

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: P639010

Luminaire Tested: GWS-SA5B-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-722-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

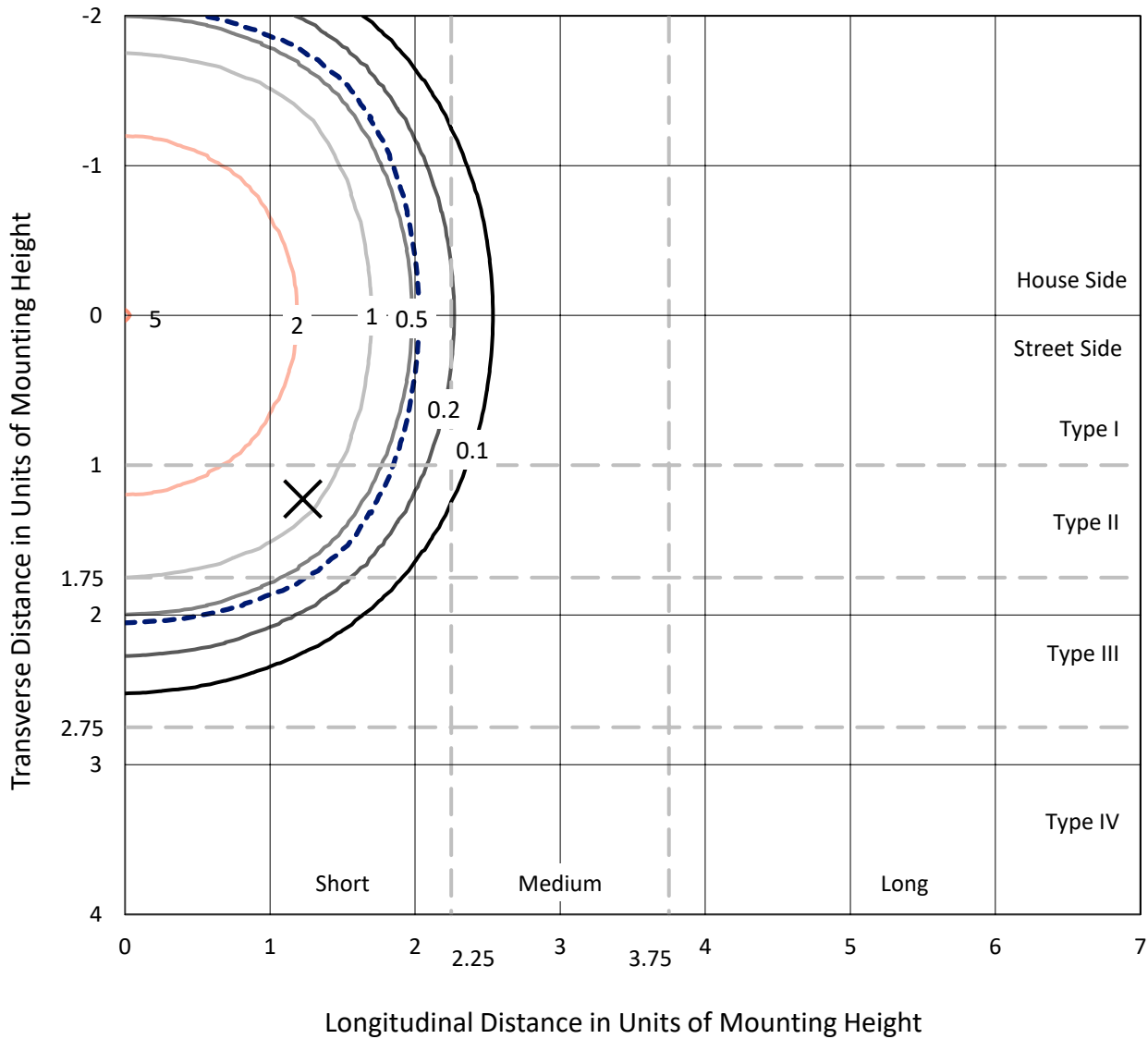
Lumens per Lamp: N/A  
Luminaire Lumens: 11045.7 lumens  
Efficiency: N/A  
Efficacy: 95.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

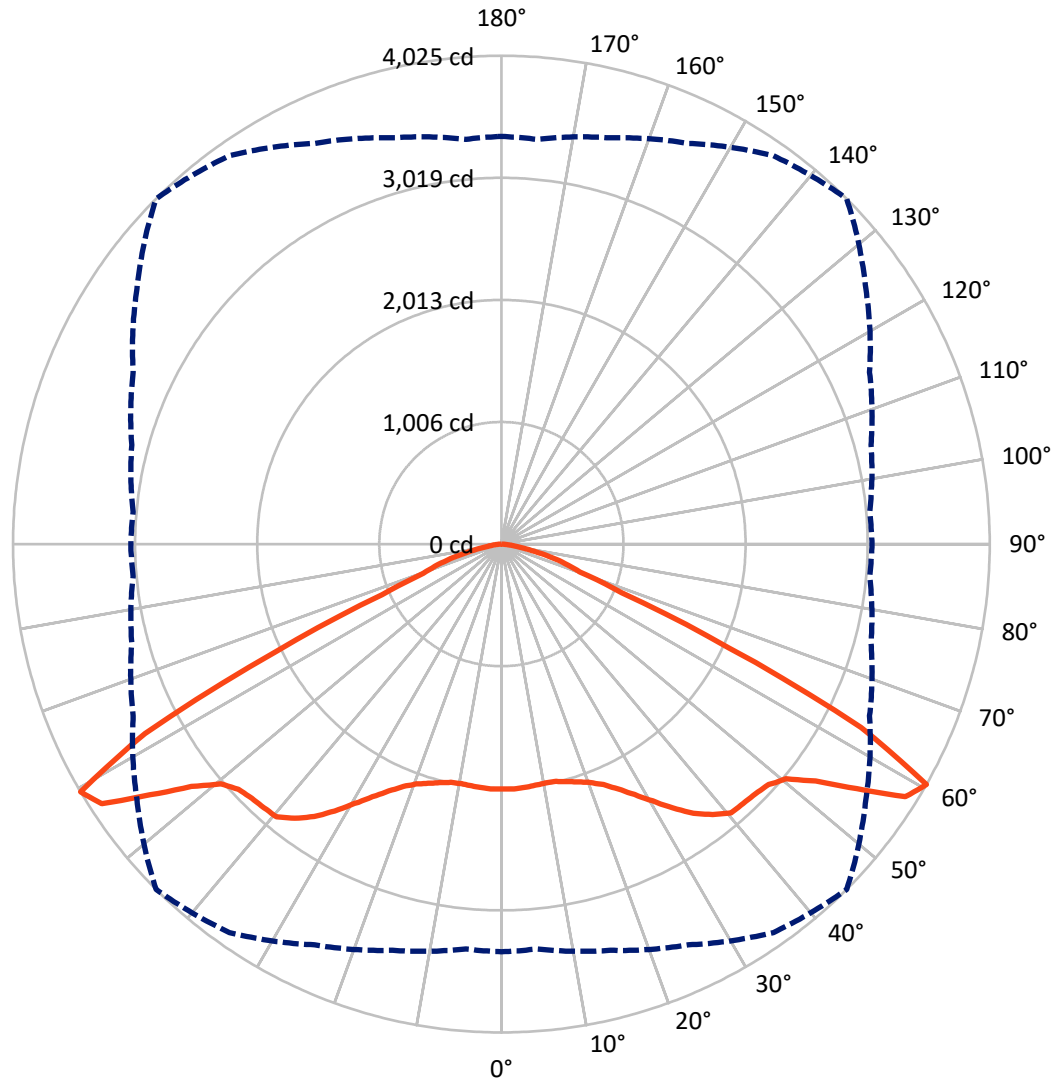
✕ Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5522.8	0.0	5522.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5522.8	0.0	5522.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11045.7	0.0	11045.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.4	1.7
10°-20°	575.8	5.2
20°-30°	1018.7	9.2
30°-40°	1640.1	14.8
40°-50°	2254.3	20.4
50°-60°	3004.1	27.2
60°-70°	1872.3	17.0
70°-80°	430.5	3.9
80°-90°	58.4	0.5
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°	11045.7	100.0
0°-180°	11045.7	100.0

**Coefficient of Utilization**



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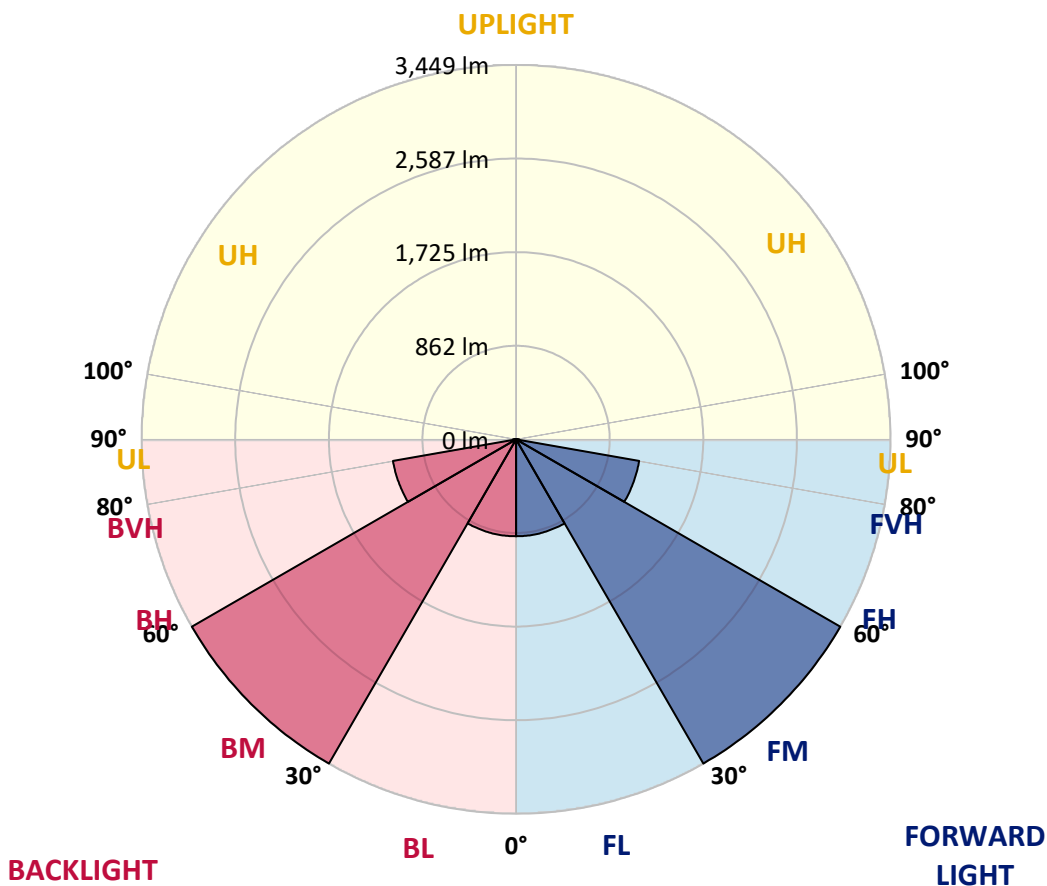
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	893.0	8.1			
FM (30°-60°)	3449.3	31.2			
FH (60°-80°)	1151.4	10.4			G1/1800
FVH (80°-90°)	29.2	0.3			G1/100
BL (0°-30°)	893.0	8.1	B2/1000		
BM (30°-60°)	3449.3	31.2	B3/5000		
BH (60°-80°)	1151.4	10.4	B3/2500		G1/1800
BVH (80°-90°)	29.2	0.3			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°	2018.6	2018.6	2018.6	2018.6	2018.6	2018.6	2018.6	2018.6	2018.6	2018.6	2018.6
2.5°	2004.5	2006.4	2010.1	2013.0	2016.7	2020.5	2022.3	2018.6	2016.7	2009.2	2017.6
5°	2006.4	2008.3	2011.1	2011.1	2012.0	2014.8	2014.8	2010.1	2005.5	1997.0	2006.4
7.5°	2003.6	2005.5	2006.4	2005.5	2006.4	2007.3	2005.5	1999.8	1995.1	1987.6	1995.1
10°	1998.9	2000.8	2002.6	2000.8	1998.9	2001.7	2001.7	1998.0	1995.1	1987.6	1996.1
12.5°	2009.2	2012.0	2013.0	2008.3	2006.4	2007.3	2007.3	2003.6	2003.6	1997.0	2006.4
15°	2033.6	2035.5	2032.6	2027.0	2028.0	2030.8	2024.2	2014.8	2013.0	2010.1	2017.6
17.5°	2052.3	2054.2	2051.4	2047.7	2054.2	2060.8	2048.6	2030.8	2025.1	2023.3	2031.7
20°	2073.0	2075.8	2072.0	2076.7	2089.8	2097.3	2082.3	2058.0	2046.7	2043.9	2054.2
22.5°	2106.7	2110.5	2110.5	2120.8	2140.5	2152.7	2133.9	2101.1	2084.2	2079.5	2089.8
25°	2160.2	2163.0	2165.8	2186.4	2218.3	2235.2	2205.2	2160.2	2136.7	2129.2	2134.8
27.5°	2234.2	2238.9	2243.6	2273.6	2313.0	2337.4	2294.2	2238.0	2208.9	2193.9	2205.2
30°	2322.4	2328.9	2340.2	2373.9	2429.2	2456.4	2401.1	2332.7	2299.9	2283.9	2298.9
32.5°	2442.4	2443.3	2451.7	2489.2	2562.4	2593.3	2523.9	2448.0	2414.2	2395.5	2403.9
35°	2584.9	2585.8	2572.7	2611.1	2689.9	2724.6	2643.0	2566.1	2538.0	2532.4	2553.9
37.5°	2731.1	2722.7	2709.6	2726.5	2806.1	2828.6	2742.4	2676.8	2664.6	2674.9	2706.8
40°	2835.2	2821.1	2794.9	2807.1	2887.7	2914.0	2822.1	2760.2	2756.5	2781.8	2820.2
42.5°	2902.7	2887.7	2856.8	2856.8	2912.1	2923.3	2852.1	2819.3	2827.7	2856.8	2893.3
45°	2935.5	2927.1	2909.3	2899.9	2930.8	2935.5	2881.1	2868.0	2884.0	2898.0	2926.2
47.5°	2960.8	2960.8	2955.2	2945.8	2959.9	2962.7	2922.4	2918.7	2939.3	2939.3	2958.0
50°	3005.8	3010.5	3018.0	3016.2	3031.2	3040.5	3010.5	3004.9	3013.3	2986.2	2995.5
52.5°	3124.0	3136.2	3157.7	3174.6	3213.0	3242.1	3188.7	3143.7	3099.6	3039.6	3041.5
55°	3335.9	3341.5	3383.7	3433.4	3498.1	3557.1	3447.4	3307.7	3212.1	3141.8	3142.7
57.5°	3514.9	3523.4	3585.3	3689.3	3834.7	3926.5	3683.7	3450.3	3315.2	3229.0	3231.8
60°	3360.2	3349.0	3466.2	3644.3	3907.8	4025.0	3666.8	3348.1	3154.0	3047.1	3054.6
62.5°	2599.9	2578.3	2708.6	2895.2	3211.2	3328.4	2998.3	2692.7	2508.9	2425.5	2413.3
65°	1582.6	1562.9	1656.7	1771.1	1984.8	2058.9	1908.0	1745.8	1585.4	1534.8	1520.7
67.5°	861.6	858.8	884.1	940.4	1034.1	1068.8	1039.8	962.9	921.6	886.0	886.0
70°	683.5	677.9	673.2	674.1	682.6	687.2	688.2	684.4	689.1	690.1	686.3
72.5°	566.3	564.4	555.0	556.0	552.2	550.4	556.9	560.7	568.2	569.1	569.1
75°	410.7	406.0	410.7	411.6	407.8	407.8	412.5	411.6	415.3	417.2	406.9
77.5°	233.5	233.5	240.0	247.5	253.1	253.1	257.8	257.8	262.5	261.6	259.7
80°	128.4	128.4	132.2	136.9	142.5	148.1	152.8	153.8	156.6	155.6	152.8
82.5°	73.1	74.1	75.9	78.8	84.4	89.1	93.8	94.7	97.5	97.5	94.7
85°	34.7	33.8	34.7	36.6	39.4	43.1	47.8	50.6	52.5	52.5	50.6
87.5°	6.6	7.5	6.6	7.5	8.4	11.3	13.1	15.0	17.8	18.8	16.9
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)