

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: P640435

Luminaire Tested: GWS-SA5D-830-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640435
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-SA5D-830-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24713.5 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

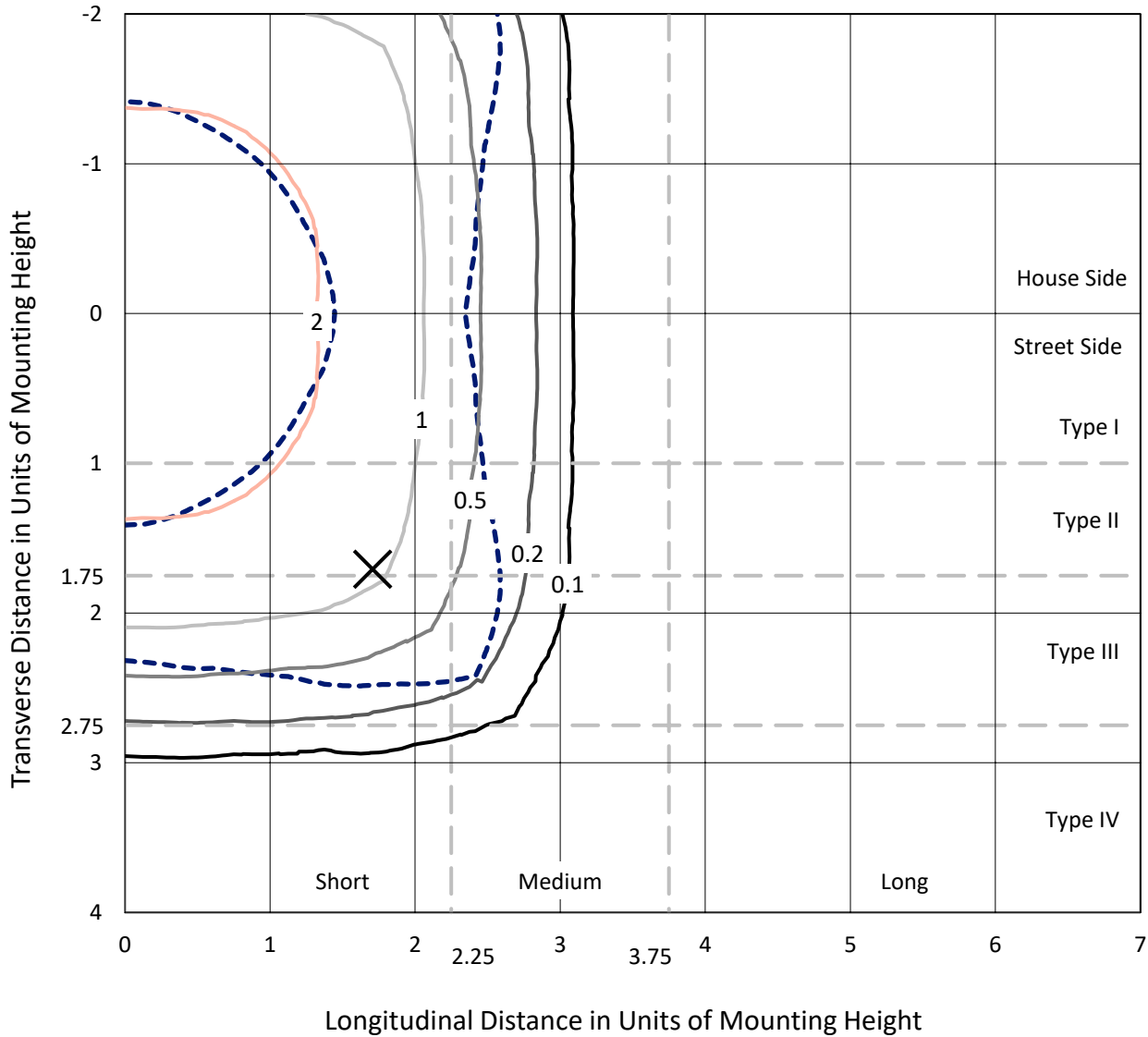
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

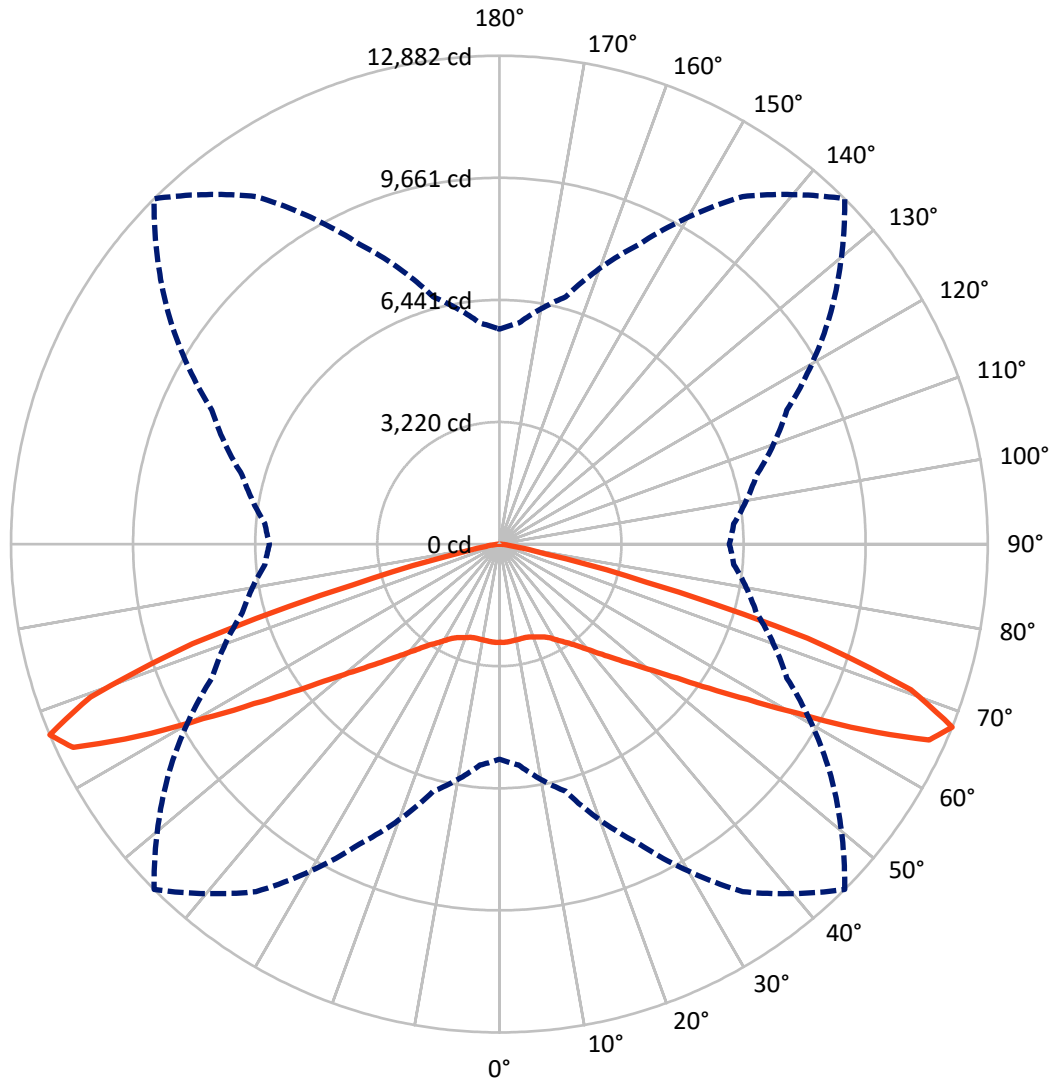
✕ Max cd
 - - - 1/2 Max cd



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	12356.8	0.0	12356.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12356.8	0.0	12356.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24713.5	0.0	24713.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.0	1.0
10°-20°	719.5	2.9
20°-30°	1241.0	5.0
30°-40°	2017.8	8.2
40°-50°	3397.6	13.7
50°-60°	6020.0	24.4
60°-70°	8605.1	34.8
70°-80°	2361.7	9.6
80°-90°	105.8	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°	24713.5	100.0
0°-180°	24713.5	100.0

Coefficient of Utilization



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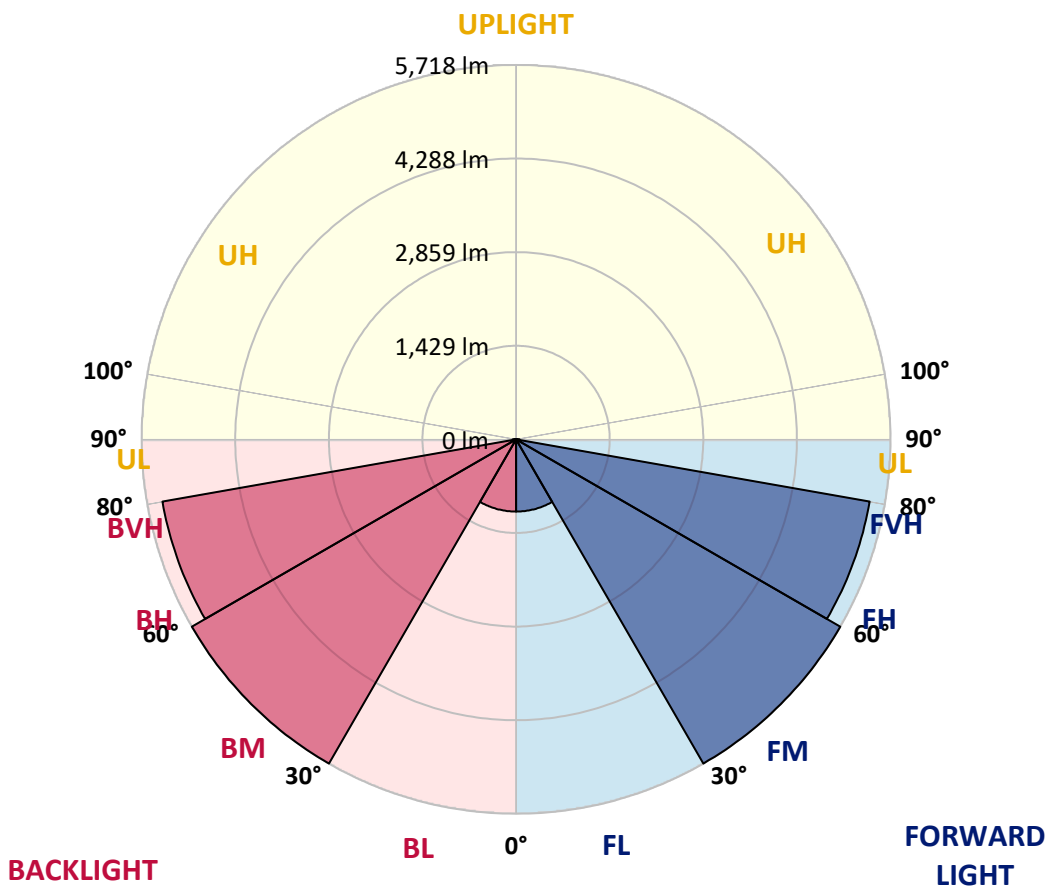
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1102.7	4.5			
FM (30°-60°)	5717.7	23.1			
FH (60°-80°)	5483.4	22.2			G3/7500
FVH (80°-90°)	52.9	0.2			G1/100
BL (0°-30°)	1102.7	4.5	B3/2500		
BM (30°-60°)	5717.7	23.1	B4/8500		
BH (60°-80°)	5483.4	22.2	B5		G3/7500
BVH (80°-90°)	52.9	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°	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3
2.5°	2571.2	2569.5	2578.0	2583.2	2581.5	2593.4	2591.7	2588.3	2588.3	2583.2	2596.9
5°	2571.2	2569.5	2576.3	2578.0	2574.6	2584.9	2581.5	2578.0	2578.0	2571.2	2583.2
7.5°	2557.5	2559.2	2564.4	2567.8	2564.4	2572.9	2567.8	2560.9	2559.2	2552.4	2564.4
10°	2531.9	2533.6	2538.7	2547.2	2549.0	2564.4	2555.8	2543.8	2538.7	2531.9	2543.8
12.5°	2516.5	2518.2	2523.3	2533.6	2537.0	2557.5	2549.0	2530.1	2521.6	2514.7	2526.7
15°	2513.0	2514.7	2521.6	2531.9	2537.0	2557.5	2549.0	2526.7	2514.7	2506.2	2516.5
17.5°	2513.0	2516.5	2526.7	2542.1	2552.4	2572.9	2562.6	2537.0	2519.9	2504.5	2514.7
20°	2514.7	2519.9	2535.3	2557.5	2583.2	2612.3	2598.6	2564.4	2540.4	2521.6	2528.4
22.5°	2530.1	2538.7	2557.5	2586.6	2624.2	2658.4	2646.5	2600.3	2566.1	2540.4	2547.2
25°	2583.2	2586.6	2610.5	2648.2	2684.1	2713.2	2701.2	2658.4	2615.7	2584.9	2593.4
27.5°	2677.3	2685.8	2706.3	2745.7	2776.5	2791.9	2790.2	2761.1	2718.3	2690.9	2697.8
30°	2790.2	2798.7	2826.1	2870.6	2901.4	2918.5	2913.3	2891.1	2851.8	2814.1	2821.0
32.5°	2921.9	2925.3	2957.8	3007.4	3039.9	3065.6	3048.5	3024.5	2974.9	2930.4	2933.9
35°	3089.5	3094.7	3128.9	3175.1	3200.7	3221.3	3217.8	3193.9	3140.9	3093.0	3104.9
37.5°	3300.0	3303.4	3334.2	3392.3	3412.9	3428.3	3431.7	3419.7	3365.0	3303.4	3315.4
40°	3561.7	3563.4	3597.6	3648.9	3671.2	3681.4	3683.2	3684.9	3628.4	3582.2	3578.8
42.5°	3866.2	3874.8	3922.7	3972.3	3982.5	3977.4	3994.5	4011.6	3956.9	3893.6	3898.7
45°	4230.6	4235.7	4300.7	4355.5	4336.6	4319.5	4352.0	4386.3	4336.6	4254.5	4230.6
47.5°	4661.7	4671.9	4742.1	4796.8	4766.0	4735.2	4788.3	4824.2	4743.8	4656.6	4634.3
50°	5149.2	5156.1	5255.3	5323.7	5287.8	5231.4	5298.1	5335.7	5227.9	5120.2	5072.3
52.5°	5725.7	5712.1	5843.8	5963.5	5941.3	5867.7	5922.5	5929.3	5768.5	5616.3	5568.4
55°	6428.8	6415.2	6546.9	6678.6	6733.4	6714.5	6688.9	6647.8	6410.0	6247.5	6203.0
57.5°	7248.3	7205.5	7390.3	7568.2	7687.9	7722.1	7612.7	7516.9	7328.7	7128.5	7077.2
60°	8009.5	8007.8	8300.4	8608.3	8936.7	9073.6	8796.5	8536.4	8113.9	7749.5	7676.0
62.5°	8223.4	8259.3	8738.3	9501.3	10312.2	10796.3	10065.8	9205.3	8389.3	7840.2	7742.7
65°	7696.5	7785.4	8466.3	9670.6	11271.9	12455.7	10806.6	9220.7	8083.1	7398.8	7296.2
67.5°	5672.7	5850.6	6752.2	8726.3	11189.8	12881.6	10674.8	8367.1	7020.8	6206.5	6064.5
70°	2798.7	2968.1	3683.2	5741.1	9207.0	11514.8	9236.1	6305.7	4742.1	3958.6	3828.6
72.5°	1029.8	1098.3	1378.8	2456.6	5080.8	8505.6	6315.9	3522.4	2297.5	1828.7	1741.5
75°	504.7	516.6	559.4	824.6	1874.9	4003.1	2968.1	1351.5	845.1	735.6	711.7
77.5°	321.6	326.7	347.3	393.5	602.2	1260.8	899.8	533.7	414.0	396.9	396.9
80°	179.6	184.8	212.1	244.6	282.3	432.8	323.3	319.9	272.0	237.8	232.7
82.5°	85.5	94.1	135.1	133.4	148.8	217.3	189.9	172.8	174.5	131.7	124.9
85°	39.3	39.3	53.0	63.3	66.7	73.6	87.2	99.2	97.5	66.7	71.8
87.5°	18.8	18.8	18.8	17.1	15.4	13.7	18.8	30.8	44.5	30.8	29.1
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)