

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: P633785

Luminaire Tested: GWS-SA2F-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633785  
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-SA2F-740-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

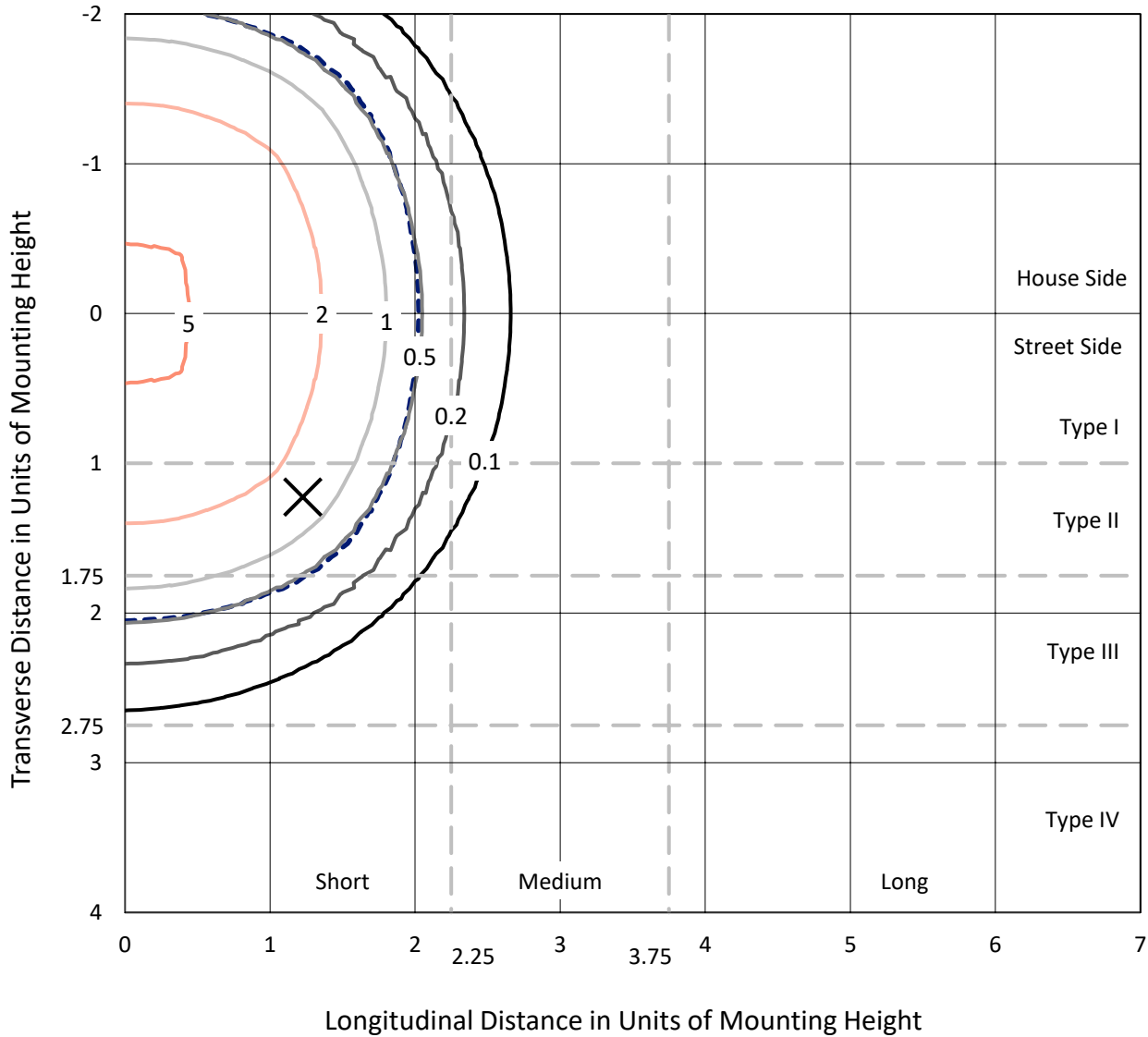
Lumens per Lamp: N/A  
Luminaire Lumens: 13700.7 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): 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

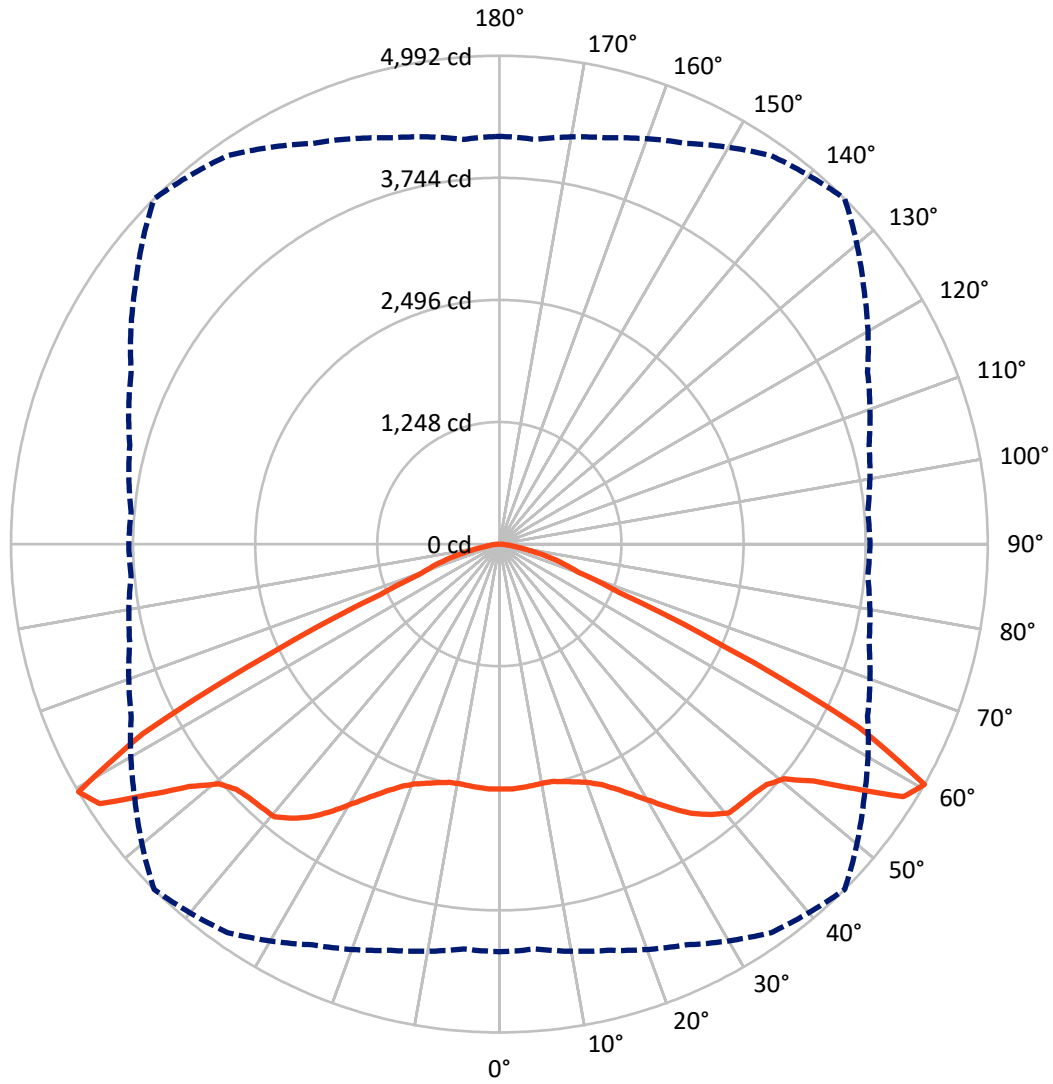
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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	6850.4	0.0	6850.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6850.4	0.0	6850.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13700.7	0.0	13700.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.4	1.7
10°-20°	714.2	5.2
20°-30°	1263.6	9.2
30°-40°	2034.4	14.8
40°-50°	2796.2	20.4
50°-60°	3726.2	27.2
60°-70°	2322.3	17.0
70°-80°	534.0	3.9
80°-90°	72.5	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°	13700.7	100.0
0°-180°	13700.7	100.0

**Coefficient of Utilization**



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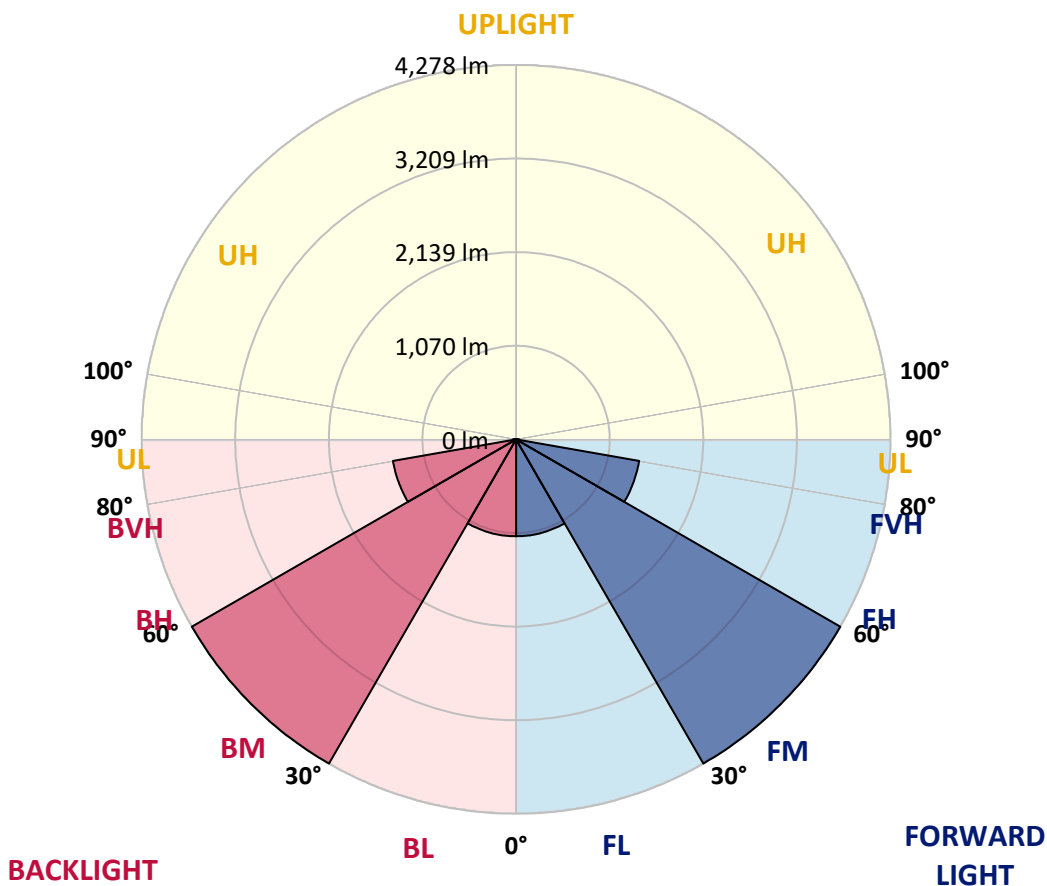
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.6	8.1			
FM (30°-60°)	4278.3	31.2			
FH (60°-80°)	1428.2	10.4			G1/1800
FVH (80°-90°)	36.2	0.3			G1/100
BL (0°-30°)	1107.6	8.1	B3/2500		
BM (30°-60°)	4278.3	31.2	B3/5000		
BH (60°-80°)	1428.2	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°	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8	2503.8
2.5°	2486.3	2488.7	2493.3	2496.8	2501.5	2506.1	2508.4	2503.8	2501.5	2492.2	2502.6
5°	2488.7	2491.0	2494.5	2494.5	2495.6	2499.1	2499.1	2493.3	2487.5	2477.0	2488.7
7.5°	2485.2	2487.5	2488.7	2487.5	2488.7	2489.8	2487.5	2480.5	2474.7	2465.4	2474.7
10°	2479.4	2481.7	2484.0	2481.7	2479.4	2482.9	2482.9	2478.2	2474.7	2465.4	2475.9
12.5°	2492.2	2495.6	2496.8	2491.0	2488.7	2489.8	2489.8	2485.2	2485.2	2477.0	2488.7
15°	2522.4	2524.7	2521.2	2514.2	2515.4	2518.9	2510.8	2499.1	2496.8	2493.3	2502.6
17.5°	2545.6	2548.0	2544.5	2539.8	2548.0	2556.1	2541.0	2518.9	2511.9	2509.6	2520.1
20°	2571.2	2574.7	2570.1	2575.9	2592.2	2601.5	2582.9	2552.6	2538.7	2535.2	2548.0
22.5°	2613.1	2617.8	2617.8	2630.5	2655.0	2670.1	2646.8	2606.1	2585.2	2579.4	2592.2
25°	2679.4	2682.9	2686.4	2711.9	2751.5	2772.4	2735.2	2679.4	2650.3	2641.0	2648.0
27.5°	2771.3	2777.1	2782.9	2820.1	2868.9	2899.2	2845.7	2775.9	2739.9	2721.3	2735.2
30°	2880.6	2888.7	2902.7	2944.5	3013.1	3046.9	2978.3	2893.4	2852.7	2832.9	2851.5
32.5°	3029.4	3030.6	3041.1	3087.6	3178.3	3216.7	3130.6	3036.4	2994.5	2971.3	2981.7
35°	3206.2	3207.4	3191.1	3238.8	3336.4	3379.5	3278.3	3182.9	3148.0	3141.1	3167.8
37.5°	3387.6	3377.1	3360.9	3381.8	3480.6	3508.6	3401.6	3320.2	3305.0	3317.8	3357.4
40°	3516.7	3499.2	3466.7	3481.8	3581.8	3614.4	3500.4	3423.7	3419.0	3450.4	3498.1
42.5°	3600.4	3581.8	3543.4	3543.4	3612.1	3626.0	3537.6	3496.9	3507.4	3543.4	3588.8
45°	3641.1	3630.7	3608.6	3596.9	3635.3	3641.1	3573.7	3557.4	3577.2	3594.6	3629.5
47.5°	3672.5	3672.5	3665.5	3653.9	3671.4	3674.9	3624.8	3620.2	3645.8	3645.8	3669.0
50°	3728.3	3734.2	3743.5	3741.1	3759.7	3771.4	3734.2	3727.2	3737.6	3703.9	3715.6
52.5°	3874.9	3890.0	3916.7	3937.7	3985.4	4021.4	3955.1	3899.3	3844.6	3770.2	3772.5
55°	4137.7	4144.7	4197.0	4258.6	4338.9	4412.1	4276.1	4102.8	3984.2	3897.0	3898.1
57.5°	4359.8	4370.3	4447.0	4576.1	4756.4	4870.3	4569.1	4279.6	4112.1	4005.1	4008.6
60°	4167.9	4154.0	4299.3	4520.3	4847.1	4992.4	4548.2	4152.8	3912.1	3779.5	3788.8
62.5°	3224.8	3198.1	3359.7	3591.1	3983.0	4128.4	3719.0	3339.9	3112.0	3008.5	2993.4
65°	1963.0	1938.6	2054.9	2196.8	2461.9	2553.8	2366.6	2165.4	1966.5	1903.7	1886.3
67.5°	1068.7	1065.2	1096.6	1166.4	1282.7	1325.7	1289.7	1194.3	1143.2	1099.0	1099.0
70°	847.8	840.8	835.0	836.1	846.6	852.4	853.6	848.9	854.8	855.9	851.3
72.5°	702.4	700.1	688.5	689.6	685.0	682.6	690.8	695.4	704.7	705.9	705.9
75°	509.4	503.5	509.4	510.5	505.9	505.9	511.7	510.5	515.2	517.5	504.7
77.5°	289.6	289.6	297.7	307.0	314.0	314.0	319.8	319.8	325.6	324.5	322.1
80°	159.3	159.3	164.0	169.8	176.8	183.7	189.6	190.7	194.2	193.0	189.6
82.5°	90.7	91.9	94.2	97.7	104.7	110.5	116.3	117.5	120.9	120.9	117.5
85°	43.0	41.9	43.0	45.4	48.8	53.5	59.3	62.8	65.1	65.1	62.8
87.5°	8.1	9.3	8.1	9.3	10.5	14.0	16.3	18.6	22.1	23.3	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)