

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: P633232

Luminaire Tested: GWS-SA2E-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-735-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

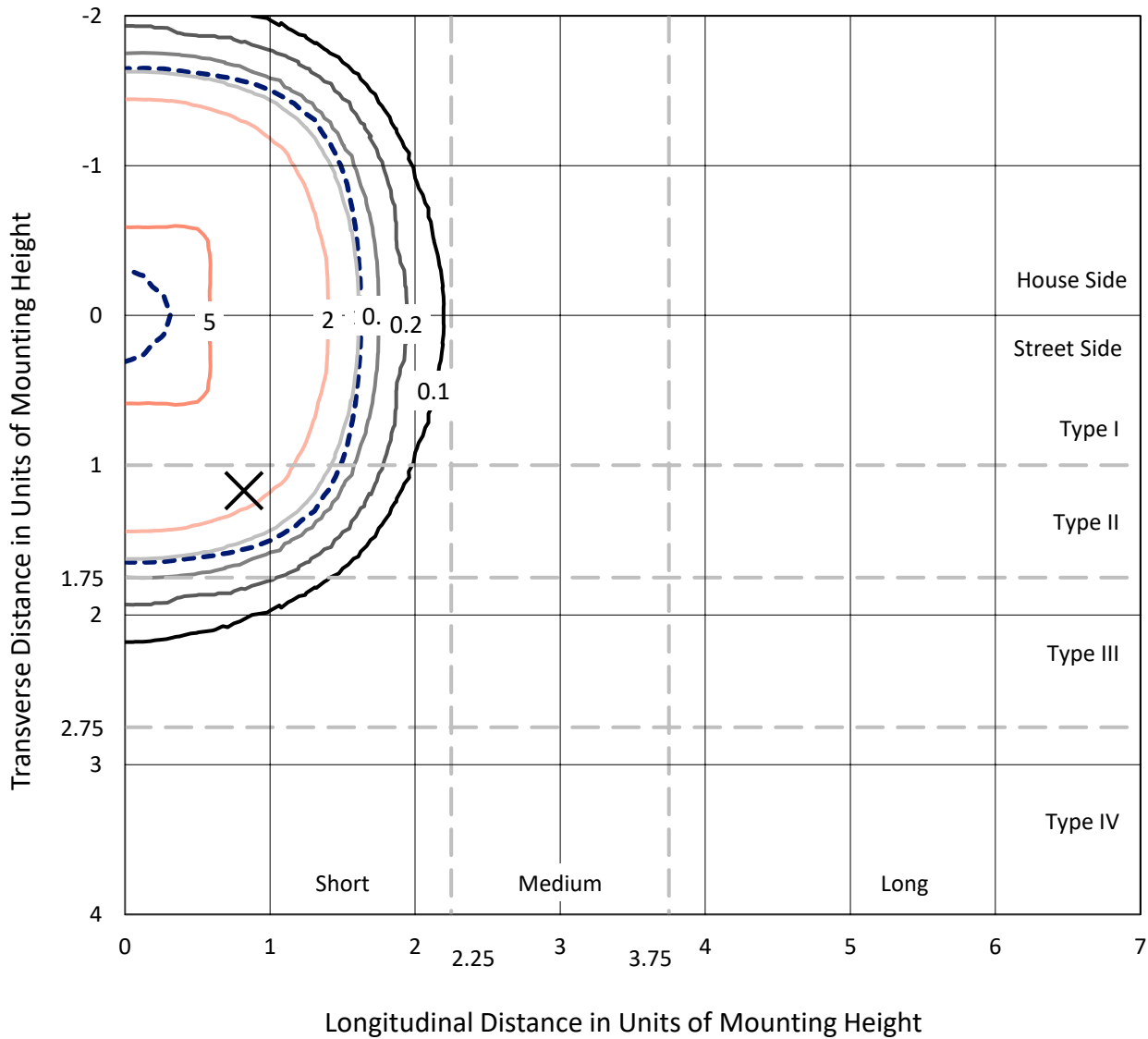
Lumens per Lamp: N/A  
Luminaire Lumens: 13046.3 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

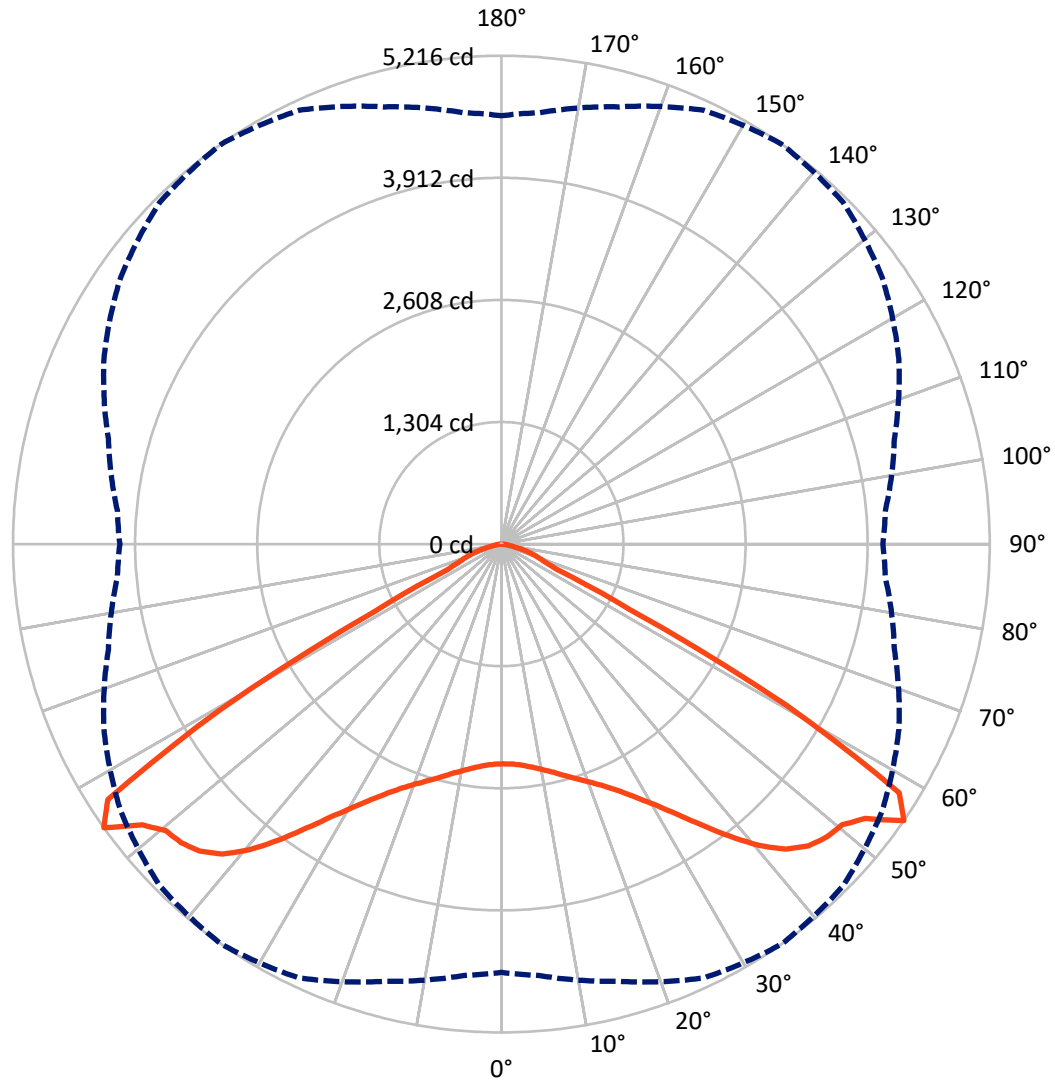
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6523.1	0.0	6523.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6523.1	0.0	6523.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13046.3	0.0	13046.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.9	1.8
10°-20°	728.8	5.6
20°-30°	1349.0	10.3
30°-40°	2256.5	17.3
40°-50°	3438.6	26.4
50°-60°	3852.0	29.5
60°-70°	911.4	7.0
70°-80°	245.7	1.9
80°-90°	35.4	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°	13046.3	100.0
0°-180°	13046.3	100.0

**Coefficient of Utilization**



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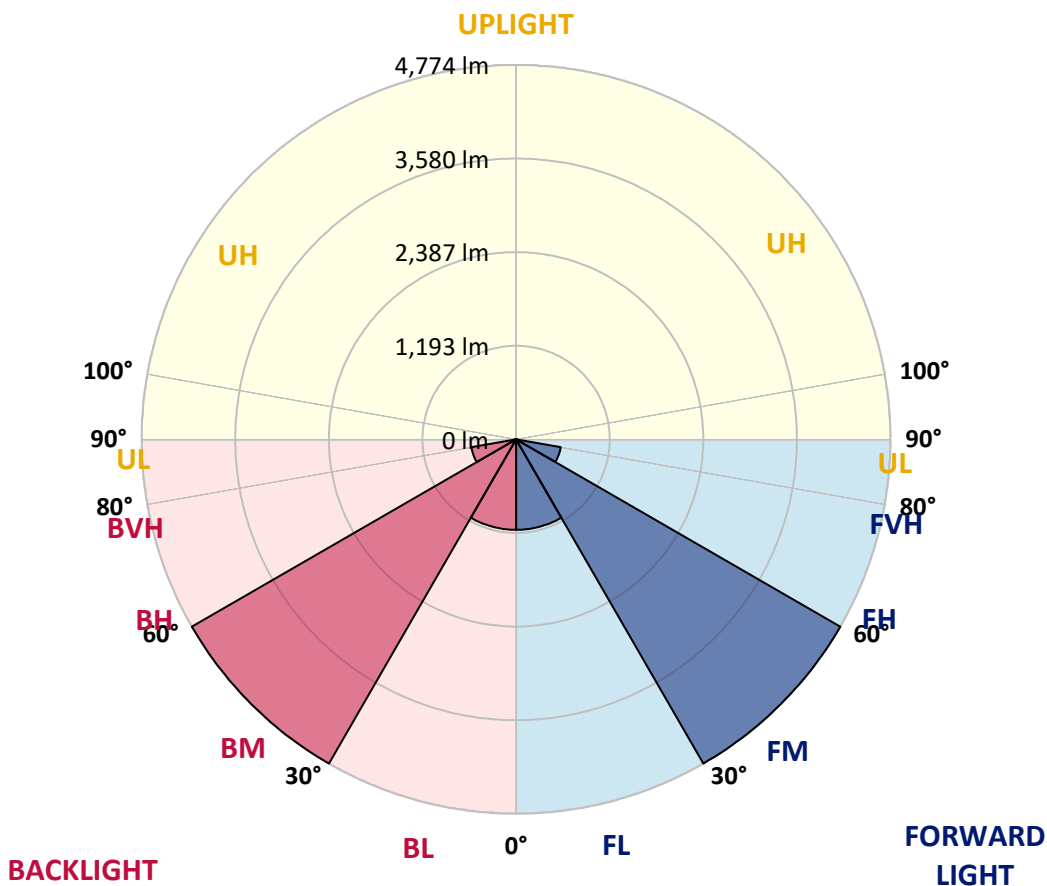
CATALOG NUMBER: GWS-SA2E-735-U-5NQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1153.4	8.8			
FM (30°-60°)	4773.5	36.6			
FH (60°-80°)	578.6	4.4			G0/660
FVH (80°-90°)	17.7	0.1			G1/100
BL (0°-30°)	1153.4	8.8	B3/2500		
BM (30°-60°)	4773.5	36.6	B3/5000		
BH (60°-80°)	578.6	4.4	B2/1000		G0/660
BVH (80°-90°)	17.7	0.1			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°	2347.1	2347.1	2347.1	2347.1	2347.1	2347.1	2347.1	2347.1	2347.1	2347.1	2347.1
2.5°	2341.9	2341.9	2346.0	2351.2	2352.2	2362.5	2360.5	2356.3	2354.3	2350.2	2359.4
5°	2367.7	2368.7	2371.8	2374.9	2372.9	2381.1	2378.0	2372.9	2369.8	2364.6	2373.9
7.5°	2401.7	2401.7	2404.8	2409.0	2406.9	2419.3	2413.1	2405.9	2400.7	2394.5	2402.8
10°	2432.7	2434.8	2437.9	2446.1	2450.2	2463.6	2459.5	2449.2	2440.9	2433.7	2443.0
12.5°	2479.1	2481.2	2484.3	2495.6	2502.8	2516.3	2510.1	2495.6	2483.2	2472.9	2483.2
15°	2539.0	2536.9	2545.1	2559.6	2568.9	2581.3	2574.0	2549.3	2532.8	2519.4	2529.7
17.5°	2599.8	2598.8	2607.0	2625.6	2639.0	2655.5	2643.2	2614.3	2596.7	2580.2	2590.5
20°	2665.9	2668.9	2677.2	2694.7	2714.3	2736.0	2725.7	2694.7	2675.1	2656.6	2664.8
22.5°	2747.4	2748.4	2757.7	2780.4	2806.2	2826.8	2820.6	2782.4	2757.7	2738.1	2748.4
25°	2845.4	2844.3	2856.7	2883.5	2919.6	2940.3	2926.9	2884.6	2857.7	2835.0	2843.3
27.5°	2957.8	2956.8	2975.4	3010.4	3062.0	3090.9	3063.0	3010.4	2973.3	2941.3	2948.5
30°	3099.2	3096.1	3116.7	3164.2	3231.2	3279.7	3238.4	3165.2	3116.7	3082.6	3089.9
32.5°	3256.0	3260.1	3285.9	3349.9	3434.5	3497.4	3435.5	3354.0	3289.0	3239.5	3247.7
35°	3428.3	3428.3	3480.9	3560.3	3681.0	3764.6	3668.6	3551.0	3464.4	3396.3	3398.3
37.5°	3620.2	3622.2	3691.3	3800.7	3958.5	4056.6	3926.6	3781.1	3675.9	3602.6	3598.5
40°	3854.3	3860.5	3931.7	4053.5	4230.9	4320.7	4181.4	4039.0	3931.7	3845.1	3836.8
42.5°	4118.5	4120.5	4195.8	4305.2	4454.8	4508.4	4399.1	4282.5	4194.8	4116.4	4108.1
45°	4370.2	4365.0	4430.0	4511.5	4598.2	4603.3	4542.5	4495.0	4418.7	4351.6	4339.2
47.5°	4566.2	4562.1	4620.9	4665.2	4675.6	4625.0	4644.6	4651.8	4563.1	4472.3	4448.6
50°	4685.9	4694.1	4749.8	4774.6	4713.7	4631.2	4705.5	4686.9	4560.0	4441.4	4403.2
52.5°	4758.1	4770.5	4867.5	4930.4	4867.5	4789.0	4799.4	4690.0	4507.4	4350.6	4301.1
55°	4575.5	4625.0	4834.4	5113.0	5216.2	5161.5	4965.5	4683.8	4345.4	4117.4	4075.1
57.5°	3391.1	3469.5	3780.1	4383.6	5010.9	5210.0	4637.4	3926.6	3413.8	3120.8	3096.1
60°	1731.2	1818.8	2067.5	2687.5	3494.3	3774.9	3230.2	2514.2	1998.4	1761.1	1734.2
62.5°	706.7	721.1	802.6	1042.0	1544.4	1781.7	1565.1	1098.7	825.3	760.3	761.4
65°	556.1	559.2	555.0	569.5	646.9	718.0	663.4	582.9	568.5	575.7	570.5
67.5°	484.9	485.9	482.8	482.8	485.9	482.8	489.0	492.1	494.2	502.4	497.3
70°	405.4	406.5	406.5	408.5	407.5	402.4	411.6	415.8	416.8	422.0	418.9
72.5°	313.6	316.7	318.8	319.8	318.8	315.7	320.9	328.1	327.0	332.2	327.0
75°	212.5	216.7	218.7	222.8	221.8	221.8	228.0	231.1	228.0	232.1	228.0
77.5°	120.7	123.8	130.0	134.1	138.2	141.3	145.5	147.5	146.5	148.6	146.5
80°	70.2	71.2	76.3	78.4	83.6	88.7	92.9	94.9	95.9	97.0	95.9
82.5°	40.2	41.3	43.3	45.4	49.5	53.6	57.8	60.9	60.9	61.9	60.9
85°	19.6	19.6	20.6	21.7	23.7	26.8	29.9	33.0	34.0	34.0	34.0
87.5°	3.1	3.1	4.1	4.1	5.2	6.2	8.3	10.3	11.3	11.3	11.3
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)