

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: P637024

Luminaire Tested: GWS-SA4C-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637024
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-SA4C-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12519.6 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 128.5
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

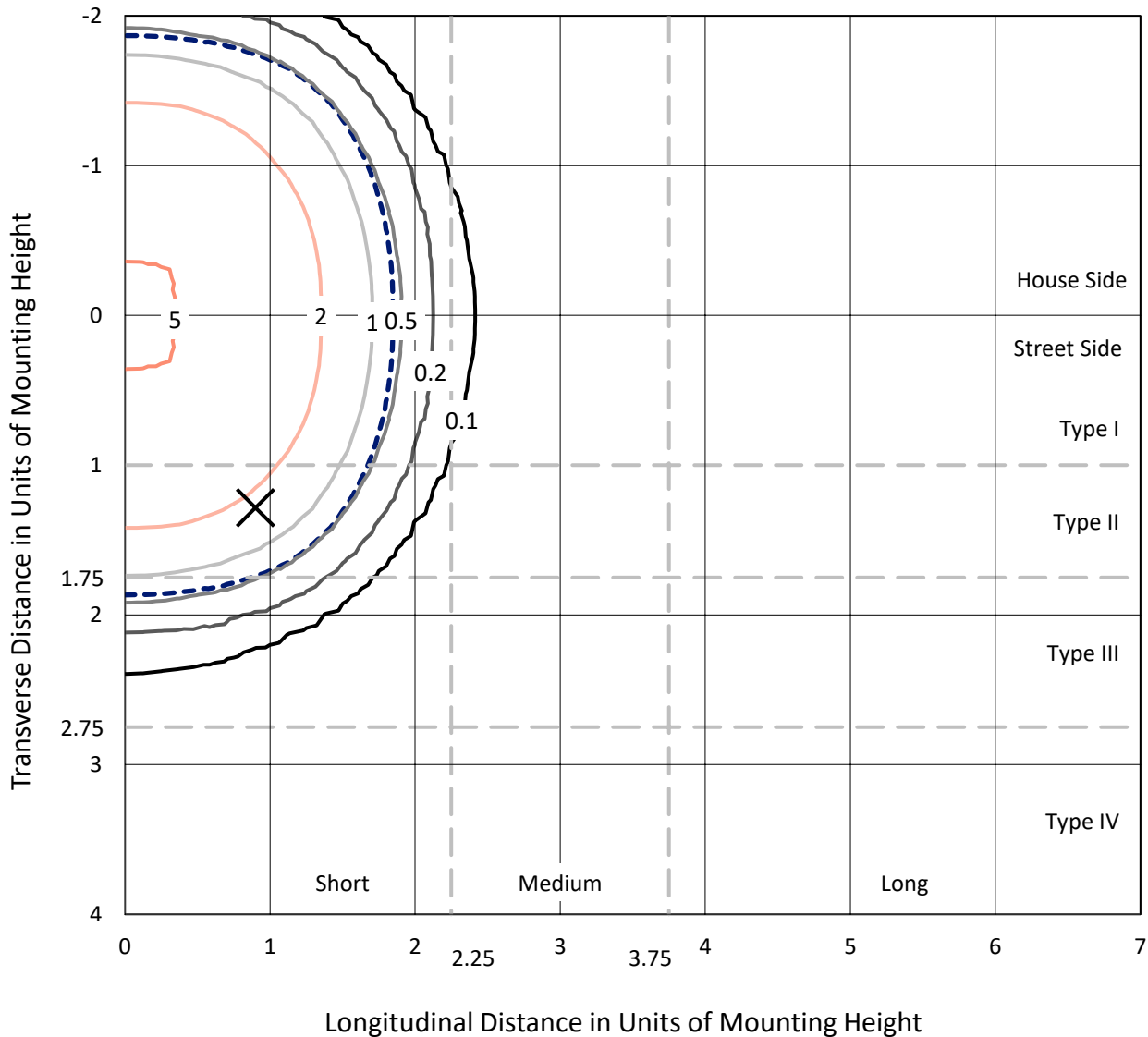


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Iso-Footcandle Lines of Horizontal Illumination

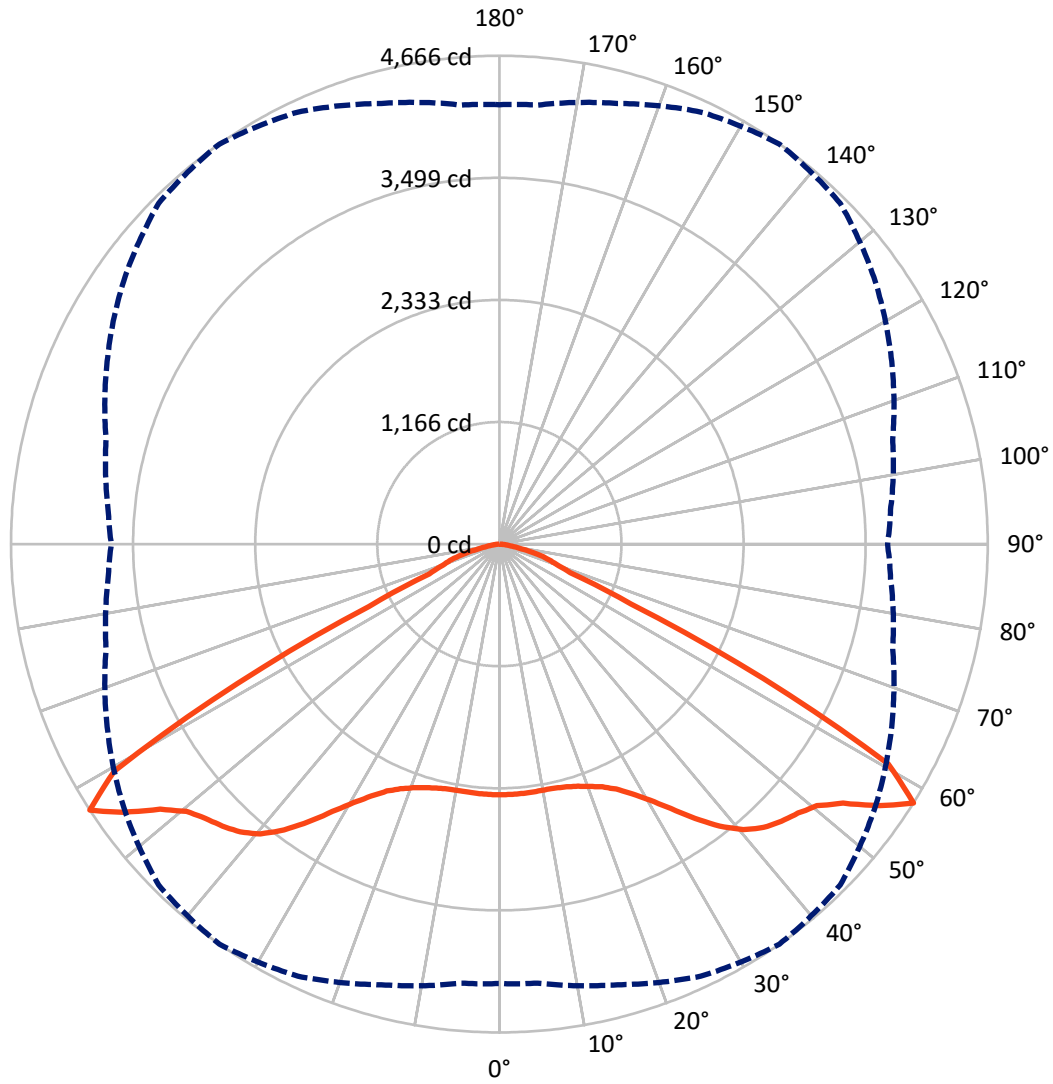
✕ Max cd
 - - - 1/2 Max cd



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	6259.8	0.0	6259.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6259.8	0.0	6259.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	12519.6	0.0	12519.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	1.8
10°-20°	679.9	5.4
20°-30°	1186.3	9.5
30°-40°	1945.3	15.5
40°-50°	2865.0	22.9
50°-60°	3656.2	29.2
60°-70°	1540.9	12.3
70°-80°	368.1	2.9
80°-90°	50.1	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°	12519.6	100.0
0°-180°	12519.6	100.0

Coefficient of Utilization



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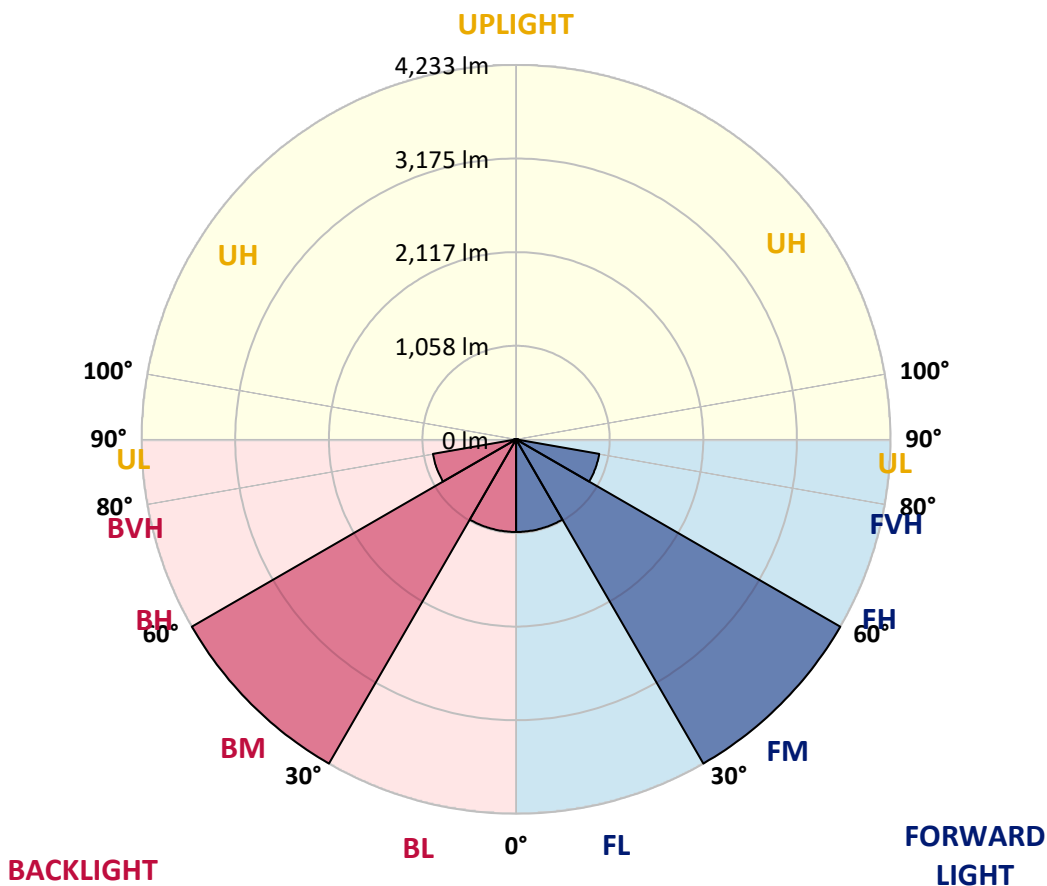
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1047.1	8.4			
FM (30°-60°)	4233.2	33.8			
FH (60°-80°)	954.5	7.6			G1/1800
FVH (80°-90°)	25.1	0.2			G1/100
BL (0°-30°)	1047.1	8.4	B3/2500		
BM (30°-60°)	4233.2	33.8	B3/5000		
BH (60°-80°)	954.5	7.6	B2/1000		G1/1800
BVH (80°-90°)	25.1	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°	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5	2395.5
2.5°	2381.1	2381.1	2386.3	2391.4	2393.4	2402.7	2401.6	2398.6	2396.5	2390.4	2398.6
5°	2386.3	2386.3	2390.4	2393.4	2392.4	2399.6	2396.5	2391.4	2388.3	2382.2	2391.4
7.5°	2385.2	2385.2	2388.3	2391.4	2389.3	2395.5	2390.4	2383.2	2378.1	2371.9	2380.1
10°	2371.9	2374.0	2377.0	2384.2	2387.3	2396.5	2389.3	2378.1	2369.9	2362.7	2370.9
12.5°	2369.9	2371.9	2376.0	2385.2	2390.4	2403.7	2394.5	2376.0	2363.7	2354.5	2362.7
15°	2379.1	2381.1	2387.3	2398.6	2406.8	2421.1	2407.8	2382.2	2364.7	2352.4	2359.6
17.5°	2390.4	2393.4	2402.7	2419.1	2432.4	2447.8	2431.4	2400.6	2376.0	2359.6	2365.8
20°	2402.7	2406.8	2421.1	2445.7	2470.3	2489.8	2469.3	2428.3	2398.6	2377.0	2383.2
22.5°	2424.2	2429.3	2447.8	2482.6	2519.5	2548.2	2522.6	2467.2	2428.3	2400.6	2405.7
25°	2468.3	2474.4	2498.0	2540.0	2592.3	2627.1	2591.3	2528.7	2474.4	2440.6	2445.7
27.5°	2546.2	2549.2	2580.0	2635.3	2699.9	2739.9	2696.8	2623.0	2562.6	2523.6	2527.7
30°	2648.7	2657.9	2688.6	2761.4	2838.3	2891.6	2835.2	2748.1	2678.4	2631.2	2635.3
32.5°	2773.7	2779.9	2826.0	2901.8	3012.5	3074.0	2997.2	2893.6	2809.6	2752.2	2756.3
35°	2937.7	2942.8	2986.9	3083.3	3217.6	3275.0	3186.8	3067.9	2970.5	2916.2	2931.6
37.5°	3133.5	3142.7	3174.5	3269.8	3419.5	3475.9	3374.4	3263.7	3162.2	3112.0	3123.2
40°	3343.6	3342.6	3368.2	3452.3	3588.6	3623.5	3532.2	3444.1	3357.0	3324.2	3342.6
42.5°	3524.0	3518.9	3537.4	3607.1	3701.4	3704.4	3644.0	3594.8	3533.3	3510.7	3528.1
45°	3650.1	3652.2	3679.8	3728.0	3776.2	3750.6	3732.1	3723.9	3675.7	3645.0	3648.1
47.5°	3749.5	3757.7	3801.8	3834.6	3840.8	3797.7	3823.3	3835.6	3795.7	3748.5	3735.2
50°	3837.7	3851.0	3908.4	3943.3	3929.9	3875.6	3925.8	3944.3	3856.1	3765.9	3739.3
52.5°	3997.6	4013.0	4082.7	4127.8	4112.4	4058.1	4105.2	4039.6	3891.0	3780.3	3746.5
55°	4252.8	4260.0	4345.1	4418.9	4411.7	4345.1	4307.2	4161.6	3981.2	3866.4	3834.6
57.5°	4198.5	4210.8	4358.4	4555.2	4665.9	4605.4	4383.0	4134.9	3890.0	3751.6	3708.5
60°	3303.7	3333.4	3516.9	3863.3	4269.2	4268.2	3855.1	3469.7	3174.5	2991.0	2972.6
62.5°	1929.1	1949.6	2116.7	2467.2	2831.1	2853.7	2563.6	2299.1	2040.8	1916.8	1857.3
65°	913.3	912.3	978.9	1136.8	1382.8	1402.2	1315.1	1170.6	1017.8	975.8	964.5
67.5°	674.5	674.5	669.3	680.6	727.8	738.0	727.8	704.2	689.8	699.1	692.9
70°	585.3	586.3	580.2	577.1	577.1	574.0	578.1	587.3	593.5	605.8	599.6
72.5°	474.6	475.6	475.6	476.6	477.7	473.6	479.7	484.8	485.9	490.0	485.9
75°	337.2	339.3	345.4	350.6	354.7	354.7	356.7	357.7	353.6	358.8	350.6
77.5°	185.5	187.6	198.9	208.1	217.3	218.3	221.4	223.5	221.4	225.5	219.4
80°	102.5	104.6	109.7	113.8	121.0	127.1	131.2	133.3	133.3	136.3	133.3
82.5°	58.4	60.5	63.6	65.6	71.8	76.9	81.0	84.1	84.1	85.1	83.0
85°	27.7	27.7	29.7	31.8	34.9	36.9	42.0	45.1	45.1	47.2	45.1
87.5°	4.1	5.1	6.2	6.2	8.2	10.3	12.3	13.3	15.4	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)