

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: P636755

Luminaire Tested: GWS-SA4B-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636755  
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-SA4B-740-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

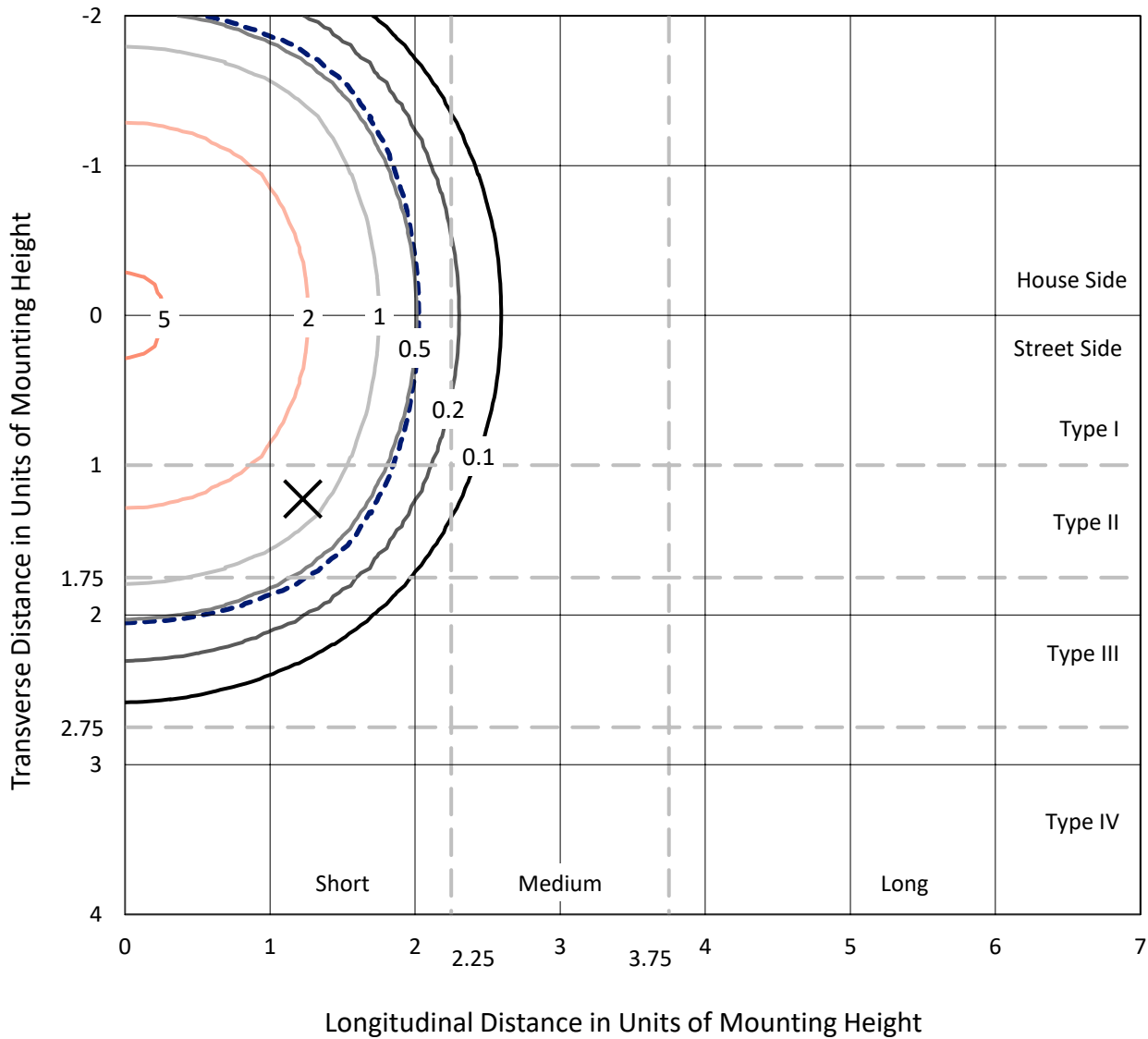
Lumens per Lamp: N/A  
Luminaire Lumens: 12224.2 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

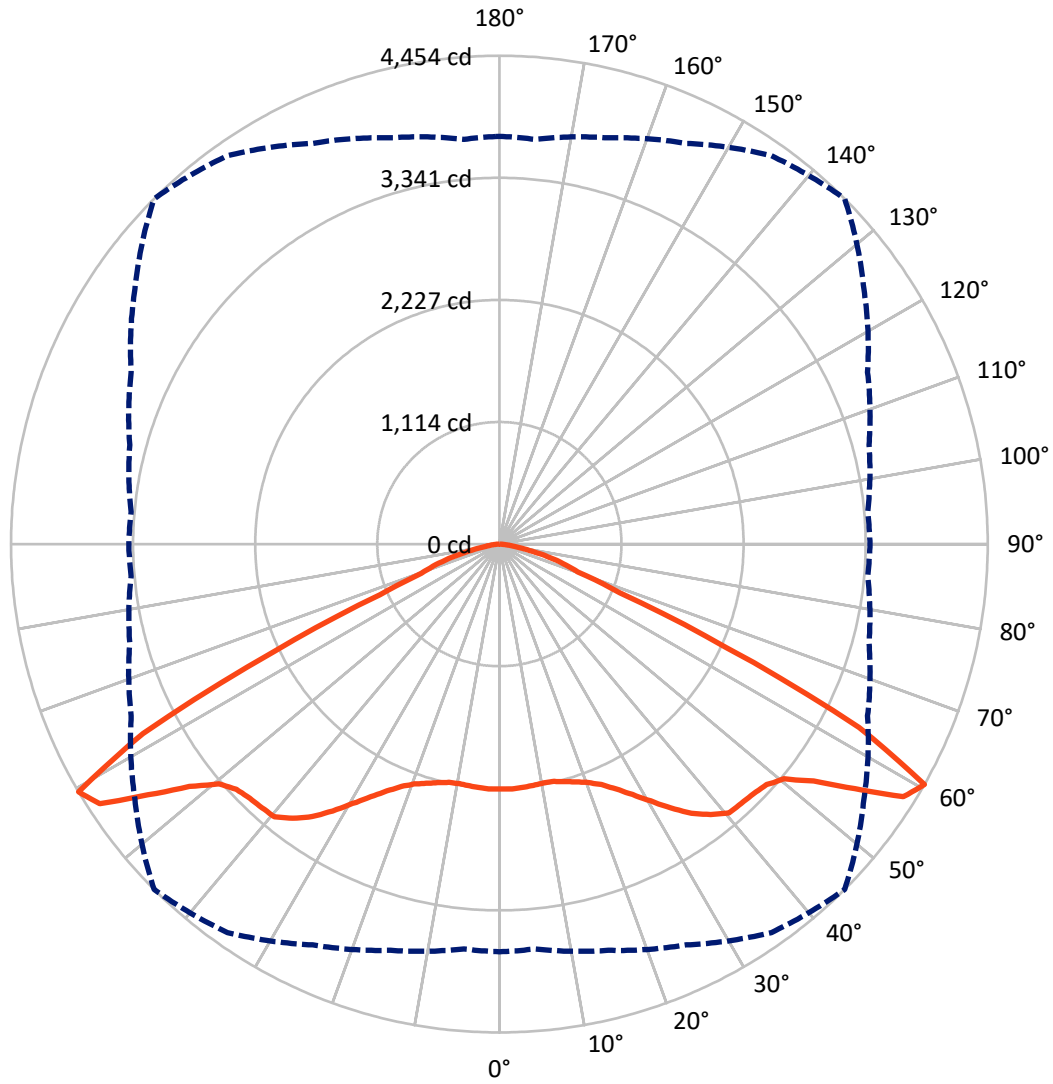
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	6112.1	0.0	6112.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6112.1	0.0	6112.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12224.2	0.0	12224.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.9	1.7
10°-20°	637.2	5.2
20°-30°	1127.4	9.2
30°-40°	1815.1	14.8
40°-50°	2494.8	20.4
50°-60°	3324.6	27.2
60°-70°	2072.1	17.0
70°-80°	476.5	3.9
80°-90°	64.6	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°	12224.2	100.0
0°-180°	12224.2	100.0

**Coefficient of Utilization**



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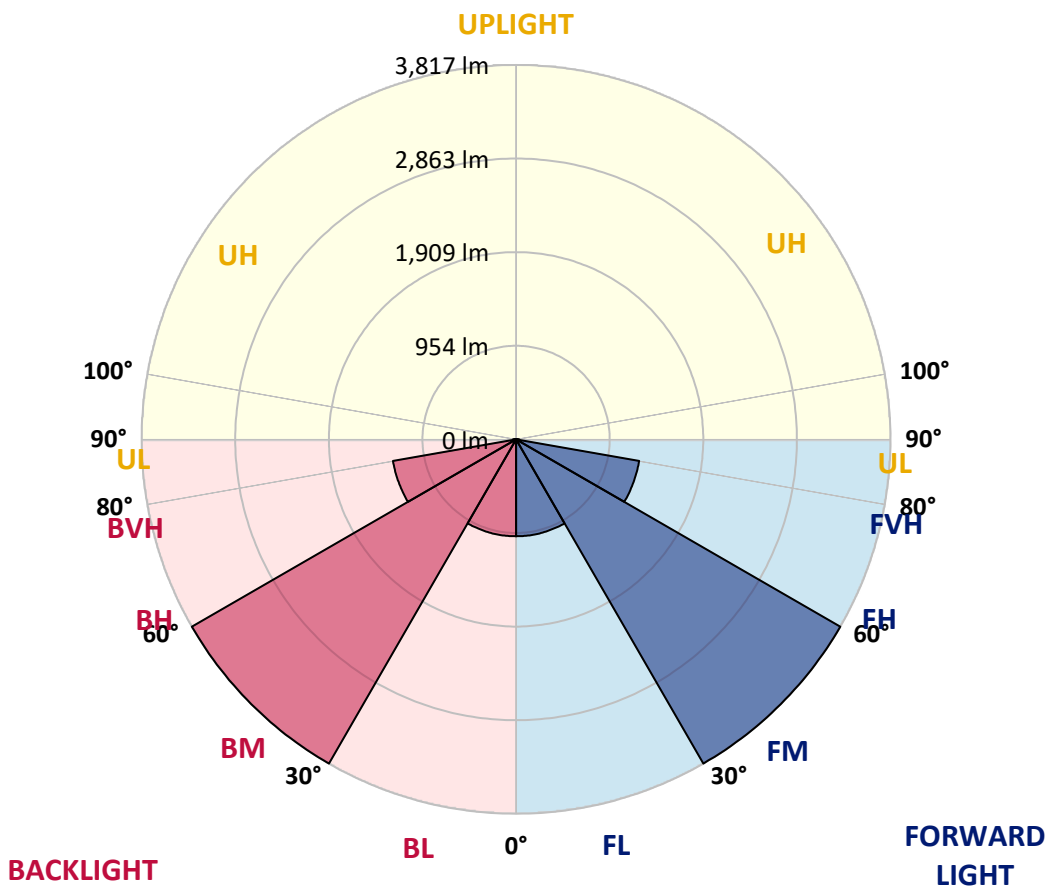
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	988.2	8.1			
FM (30°-60°)	3817.3	31.2			
FH (60°-80°)	1274.3	10.4			G1/1800
FVH (80°-90°)	32.3	0.3			G1/100
BL (0°-30°)	988.2	8.1	B2/1000		
BM (30°-60°)	3817.3	31.2	B3/5000		
BH (60°-80°)	1274.3	10.4	B3/2500		G1/1800
BVH (80°-90°)	32.3	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°	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0	2234.0
2.5°	2218.4	2220.5	2224.6	2227.7	2231.9	2236.0	2238.1	2234.0	2231.9	2223.6	2232.9
5°	2220.5	2222.5	2225.7	2225.7	2226.7	2229.8	2229.8	2224.6	2219.4	2210.1	2220.5
7.5°	2217.4	2219.4	2220.5	2219.4	2220.5	2221.5	2219.4	2213.2	2208.0	2199.7	2208.0
10°	2212.2	2214.2	2216.3	2214.2	2212.2	2215.3	2215.3	2211.1	2208.0	2199.7	2209.1
12.5°	2223.6	2226.7	2227.7	2222.5	2220.5	2221.5	2221.5	2217.4	2217.4	2210.1	2220.5
15°	2250.6	2252.6	2249.5	2243.3	2244.3	2247.4	2240.2	2229.8	2227.7	2224.6	2232.9
17.5°	2271.3	2273.4	2270.3	2266.1	2273.4	2280.6	2267.2	2247.4	2241.2	2239.1	2248.5
20°	2294.1	2297.2	2293.1	2298.3	2312.8	2321.1	2304.5	2277.5	2265.1	2262.0	2273.4
22.5°	2331.5	2335.6	2335.6	2347.1	2368.8	2382.3	2361.6	2325.3	2306.6	2301.4	2312.8
25°	2390.6	2393.7	2396.9	2419.7	2455.0	2473.6	2440.4	2390.6	2364.7	2356.4	2362.6
27.5°	2472.6	2477.8	2483.0	2516.2	2559.8	2586.7	2539.0	2476.8	2444.6	2428.0	2440.4
30°	2570.1	2577.4	2589.9	2627.2	2688.4	2718.5	2657.3	2581.6	2545.2	2527.6	2544.2
32.5°	2703.0	2704.0	2713.3	2754.8	2835.8	2870.0	2793.2	2709.2	2671.8	2651.1	2660.4
35°	2860.7	2861.7	2847.2	2889.7	2976.9	3015.3	2925.0	2839.9	2808.8	2802.6	2826.4
37.5°	3022.5	3013.2	2998.7	3017.3	3105.5	3130.4	3035.0	2962.4	2948.9	2960.3	2995.6
40°	3137.7	3122.1	3093.1	3106.6	3195.8	3224.9	3123.2	3054.7	3050.5	3078.6	3121.1
42.5°	3212.4	3195.8	3161.6	3161.6	3222.8	3235.2	3156.4	3120.1	3129.4	3161.6	3202.0
45°	3248.7	3239.4	3219.7	3209.3	3243.5	3248.7	3188.5	3174.0	3191.7	3207.2	3238.4
47.5°	3276.7	3276.7	3270.5	3260.1	3275.7	3278.8	3234.2	3230.1	3252.9	3252.9	3273.6
50°	3326.5	3331.7	3340.0	3338.0	3354.6	3364.9	3331.7	3325.5	3334.8	3304.8	3315.1
52.5°	3457.3	3470.8	3494.6	3513.3	3555.9	3588.0	3528.9	3479.1	3430.3	3363.9	3366.0
55°	3691.8	3698.0	3744.7	3799.7	3871.3	3936.7	3815.3	3660.7	3554.8	3477.0	3478.0
57.5°	3890.0	3899.3	3967.8	4083.0	4243.8	4345.5	4076.7	3818.4	3669.0	3573.5	3576.6
60°	3718.8	3706.3	3836.0	4033.2	4324.7	4454.4	4058.1	3705.3	3490.5	3372.2	3380.5
62.5°	2877.3	2853.4	2997.6	3204.1	3553.8	3683.5	3318.2	2980.0	2776.6	2684.3	2670.8
65°	1751.5	1729.7	1833.4	1960.0	2196.6	2278.6	2111.5	1932.0	1754.6	1698.6	1683.0
67.5°	953.6	950.4	978.5	1040.7	1144.5	1182.9	1150.7	1065.6	1020.0	980.5	980.5
70°	756.4	750.2	745.0	746.0	755.4	760.6	761.6	757.4	762.6	763.7	759.5
72.5°	626.7	624.6	614.3	615.3	611.1	609.1	616.3	620.5	628.8	629.8	629.8
75°	454.5	449.3	454.5	455.5	451.4	451.4	456.5	455.5	459.7	461.7	450.3
77.5°	258.4	258.4	265.6	273.9	280.2	280.2	285.3	285.3	290.5	289.5	287.4
80°	142.2	142.2	146.3	151.5	157.7	163.9	169.1	170.2	173.3	172.2	169.1
82.5°	80.9	82.0	84.0	87.2	93.4	98.6	103.8	104.8	107.9	107.9	104.8
85°	38.4	37.4	38.4	40.5	43.6	47.7	52.9	56.0	58.1	58.1	56.0
87.5°	7.3	8.3	7.3	8.3	9.3	12.5	14.5	16.6	19.7	20.8	18.7
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)