

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: P633559

Luminaire Tested: GWS-SA2F-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2F-722-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

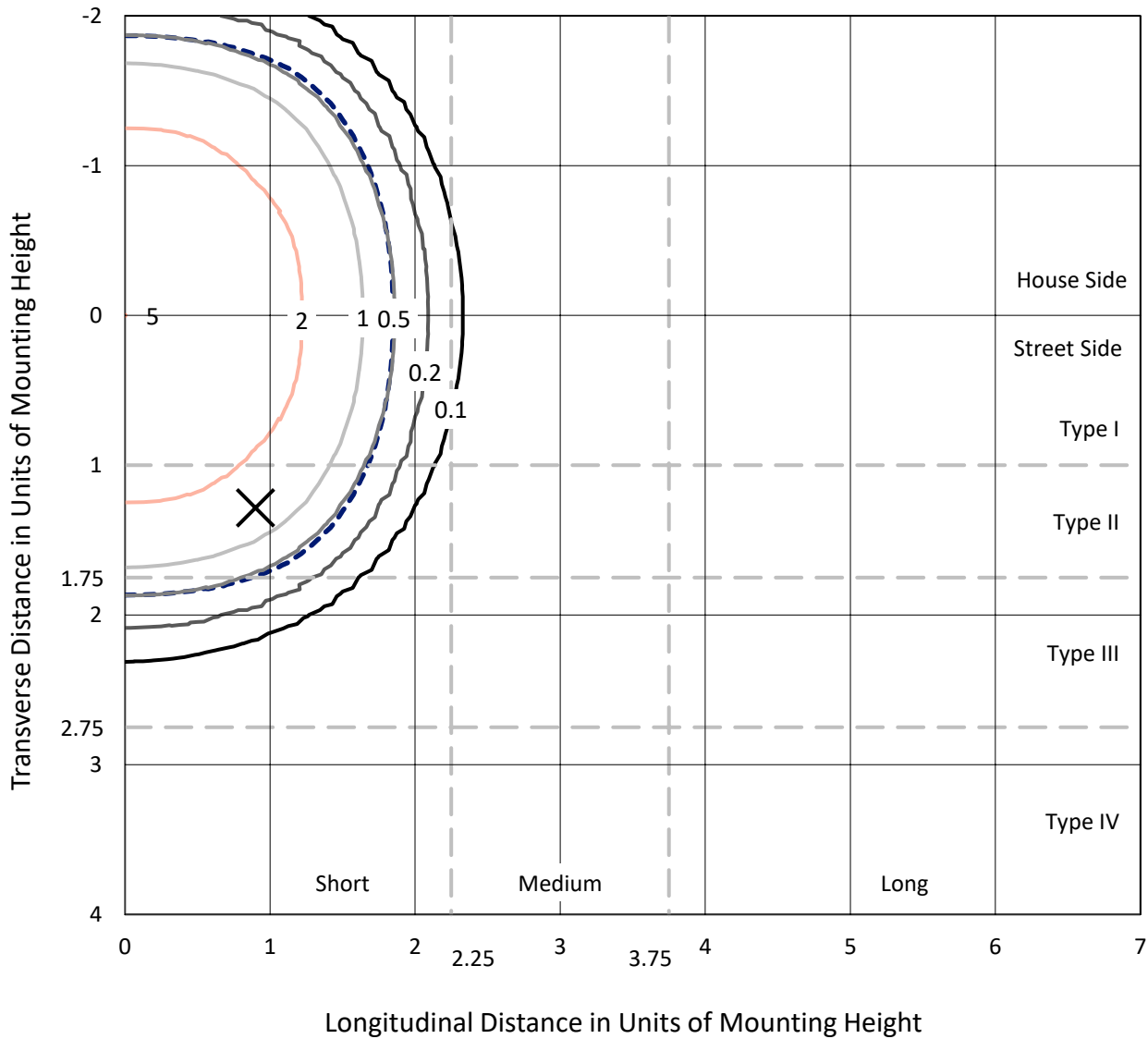
Lumens per Lamp: N/A  
Luminaire Lumens: 10462.8 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

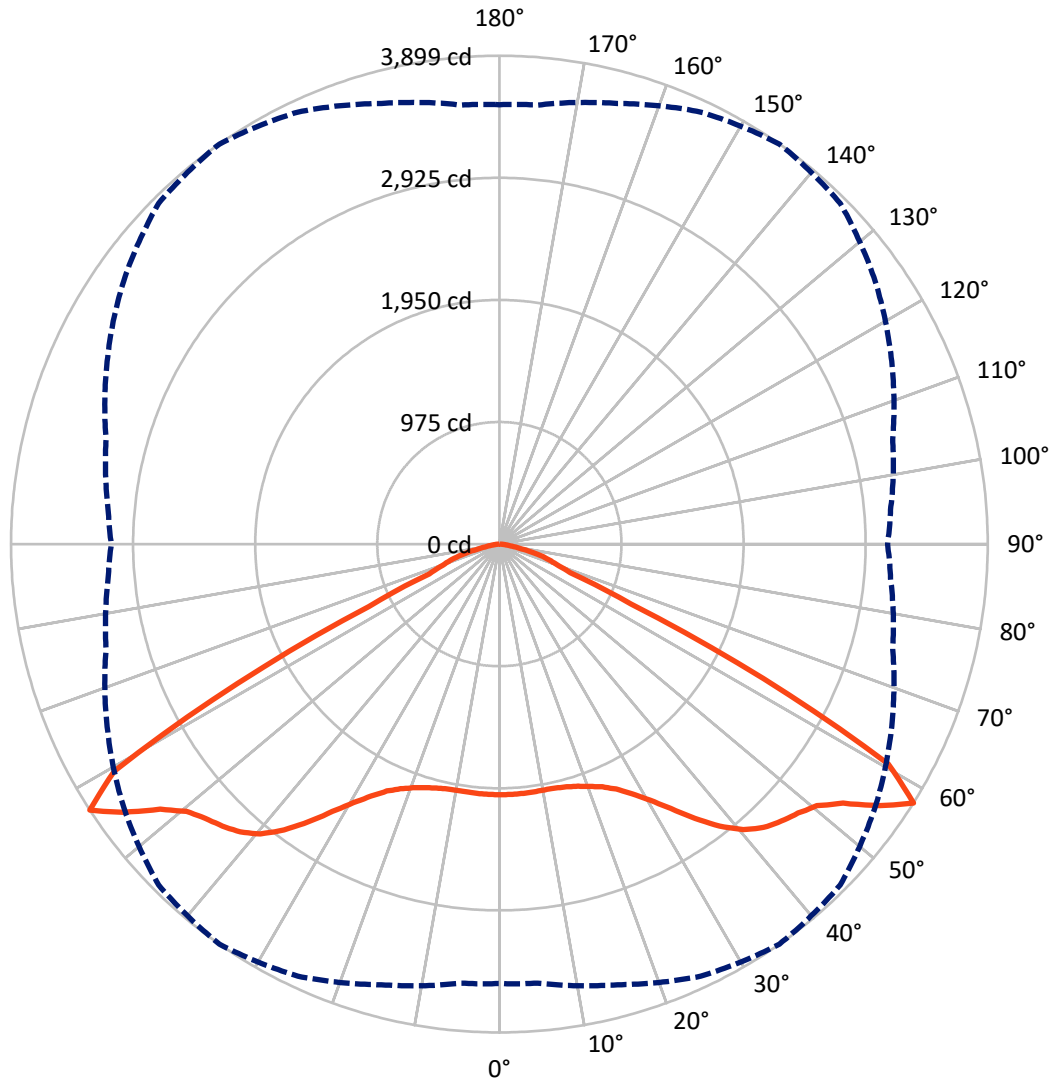
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5231.4	0.0	5231.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5231.4	0.0	5231.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10462.8	0.0	10462.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.4	1.8
10°-20°	568.2	5.4
20°-30°	991.4	9.5
30°-40°	1625.7	15.5
40°-50°	2394.3	22.9
50°-60°	3055.5	29.2
60°-70°	1287.7	12.3
70°-80°	307.6	2.9
80°-90°	41.9	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°	10462.8	100.0
0°-180°	10462.8	100.0

**Coefficient of Utilization**



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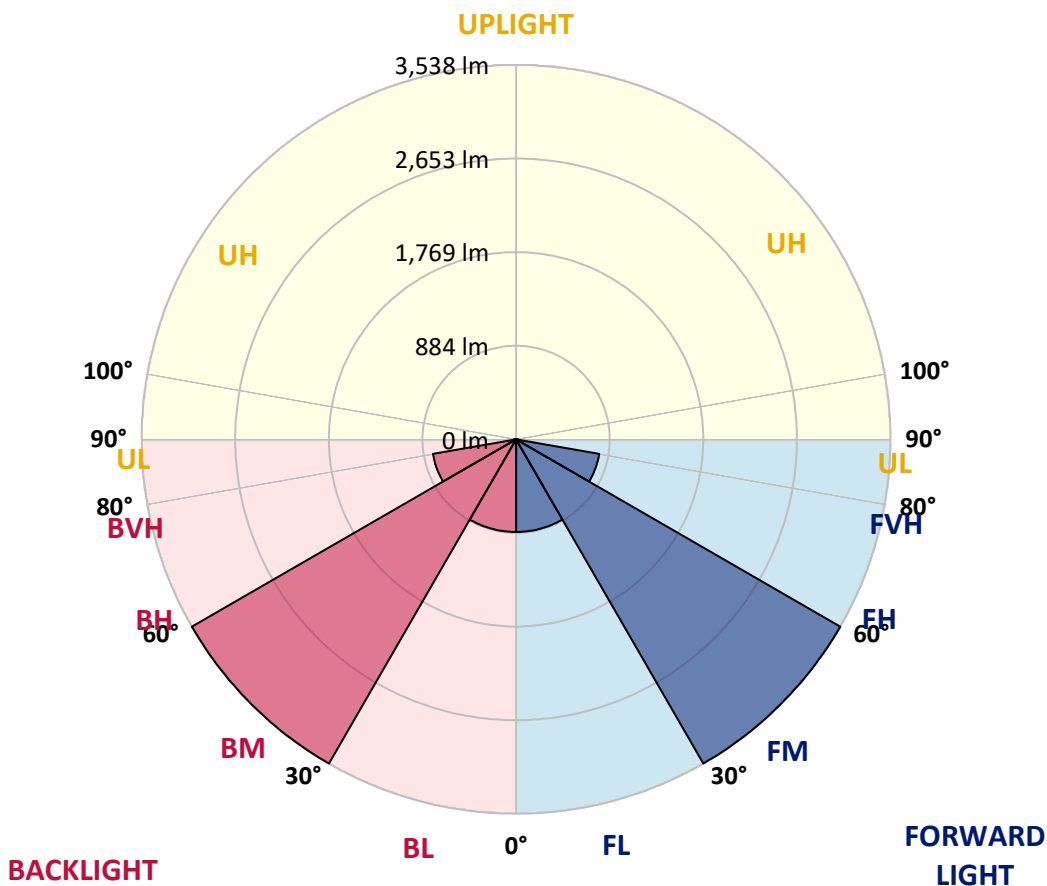
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	875.0	8.4			
FM (30°-60°)	3537.8	33.8			
FH (60°-80°)	797.7	7.6			G1/1800
FVH (80°-90°)	20.9	0.2			G1/100
BL (0°-30°)	875.0	8.4	B2/1000		
BM (30°-60°)	3537.8	33.8	B3/5000		
BH (60°-80°)	797.7	7.6	B2/1000		G1/1800
BVH (80°-90°)	20.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2001.9	2001.9	2001.9	2001.9	2001.9	2001.9	2001.9	2001.9	2001.9	2001.9	2001.9
2.5°	1989.9	1989.9	1994.2	1998.5	2000.2	2007.9	2007.1	2004.5	2002.8	1997.7	2004.5
5°	1994.2	1994.2	1997.7	2000.2	1999.4	2005.4	2002.8	1998.5	1995.9	1990.8	1998.5
7.5°	1993.4	1993.4	1995.9	1998.5	1996.8	2001.9	1997.7	1991.7	1987.4	1982.2	1989.1
10°	1982.2	1983.9	1986.5	1992.5	1995.1	2002.8	1996.8	1987.4	1980.5	1974.5	1981.4
12.5°	1980.5	1982.2	1985.7	1993.4	1997.7	2008.8	2001.1	1985.7	1975.4	1967.7	1974.5
15°	1988.2	1989.9	1995.1	2004.5	2011.4	2023.4	2012.2	1990.8	1976.2	1966.0	1972.0
17.5°	1997.7	2000.2	2007.9	2021.6	2032.8	2045.6	2031.9	2006.2	1985.7	1972.0	1977.1
20°	2007.9	2011.4	2023.4	2043.9	2064.5	2080.7	2063.6	2029.3	2004.5	1986.5	1991.7
22.5°	2025.9	2030.2	2045.6	2074.8	2105.6	2129.6	2108.2	2061.9	2029.3	2006.2	2010.5
25°	2062.8	2067.9	2087.6	2122.7	2166.4	2195.5	2165.6	2113.3	2067.9	2039.6	2043.9
27.5°	2127.9	2130.4	2156.1	2202.4	2256.4	2289.8	2253.8	2192.1	2141.6	2109.0	2112.4
30°	2213.5	2221.2	2246.9	2307.8	2372.0	2416.5	2369.4	2296.6	2238.4	2199.0	2202.4
32.5°	2318.0	2323.2	2361.7	2425.1	2517.6	2569.0	2504.8	2418.3	2348.0	2300.0	2303.5
35°	2455.1	2459.4	2496.2	2576.7	2689.0	2736.9	2663.3	2563.9	2482.5	2437.1	2450.0
37.5°	2618.7	2626.4	2653.0	2732.6	2857.7	2904.8	2820.0	2727.5	2642.7	2600.7	2610.1
40°	2794.3	2793.5	2814.9	2885.1	2999.1	3028.2	2951.9	2878.3	2805.5	2778.0	2793.5
42.5°	2945.1	2940.8	2956.2	3014.5	3093.3	3095.8	3045.3	3004.2	2952.8	2933.9	2948.5
45°	3050.4	3052.2	3075.3	3115.6	3155.8	3134.4	3119.0	3112.1	3071.9	3046.2	3048.7
47.5°	3133.5	3140.4	3177.2	3204.6	3209.8	3173.8	3195.2	3205.5	3172.1	3132.7	3121.5
50°	3207.2	3218.3	3266.3	3295.4	3284.3	3238.9	3280.9	3296.3	3222.6	3147.2	3125.0
52.5°	3340.8	3353.7	3411.9	3449.6	3436.8	3391.4	3430.8	3376.0	3251.8	3159.2	3131.0
55°	3554.1	3560.1	3631.2	3692.9	3686.9	3631.2	3599.5	3477.9	3327.1	3231.2	3204.6
57.5°	3508.7	3519.0	3642.4	3806.8	3899.4	3848.8	3662.9	3455.6	3250.9	3135.3	3099.3
60°	2760.9	2785.8	2939.1	3228.6	3567.9	3567.0	3221.8	2899.7	2653.0	2499.6	2484.2
62.5°	1612.2	1629.3	1768.9	2061.9	2366.0	2384.8	2142.4	1921.4	1705.5	1601.9	1552.2
65°	763.3	762.4	818.1	950.0	1155.6	1171.9	1099.1	978.3	850.6	815.5	806.1
67.5°	563.7	563.7	559.4	568.8	608.2	616.8	608.2	588.5	576.5	584.2	579.1
70°	489.1	490.0	484.9	482.3	482.3	479.7	483.1	490.8	496.0	506.3	501.1
72.5°	396.6	397.5	397.5	398.3	399.2	395.8	400.9	405.2	406.0	409.5	406.0
75°	281.8	283.5	288.7	293.0	296.4	296.4	298.1	299.0	295.5	299.8	293.0
77.5°	155.0	156.8	166.2	173.9	181.6	182.5	185.0	186.7	185.0	188.5	183.3
80°	85.7	87.4	91.7	95.1	101.1	106.2	109.6	111.4	111.4	113.9	111.4
82.5°	48.8	50.5	53.1	54.8	60.0	64.2	67.7	70.2	70.2	71.1	69.4
85°	23.1	23.1	24.8	26.6	29.1	30.8	35.1	37.7	37.7	39.4	37.7
87.5°	3.4	4.3	5.1	5.1	6.9	8.6	10.3	11.1	12.8	13.7	13.7
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)