

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: P635545

Luminaire Tested: GWS-SA3E-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635545  
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-SA3E-722-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

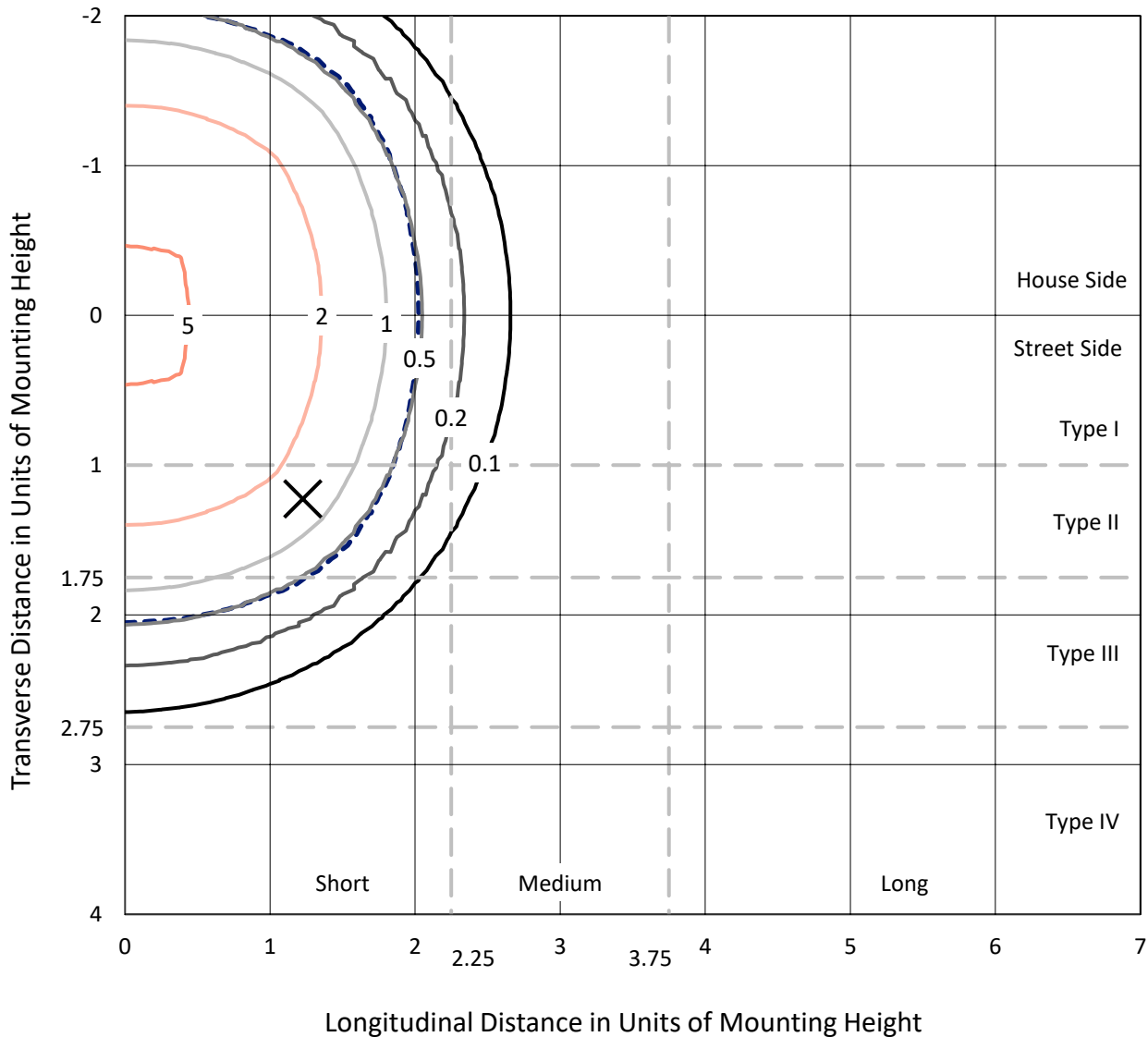
Lumens per Lamp: N/A  
Luminaire Lumens: 13680.7 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

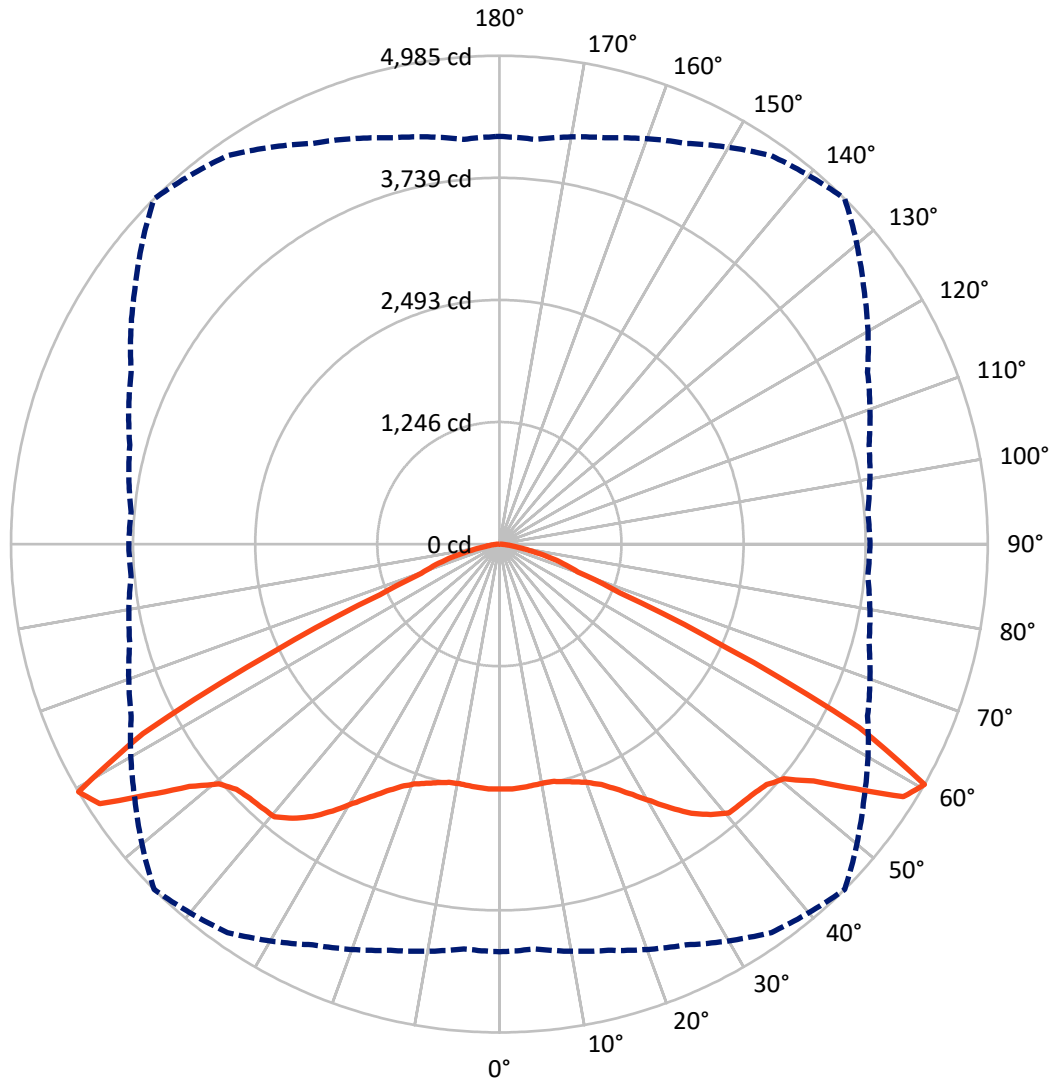
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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	6840.3	0.0	6840.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6840.3	0.0	6840.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13680.7	0.0	13680.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.1	1.7
10°-20°	713.2	5.2
20°-30°	1261.7	9.2
30°-40°	2031.4	14.8
40°-50°	2792.1	20.4
50°-60°	3720.7	27.2
60°-70°	2318.9	17.0
70°-80°	533.2	3.9
80°-90°	72.3	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°	13680.7	100.0
0°-180°	13680.7	100.0

**Coefficient of Utilization**



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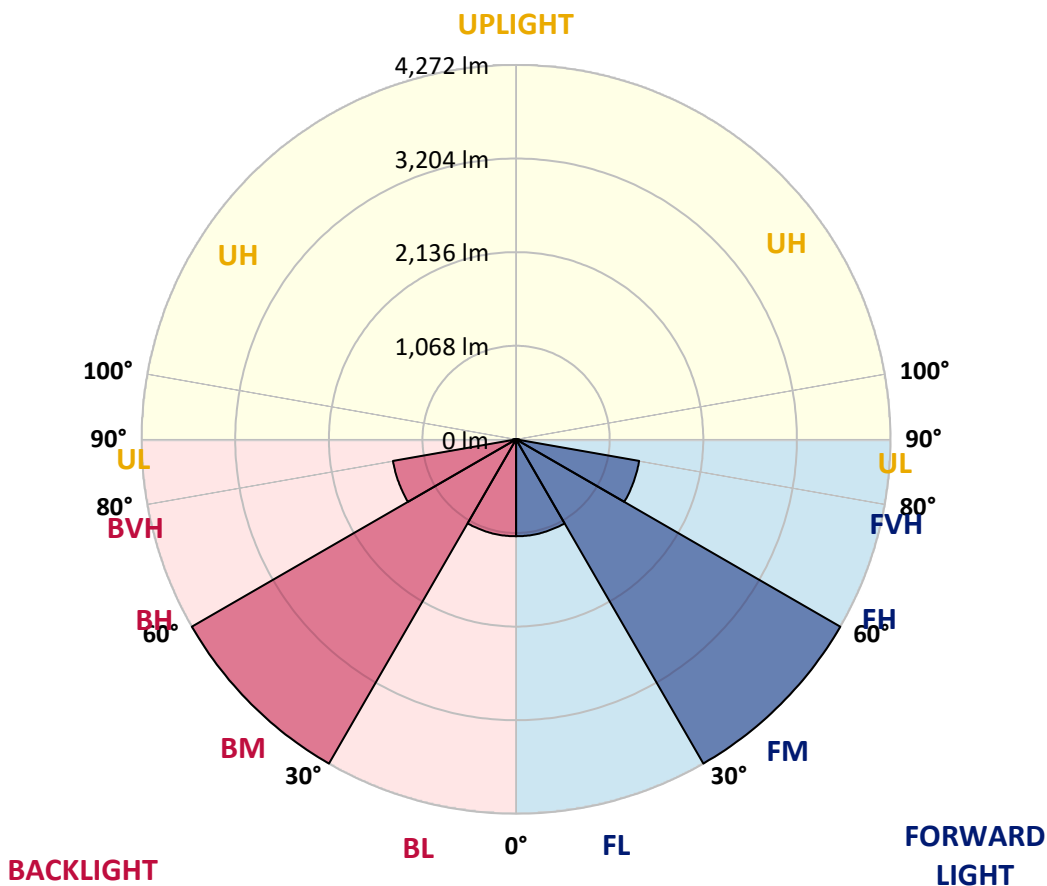
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1106.0	8.1			
FM (30°-60°)	4272.1	31.2			
FH (60°-80°)	1426.1	10.4			G1/1800
FVH (80°-90°)	36.2	0.3			G1/100
BL (0°-30°)	1106.0	8.1	B3/2500		
BM (30°-60°)	4272.1	31.2	B3/5000		
BH (60°-80°)	1426.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	36.2	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°	2500.1	2500.1	2500.1	2500.1	2500.1	2500.1	2500.1	2500.1	2500.1	2500.1	2500.1
2.5°	2482.7	2485.0	2489.7	2493.2	2497.8	2502.5	2504.8	2500.1	2497.8	2488.5	2499.0
5°	2485.0	2487.4	2490.8	2490.8	2492.0	2495.5	2495.5	2489.7	2483.9	2473.4	2485.0
7.5°	2481.5	2483.9	2485.0	2483.9	2485.0	2486.2	2483.9	2476.9	2471.1	2461.8	2471.1
10°	2475.7	2478.1	2480.4	2478.1	2475.7	2479.2	2479.2	2474.6	2471.1	2461.8	2472.3
12.5°	2488.5	2492.0	2493.2	2487.4	2485.0	2486.2	2486.2	2481.5	2481.5	2473.4	2485.0
15°	2518.7	2521.0	2517.5	2510.6	2511.7	2515.2	2507.1	2495.5	2493.2	2489.7	2499.0
17.5°	2541.9	2544.3	2540.8	2536.1	2544.3	2552.4	2537.3	2515.2	2508.3	2505.9	2516.4
20°	2567.5	2571.0	2566.3	2572.1	2588.4	2597.7	2579.1	2548.9	2535.0	2531.5	2544.3
22.5°	2609.3	2613.9	2613.9	2626.7	2651.1	2666.2	2643.0	2602.3	2581.4	2575.6	2588.4
25°	2675.5	2679.0	2682.4	2708.0	2747.5	2768.4	2731.2	2675.5	2646.4	2637.2	2644.1
27.5°	2767.2	2773.0	2778.8	2816.0	2864.8	2894.9	2841.5	2771.9	2735.9	2717.3	2731.2
30°	2876.4	2884.5	2898.4	2940.2	3008.7	3042.4	2973.9	2889.1	2848.5	2828.8	2847.3
32.5°	3025.0	3026.2	3036.6	3083.1	3173.6	3212.0	3126.0	3032.0	2990.2	2966.9	2977.4
35°	3201.5	3202.7	3186.4	3234.0	3331.6	3374.5	3273.5	3178.3	3143.4	3136.5	3163.2
37.5°	3382.7	3372.2	3356.0	3376.9	3475.6	3503.4	3396.6	3315.3	3300.2	3313.0	3352.5
40°	3511.6	3494.1	3461.6	3476.7	3576.6	3609.1	3495.3	3418.7	3414.0	3445.4	3493.0
42.5°	3595.2	3576.6	3538.3	3538.3	3606.8	3620.7	3532.5	3491.8	3502.3	3538.3	3583.6
45°	3635.8	3625.4	3603.3	3591.7	3630.0	3635.8	3568.5	3552.2	3571.9	3589.4	3624.2
47.5°	3667.2	3667.2	3660.2	3648.6	3666.0	3669.5	3619.6	3614.9	3640.5	3640.5	3663.7
50°	3722.9	3728.7	3738.0	3735.7	3754.3	3765.9	3728.7	3721.7	3732.2	3698.5	3710.1
52.5°	3869.2	3884.3	3911.0	3931.9	3979.5	4015.5	3949.3	3893.6	3839.0	3764.7	3767.0
55°	4131.7	4138.6	4190.9	4252.4	4332.5	4405.7	4269.8	4096.8	3978.4	3891.3	3892.4
57.5°	4353.5	4363.9	4440.5	4569.4	4749.4	4863.2	4562.5	4273.3	4106.1	3999.3	4002.8
60°	4161.8	4147.9	4293.1	4513.7	4840.0	4985.2	4541.6	4146.8	3906.4	3774.0	3783.3
62.5°	3220.1	3193.4	3354.8	3585.9	3977.2	4122.4	3713.6	3335.1	3107.5	3004.1	2989.0
65°	1960.2	1935.8	2051.9	2193.6	2458.3	2550.1	2363.1	2162.2	1963.6	1900.9	1883.5
67.5°	1067.2	1063.7	1095.0	1164.7	1280.8	1323.8	1287.8	1192.6	1141.5	1097.4	1097.4
70°	846.5	839.6	833.8	834.9	845.4	851.2	852.3	847.7	853.5	854.7	850.0
72.5°	701.4	699.1	687.4	688.6	684.0	681.6	689.8	694.4	703.7	704.9	704.9
75°	508.6	502.8	508.6	509.8	505.1	505.1	510.9	509.8	514.4	516.7	504.0
77.5°	289.1	289.1	297.3	306.6	313.5	313.5	319.3	319.3	325.1	324.0	321.7
80°	159.1	159.1	163.7	169.5	176.5	183.5	189.3	190.4	193.9	192.8	189.3
82.5°	90.6	91.7	94.1	97.5	104.5	110.3	116.1	117.3	120.8	120.8	117.3
85°	43.0	41.8	43.0	45.3	48.8	53.4	59.2	62.7	65.0	65.0	62.7
87.5°	8.1	9.3	8.1	9.3	10.5	13.9	16.3	18.6	22.1	23.2	20.9
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)