

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: P639720

Luminaire Tested: GWS-SA5C-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639720
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24660 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

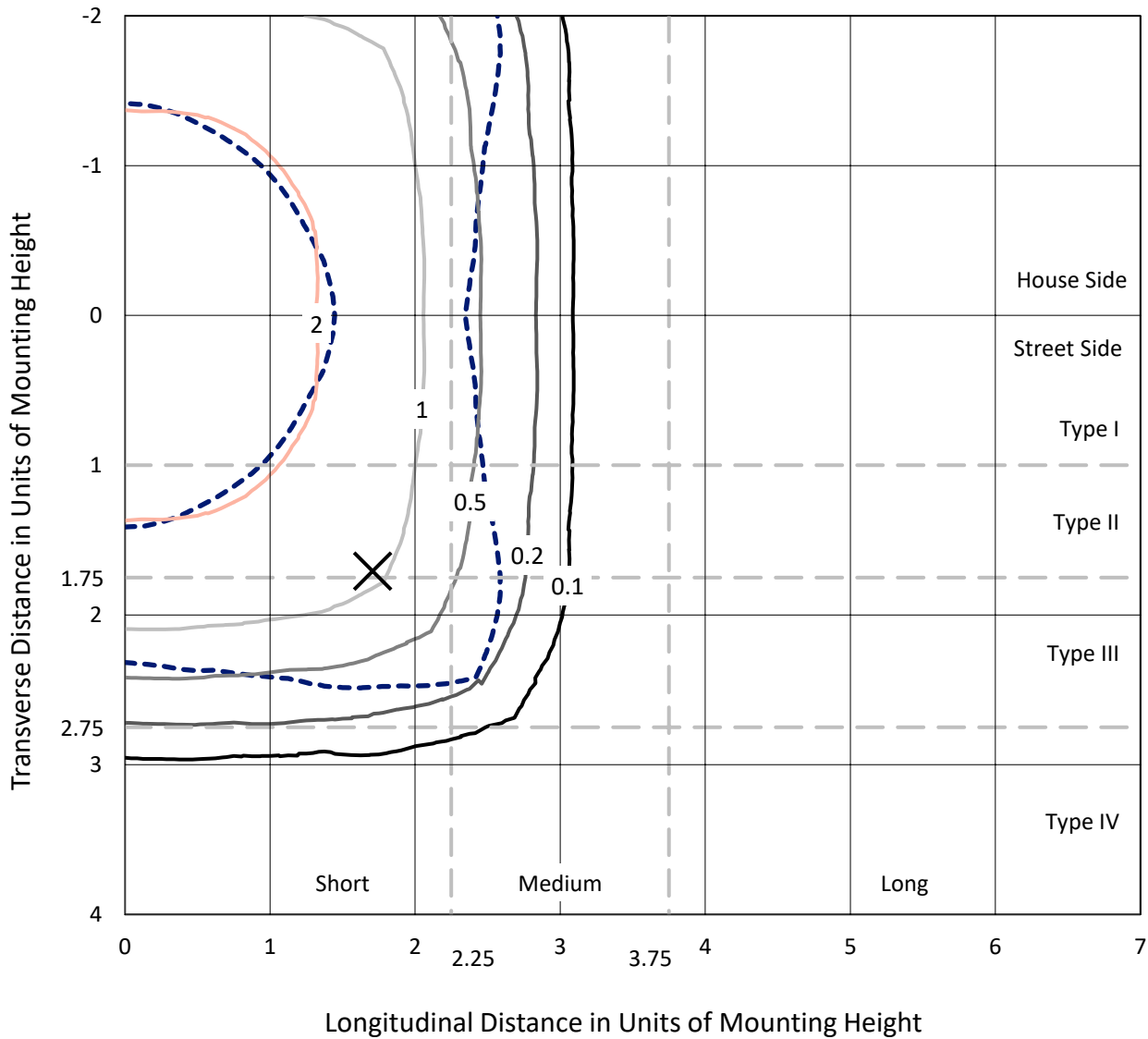
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

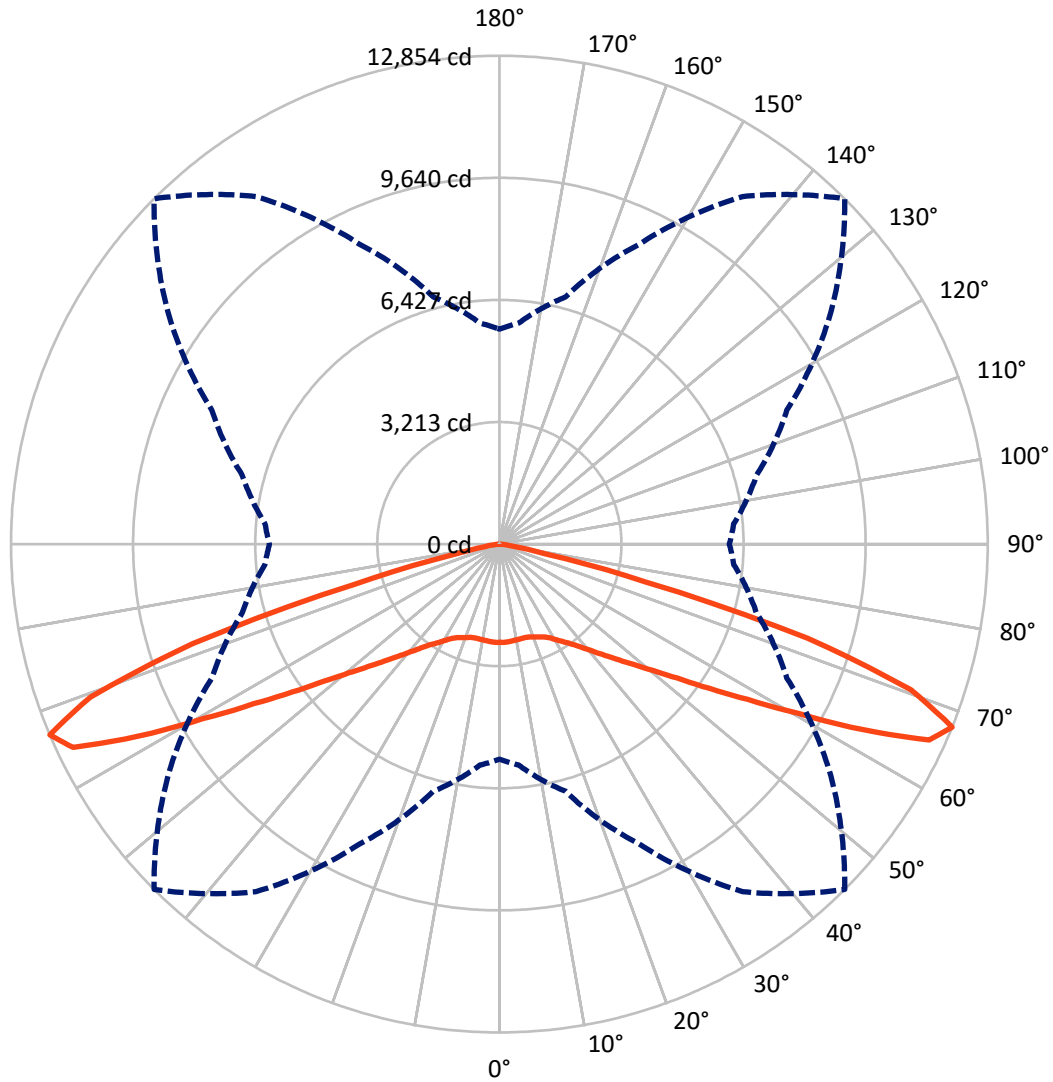
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	12330.0	0.0	12330.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12330.0	0.0	12330.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24660.0	0.0	24660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.4	1.0
10°-20°	718.0	2.9
20°-30°	1238.3	5.0
30°-40°	2013.5	8.2
40°-50°	3390.3	13.7
50°-60°	6006.9	24.4
60°-70°	8586.5	34.8
70°-80°	2356.6	9.6
80°-90°	105.6	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°	24660.0	100.0
0°-180°	24660.0	100.0

Coefficient of Utilization



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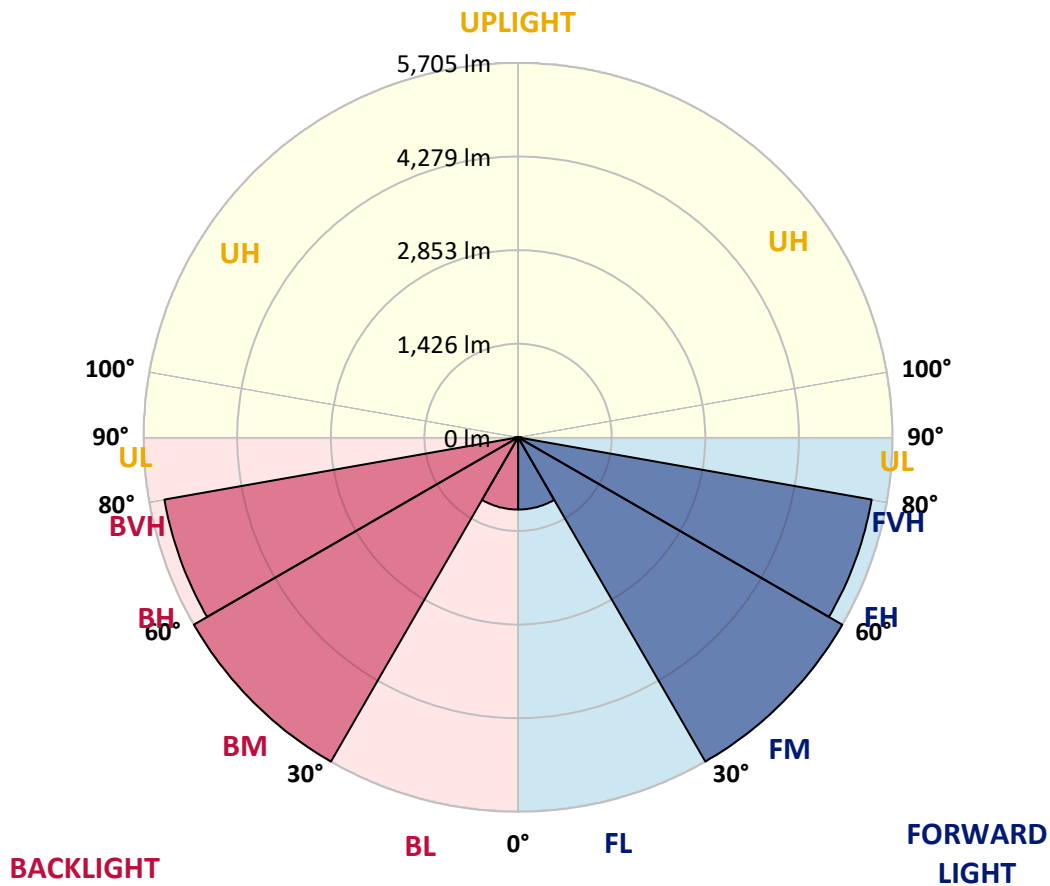
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1100.3	4.5			
FM (30°-60°)	5705.3	23.1			
FH (60°-80°)	5471.6	22.2			G3/7500
FVH (80°-90°)	52.8	0.2			G1/100
BL (0°-30°)	1100.3	4.5	B3/2500		
BM (30°-60°)	5705.3	23.1	B4/8500		
BH (60°-80°)	5471.6	22.2	B5		G3/7500
BVH (80°-90°)	52.8	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°	2582.7	2582.7	2582.7	2582.7	2582.7	2582.7	2582.7	2582.7	2582.7	2582.7	2582.7
2.5°	2565.6	2563.9	2572.5	2577.6	2575.9	2587.8	2586.1	2582.7	2582.7	2577.6	2591.2
5°	2565.6	2563.9	2570.8	2572.5	2569.0	2579.3	2575.9	2572.5	2572.5	2565.6	2577.6
7.5°	2552.0	2553.7	2558.8	2562.2	2558.8	2567.3	2562.2	2555.4	2553.7	2546.9	2558.8
10°	2526.4	2528.1	2533.2	2541.7	2543.4	2558.8	2550.3	2538.3	2533.2	2526.4	2538.3
12.5°	2511.0	2512.7	2517.8	2528.1	2531.5	2552.0	2543.4	2524.7	2516.1	2509.3	2521.2
15°	2507.6	2509.3	2516.1	2526.4	2531.5	2552.0	2543.4	2521.2	2509.3	2500.8	2511.0
17.5°	2507.6	2511.0	2521.2	2536.6	2546.9	2567.3	2557.1	2531.5	2514.4	2499.1	2509.3
20°	2509.3	2514.4	2529.8	2552.0	2577.6	2606.6	2592.9	2558.8	2534.9	2516.1	2523.0
22.5°	2524.7	2533.2	2552.0	2581.0	2618.5	2652.7	2640.7	2594.6	2560.5	2534.9	2541.7
25°	2577.6	2581.0	2604.9	2642.4	2678.3	2707.3	2695.4	2652.7	2610.0	2579.3	2587.8
27.5°	2671.5	2680.0	2700.5	2739.7	2770.5	2785.8	2784.1	2755.1	2712.4	2685.1	2691.9
30°	2784.1	2792.7	2820.0	2864.4	2895.1	2912.2	2907.0	2884.8	2845.6	2808.0	2814.9
32.5°	2915.6	2919.0	2951.4	3000.9	3033.4	3059.0	3041.9	3018.0	2968.5	2924.1	2927.5
35°	3082.9	3088.0	3122.1	3168.2	3193.8	3214.3	3210.9	3187.0	3134.1	3086.3	3098.2
37.5°	3292.8	3296.2	3327.0	3385.0	3405.5	3420.8	3424.3	3412.3	3357.7	3296.2	3308.2
40°	3554.0	3555.7	3589.8	3641.0	3663.2	3673.5	3675.2	3676.9	3620.6	3574.5	3571.1
42.5°	3857.8	3866.4	3914.2	3963.7	3973.9	3968.8	3985.9	4002.9	3948.3	3885.1	3890.3
45°	4221.4	4226.5	4291.4	4346.0	4327.3	4310.2	4342.6	4376.8	4327.3	4245.3	4221.4
47.5°	4651.6	4661.8	4731.8	4786.4	4755.7	4725.0	4777.9	4813.8	4733.5	4646.5	4624.3
50°	5138.1	5144.9	5243.9	5312.2	5276.4	5220.0	5286.6	5324.2	5216.6	5109.1	5061.3
52.5°	5713.4	5699.7	5831.1	5950.6	5928.4	5855.0	5909.7	5916.5	5756.0	5604.1	5556.3
55°	6414.9	6401.3	6532.7	6664.2	6718.8	6700.0	6674.4	6633.4	6396.2	6234.0	6189.6
57.5°	7232.6	7189.9	7374.3	7551.8	7671.3	7705.4	7596.2	7500.6	7312.8	7113.1	7061.9
60°	7992.2	7990.5	8282.4	8589.7	8917.4	9054.0	8777.4	8518.0	8096.3	7732.7	7659.3
62.5°	8205.6	8241.4	8719.4	9480.7	10289.8	10772.9	10044.0	9185.4	8371.2	7823.2	7725.9
65°	7679.8	7768.6	8448.0	9649.7	11247.5	12428.7	10783.2	9200.8	8065.6	7382.8	7280.4
67.5°	5660.4	5838.0	6737.6	8707.4	11165.5	12853.8	10651.7	8349.0	7005.6	6193.0	6051.3
70°	2792.7	2961.7	3675.2	5728.7	9187.1	11489.9	9216.1	6292.0	4731.8	3950.0	3820.3
72.5°	1027.6	1095.9	1375.8	2451.3	5069.8	8487.2	6302.3	3514.7	2292.5	1824.8	1737.7
75°	503.6	515.5	558.2	822.8	1870.9	3994.4	2961.7	1348.5	843.3	734.0	710.1
77.5°	320.9	326.0	346.5	392.6	600.9	1258.1	897.9	532.6	413.1	396.0	396.0
80°	179.2	184.4	211.7	244.1	281.7	431.9	322.6	319.2	271.4	237.3	232.2
82.5°	85.4	93.9	134.9	133.1	148.5	216.8	189.5	172.4	174.1	131.4	124.6
85°	39.3	39.3	52.9	63.2	66.6	73.4	87.1	99.0	97.3	66.6	71.7
87.5°	18.8	18.8	18.8	17.1	15.4	13.7	18.8	30.7	44.4	30.7	29.0
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)