

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: P633890

Luminaire Tested: GWS-SA2F-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633890
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-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16949.5 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

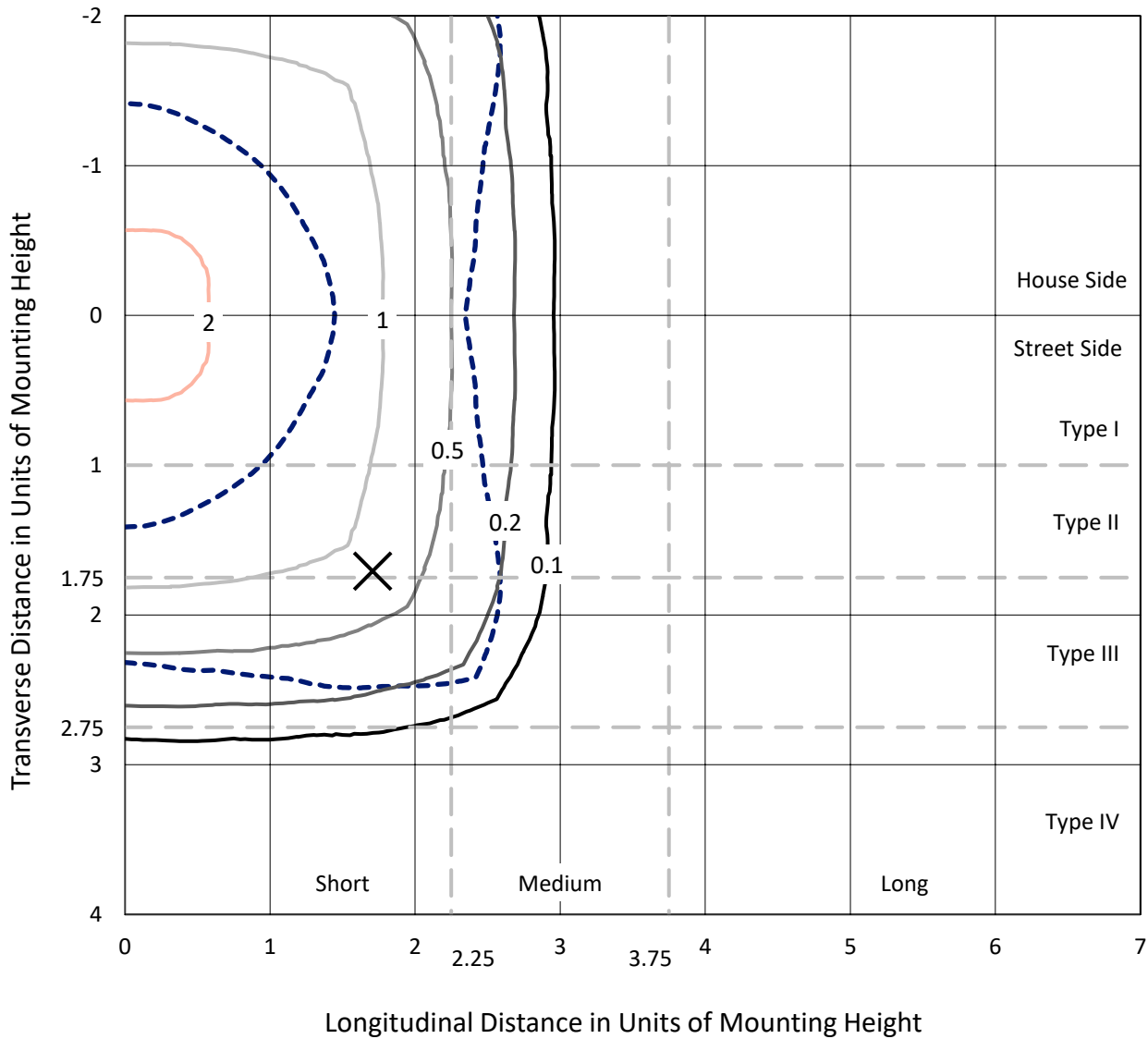
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

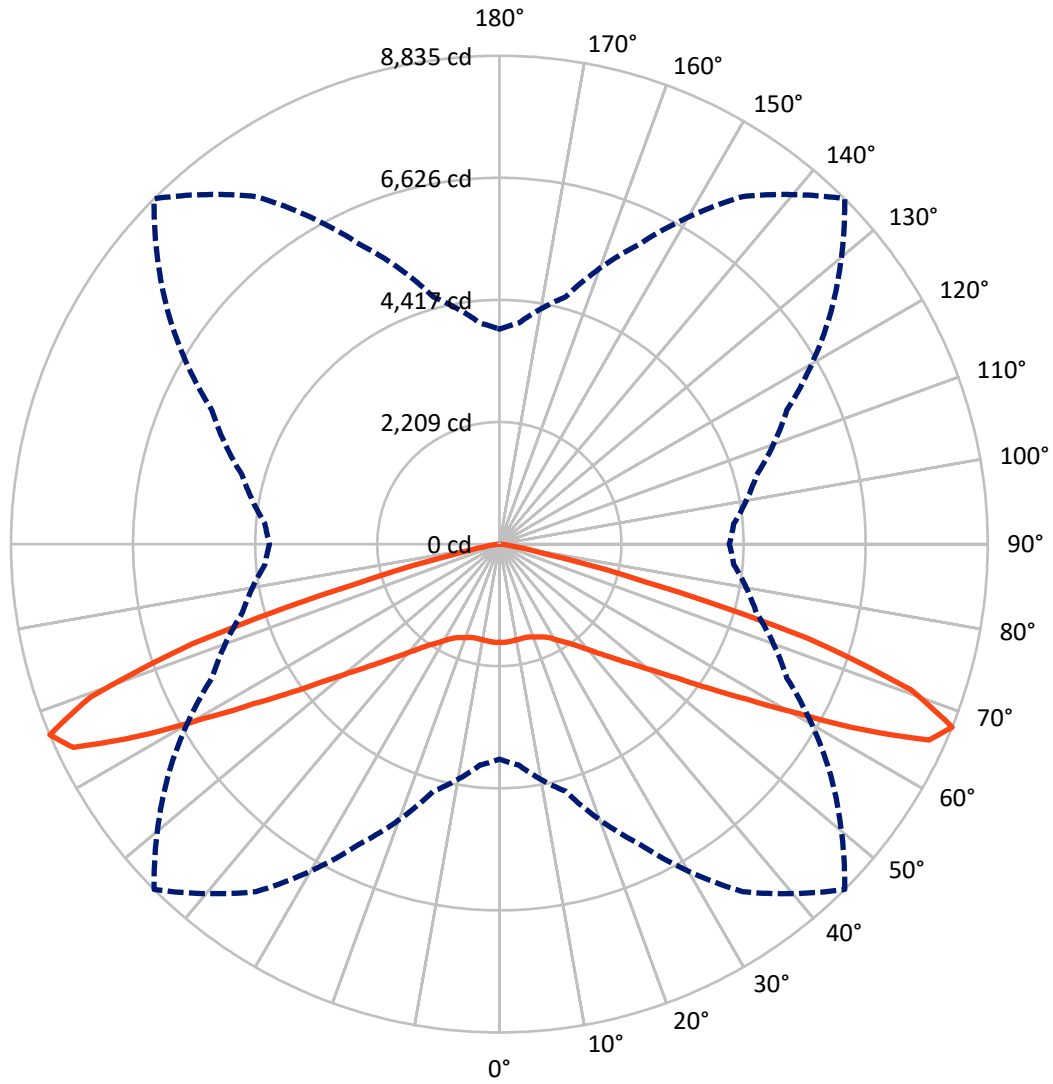
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	8474.8	0.0	8474.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8474.8	0.0	8474.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16949.5	0.0	16949.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	1.0
10°-20°	493.5	2.9
20°-30°	851.1	5.0
30°-40°	1383.9	8.2
40°-50°	2330.2	13.7
50°-60°	4128.7	24.4
60°-70°	5901.7	34.8
70°-80°	1619.8	9.6
80°-90°	72.6	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°	16949.5	100.0
0°-180°	16949.5	100.0

Coefficient of Utilization



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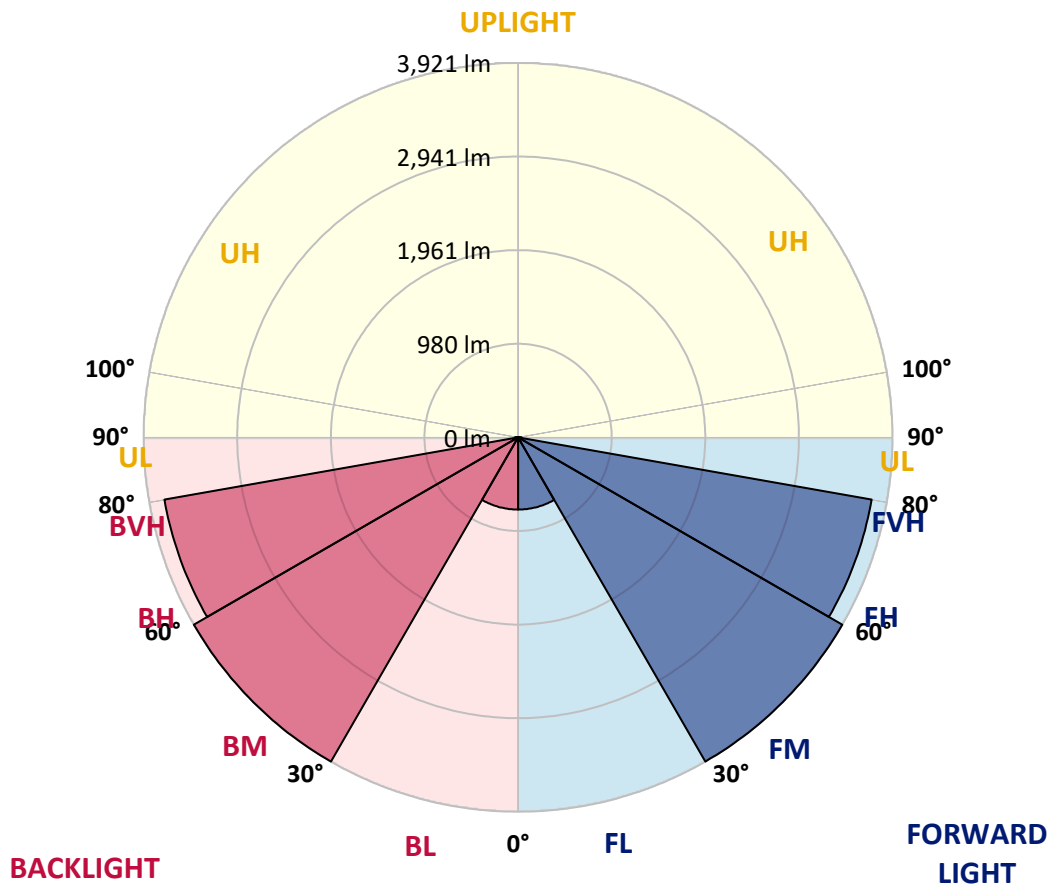
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.3	4.5			
FM (30°-60°)	3921.4	23.1			
FH (60°-80°)	3760.7	22.2			G2/5000
FVH (80°-90°)	36.3	0.2			G1/100
BL (0°-30°)	756.3	4.5	B2/1000		
BM (30°-60°)	3921.4	23.1	B3/5000		
BH (60°-80°)	3760.7	22.2	B4/5000		G2/5000
BVH (80°-90°)	36.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1775.2	1775.2	1775.2	1775.2	1775.2	1775.2	1775.2	1775.2	1775.2	1775.2	1775.2
2.5°	1763.4	1762.3	1768.1	1771.6	1770.5	1778.7	1777.5	1775.2	1775.2	1771.6	1781.0
5°	1763.4	1762.3	1766.9	1768.1	1765.8	1772.8	1770.5	1768.1	1768.1	1763.4	1771.6
7.5°	1754.0	1755.2	1758.7	1761.1	1758.7	1764.6	1761.1	1756.4	1755.2	1750.5	1758.7
10°	1736.4	1737.6	1741.1	1747.0	1748.2	1758.7	1752.9	1744.7	1741.1	1736.4	1744.7
12.5°	1725.9	1727.1	1730.6	1737.6	1740.0	1754.0	1748.2	1735.3	1729.4	1724.7	1732.9
15°	1723.5	1724.7	1729.4	1736.4	1740.0	1754.0	1748.2	1732.9	1724.7	1718.8	1725.9
17.5°	1723.5	1725.9	1732.9	1743.5	1750.5	1764.6	1757.6	1740.0	1728.2	1717.7	1724.7
20°	1724.7	1728.2	1738.8	1754.0	1771.6	1791.6	1782.2	1758.7	1742.3	1729.4	1734.1
22.5°	1735.3	1741.1	1754.0	1774.0	1799.8	1823.3	1815.1	1783.4	1759.9	1742.3	1747.0
25°	1771.6	1774.0	1790.4	1816.2	1840.9	1860.8	1852.6	1823.3	1793.9	1772.8	1778.7
27.5°	1836.2	1842.0	1856.1	1883.1	1904.2	1914.8	1913.6	1893.7	1864.3	1845.6	1850.3
30°	1913.6	1919.5	1938.2	1968.8	1989.9	2001.6	1998.1	1982.8	1955.8	1930.0	1934.7
32.5°	2003.9	2006.3	2028.6	2062.6	2084.9	2102.5	2090.8	2074.3	2040.3	2009.8	2012.2
35°	2118.9	2122.5	2145.9	2177.6	2195.2	2209.3	2206.9	2190.5	2154.1	2121.3	2129.5
37.5°	2263.2	2265.6	2286.7	2326.6	2340.7	2351.2	2353.6	2345.4	2307.8	2265.6	2273.8
40°	2442.8	2443.9	2467.4	2502.6	2517.8	2524.9	2526.1	2527.2	2488.5	2456.8	2454.5
42.5°	2651.6	2657.5	2690.3	2724.3	2731.4	2727.9	2739.6	2751.3	2713.8	2670.4	2673.9
45°	2901.5	2905.0	2949.6	2987.2	2974.2	2962.5	2984.8	3008.3	2974.2	2917.9	2901.5
47.5°	3197.2	3204.2	3252.3	3289.9	3268.7	3247.6	3284.0	3308.6	3253.5	3193.6	3178.4
50°	3531.6	3536.2	3604.3	3651.2	3626.6	3587.9	3633.6	3659.4	3585.5	3511.6	3478.8
52.5°	3926.9	3917.6	4007.9	4090.0	4074.8	4024.3	4061.9	4066.6	3956.3	3851.9	3819.0
55°	4409.2	4399.8	4490.1	4580.5	4618.0	4605.1	4587.5	4559.3	4396.3	4284.8	4254.3
57.5°	4971.2	4941.8	5068.5	5190.6	5272.7	5296.2	5221.1	5155.4	5026.3	4889.0	4853.8
60°	5493.3	5492.1	5692.7	5903.9	6129.2	6223.0	6033.0	5854.6	5564.8	5314.9	5264.5
62.5°	5639.9	5664.6	5993.1	6516.4	7072.5	7404.5	6903.5	6313.4	5753.7	5377.1	5310.2
65°	5278.6	5339.6	5806.5	6632.5	7730.7	8542.6	7411.6	6323.9	5543.7	5074.4	5004.0
67.5°	3890.6	4012.6	4630.9	5984.9	7674.4	8834.7	7321.2	5738.5	4815.1	4256.6	4159.3
70°	1919.5	2035.6	2526.1	3937.5	6314.6	7897.3	6334.5	4324.7	3252.3	2715.0	2625.8
72.5°	706.3	753.2	945.7	1684.8	3484.6	5833.5	4331.7	2415.8	1575.7	1254.2	1194.4
75°	346.1	354.3	383.7	565.5	1285.9	2745.5	2035.6	926.9	579.6	504.5	488.1
77.5°	220.6	224.1	238.2	269.9	413.0	864.7	617.1	366.1	283.9	272.2	272.2
80°	123.2	126.7	145.5	167.8	193.6	296.8	221.7	219.4	186.6	163.1	159.6
82.5°	58.7	64.5	92.7	91.5	102.1	149.0	130.2	118.5	119.7	90.3	85.6
85°	27.0	27.0	36.4	43.4	45.8	50.5	59.8	68.0	66.9	45.8	49.3
87.5°	12.9	12.9	12.9	11.7	10.6	9.4	12.9	21.1	30.5	21.1	19.9
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)