

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: P639500

Luminaire Tested: GWS-SA5C-722-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639500
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-SA5C-722-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18164.5 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

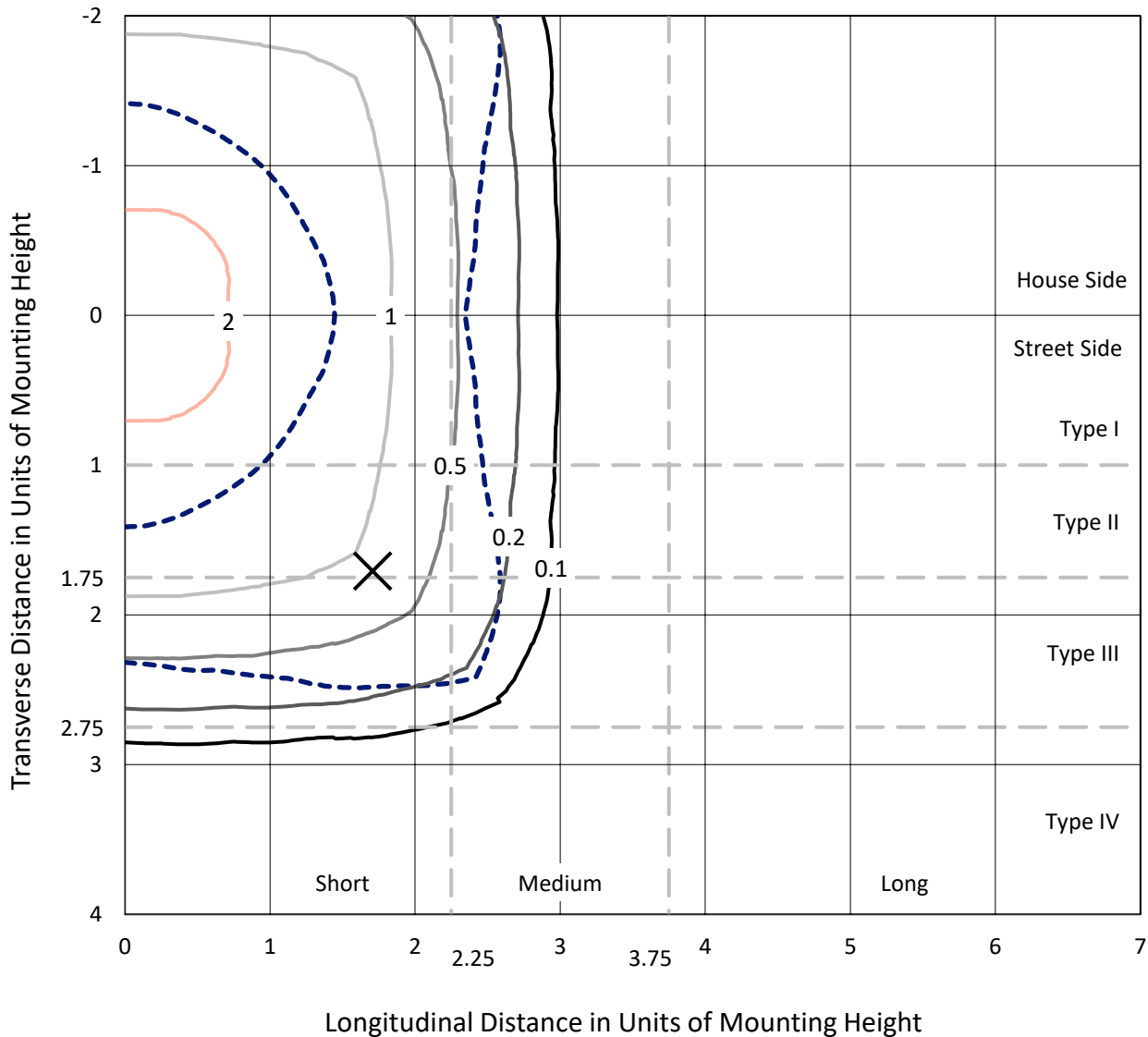
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

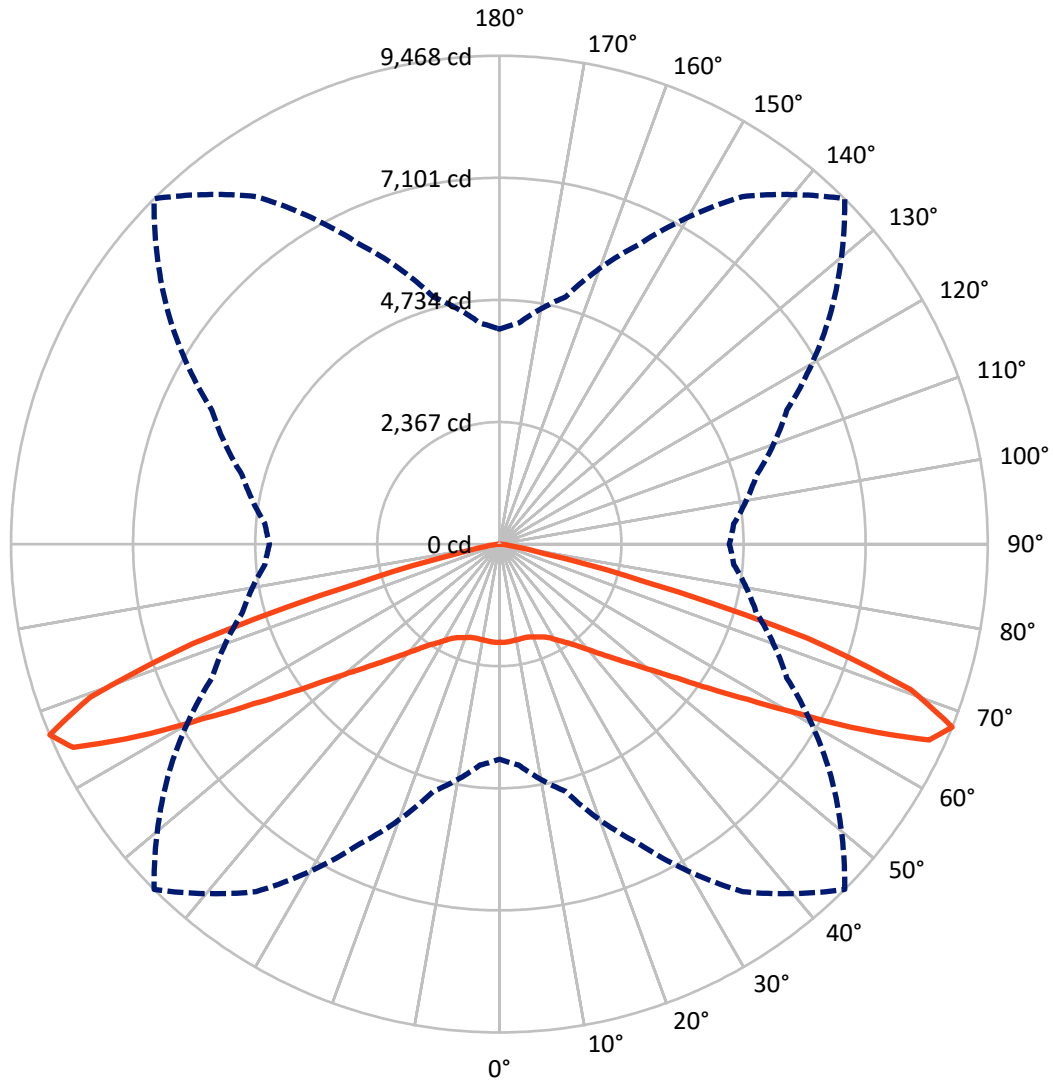
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	9082.3	0.0	9082.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9082.3	0.0	9082.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	18164.5	0.0	18164.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	1.0
10°-20°	528.8	2.9
20°-30°	912.1	5.0
30°-40°	1483.1	8.2
40°-50°	2497.3	13.7
50°-60°	4424.7	24.4
60°-70°	6324.8	34.8
70°-80°	1735.9	9.6
80°-90°	77.8	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°	18164.5	100.0
0°-180°	18164.5	100.0

Coefficient of Utilization



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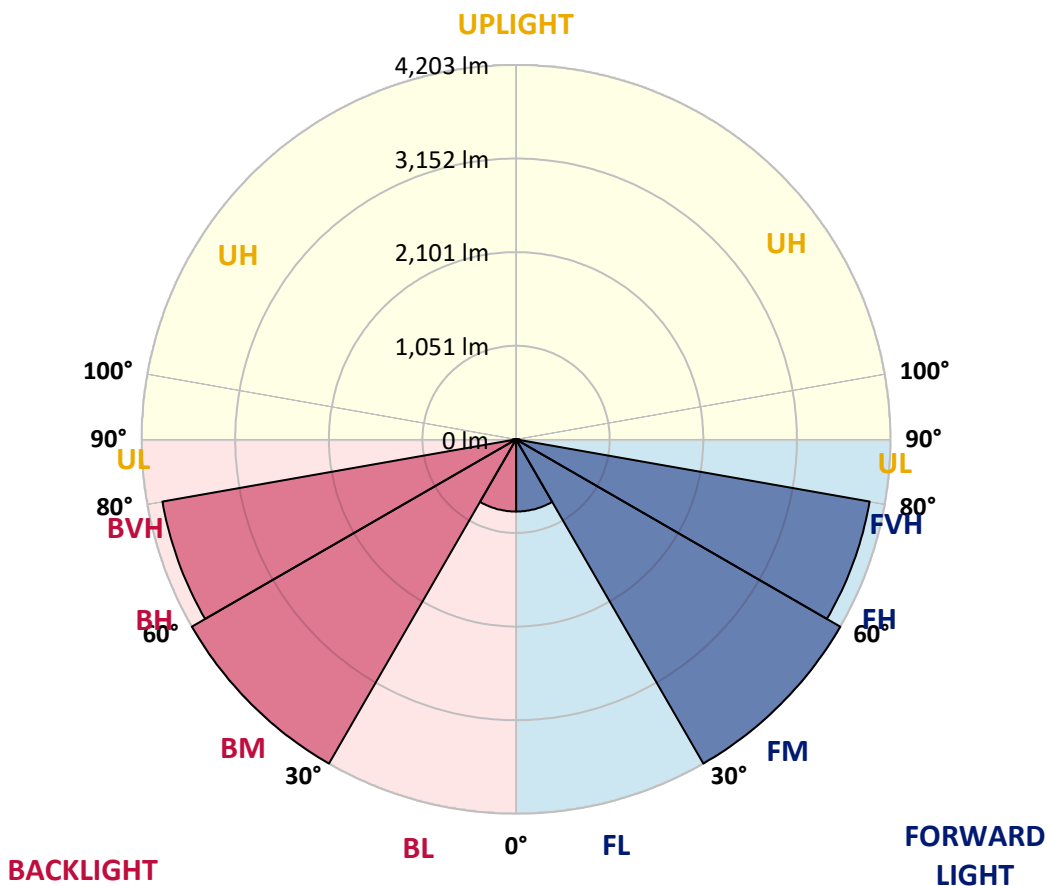
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	810.5	4.5			
FM (30°-60°)	4202.5	23.1			
FH (60°-80°)	4030.3	22.2			G2/5000
FVH (80°-90°)	38.9	0.2			G1/100
BL (0°-30°)	810.5	4.5	B2/1000		
BM (30°-60°)	4202.5	23.1	B3/5000		
BH (60°-80°)	4030.3	22.2	B4/5000		G2/5000
BVH (80°-90°)	38.9	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°	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4	1902.4
2.5°	1889.8	1888.6	1894.9	1898.6	1897.4	1906.2	1904.9	1902.4	1902.4	1898.6	1908.7
5°	1889.8	1888.6	1893.6	1894.9	1892.4	1899.9	1897.4	1894.9	1894.9	1889.8	1898.6
7.5°	1879.8	1881.0	1884.8	1887.3	1884.8	1891.1	1887.3	1882.3	1881.0	1876.0	1884.8
10°	1860.9	1862.2	1865.9	1872.2	1873.5	1884.8	1878.5	1869.7	1865.9	1860.9	1869.7
12.5°	1849.6	1850.9	1854.6	1862.2	1864.7	1879.8	1873.5	1859.7	1853.4	1848.3	1857.1
15°	1847.1	1848.3	1853.4	1860.9	1864.7	1879.8	1873.5	1857.1	1848.3	1842.1	1849.6
17.5°	1847.1	1849.6	1857.1	1868.5	1876.0	1891.1	1883.6	1864.7	1852.1	1840.8	1848.3
20°	1848.3	1852.1	1863.4	1879.8	1898.6	1920.0	1910.0	1884.8	1867.2	1853.4	1858.4
22.5°	1859.7	1865.9	1879.8	1901.2	1928.8	1954.0	1945.2	1911.2	1886.1	1867.2	1872.2
25°	1898.6	1901.2	1918.8	1946.4	1972.8	1994.2	1985.4	1954.0	1922.5	1899.9	1906.2
27.5°	1967.8	1974.1	1989.2	2018.1	2040.7	2052.0	2050.8	2029.4	1998.0	1977.9	1982.9
30°	2050.8	2057.1	2077.2	2109.9	2132.5	2145.1	2141.3	2125.0	2096.0	2068.4	2073.4
32.5°	2147.6	2150.1	2174.0	2210.5	2234.4	2253.2	2240.6	2223.0	2186.6	2153.9	2156.4
35°	2270.8	2274.6	2299.7	2333.7	2352.6	2367.6	2365.1	2347.5	2308.5	2273.3	2282.1
37.5°	2425.5	2428.0	2450.6	2493.4	2508.5	2519.8	2522.3	2513.5	2473.3	2428.0	2436.8
40°	2617.9	2619.1	2644.3	2682.0	2698.3	2705.9	2707.1	2708.4	2666.9	2632.9	2630.4
42.5°	2841.7	2848.0	2883.2	2919.6	2927.2	2923.4	2936.0	2948.5	2908.3	2861.8	2865.6
45°	3109.5	3113.3	3161.0	3201.3	3187.5	3174.9	3198.8	3223.9	3187.5	3127.1	3109.5
47.5°	3426.4	3433.9	3485.4	3525.7	3503.1	3480.4	3519.4	3545.8	3486.7	3422.6	3406.2
50°	3784.7	3789.7	3862.7	3913.0	3886.6	3845.1	3894.1	3921.8	3842.5	3763.3	3728.1
52.5°	4208.4	4198.4	4295.2	4383.2	4366.9	4312.8	4353.0	4358.1	4239.9	4128.0	4092.8
55°	4725.2	4715.2	4812.0	4908.8	4949.0	4935.2	4916.3	4886.2	4711.4	4591.9	4559.2
57.5°	5327.5	5296.1	5431.9	5562.6	5650.7	5675.8	5595.3	5524.9	5386.6	5239.5	5201.8
60°	5887.0	5885.8	6100.8	6327.1	6568.5	6669.1	6465.4	6274.3	5963.7	5695.9	5641.9
62.5°	6044.2	6070.6	6422.7	6983.5	7579.5	7935.3	7398.4	6765.9	6166.2	5762.6	5690.9
65°	5656.9	5722.3	6222.8	7108.0	8284.9	9155.0	7942.9	6777.3	5941.1	5438.2	5362.7
67.5°	4169.5	4300.2	4962.9	6413.9	8224.5	9468.0	7846.0	6149.8	5160.3	4561.8	4457.4
70°	2057.1	2181.5	2707.1	4219.8	6767.2	8463.4	6788.6	4634.7	3485.4	2909.6	2814.0
72.5°	756.9	807.2	1013.4	1805.6	3734.4	6251.7	4642.2	2588.9	1688.7	1344.1	1280.0
75°	370.9	379.7	411.2	606.1	1378.1	2942.3	2181.5	993.3	621.1	540.7	523.1
77.5°	236.4	240.2	255.2	289.2	442.6	926.7	661.4	392.3	304.3	291.7	291.7
80°	132.0	135.8	155.9	179.8	207.5	318.1	237.6	235.1	199.9	174.8	171.0
82.5°	62.9	69.2	99.3	98.1	109.4	159.7	139.6	127.0	128.3	96.8	91.8
85°	28.9	28.9	39.0	46.5	49.0	54.1	64.1	72.9	71.7	49.0	52.8
87.5°	13.8	13.8	13.8	12.6	11.3	10.1	13.8	22.6	32.7	22.6	21.4
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)