

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: P633835

Luminaire Tested: GWS-SA2F-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633835
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-SA2F-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17185 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

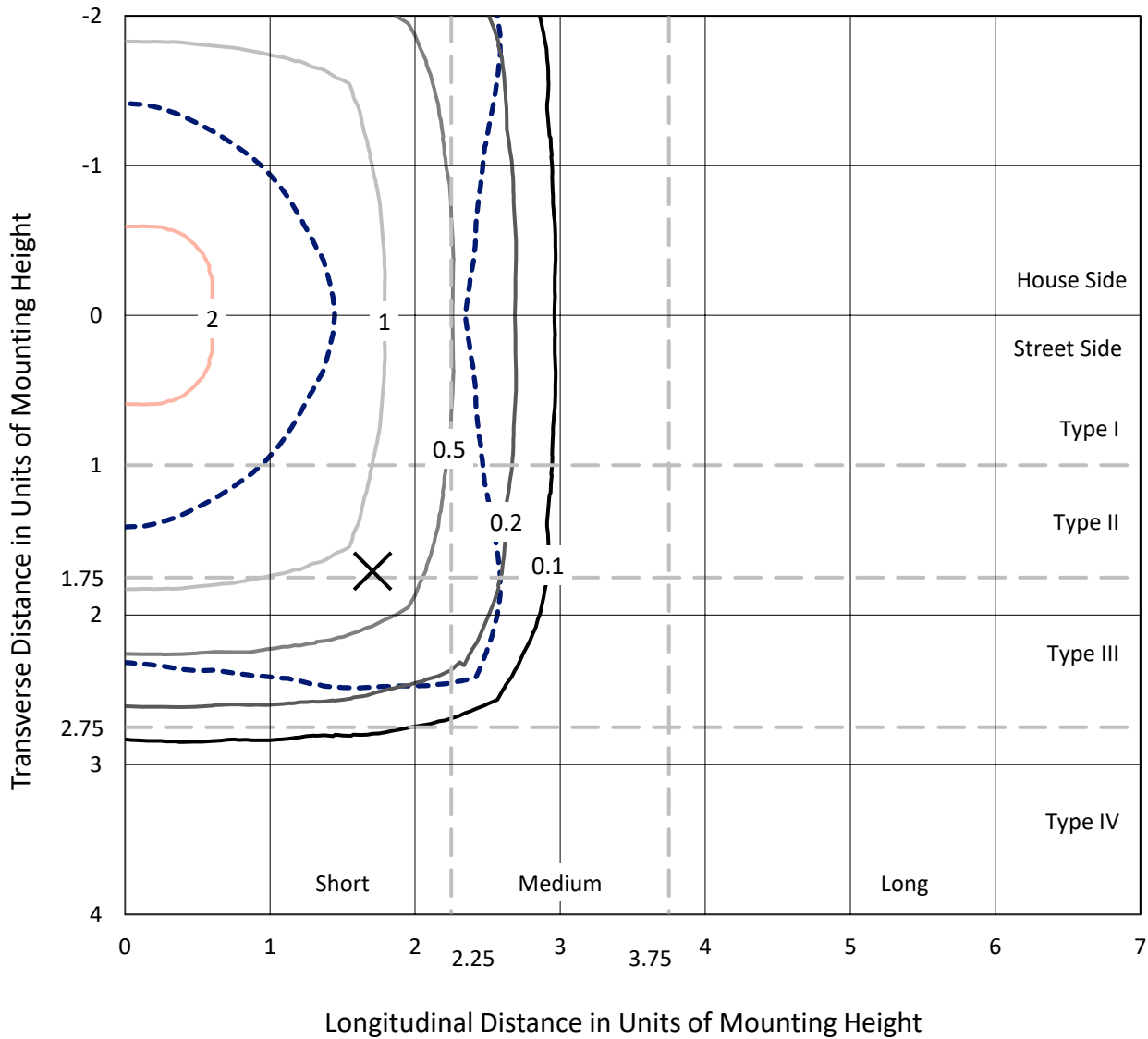
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

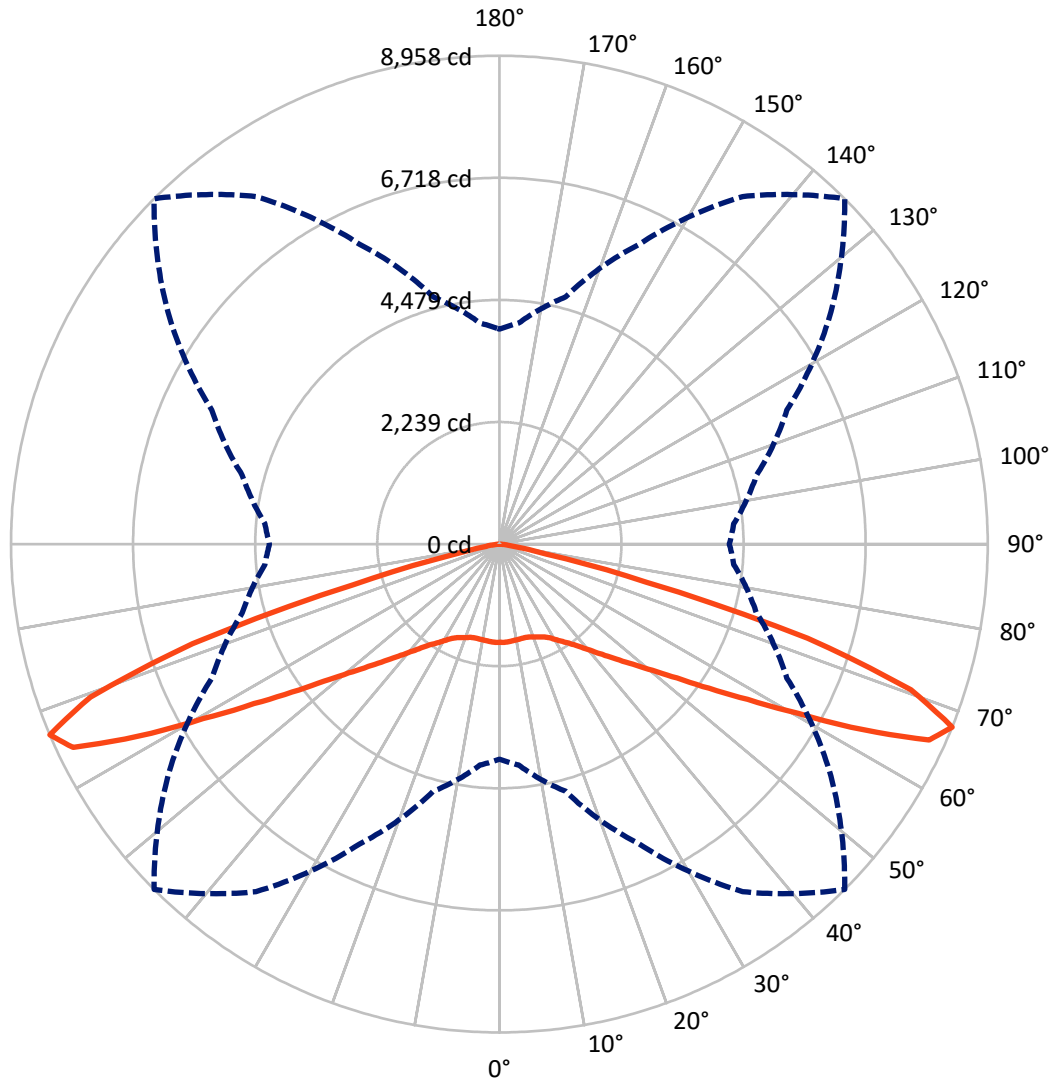
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	8592.5	0.0	8592.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8592.5	0.0	8592.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17185.0	0.0	17185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	1.0
10°-20°	500.3	2.9
20°-30°	862.9	5.0
30°-40°	1403.1	8.2
40°-50°	2362.6	13.7
50°-60°	4186.1	24.4
60°-70°	5983.7	34.8
70°-80°	1642.3	9.6
80°-90°	73.6	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°	17185.0	100.0
0°-180°	17185.0	100.0

Coefficient of Utilization



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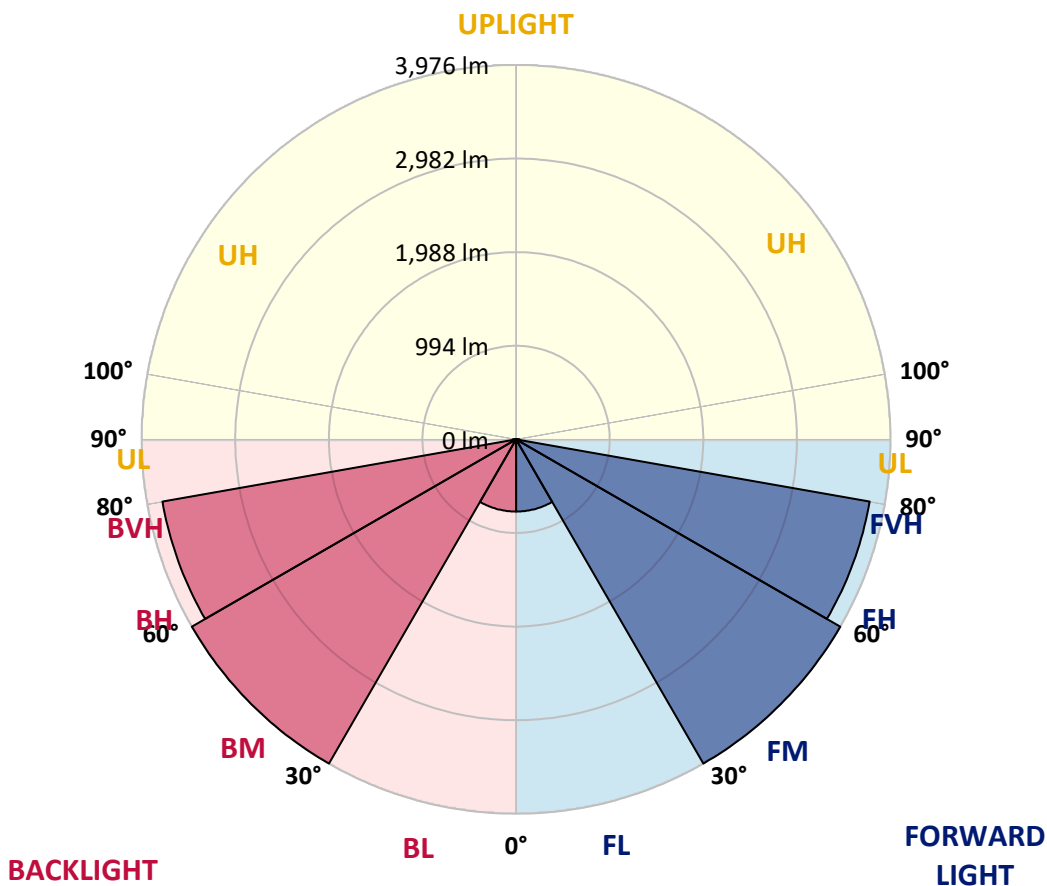
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.8	4.5			
FM (30°-60°)	3975.9	23.1			
FH (60°-80°)	3813.0	22.2			G2/5000
FVH (80°-90°)	36.8	0.2			G1/100
BL (0°-30°)	766.8	4.5	B2/1000		
BM (30°-60°)	3975.9	23.1	B3/5000		
BH (60°-80°)	3813.0	22.2	B4/5000		G2/5000
BVH (80°-90°)	36.8	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°	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8	1799.8
2.5°	1787.9	1786.7	1792.7	1796.3	1795.1	1803.4	1802.2	1799.8	1799.8	1796.3	1805.8
5°	1787.9	1786.7	1791.5	1792.7	1790.3	1797.4	1795.1	1792.7	1792.7	1787.9	1796.3
7.5°	1778.4	1779.6	1783.2	1785.6	1783.2	1789.1	1785.6	1780.8	1779.6	1774.8	1783.2
10°	1760.6	1761.8	1765.3	1771.3	1772.5	1783.2	1777.2	1768.9	1765.3	1760.6	1768.9
12.5°	1749.9	1751.1	1754.6	1761.8	1764.1	1778.4	1772.5	1759.4	1753.4	1748.7	1757.0
15°	1747.5	1748.7	1753.4	1760.6	1764.1	1778.4	1772.5	1757.0	1748.7	1742.7	1749.9
17.5°	1747.5	1749.9	1757.0	1767.7	1774.8	1789.1	1782.0	1764.1	1752.2	1741.5	1748.7
20°	1748.7	1752.2	1762.9	1778.4	1796.3	1816.5	1807.0	1783.2	1766.5	1753.4	1758.2
22.5°	1759.4	1765.3	1778.4	1798.6	1824.8	1848.6	1840.3	1808.2	1784.4	1766.5	1771.3
25°	1796.3	1798.6	1815.3	1841.5	1866.4	1886.7	1878.3	1848.6	1818.9	1797.4	1803.4
27.5°	1861.7	1867.6	1881.9	1909.3	1930.7	1941.4	1940.2	1920.0	1890.2	1871.2	1876.0
30°	1940.2	1946.1	1965.2	1996.1	2017.5	2029.4	2025.8	2010.4	1983.0	1956.8	1961.6
32.5°	2031.8	2034.2	2056.8	2091.3	2113.9	2131.7	2119.8	2103.2	2068.7	2037.7	2040.1
35°	2148.4	2151.9	2175.7	2207.8	2225.7	2240.0	2237.6	2220.9	2184.1	2150.8	2159.1
37.5°	2294.7	2297.1	2318.5	2358.9	2373.2	2383.9	2386.3	2378.0	2339.9	2297.1	2305.4
40°	2476.7	2477.9	2501.7	2537.4	2552.8	2560.0	2561.2	2562.3	2523.1	2491.0	2488.6
42.5°	2688.4	2694.4	2727.7	2762.2	2769.3	2765.8	2777.7	2789.6	2751.5	2707.5	2711.0
45°	2941.8	2945.4	2990.6	3028.7	3015.6	3003.7	3026.3	3050.1	3015.6	2958.5	2941.8
47.5°	3241.6	3248.7	3297.5	3335.6	3314.2	3292.7	3329.6	3354.6	3298.7	3238.0	3222.6
50°	3580.6	3585.4	3654.4	3702.0	3677.0	3637.7	3684.1	3710.3	3635.3	3560.4	3527.1
52.5°	3981.5	3972.0	4063.6	4146.9	4131.4	4080.2	4118.3	4123.1	4011.2	3905.4	3872.1
55°	4470.4	4460.9	4552.5	4644.1	4682.2	4669.1	4651.2	4622.7	4457.3	4344.3	4313.4
57.5°	5040.2	5010.5	5139.0	5262.7	5345.9	5369.7	5293.6	5227.0	5096.1	4957.0	4921.3
60°	5569.6	5568.4	5771.8	5985.9	6214.3	6309.5	6116.8	5936.0	5642.2	5388.8	5337.6
62.5°	5718.3	5743.3	6076.3	6606.9	7170.8	7507.4	6999.5	6401.1	5833.7	5451.8	5384.0
65°	5351.9	5413.8	5887.2	6724.7	7838.1	8661.3	7514.5	6411.8	5620.7	5144.9	5073.5
67.5°	3944.6	4068.3	4695.2	6068.0	7781.0	8957.5	7422.9	5818.2	4882.0	4315.8	4217.0
70°	1946.1	2063.9	2561.2	3992.2	6402.3	8007.0	6422.5	4384.8	3297.5	2752.7	2662.3
72.5°	716.1	763.7	958.8	1708.2	3533.0	5914.6	4391.9	2449.3	1597.6	1271.7	1211.0
75°	350.9	359.3	389.0	573.4	1303.8	2783.6	2063.9	939.8	587.6	511.5	494.9
77.5°	223.6	227.2	241.5	273.6	418.7	876.7	625.7	371.1	287.9	276.0	276.0
80°	124.9	128.5	147.5	170.1	196.3	301.0	224.8	222.5	189.1	165.4	161.8
82.5°	59.5	65.4	94.0	92.8	103.5	151.1	132.0	120.1	121.3	91.6	86.8
85°	27.4	27.4	36.9	44.0	46.4	51.2	60.7	69.0	67.8	46.4	50.0
87.5°	13.1	13.1	13.1	11.9	10.7	9.5	13.1	21.4	30.9	21.4	20.2
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)