

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: P634824

Luminaire Tested: GWS-SA3C-750-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634824
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-SA3C-750-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12493.9 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 93
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

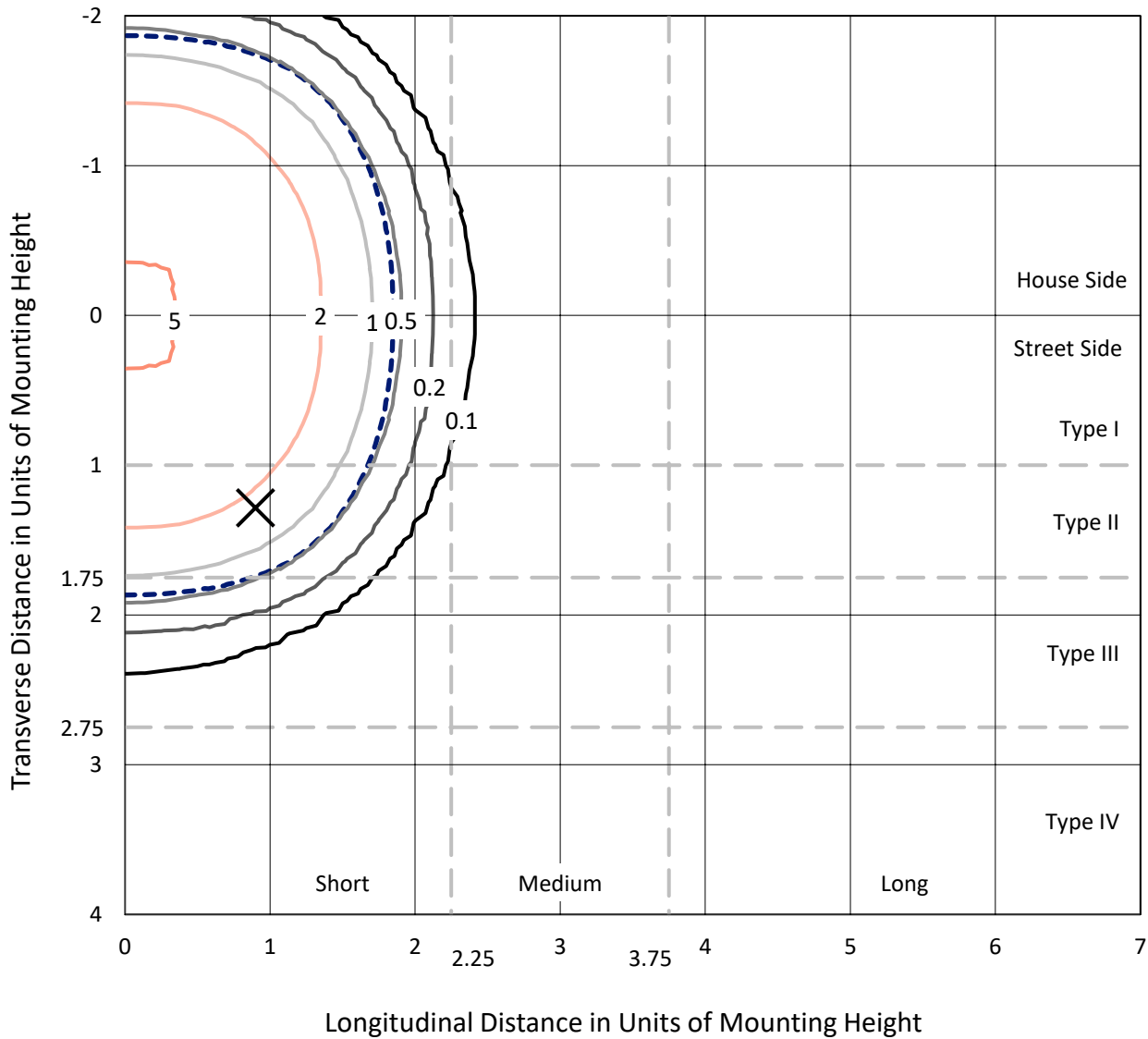


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Iso-Footcandle Lines of Horizontal Illumination

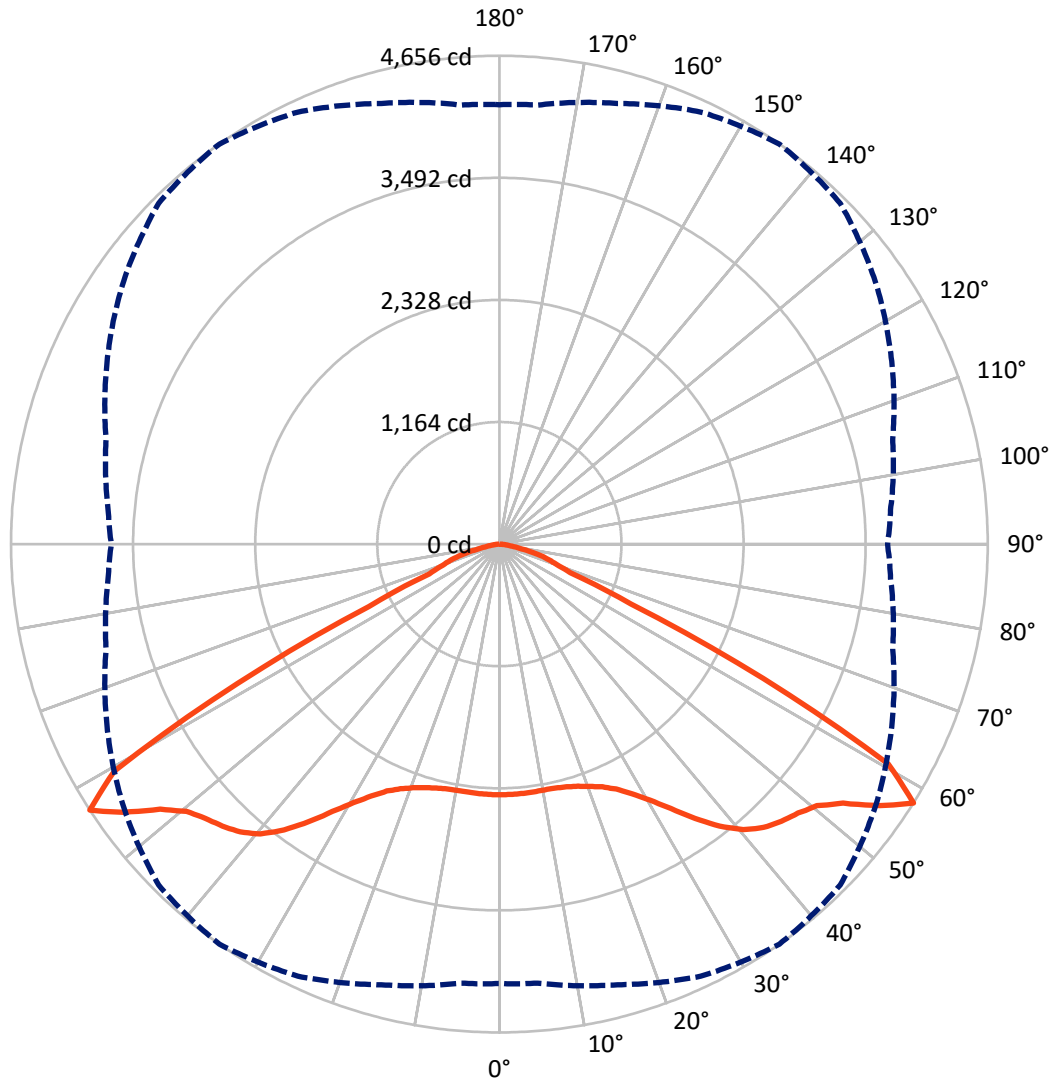
✕ Max cd
 - - - 1/2 Max cd



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	6246.9	0.0	6246.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6246.9	0.0	6246.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12493.9	0.0	12493.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.4	1.8
10°-20°	678.5	5.4
20°-30°	1183.9	9.5
30°-40°	1941.3	15.5
40°-50°	2859.1	22.9
50°-60°	3648.7	29.2
60°-70°	1537.7	12.3
70°-80°	367.3	2.9
80°-90°	50.0	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°	12493.9	100.0
0°-180°	12493.9	100.0

Coefficient of Utilization



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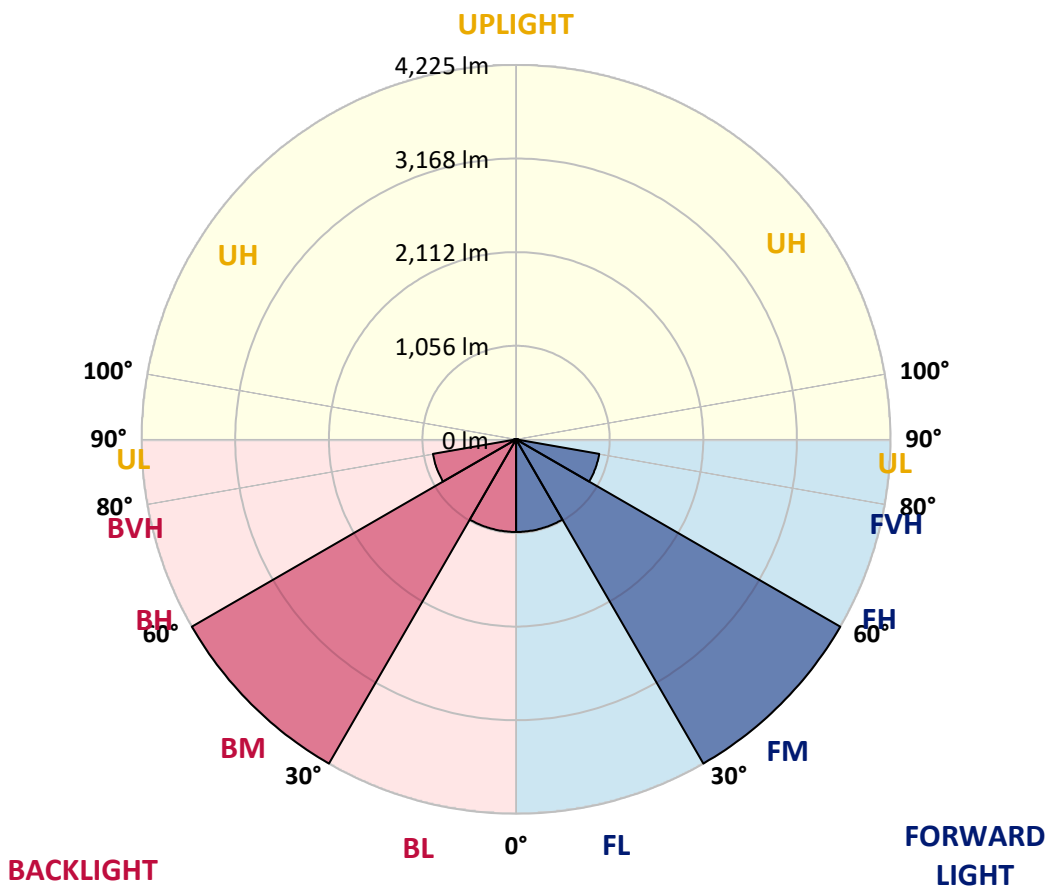
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1044.9	8.4			
FM (30°-60°)	4224.5	33.8			
FH (60°-80°)	952.5	7.6			G1/1800
FVH (80°-90°)	25.0	0.2			G1/100
BL (0°-30°)	1044.9	8.4	B3/2500		
BM (30°-60°)	4224.5	33.8	B3/5000		
BH (60°-80°)	952.5	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6	2390.6
2.5°	2376.2	2376.2	2381.4	2386.5	2388.5	2397.7	2396.7	2393.6	2391.6	2385.5	2393.6
5°	2381.4	2381.4	2385.5	2388.5	2387.5	2394.7	2391.6	2386.5	2383.4	2377.3	2386.5
7.5°	2380.3	2380.3	2383.4	2386.5	2384.4	2390.6	2385.5	2378.3	2373.2	2367.0	2375.2
10°	2367.0	2369.1	2372.2	2379.3	2382.4	2391.6	2384.4	2373.2	2365.0	2357.8	2366.0
12.5°	2365.0	2367.0	2371.1	2380.3	2385.5	2398.7	2389.5	2371.1	2358.9	2349.6	2357.8
15°	2374.2	2376.2	2382.4	2393.6	2401.8	2416.1	2402.8	2377.3	2359.9	2347.6	2354.8
17.5°	2385.5	2388.5	2397.7	2414.1	2427.4	2442.7	2426.4	2395.7	2371.1	2354.8	2360.9
20°	2397.7	2401.8	2416.1	2440.7	2465.2	2484.7	2464.2	2423.3	2393.6	2372.2	2378.3
22.5°	2419.2	2424.3	2442.7	2477.5	2514.3	2543.0	2517.4	2462.2	2423.3	2395.7	2400.8
25°	2463.2	2469.3	2492.9	2534.8	2587.0	2621.7	2585.9	2523.5	2469.3	2435.6	2440.7
27.5°	2540.9	2544.0	2574.7	2629.9	2694.4	2734.3	2691.3	2617.7	2557.3	2518.4	2522.5
30°	2643.2	2652.4	2683.1	2755.7	2832.5	2885.7	2829.4	2742.4	2672.9	2625.8	2629.9
32.5°	2768.0	2774.2	2820.2	2895.9	3006.4	3067.7	2991.0	2887.7	2803.8	2746.5	2750.6
35°	2931.7	2936.8	2980.8	3076.9	3210.9	3268.2	3180.3	3061.6	2964.4	2910.2	2925.6
37.5°	3127.1	3136.3	3168.0	3263.1	3412.5	3468.7	3367.5	3257.0	3155.7	3105.6	3116.8
40°	3336.8	3335.7	3361.3	3445.2	3581.2	3616.0	3525.0	3437.0	3350.1	3317.3	3335.7
42.5°	3516.8	3511.7	3530.1	3599.7	3693.8	3696.8	3636.5	3587.4	3526.0	3503.5	3520.9
45°	3642.6	3644.7	3672.3	3720.4	3768.4	3742.9	3724.5	3716.3	3668.2	3637.5	3640.6
47.5°	3741.8	3750.0	3794.0	3826.7	3832.9	3789.9	3815.5	3827.8	3787.9	3740.8	3727.5
50°	3829.8	3843.1	3900.4	3935.2	3921.9	3867.7	3917.8	3936.2	3848.2	3758.2	3731.6
52.5°	3989.4	4004.7	4074.3	4119.3	4104.0	4049.7	4096.8	4031.3	3883.0	3772.5	3738.8
55°	4244.1	4251.3	4336.2	4409.8	4402.6	4336.2	4298.3	4153.1	3973.0	3858.5	3826.7
57.5°	4189.9	4202.2	4349.5	4545.9	4656.3	4596.0	4374.0	4126.5	3882.0	3743.9	3700.9
60°	3296.9	3326.5	3509.6	3855.4	4260.5	4259.4	3847.2	3462.6	3168.0	2984.9	2966.5
62.5°	1925.1	1945.6	2112.3	2462.2	2825.3	2847.8	2558.3	2294.4	2036.6	1912.9	1853.5
65°	911.4	910.4	976.9	1134.4	1379.9	1399.4	1312.4	1168.2	1015.8	973.8	962.6
67.5°	673.1	673.1	668.0	679.2	726.3	736.5	726.3	702.7	688.4	697.6	691.5
70°	584.1	585.1	579.0	575.9	575.9	572.8	576.9	586.1	592.3	604.5	598.4
72.5°	473.6	474.6	474.6	475.7	476.7	472.6	478.7	483.8	484.9	489.0	484.9
75°	336.5	338.6	344.7	349.8	353.9	353.9	356.0	357.0	352.9	358.0	349.8
77.5°	185.1	187.2	198.4	207.7	216.9	217.9	221.0	223.0	221.0	225.0	218.9
80°	102.3	104.3	109.5	113.5	120.7	126.8	130.9	133.0	133.0	136.0	133.0
82.5°	58.3	60.4	63.4	65.5	71.6	76.7	80.8	83.9	83.9	84.9	82.9
85°	27.6	27.6	29.7	31.7	34.8	36.8	41.9	45.0	45.0	47.1	45.0
87.5°	4.1	5.1	6.1	6.1	8.2	10.2	12.3	13.3	15.3	16.4	16.4
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)