

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: P636035

Luminaire Tested: GWS-SA3F-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636035
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-SA3F-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18651.2 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

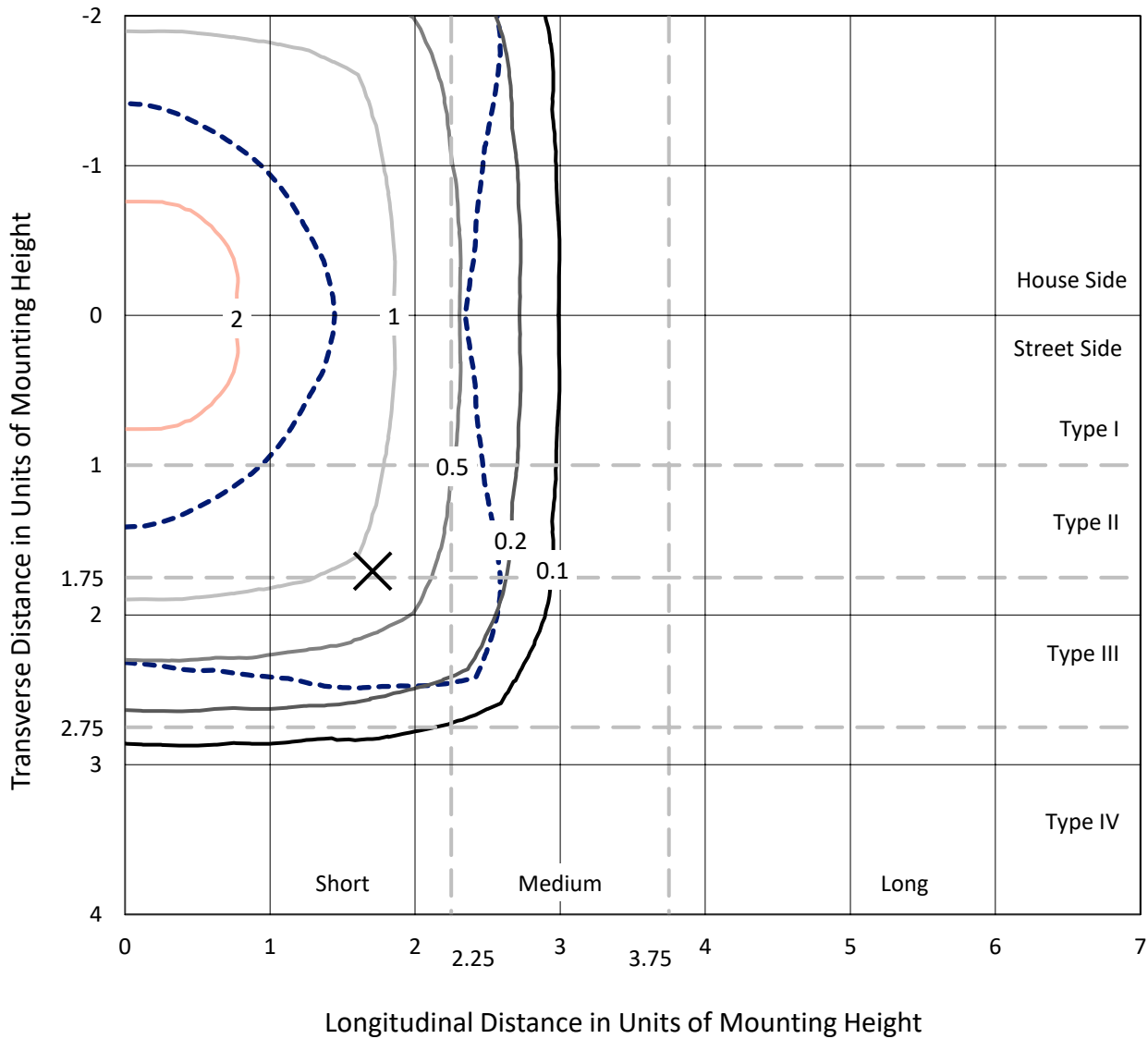
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

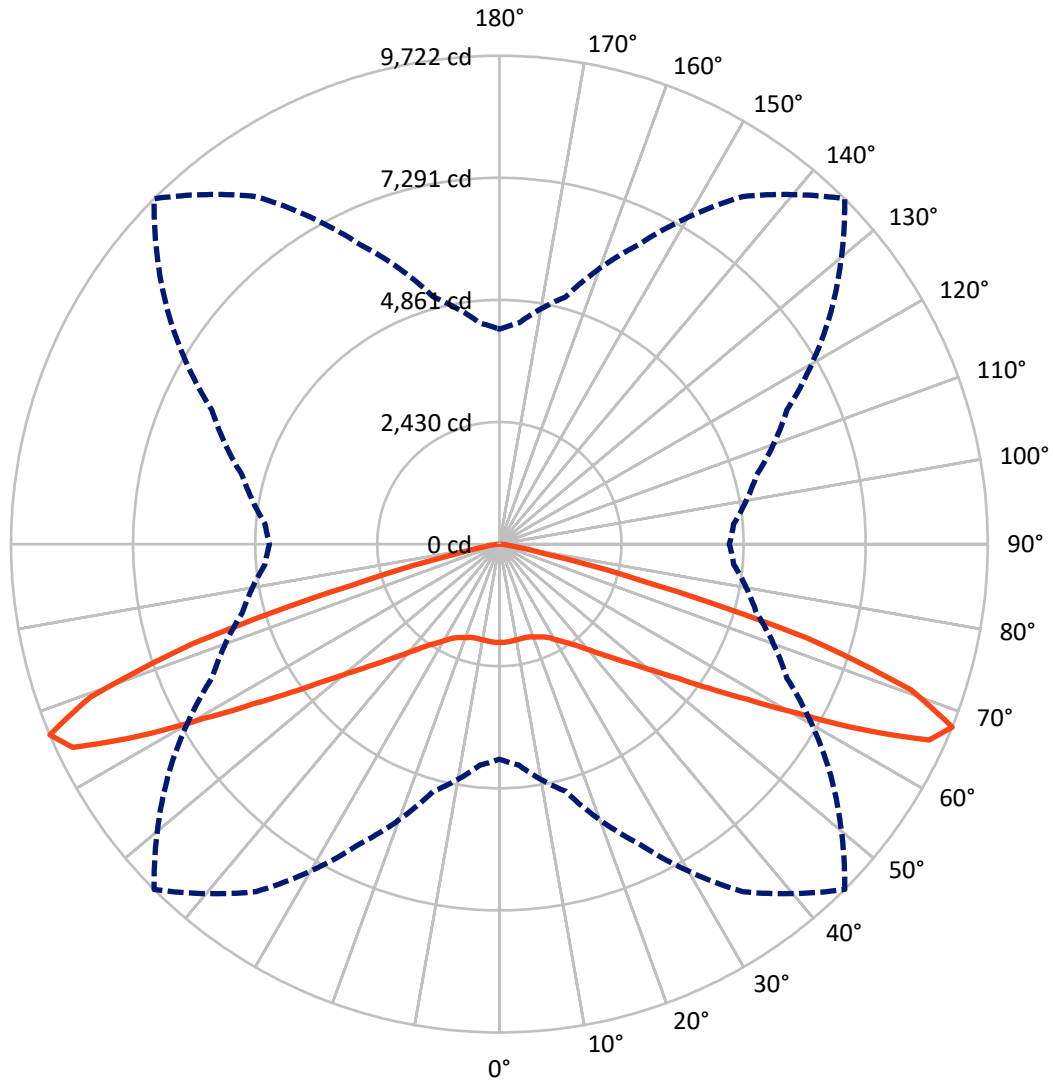
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	9325.6	0.0	9325.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9325.6	0.0	9325.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	18651.2	0.0	18651.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	1.0
10°-20°	543.0	2.9
20°-30°	936.5	5.0
30°-40°	1522.9	8.2
40°-50°	2564.2	13.7
50°-60°	4543.2	24.4
60°-70°	6494.2	34.8
70°-80°	1782.4	9.6
80°-90°	79.9	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°	18651.2	100.0
0°-180°	18651.2	100.0

Coefficient of Utilization



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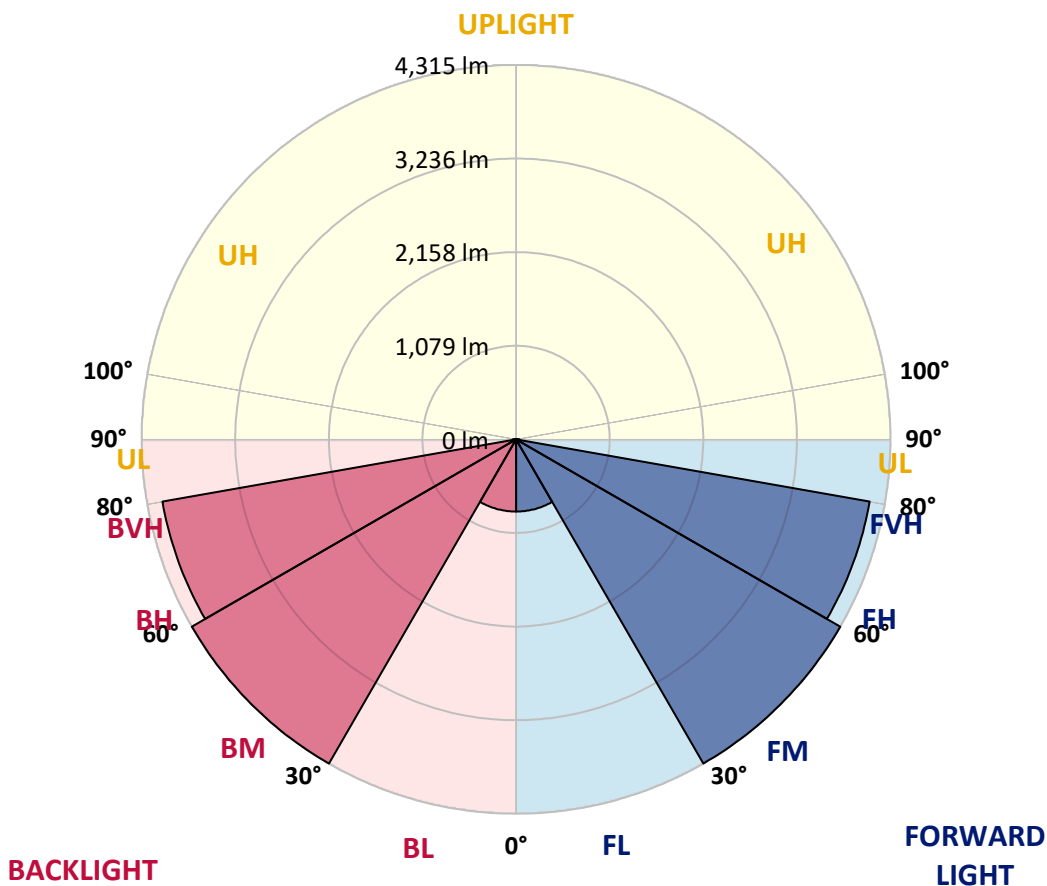
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	832.2	4.5			
FM (30°-60°)	4315.1	23.1			
FH (60°-80°)	4138.3	22.2			G2/5000
FVH (80°-90°)	39.9	0.2			G1/100
BL (0°-30°)	832.2	4.5	B2/1000		
BM (30°-60°)	4315.1	23.1	B3/5000		
BH (60°-80°)	4138.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	39.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1953.4	1953.4	1953.4	1953.4	1953.4	1953.4	1953.4	1953.4	1953.4	1953.4	1953.4
2.5°	1940.5	1939.2	1945.6	1949.5	1948.2	1957.3	1956.0	1953.4	1953.4	1949.5	1959.8
5°	1940.5	1939.2	1944.3	1945.6	1943.1	1950.8	1948.2	1945.6	1945.6	1940.5	1949.5
7.5°	1930.1	1931.4	1935.3	1937.9	1935.3	1941.8	1937.9	1932.7	1931.4	1926.3	1935.3
10°	1910.8	1912.1	1915.9	1922.4	1923.7	1935.3	1928.9	1919.8	1915.9	1910.8	1919.8
12.5°	1899.2	1900.5	1904.3	1912.1	1914.7	1930.1	1923.7	1909.5	1903.0	1897.9	1906.9
15°	1896.6	1897.9	1903.0	1910.8	1914.7	1930.1	1923.7	1906.9	1897.9	1891.4	1899.2
17.5°	1896.6	1899.2	1906.9	1918.5	1926.3	1941.8	1934.0	1914.7	1901.7	1890.1	1897.9
20°	1897.9	1901.7	1913.4	1930.1	1949.5	1971.5	1961.1	1935.3	1917.2	1903.0	1908.2
22.5°	1909.5	1915.9	1930.1	1952.1	1980.5	2006.3	1997.3	1962.4	1936.6	1917.2	1922.4
25°	1949.5	1952.1	1970.2	1998.6	2025.7	2047.6	2038.6	2006.3	1974.0	1950.8	1957.3
27.5°	2020.5	2027.0	2042.5	2072.2	2095.4	2107.0	2105.7	2083.8	2051.5	2030.8	2036.0
30°	2105.7	2112.2	2132.8	2166.4	2189.6	2202.6	2198.7	2181.9	2152.2	2123.8	2129.0
32.5°	2205.1	2207.7	2232.3	2269.7	2294.2	2313.6	2300.7	2282.6	2245.2	2211.6	2214.2
35°	2331.7	2335.5	2361.4	2396.2	2415.6	2431.1	2428.5	2410.4	2370.4	2334.2	2343.3
37.5°	2490.5	2493.1	2516.3	2560.2	2575.7	2587.3	2589.9	2580.8	2539.5	2493.1	2502.1
40°	2688.0	2689.3	2715.1	2753.8	2770.6	2778.4	2779.7	2781.0	2738.4	2703.5	2700.9
42.5°	2917.8	2924.3	2960.4	2997.9	3005.6	3001.7	3014.6	3027.6	2986.2	2938.5	2942.3
45°	3192.8	3196.7	3245.7	3287.1	3272.9	3259.9	3284.5	3310.3	3272.9	3210.9	3192.8
47.5°	3518.2	3525.9	3578.8	3620.2	3596.9	3573.7	3613.7	3640.8	3580.1	3514.3	3497.5
50°	3886.1	3891.3	3966.2	4017.8	3990.7	3948.1	3998.4	4026.8	3945.5	3864.2	3828.0
52.5°	4321.2	4310.9	4410.3	4500.7	4483.9	4428.4	4469.7	4474.8	4353.5	4238.6	4202.4
55°	4851.8	4841.5	4940.9	5040.3	5081.6	5067.4	5048.1	5017.1	4837.6	4715.0	4681.4
57.5°	5470.3	5438.0	5577.4	5711.7	5802.1	5827.9	5745.2	5672.9	5530.9	5379.9	5341.1
60°	6044.8	6043.5	6264.3	6496.6	6744.5	6847.8	6638.7	6442.4	6123.5	5848.5	5793.0
62.5°	6206.2	6233.3	6594.8	7170.6	7782.6	8147.9	7596.6	6947.2	6331.4	5917.0	5843.4
65°	5808.5	5875.6	6389.5	7298.4	8506.8	9400.3	8155.7	6958.9	6100.3	5583.9	5506.4
67.5°	4281.2	4415.4	5095.8	6585.7	8444.9	9721.7	8056.3	6314.6	5298.5	4684.0	4576.8
70°	2112.2	2240.0	2779.7	4332.8	6948.5	8690.2	6970.5	4758.9	3578.8	2987.5	2889.4
72.5°	777.2	828.9	1040.6	1854.0	3834.5	6419.2	4766.6	2658.3	1733.9	1380.2	1314.3
75°	380.9	389.9	422.2	622.3	1415.0	3021.1	2240.0	1019.9	637.8	555.2	537.1
77.5°	242.7	246.6	262.1	296.9	454.5	951.5	679.1	402.8	312.4	299.5	299.5
80°	135.6	139.4	160.1	184.6	213.0	326.6	244.0	241.4	205.3	179.5	175.6
82.5°	64.6	71.0	102.0	100.7	112.3	164.0	143.3	130.4	131.7	99.4	94.2
85°	29.7	29.7	40.0	47.8	50.4	55.5	65.8	74.9	73.6	50.4	54.2
87.5°	14.2	14.2	14.2	12.9	11.6	10.3	14.2	23.2	33.6	23.2	21.9
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)