

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: P640001

Luminaire Tested: GWS-SA5D-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22433.4 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

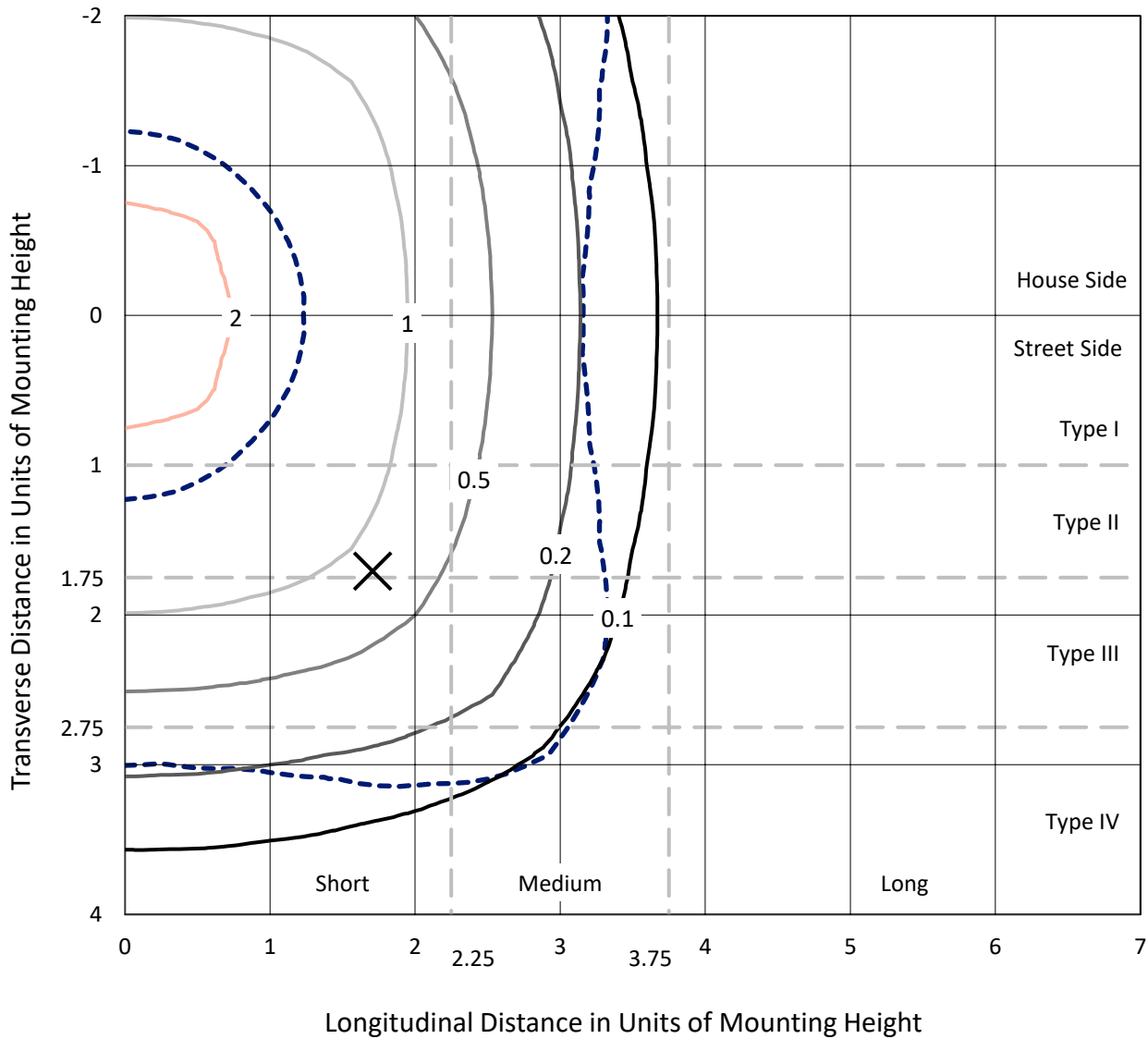
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

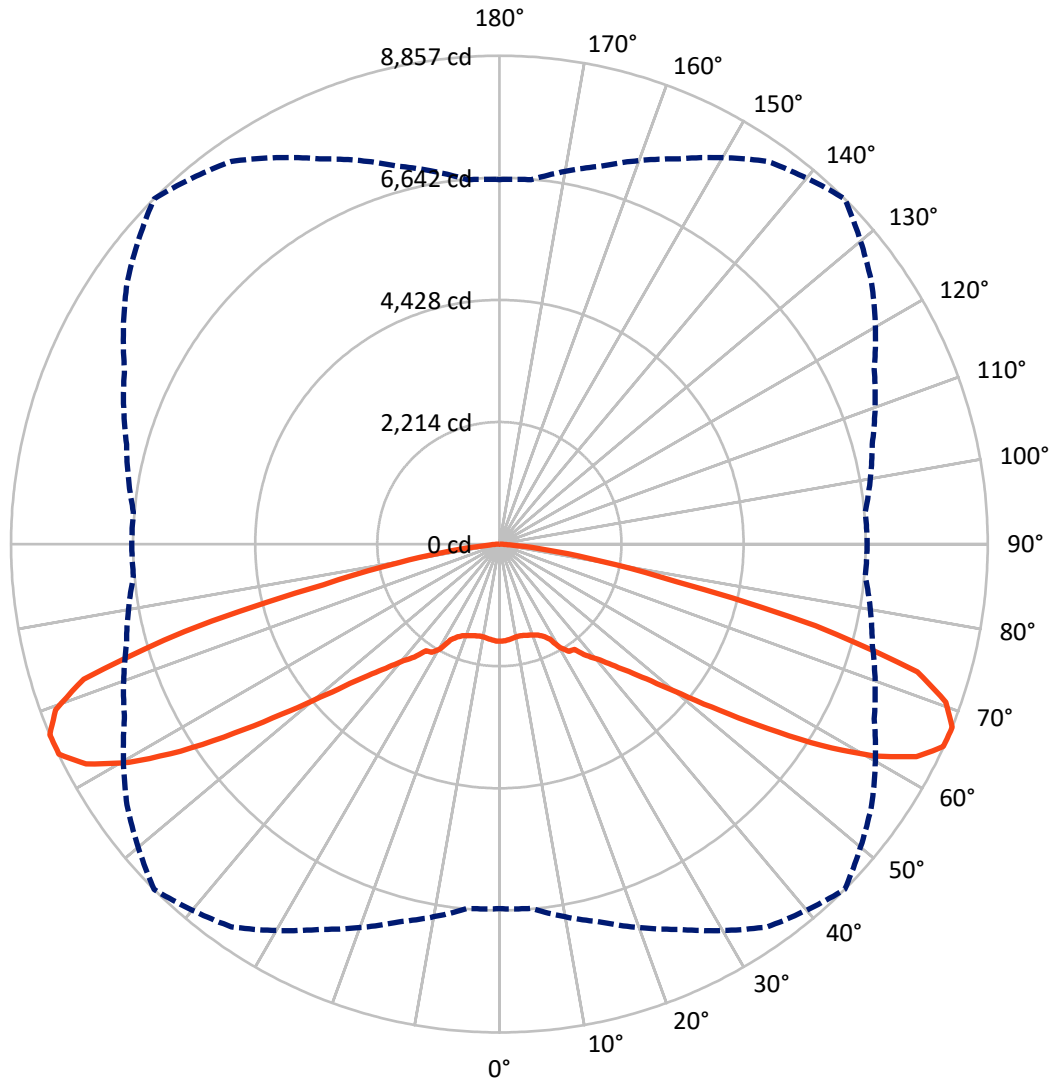
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	11216.7	0.0	11216.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11216.7	0.0	11216.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22433.4	0.0	22433.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	0.7
10°-20°	490.2	2.2
20°-30°	879.3	3.9
30°-40°	1485.4	6.6
40°-50°	2609.9	11.6
50°-60°	5034.5	22.4
60°-70°	7304.4	32.6
70°-80°	4179.3	18.6
80°-90°	285.2	1.3
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°	22433.4	100.0
0°-180°	22433.4	100.0

Coefficient of Utilization



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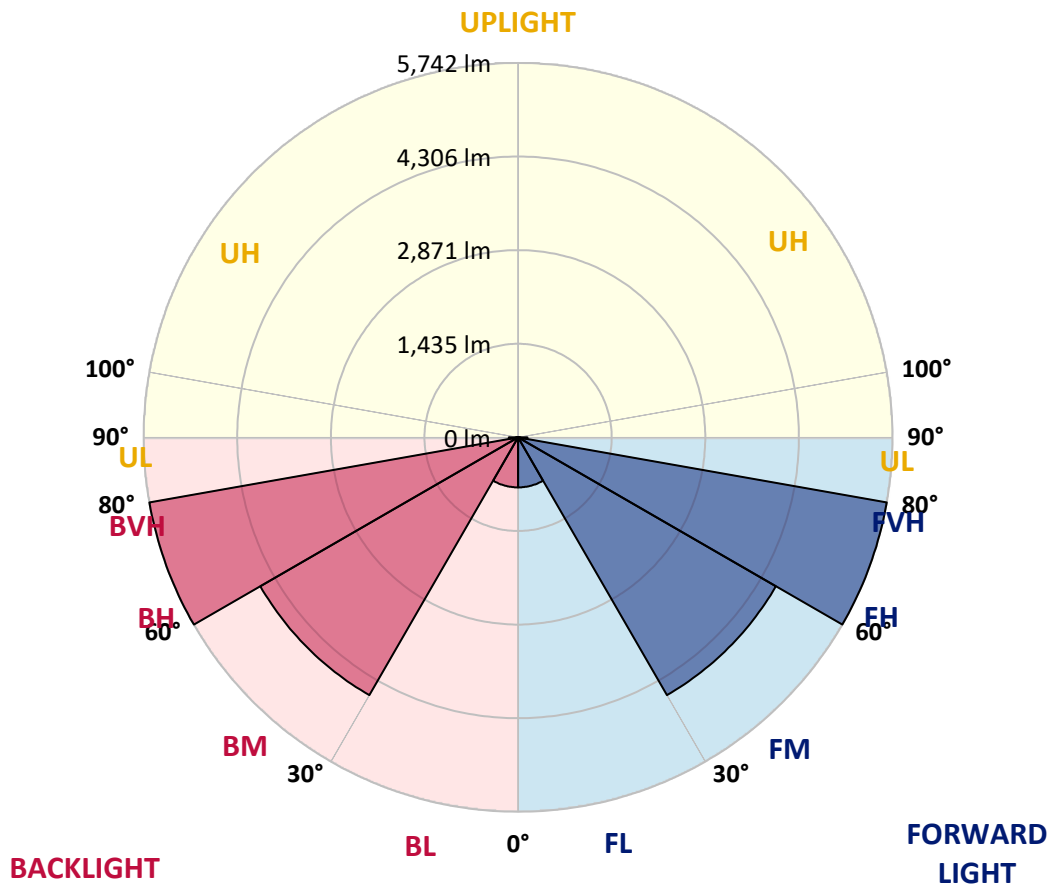
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	767.3	3.4			
FM (30°-60°)	4564.9	20.3			
FH (60°-80°)	5741.8	25.6			G3/7500
FVH (80°-90°)	142.6	0.6			G2/225
BL (0°-30°)	767.3	3.4	B2/1000		
BM (30°-60°)	4564.9	20.3	B3/5000		
BH (60°-80°)	5741.8	25.6	B5		G3/7500
BVH (80°-90°)	142.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1759.2	1759.2	1759.2	1759.2	1759.2	1759.2	1759.2	1759.2	1759.2	1759.2	1759.2
2.5°	1745.0	1746.5	1749.7	1749.7	1752.9	1757.7	1759.2	1756.1	1757.7	1749.7	1757.7
5°	1740.2	1741.8	1743.4	1740.2	1740.2	1741.8	1741.8	1738.6	1740.2	1732.3	1740.2
7.5°	1729.1	1730.7	1730.7	1725.9	1721.2	1724.3	1724.3	1721.2	1722.8	1714.8	1724.3
10°	1719.6	1719.6	1718.0	1708.5	1703.7	1708.5	1710.1	1711.6	1718.0	1711.6	1722.8
12.5°	1725.9	1725.9	1721.2	1708.5	1700.5	1703.7	1706.9	1710.1	1721.2	1719.6	1732.3
15°	1743.4	1745.0	1732.3	1718.0	1713.2	1718.0	1714.8	1713.2	1727.5	1732.3	1746.5
17.5°	1757.7	1757.7	1741.8	1727.5	1729.1	1737.0	1730.7	1722.8	1737.0	1746.5	1762.4
20°	1770.3	1768.8	1751.3	1741.8	1748.1	1759.2	1754.5	1743.4	1752.9	1764.0	1778.3
22.5°	1802.1	1800.5	1781.4	1776.7	1783.0	1794.1	1789.4	1779.9	1791.0	1806.8	1824.3
25°	1892.5	1889.3	1860.8	1844.9	1841.7	1849.7	1848.1	1844.9	1862.3	1881.4	1902.0
27.5°	2013.0	2011.5	1990.8	1975.0	1954.4	1948.0	1952.8	1967.0	1992.4	2006.7	2024.2
30°	2073.3	2073.3	2070.2	2095.5	2140.0	2182.8	2149.5	2095.5	2073.3	2067.0	2084.4
32.5°	2152.6	2160.6	2149.5	2178.0	2252.6	2316.0	2252.6	2165.3	2149.5	2149.5	2168.5
35°	2335.1	2338.2	2320.8	2316.0	2339.8	2347.8	2317.6	2285.9	2303.3	2306.5	2330.3
37.5°	2481.0	2481.0	2473.1	2485.8	2535.0	2565.1	2515.9	2458.8	2463.6	2466.7	2496.9
40°	2706.3	2712.6	2693.6	2692.0	2711.0	2738.0	2685.7	2649.2	2674.5	2682.5	2728.5
42.5°	2987.1	2987.1	2958.5	2950.6	2963.3	2991.8	2942.6	2918.8	2952.2	2958.5	2985.5
45°	3321.8	3329.7	3291.6	3277.4	3283.7	3293.2	3258.3	3247.2	3278.9	3293.2	3340.8
47.5°	3729.5	3737.4	3704.1	3702.5	3696.1	3702.5	3669.2	3662.8	3688.2	3677.1	3727.9
50°	4232.3	4246.6	4218.0	4257.7	4252.9	4272.0	4226.0	4192.7	4192.7	4162.5	4191.1
52.5°	4795.5	4824.0	4838.3	4904.9	4955.7	5003.3	4927.1	4874.8	4798.6	4736.8	4814.5
55°	5409.4	5401.4	5491.9	5637.8	5786.9	5899.5	5750.4	5585.5	5461.7	5333.2	5363.4
57.5°	5947.1	5974.1	6093.1	6359.6	6654.6	6892.6	6624.5	6307.2	6026.5	5842.4	5867.8
60°	6394.5	6416.7	6575.3	6959.2	7474.8	7803.1	7378.0	6854.5	6446.8	6193.0	6220.0
62.5°	6806.9	6827.6	6987.8	7411.3	8061.7	8490.0	7941.2	7225.7	6772.0	6516.6	6532.5
65°	7044.9	7057.6	7276.5	7722.2	8407.5	8850.1	8231.4	7493.8	7048.1	6787.9	6797.4
67.5°	6611.8	6632.4	7094.1	7709.5	8474.2	8856.5	8244.1	7501.7	7000.5	6661.0	6668.9
70°	5215.8	5198.4	5748.8	6806.9	8091.9	8590.0	7877.7	6938.6	6164.5	5690.2	5682.2
72.5°	3976.9	3981.7	4287.8	5012.8	6597.5	7926.9	6951.3	5587.0	4752.6	4392.5	4378.3
75°	2883.9	2928.4	3177.4	3708.8	4614.6	5924.9	5233.3	4140.3	3581.9	3366.2	3334.5
77.5°	1299.2	1356.3	1703.7	2328.7	3085.4	3274.2	3286.9	2811.0	2120.9	1762.4	1706.9
80°	379.1	406.1	521.9	893.1	1437.2	1857.6	1475.3	1240.5	772.5	606.0	577.4
82.5°	160.2	182.4	223.7	247.5	417.2	861.4	536.2	341.1	317.3	257.0	234.8
85°	68.2	73.0	93.6	99.9	134.8	184.0	169.7	153.9	147.5	114.2	104.7
87.5°	28.6	28.6	28.6	25.4	23.8	25.4	34.9	44.4	58.7	46.0	42.8
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)