

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: P639499

Luminaire Tested: GWS-SA5C-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15357.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

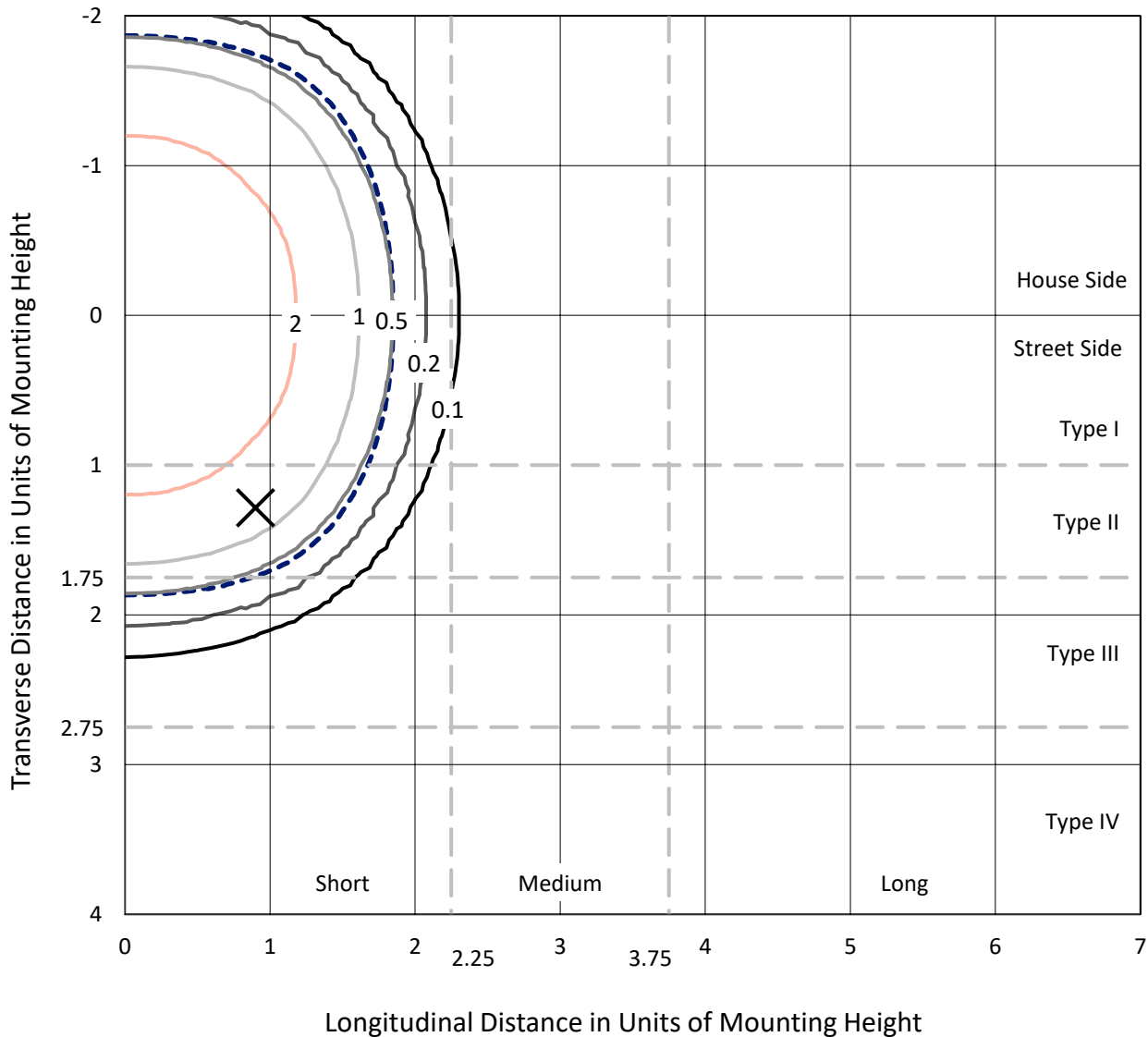
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

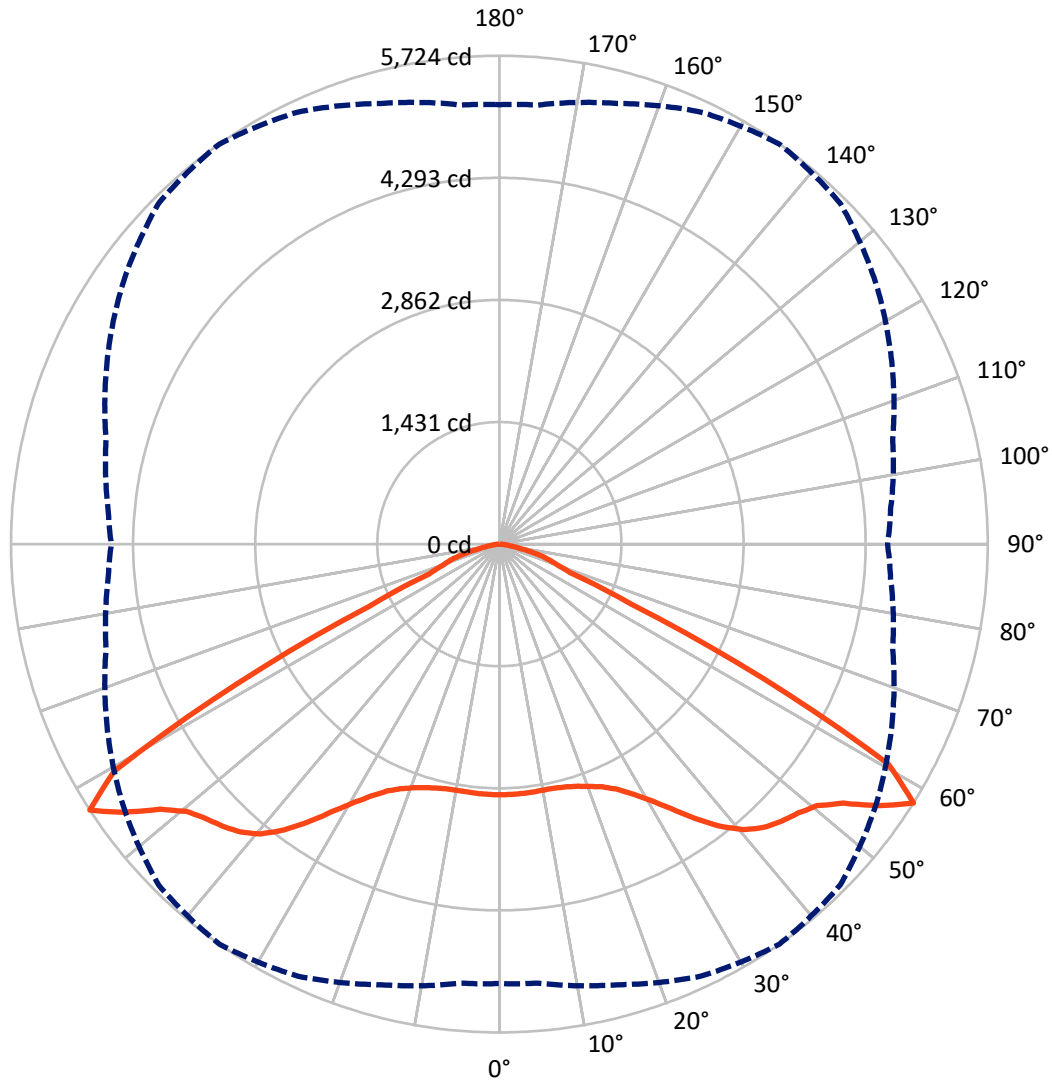
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7679.0	0.0	7679.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7679.0	0.0	7679.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15357.9	0.0	15357.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.6	1.8
10°-20°	834.0	5.4
20°-30°	1455.3	9.5
30°-40°	2386.3	15.5
40°-50°	3514.5	22.9
50°-60°	4485.1	29.2
60°-70°	1890.2	12.3
70°-80°	451.5	2.9
80°-90°	61.5	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°	15357.9	100.0
0°-180°	15357.9	100.0

Coefficient of Utilization



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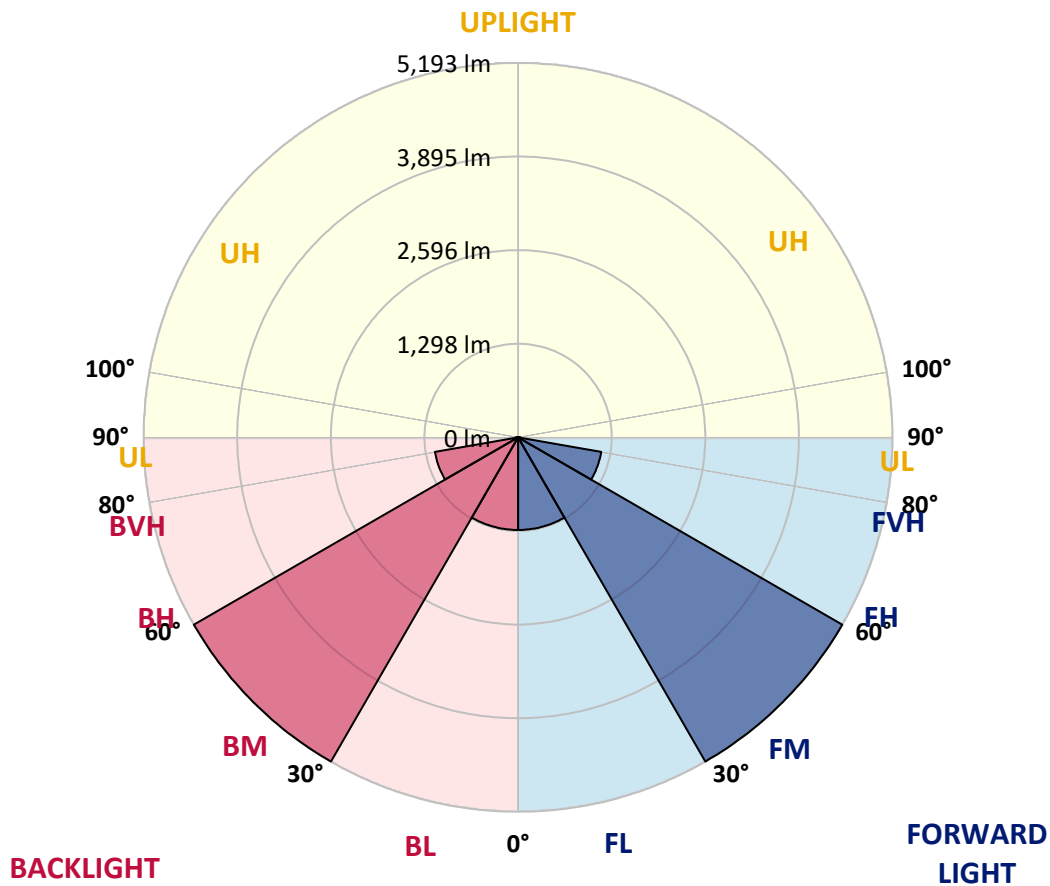
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1284.4	8.4			
FM (30°-60°)	5192.9	33.8			
FH (60°-80°)	1170.9	7.6			G1/1800
FVH (80°-90°)	30.7	0.2			G1/100
BL (0°-30°)	1284.4	8.4	B3/2500		
BM (30°-60°)	5192.9	33.8	B4/8500		
BH (60°-80°)	1170.9	7.6	B3/2500		G1/1800
BVH (80°-90°)	30.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2938.6	2938.6	2938.6	2938.6	2938.6	2938.6	2938.6	2938.6	2938.6	2938.6	2938.6
2.5°	2921.0	2921.0	2927.2	2933.5	2936.0	2947.4	2946.1	2942.3	2939.8	2932.3	2942.3
5°	2927.2	2927.2	2932.3	2936.0	2934.8	2943.6	2939.8	2933.5	2929.8	2922.2	2933.5
7.5°	2926.0	2926.0	2929.8	2933.5	2931.0	2938.6	2932.3	2923.5	2917.2	2909.6	2919.7
10°	2909.6	2912.2	2915.9	2924.7	2928.5	2939.8	2931.0	2917.2	2907.1	2898.3	2908.4
12.5°	2907.1	2909.6	2914.7	2926.0	2932.3	2948.6	2937.3	2914.7	2899.6	2888.3	2898.3
15°	2918.4	2921.0	2928.5	2942.3	2952.4	2970.0	2953.6	2922.2	2900.8	2885.7	2894.5
17.5°	2932.3	2936.0	2947.4	2967.5	2983.8	3002.7	2982.6	2944.8	2914.7	2894.5	2902.1
20°	2947.4	2952.4	2970.0	3000.2	3030.3	3054.2	3029.1	2978.8	2942.3	2915.9	2923.5
22.5°	2973.8	2980.1	3002.7	3045.4	3090.7	3125.9	3094.5	3026.6	2978.8	2944.8	2951.1
25°	3027.8	3035.4	3064.3	3115.9	3180.0	3222.7	3178.7	3102.0	3035.4	2993.9	3000.2
27.5°	3123.4	3127.2	3164.9	3232.8	3312.0	3361.0	3308.2	3217.7	3143.5	3095.7	3100.8
30°	3249.1	3260.5	3298.2	3387.5	3481.8	3547.1	3478.0	3371.1	3285.6	3227.8	3232.8
32.5°	3402.5	3410.1	3466.7	3559.7	3695.5	3771.0	3676.7	3549.7	3446.6	3376.1	3381.2
35°	3603.7	3610.0	3664.1	3782.3	3947.0	4017.4	3909.3	3763.4	3644.0	3577.3	3596.2
37.5°	3843.9	3855.2	3894.2	4011.1	4194.7	4263.9	4139.4	4003.6	3879.1	3817.5	3831.3
40°	4101.7	4100.4	4131.8	4234.9	4402.2	4444.9	4333.0	4224.9	4118.0	4077.8	4100.4
42.5°	4323.0	4316.7	4339.3	4424.8	4540.5	4544.3	4470.1	4409.7	4334.3	4306.6	4328.0
45°	4477.6	4480.1	4514.1	4573.2	4632.3	4600.8	4578.2	4568.2	4509.1	4471.3	4475.1
47.5°	4599.6	4609.7	4663.7	4704.0	4711.5	4658.7	4690.1	4705.2	4656.2	4598.3	4582.0
50°	4707.7	4724.1	4794.5	4837.2	4820.9	4754.3	4815.9	4838.5	4730.4	4619.7	4587.0
52.5°	4903.9	4922.7	5008.2	5063.6	5044.7	4978.1	5035.9	4955.4	4773.1	4637.3	4595.8
55°	5217.0	5225.8	5330.1	5420.7	5411.9	5330.1	5283.6	5105.1	4883.8	4742.9	4704.0
57.5°	5150.3	5165.4	5346.5	5587.9	5723.7	5649.5	5376.7	5072.4	4771.9	4602.1	4549.3
60°	4052.6	4089.1	4314.2	4739.2	5237.1	5235.8	4729.1	4256.3	3894.2	3669.1	3646.5
62.5°	2366.4	2391.6	2596.5	3026.6	3473.0	3500.6	3144.8	2820.4	2503.5	2351.3	2278.4
65°	1120.3	1119.1	1200.8	1394.5	1696.2	1720.1	1613.3	1436.0	1248.6	1197.1	1183.2
67.5°	827.4	827.4	821.1	834.9	892.8	905.3	892.8	863.8	846.2	857.6	850.0
70°	718.0	719.2	711.7	707.9	707.9	704.1	709.2	720.5	728.0	743.1	735.6
72.5°	582.2	583.4	583.4	584.7	586.0	580.9	588.5	594.8	596.0	601.0	596.0
75°	413.7	416.2	423.7	430.0	435.1	435.1	437.6	438.8	433.8	440.1	430.0
77.5°	227.6	230.1	243.9	255.3	266.6	267.8	271.6	274.1	271.6	276.6	269.1
80°	125.7	128.3	134.5	139.6	148.4	155.9	160.9	163.5	163.5	167.2	163.5
82.5°	71.7	74.2	78.0	80.5	88.0	94.3	99.3	103.1	103.1	104.4	101.8
85°	33.9	33.9	36.5	39.0	42.8	45.3	51.6	55.3	55.3	57.8	55.3
87.5°	5.0	6.3	7.5	7.5	10.1	12.6	15.1	16.3	18.9	20.1	20.1
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)