

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: P639663

Luminaire Tested: GWS-SA5C-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14349.8 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

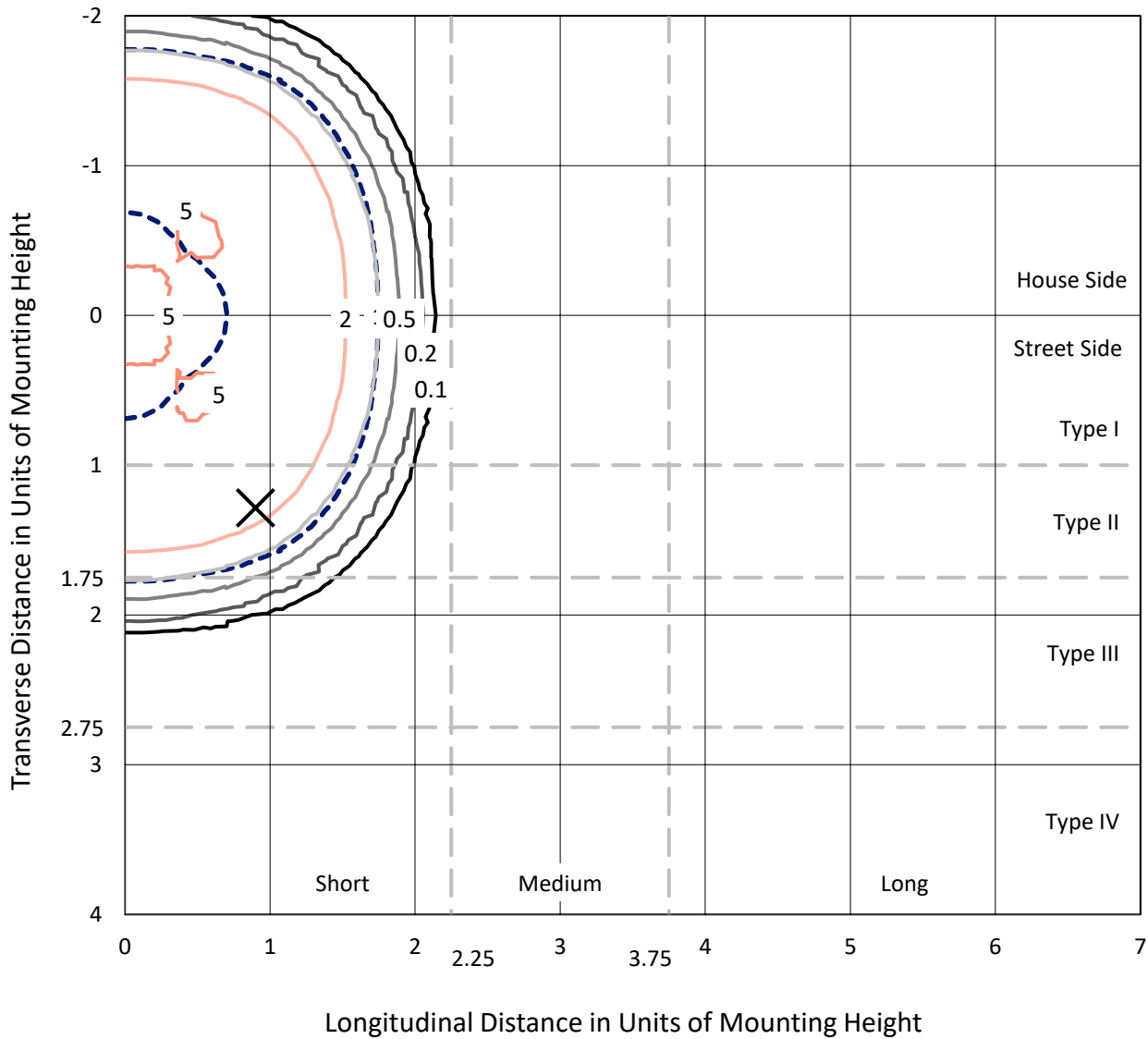
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

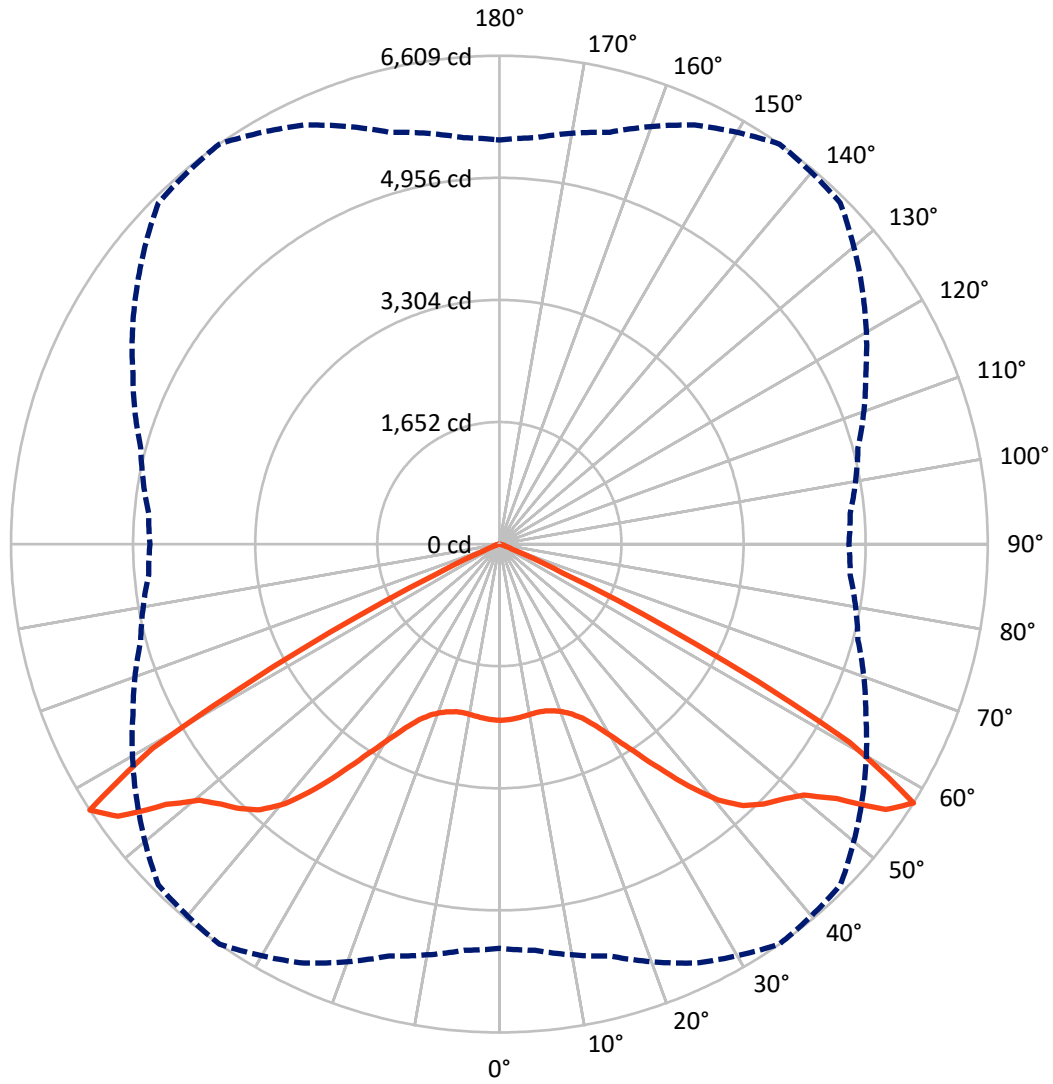
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 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	7174.9	0.0	7174.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7174.9	0.0	7174.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	14349.8	0.0	14349.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	1.6
10°-20°	661.2	4.6
20°-30°	1195.2	8.3
30°-40°	2229.7	15.5
40°-50°	3740.3	26.1
50°-60°	4939.5	34.4
60°-70°	1311.8	9.1
70°-80°	46.6	0.3
80°-90°	0.8	0.0
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°	14349.8	100.0
0°-180°	14349.8	100.0

Coefficient of Utilization



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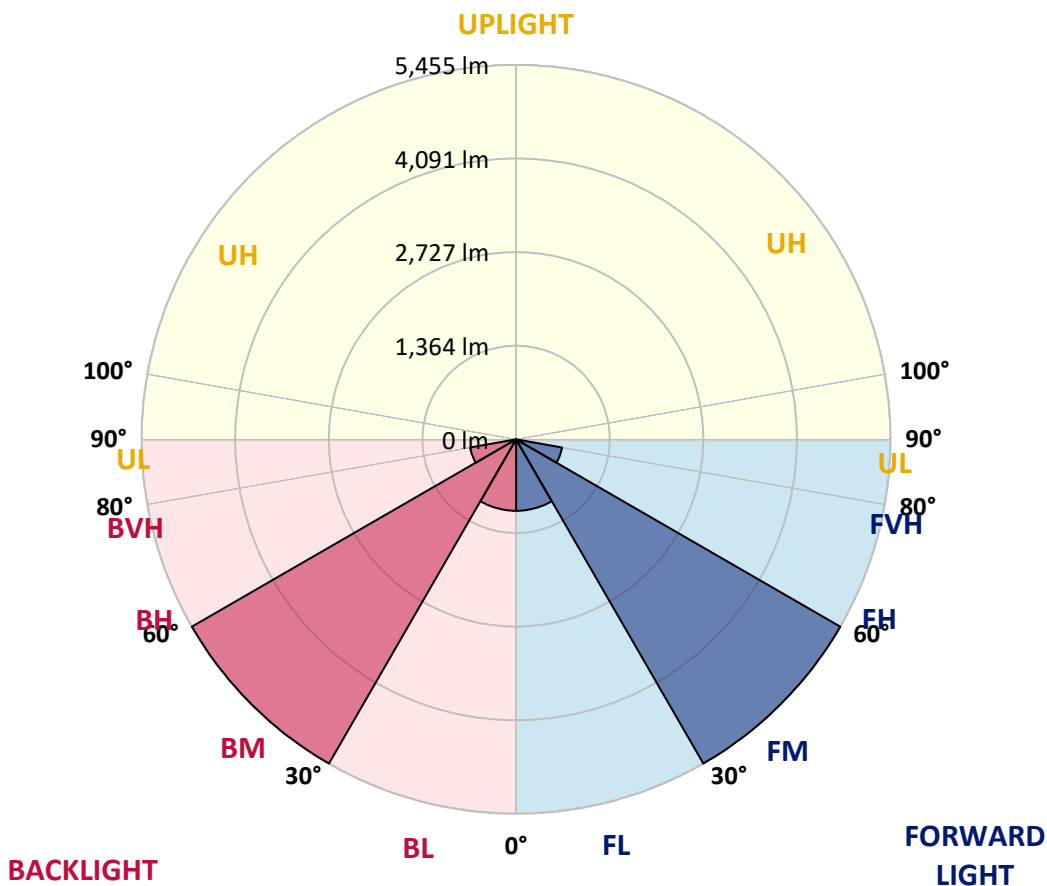
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1040.6	7.3			
FM (30°-60°)	5454.7	38.0			
FH (60°-80°)	679.2	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1040.6	7.3	B3/2500		
BM (30°-60°)	5454.7	38.0	B4/8500		
BH (60°-80°)	679.2	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.4	0.0			G0/10
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°	2385.8	2385.8	2385.8	2385.8	2385.8	2385.8	2385.8	2385.8	2385.8	2385.8	2385.8
2.5°	2368.9	2367.3	2374.0	2379.0	2379.0	2390.8	2387.5	2384.1	2380.7	2375.7	2387.5
5°	2365.6	2363.9	2368.9	2372.3	2368.9	2379.0	2372.3	2365.6	2362.2	2355.5	2368.9
7.5°	2350.4	2352.1	2355.5	2358.8	2353.8	2362.2	2353.8	2343.7	2335.3	2328.5	2340.3
10°	2326.9	2328.5	2331.9	2338.6	2340.3	2352.1	2340.3	2321.8	2310.0	2299.9	2311.7
12.5°	2315.1	2316.8	2321.8	2330.2	2331.9	2347.1	2331.9	2305.0	2288.1	2276.3	2288.1
15°	2318.4	2321.8	2328.5	2338.6	2342.0	2357.2	2337.0	2301.6	2278.0	2262.9	2273.0
17.5°	2330.2	2333.6	2343.7	2360.5	2372.3	2387.5	2362.2	2316.8	2284.8	2262.9	2273.0
20°	2345.4	2350.4	2367.3	2394.2	2419.5	2446.4	2414.4	2352.1	2310.0	2283.1	2291.5
22.5°	2387.5	2392.5	2416.1	2451.4	2493.5	2527.2	2488.5	2409.4	2352.1	2316.8	2325.2
25°	2473.3	2478.4	2508.7	2554.2	2608.0	2651.8	2603.0	2503.6	2429.6	2389.2	2392.5
27.5°	2608.0	2613.1	2648.4	2712.4	2784.8	2847.1	2776.4	2660.2	2576.0	2528.9	2528.9
30°	2778.1	2784.8	2832.0	2917.8	3030.6	3113.1	3017.2	2875.7	2768.0	2704.0	2705.7
32.5°	2997.0	2990.2	3057.6	3175.4	3335.4	3444.8	3303.4	3131.7	2998.6	2909.4	2917.8
35°	3278.1	3276.5	3352.2	3512.2	3720.9	3852.3	3683.9	3461.7	3301.7	3210.8	3212.5
37.5°	3640.1	3638.4	3726.0	3899.4	4150.3	4259.7	4071.2	3845.5	3673.8	3586.3	3596.4
40°	4064.4	4054.3	4131.8	4298.5	4549.3	4620.0	4414.6	4232.8	4067.8	4012.2	4039.2
42.5°	4468.5	4446.6	4492.1	4643.6	4837.2	4847.3	4692.4	4567.8	4455.0	4411.3	4428.1
45°	4793.5	4776.6	4818.7	4906.3	5017.4	4966.9	4892.8	4854.1	4763.1	4716.0	4731.2
47.5°	5035.9	5035.9	5086.4	5140.3	5157.1	5064.5	5076.3	5076.3	4985.4	4911.3	4892.8
50°	5244.7	5259.8	5335.6	5391.2	5335.6	5217.7	5285.1	5271.6	5086.4	4938.3	4899.5
52.5°	5578.1	5593.2	5709.4	5785.1	5722.8	5606.7	5615.1	5446.7	5174.0	4998.9	4938.3
55°	5931.6	5968.7	6137.0	6339.1	6340.8	6221.2	5999.0	5701.0	5369.3	5179.0	5116.7
57.5°	5468.6	5519.1	5770.0	6256.6	6608.5	6526.0	5995.6	5472.0	5024.1	4764.8	4729.5
60°	3763.0	3850.6	4101.5	4766.5	5445.0	5477.0	4850.7	4263.1	3749.6	3429.7	3436.4
62.5°	1589.4	1678.6	1820.1	2367.3	2990.2	3029.0	2725.9	2305.0	1885.7	1655.1	1690.4
65°	373.8	399.0	441.1	655.0	949.6	993.4	915.9	713.9	527.0	446.2	454.6
67.5°	163.3	166.7	158.3	168.4	208.8	213.8	207.1	181.8	171.7	175.1	175.1
70°	114.5	116.2	109.4	104.4	99.3	92.6	96.0	106.1	114.5	121.2	119.5
72.5°	70.7	72.4	74.1	74.1	69.0	62.3	65.7	72.4	74.1	75.8	74.1
75°	35.4	37.0	40.4	42.1	40.4	38.7	38.7	40.4	40.4	38.7	38.7
77.5°	6.7	8.4	11.8	13.5	13.5	13.5	13.5	13.5	15.2	13.5	13.5
80°	1.7	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
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)