

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: P634714

Luminaire Tested: GWS-SA3C-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634714  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12046.6 lumens  
Efficiency: N/A  
Efficacy: 129.5 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

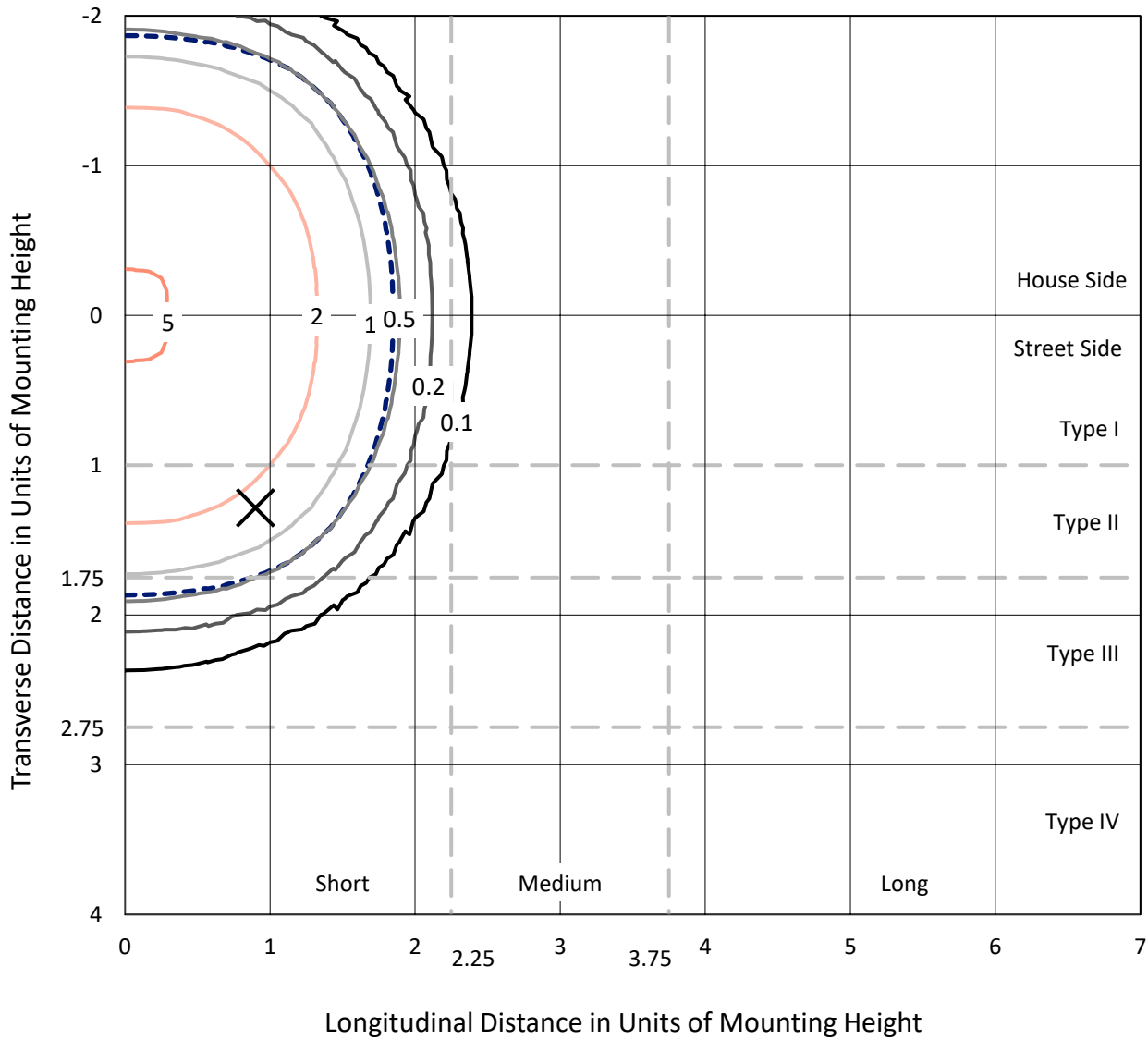


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### Iso-Footcandle Lines of Horizontal Illumination

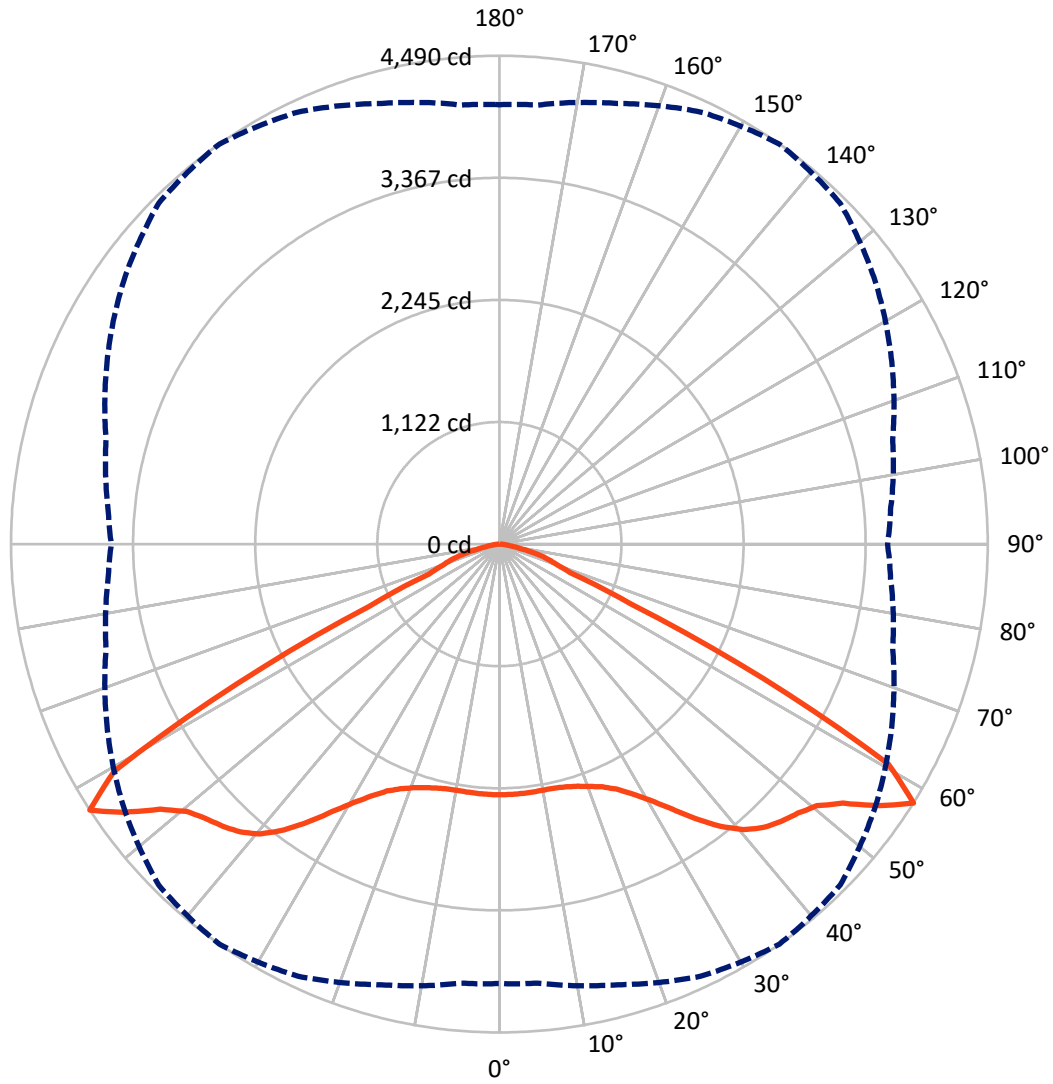
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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
<b>House Side</b>	Lumens	6023.3	0.0	6023.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6023.3	0.0	6023.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12046.6	0.0	12046.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.3	1.8
10°-20°	654.2	5.4
20°-30°	1141.5	9.5
30°-40°	1871.8	15.5
40°-50°	2756.7	22.9
50°-60°	3518.0	29.2
60°-70°	1482.7	12.3
70°-80°	354.2	2.9
80°-90°	48.2	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°	12046.6	100.0
0°-180°	12046.6	100.0

**Coefficient of Utilization**



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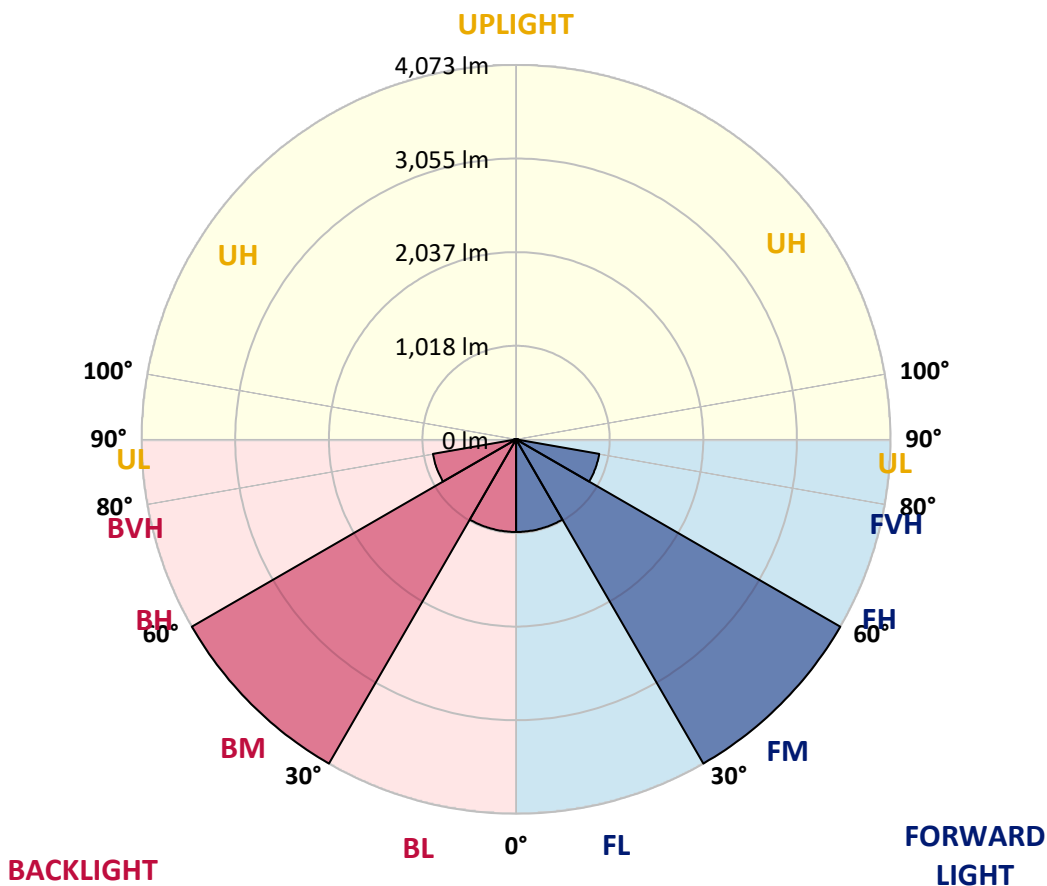
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.5	8.4			
FM (30°-60°)	4073.3	33.8			
FH (60°-80°)	918.4	7.6			G1/1800
FVH (80°-90°)	24.1	0.2			G1/100
BL (0°-30°)	1007.5	8.4	B3/2500		
BM (30°-60°)	4073.3	33.8	B3/5000		
BH (60°-80°)	918.4	7.6	B2/1000		G1/1800
BVH (80°-90°)	24.1	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°	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0	2305.0
2.5°	2291.2	2291.2	2296.1	2301.0	2303.0	2311.9	2310.9	2307.9	2306.0	2300.0	2307.9
5°	2296.1	2296.1	2300.0	2303.0	2302.0	2308.9	2306.0	2301.0	2298.1	2292.2	2301.0
7.5°	2295.1	2295.1	2298.1	2301.0	2299.1	2305.0	2300.0	2293.1	2288.2	2282.3	2290.2
10°	2282.3	2284.3	2287.2	2294.1	2297.1	2306.0	2299.1	2288.2	2280.3	2273.4	2281.3
12.5°	2280.3	2282.3	2286.2	2295.1	2300.0	2312.9	2304.0	2286.2	2274.4	2265.5	2273.4
15°	2289.2	2291.2	2297.1	2307.9	2315.8	2329.6	2316.8	2292.2	2275.4	2263.6	2270.5
17.5°	2300.0	2303.0	2311.9	2327.7	2340.5	2355.3	2339.5	2309.9	2286.2	2270.5	2276.4
20°	2311.9	2315.8	2329.6	2353.3	2377.0	2395.7	2376.0	2336.5	2307.9	2287.2	2293.1
22.5°	2332.6	2337.5	2355.3	2388.8	2424.3	2451.9	2427.3	2374.0	2336.5	2309.9	2314.8
25°	2375.0	2380.9	2403.6	2444.0	2494.3	2527.9	2493.4	2433.2	2380.9	2348.4	2353.3
27.5°	2450.0	2452.9	2482.5	2535.8	2597.9	2636.4	2595.0	2523.9	2465.7	2428.3	2432.2
30°	2548.6	2557.5	2587.1	2657.1	2731.1	2782.3	2728.1	2644.3	2577.2	2531.8	2535.8
32.5°	2668.9	2674.8	2719.2	2792.2	2898.7	2957.9	2883.9	2784.3	2703.4	2648.2	2652.2
35°	2826.7	2831.7	2874.1	2966.8	3096.0	3151.2	3066.4	2952.0	2858.3	2806.0	2820.8
37.5°	3015.1	3024.0	3054.6	3146.3	3290.3	3344.5	3246.9	3140.4	3042.7	2994.4	3005.3
40°	3217.3	3216.3	3241.0	3321.9	3453.0	3486.6	3398.8	3314.0	3230.1	3198.6	3216.3
42.5°	3390.9	3386.0	3403.7	3470.8	3561.5	3564.5	3506.3	3458.9	3399.8	3378.1	3394.8
45°	3512.2	3514.2	3540.8	3587.2	3633.5	3608.9	3591.1	3583.2	3536.9	3507.3	3510.2
47.5°	3607.9	3615.8	3658.2	3689.7	3695.7	3654.2	3678.9	3690.7	3652.3	3606.9	3594.1
50°	3692.7	3705.5	3760.8	3794.3	3781.5	3729.2	3777.5	3795.3	3710.5	3623.7	3598.0
52.5°	3846.6	3861.4	3928.4	3971.8	3957.0	3904.8	3950.1	3887.0	3744.0	3637.5	3604.9
55°	4092.2	4099.1	4180.9	4251.9	4245.0	4180.9	4144.4	4004.4	3830.8	3720.3	3689.7
57.5°	4039.9	4051.7	4193.7	4383.1	4489.6	4431.4	4217.4	3978.7	3743.0	3609.9	3568.4
60°	3178.8	3207.4	3384.0	3717.4	4107.9	4106.9	3709.5	3338.6	3054.6	2878.0	2860.3
62.5°	1856.2	1875.9	2036.7	2374.0	2724.2	2745.9	2466.7	2212.3	1963.7	1844.4	1787.2
65°	878.8	877.8	941.9	1093.8	1330.5	1349.3	1265.4	1126.4	979.4	939.0	928.1
67.5°	649.0	649.0	644.1	654.9	700.3	710.1	700.3	677.6	663.8	672.7	666.7
70°	563.2	564.2	558.2	555.3	555.3	552.3	556.3	565.1	571.1	582.9	577.0
72.5°	456.7	457.6	457.6	458.6	459.6	455.7	461.6	466.5	467.5	471.5	467.5
75°	324.5	326.5	332.4	337.3	341.3	341.3	343.2	344.2	340.3	345.2	337.3
77.5°	178.5	180.5	191.3	200.2	209.1	210.1	213.0	215.0	213.0	217.0	211.1
80°	98.6	100.6	105.5	109.5	116.4	122.3	126.2	128.2	128.2	131.2	128.2
82.5°	56.2	58.2	61.2	63.1	69.0	74.0	77.9	80.9	80.9	81.9	79.9
85°	26.6	26.6	28.6	30.6	33.5	35.5	40.4	43.4	43.4	45.4	43.4
87.5°	3.9	4.9	5.9	5.9	7.9	9.9	11.8	12.8	14.8	15.8	15.8
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)