

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: P639775

Luminaire Tested: GWS-SA5C-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25225.1 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

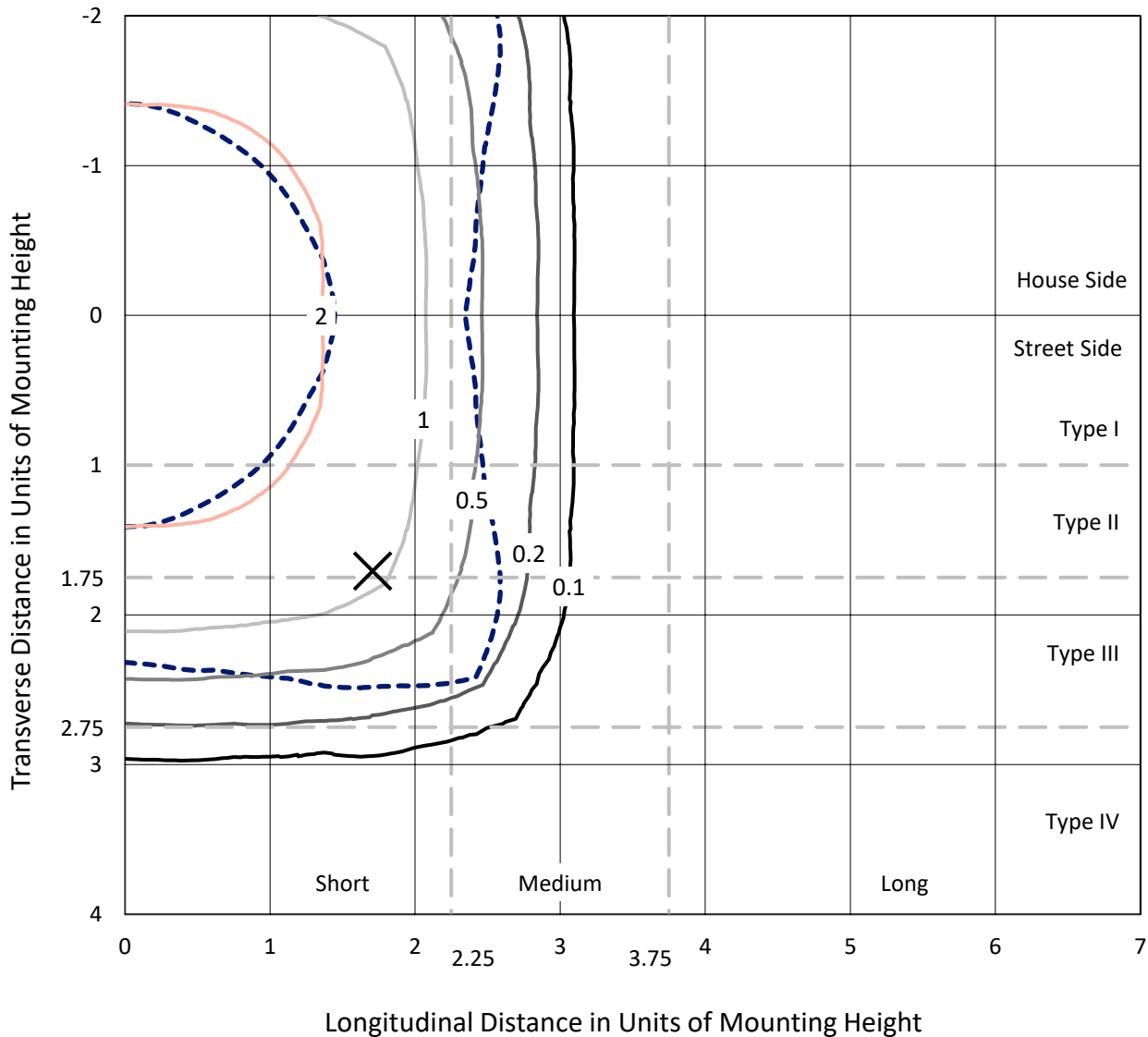
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

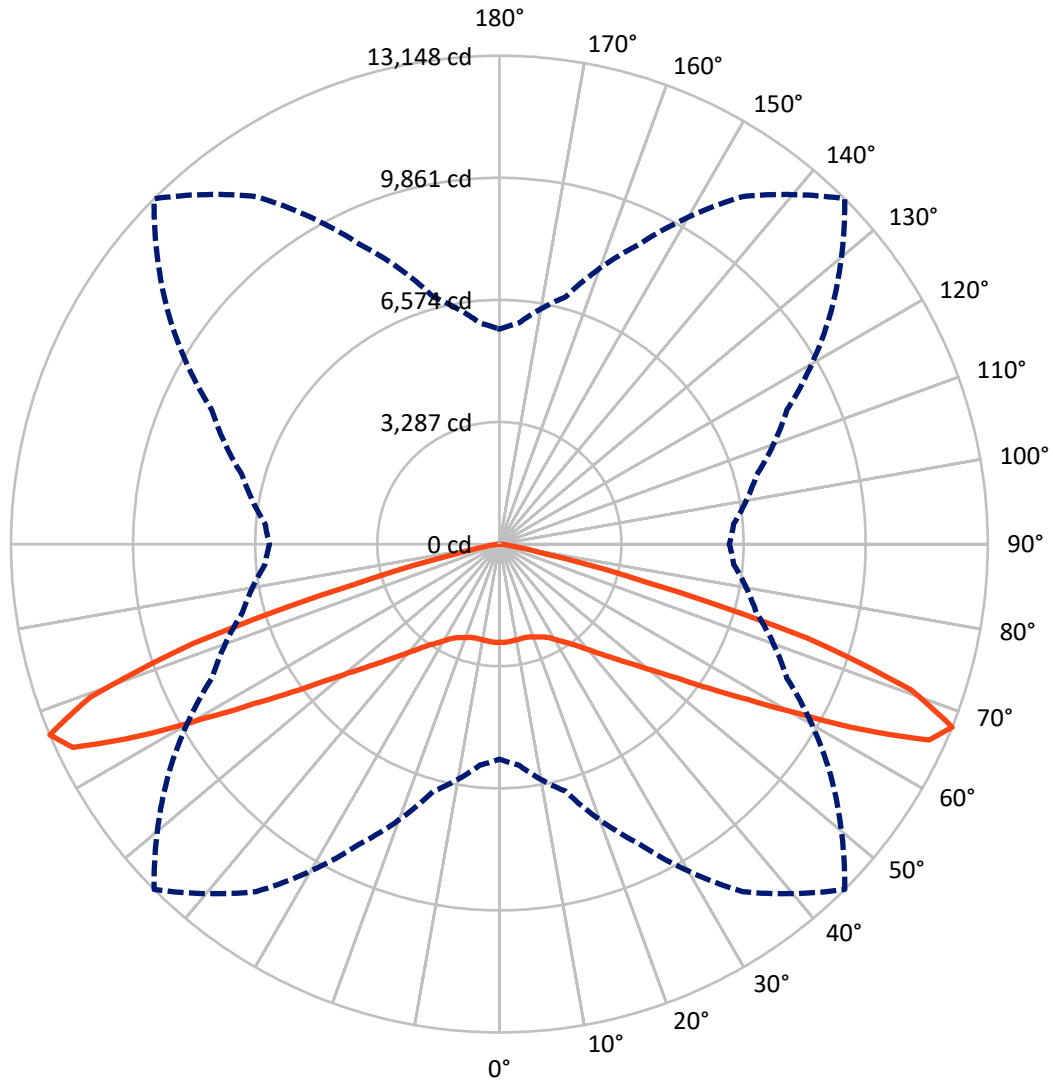
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12612.6	0.0	12612.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12612.6	0.0	12612.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	25225.1	0.0	25225.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.0	1.0
10°-20°	734.4	2.9
20°-30°	1266.6	5.0
30°-40°	2059.6	8.2
40°-50°	3468.0	13.7
50°-60°	6144.6	24.4
60°-70°	8783.2	34.8
70°-80°	2410.6	9.6
80°-90°	108.0	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°	25225.1	100.0
0°-180°	25225.1	100.0

Coefficient of Utilization



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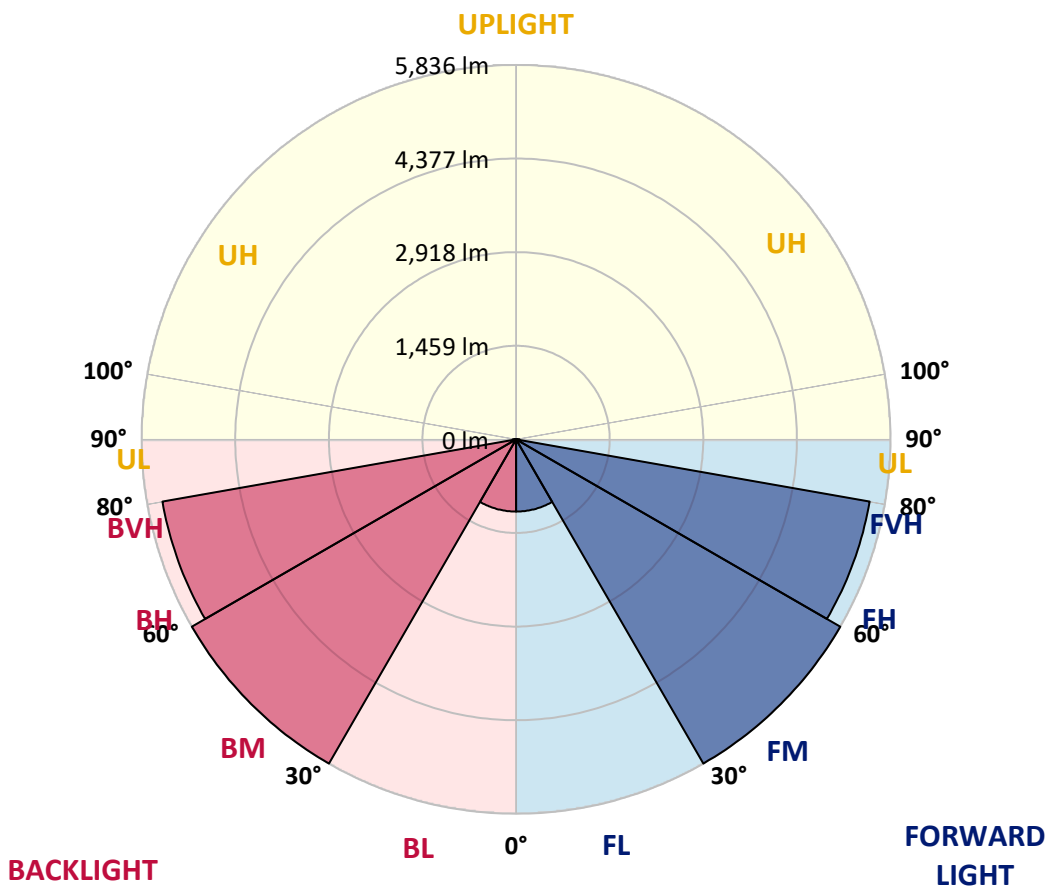
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1125.5	4.5			
FM (30°-60°)	5836.1	23.1			
FH (60°-80°)	5596.9	22.2			G3/7500
FVH (80°-90°)	54.0	0.2			G1/100
BL (0°-30°)	1125.5	4.5	B3/2500		
BM (30°-60°)	5836.1	23.1	B4/8500		
BH (60°-80°)	5596.9	22.2	B5		G3/7500
BVH (80°-90°)	54.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9	2641.9
2.5°	2624.4	2622.7	2631.4	2636.6	2634.9	2647.1	2645.4	2641.9	2641.9	2636.6	2650.6
5°	2624.4	2622.7	2629.7	2631.4	2627.9	2638.4	2634.9	2631.4	2631.4	2624.4	2636.6
7.5°	2610.5	2612.2	2617.4	2620.9	2617.4	2626.2	2620.9	2613.9	2612.2	2605.2	2617.4
10°	2584.3	2586.0	2591.2	2600.0	2601.7	2617.4	2608.7	2596.5	2591.2	2584.3	2596.5
12.5°	2568.5	2570.3	2575.5	2586.0	2589.5	2610.5	2601.7	2582.5	2573.8	2566.8	2579.0
15°	2565.1	2566.8	2573.8	2584.3	2589.5	2610.5	2601.7	2579.0	2566.8	2558.1	2568.5
17.5°	2565.1	2568.5	2579.0	2594.7	2605.2	2626.2	2615.7	2589.5	2572.0	2556.3	2566.8
20°	2566.8	2572.0	2587.8	2610.5	2636.6	2666.3	2652.4	2617.4	2593.0	2573.8	2580.8
22.5°	2582.5	2591.2	2610.5	2640.1	2678.6	2713.5	2701.3	2654.1	2619.2	2593.0	2600.0
25°	2636.6	2640.1	2664.6	2703.0	2739.7	2769.4	2757.1	2713.5	2669.8	2638.4	2647.1
27.5°	2732.7	2741.4	2762.4	2802.5	2834.0	2849.7	2847.9	2818.2	2774.6	2746.7	2753.6
30°	2847.9	2856.7	2884.6	2930.0	2961.4	2978.9	2973.6	2950.9	2910.8	2872.4	2879.4
32.5°	2982.4	2985.9	3019.0	3069.7	3102.9	3129.1	3111.6	3087.1	3036.5	2991.1	2994.6
35°	3153.5	3158.7	3193.7	3240.8	3267.0	3288.0	3284.5	3260.0	3205.9	3157.0	3169.2
37.5°	3368.3	3371.8	3403.2	3462.6	3483.5	3499.2	3502.7	3490.5	3434.6	3371.8	3384.0
40°	3635.4	3637.2	3672.1	3724.5	3747.2	3757.7	3759.4	3761.1	3703.5	3656.4	3652.9
42.5°	3946.2	3955.0	4003.9	4054.5	4065.0	4059.7	4077.2	4094.7	4038.8	3974.2	3979.4
45°	4318.2	4323.4	4389.8	4445.6	4426.4	4409.0	4442.1	4477.1	4426.4	4342.6	4318.2
47.5°	4758.2	4768.7	4840.3	4896.1	4864.7	4833.3	4887.4	4924.1	4842.0	4752.9	4730.2
50°	5255.8	5262.8	5364.1	5433.9	5397.3	5339.6	5407.7	5446.2	5336.2	5226.1	5177.3
52.5°	5844.3	5830.3	5964.8	6087.0	6064.3	5989.2	6045.1	6052.1	5887.9	5732.5	5683.6
55°	6561.9	6548.0	6682.4	6816.9	6872.7	6853.5	6827.3	6785.4	6542.7	6376.8	6331.4
57.5°	7398.3	7354.7	7543.3	7724.9	7847.1	7882.0	7770.2	7672.5	7480.4	7276.1	7223.7
60°	8175.4	8173.6	8472.2	8786.5	9121.7	9261.4	8978.6	8713.2	8281.9	7909.9	7834.9
62.5°	8393.6	8430.3	8919.2	9698.0	10525.6	11019.8	10274.2	9395.9	8563.0	8002.5	7903.0
65°	7855.8	7946.6	8641.6	9870.8	11505.2	12713.5	11030.3	9411.6	8250.4	7552.0	7447.2
67.5°	5790.1	5971.7	6891.9	8907.0	11421.4	13148.3	10895.8	8540.3	7166.1	6334.9	6190.0
70°	2856.7	3029.5	3759.4	5860.0	9397.6	11753.2	9427.3	6436.2	4840.3	4040.5	3907.8
72.5°	1051.2	1121.0	1407.4	2507.4	5186.0	8681.7	6446.7	3595.3	2345.0	1866.6	1777.6
75°	515.1	527.3	571.0	841.6	1913.8	4085.9	3029.5	1379.4	862.6	750.8	726.4
77.5°	328.3	333.5	354.5	401.6	614.6	1286.9	918.5	544.8	422.6	405.1	405.1
80°	183.3	188.6	216.5	249.7	288.1	441.8	330.0	326.5	277.6	242.7	237.5
82.5°	87.3	96.0	137.9	136.2	151.9	221.8	193.8	176.4	178.1	134.5	127.5
85°	40.2	40.2	54.1	64.6	68.1	75.1	89.1	101.3	99.5	68.1	73.3
87.5°	19.2	19.2	19.2	17.5	15.7	14.0	19.2	31.4	45.4	31.4	29.7
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)