

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: P639503

Luminaire Tested: GWS-SA5C-722-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18333 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

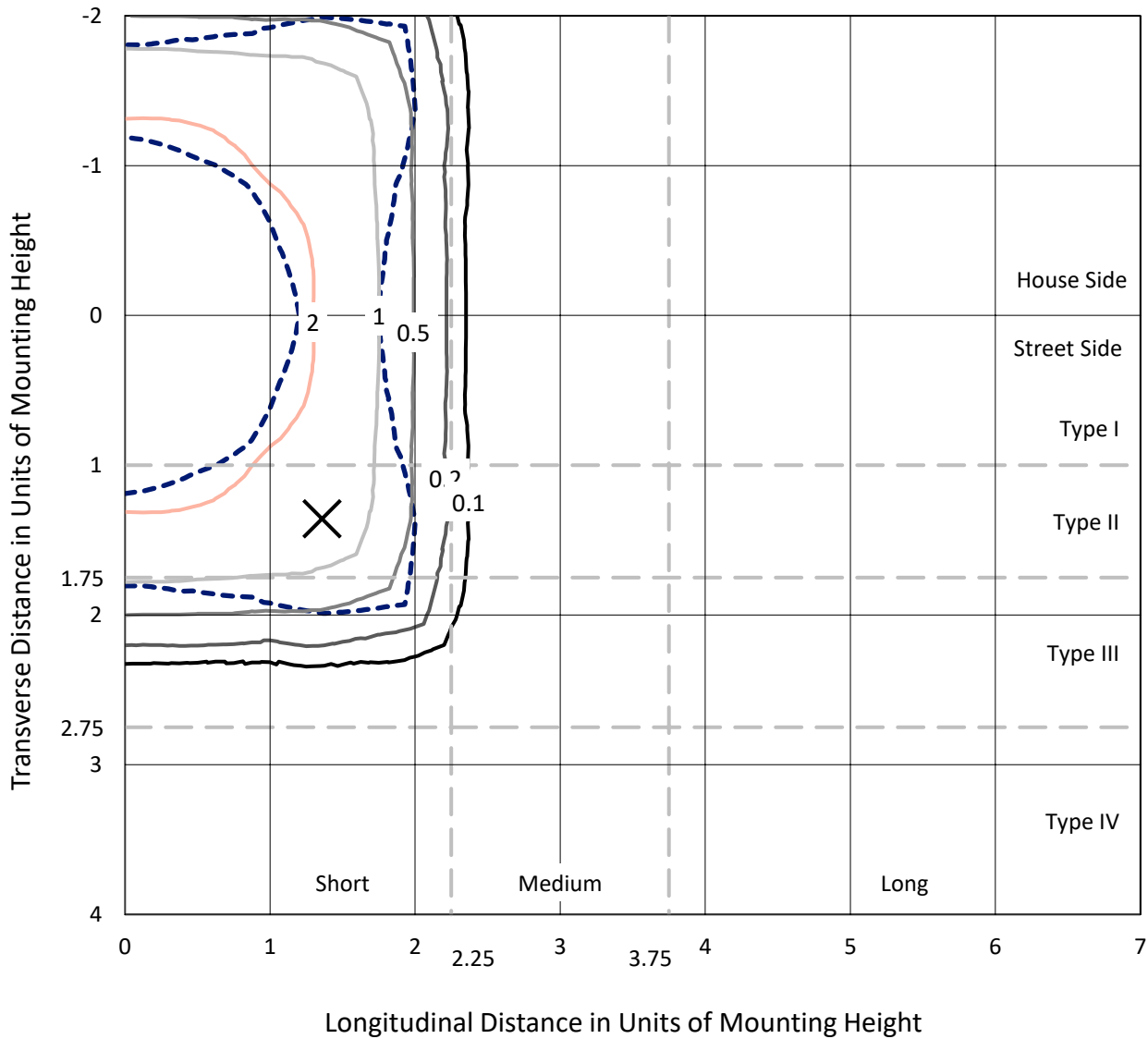
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

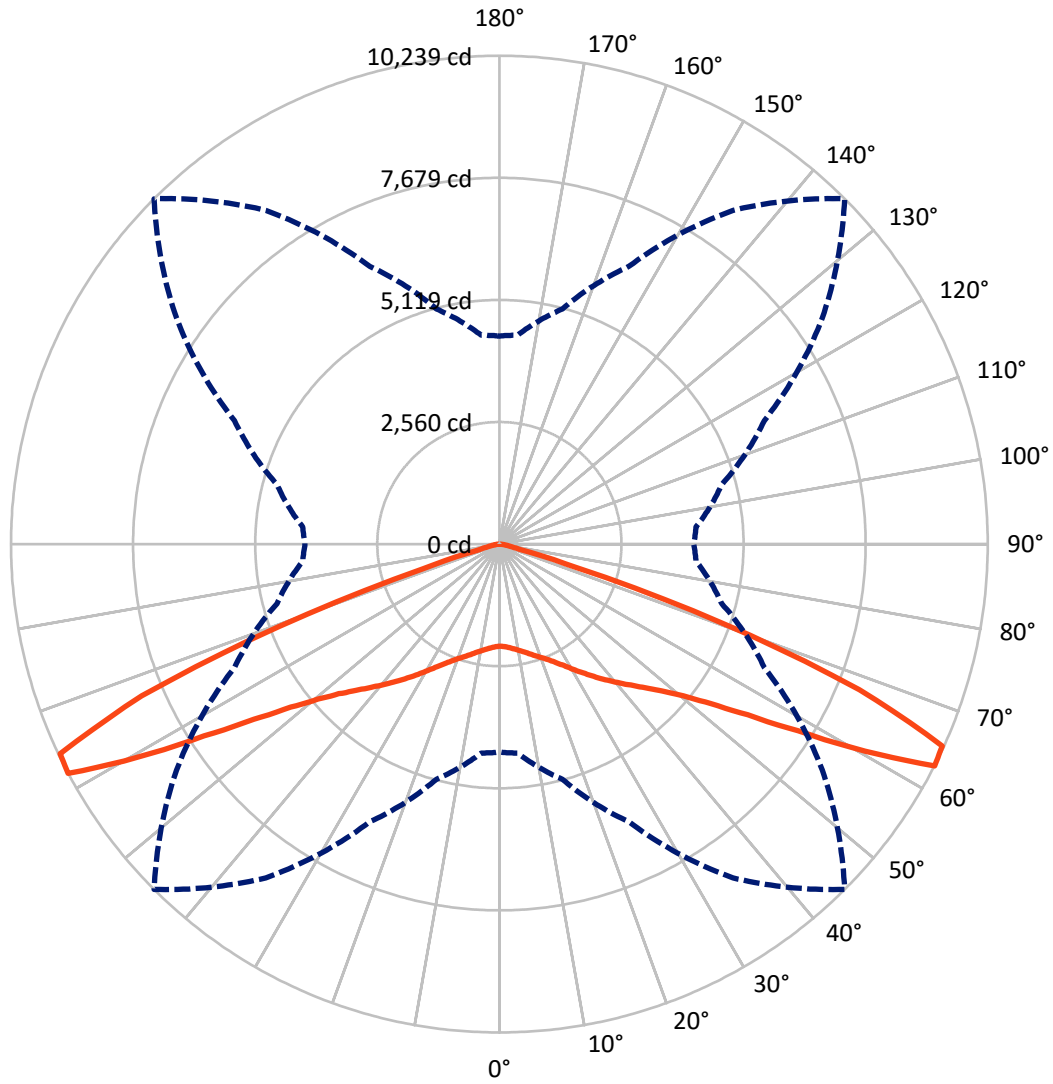
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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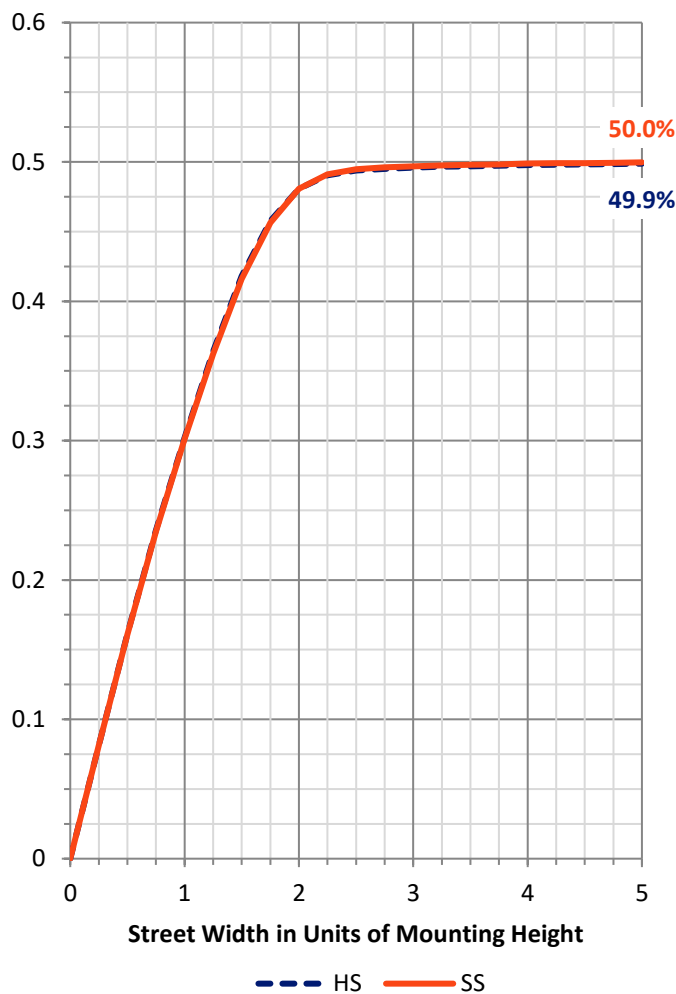
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9166.5	0.0	9166.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9166.5	0.0	9166.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18333.0	0.0	18333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	1.1
10°-20°	676.7	3.7
20°-30°	1280.3	7.0
30°-40°	2154.9	11.8
40°-50°	3442.8	18.8
50°-60°	5549.7	30.3
60°-70°	4527.9	24.7
70°-80°	439.7	2.4
80°-90°	51.2	0.3
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°	18333.0	100.0
0°-180°	18333.0	100.0

Coefficient of Utilization



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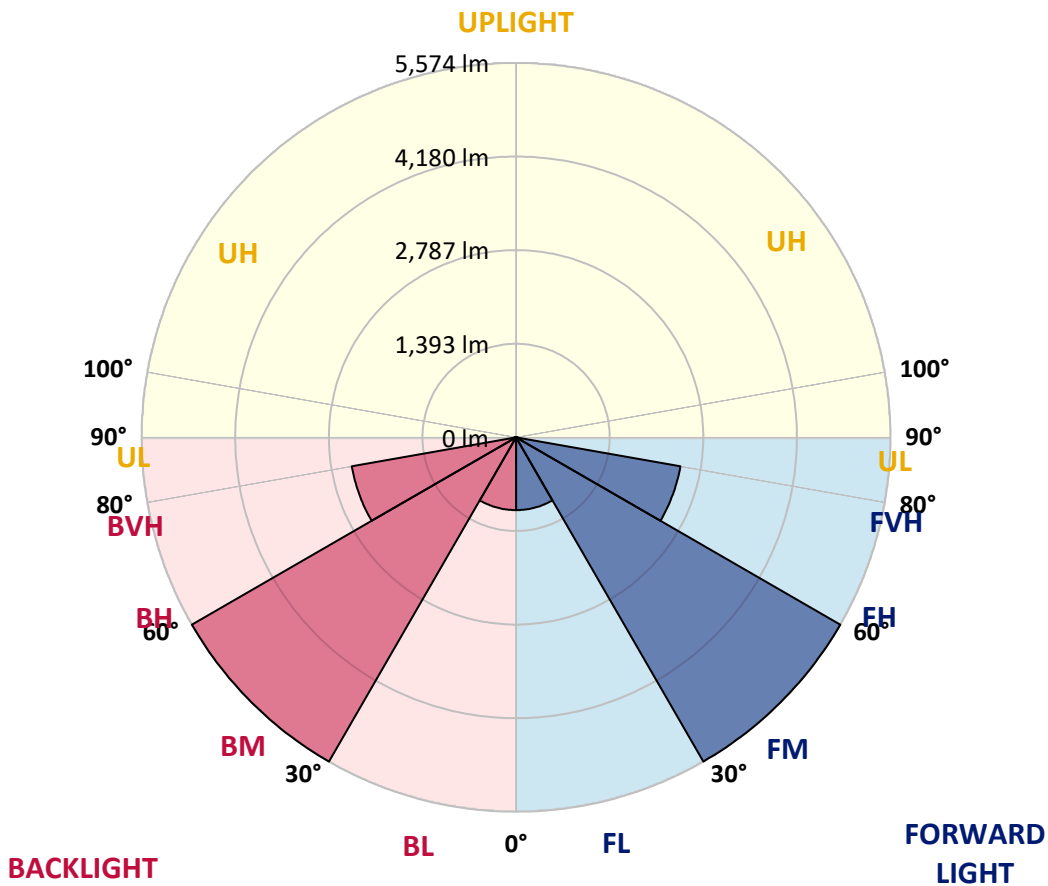
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1083.4	5.9			
FM (30°-60°)	5573.7	30.4			
FH (60°-80°)	2483.8	13.5			G2/5000
FVH (80°-90°)	25.6	0.1			G1/100
BL (0°-30°)	1083.4	5.9	B3/2500		
BM (30°-60°)	5573.7	30.4	B4/8500		
BH (60°-80°)	2483.8	13.5	B3/2500		G2/5000
BVH (80°-90°)	25.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2138.8	2138.8	2138.8	2138.8	2138.8	2138.8	2138.8	2138.8	2138.8	2138.8	2138.8
2.5°	2136.3	2136.3	2141.3	2145.1	2142.6	2152.6	2151.4	2148.9	2147.6	2143.8	2155.1
5°	2165.2	2165.2	2169.0	2172.7	2166.5	2179.0	2174.0	2171.5	2170.2	2165.2	2175.3
7.5°	2197.9	2201.7	2202.9	2209.2	2205.4	2219.3	2215.5	2210.5	2207.9	2201.7	2210.5
10°	2234.4	2236.9	2238.1	2249.4	2250.7	2267.0	2263.3	2257.0	2252.0	2245.7	2258.2
12.5°	2283.4	2284.6	2288.4	2302.3	2306.0	2318.6	2317.3	2308.5	2302.3	2293.4	2307.3
15°	2346.3	2347.5	2353.8	2367.6	2373.9	2389.0	2384.0	2370.1	2361.3	2351.3	2362.6
17.5°	2411.6	2416.7	2423.0	2436.8	2445.6	2463.2	2456.9	2441.8	2434.3	2424.2	2431.8
20°	2495.9	2497.1	2500.9	2516.0	2522.3	2542.4	2543.7	2528.6	2524.8	2514.7	2526.1
22.5°	2588.9	2590.2	2594.0	2610.3	2621.6	2634.2	2641.7	2632.9	2626.7	2614.1	2627.9
25°	2692.0	2704.6	2708.4	2728.5	2741.1	2748.6	2757.4	2753.6	2744.8	2729.8	2736.0
27.5°	2836.6	2839.1	2845.4	2868.1	2875.6	2883.2	2892.0	2893.2	2880.6	2863.0	2871.8
30°	3001.3	3000.1	3013.9	3031.5	3037.8	3044.1	3056.7	3064.2	3047.9	3029.0	3037.8
32.5°	3169.8	3184.9	3202.5	3218.9	3215.1	3217.6	3237.7	3251.6	3228.9	3195.0	3202.5
35°	3359.7	3369.8	3392.4	3416.3	3411.3	3407.5	3420.1	3433.9	3402.5	3358.4	3369.8
37.5°	3554.6	3569.7	3603.6	3632.6	3625.0	3607.4	3621.2	3636.3	3606.1	3555.9	3550.8
40°	3772.1	3796.0	3845.0	3868.9	3848.8	3814.9	3838.8	3875.2	3845.0	3787.2	3773.4
42.5°	4027.4	4056.3	4105.3	4141.8	4097.8	4042.5	4082.7	4135.5	4128.0	4051.3	4027.4
45°	4343.0	4361.8	4422.2	4439.8	4374.4	4297.7	4370.6	4451.1	4432.2	4349.3	4317.8
47.5°	4686.2	4715.1	4768.0	4800.7	4695.0	4599.5	4701.3	4809.5	4789.3	4711.4	4674.9
50°	5123.8	5161.5	5230.7	5258.3	5112.5	5003.1	5133.9	5270.9	5231.9	5127.6	5079.8
52.5°	5600.3	5630.5	5748.7	5804.0	5667.0	5548.8	5663.2	5797.7	5714.8	5576.4	5512.3
55°	6020.3	6050.5	6224.0	6407.6	6401.3	6319.6	6377.4	6379.9	6154.8	5926.0	5858.1
57.5°	6110.8	6141.0	6471.7	6952.0	7291.5	7385.8	7216.1	6859.0	6291.9	5890.8	5814.1
60°	5628.0	5662.0	6187.5	7065.2	8181.7	8811.7	8029.6	6848.9	5868.2	5325.0	5252.0
62.5°	4360.6	4397.0	5103.7	6421.4	8541.3	10238.8	8266.0	6128.4	4827.1	4139.3	4075.1
65°	2082.2	2082.2	2980.0	4605.8	7824.6	10204.8	7582.0	4534.1	2905.8	2231.8	2176.5
67.5°	515.5	518.0	767.0	1793.0	5322.5	8144.0	5409.2	2176.5	1023.5	724.2	705.4
70°	321.9	320.6	355.8	485.3	1862.2	4942.7	2211.7	656.3	416.2	367.2	364.6
72.5°	250.2	250.2	267.8	310.6	487.9	1683.6	645.0	364.6	301.8	271.6	271.6
75°	197.4	197.4	210.0	232.6	287.9	433.8	343.3	270.3	233.9	213.8	211.2
77.5°	147.1	149.6	159.7	174.8	196.2	243.9	217.5	203.7	182.3	167.2	162.2
80°	95.6	99.3	111.9	120.7	128.3	160.9	142.1	148.4	138.3	120.7	118.2
82.5°	51.6	52.8	67.9	70.4	72.9	88.0	90.5	94.3	98.1	76.7	71.7
85°	18.9	18.9	22.6	26.4	28.9	31.4	42.8	52.8	55.3	44.0	42.8
87.5°	3.8	3.8	3.8	2.5	2.5	2.5	7.5	13.8	22.6	17.6	17.6
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)