811.3	1834.4	1847.5	1810.1	1772.8	1756.2
52.5°	1982.5	1977.8	2023.4	2064.8	2057.1	2031.7	2050.6	2053.0	1997.3	1944.6	1928.0
55°	2225.9	2221.2	2266.8	2312.4	2331.4	2324.9	2316.0	2301.8	2219.4	2163.2	2147.8
57.5°	2509.7	2494.9	2558.8	2620.4	2661.9	2673.7	2635.8	2602.7	2537.5	2468.2	2450.4
60°	2773.3	2772.7	2874.0	2980.6	3094.3	3141.7	3045.7	2955.7	2809.4	2683.2	2657.8
62.5°	2847.3	2859.7	3025.6	3289.8	3570.5	3738.1	3485.2	3187.3	2904.8	2714.6	2680.9
65°	2664.9	2695.7	2931.4	3348.4	3902.8	4312.7	3741.7	3192.6	2798.7	2561.8	2526.3
67.5°	1964.1	2025.7	2337.9	3021.4	3874.4	4460.2	3696.1	2897.1	2430.9	2148.9	2099.8
70°	969.0	1027.7	1275.3	1987.8	3187.9	3986.9	3198.0	2183.3	1641.9	1370.6	1325.6
72.5°	356.6	380.3	477.4	850.6	1759.2	2945.0	2186.9	1219.6	795.5	633.2	603.0
75°	174.7	178.9	193.7	285.5	649.2	1386.0	1027.7	467.9	292.6	254.7	246.4
77.5°	111.4	113.1	120.2	136.2	208.5	436.5	311.6	184.8	143.3	137.4	137.4
80°	62.2	64.0	73.4	84.7	97.7	149.9	111.9	110.8	94.2	82.3	80.6
82.5°	29.6	32.6	46.8	46.2	51.5	75.2	65.7	59.8	60.4	45.6	43.2
85°	13.6	13.6	18.4	21.9	23.1	25.5	30.2	34.4	33.8	23.1	24.9
87.5°	6.5	6.5	6.5	5.9	5.3	4.7	6.5	10.7	15.4	10.7	10.1
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)