

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: P636198

Luminaire Tested: GWS-SA3F-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636198  
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-SA3F-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

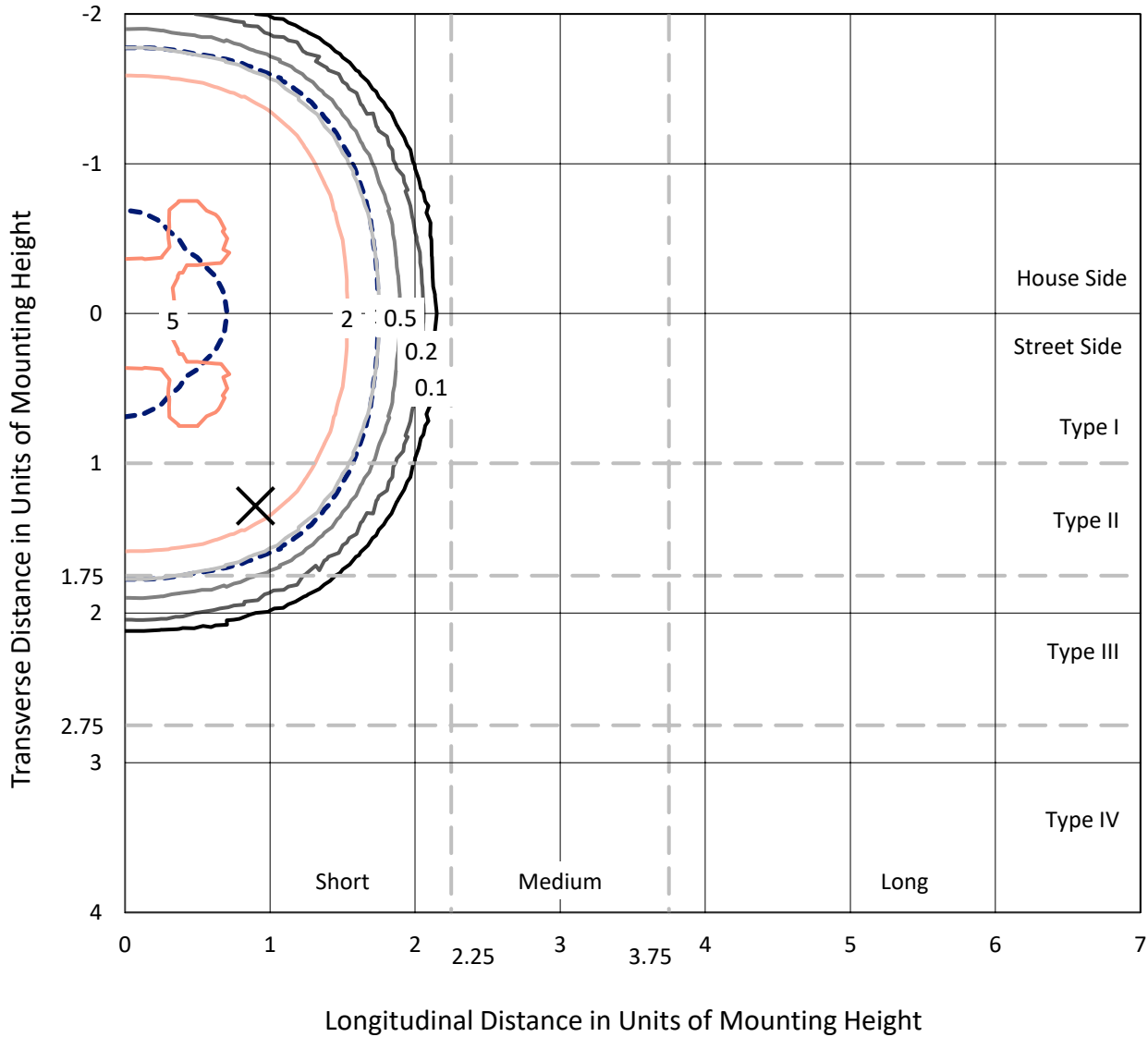
Lumens per Lamp: N/A  
Luminaire Lumens: 14734.3 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

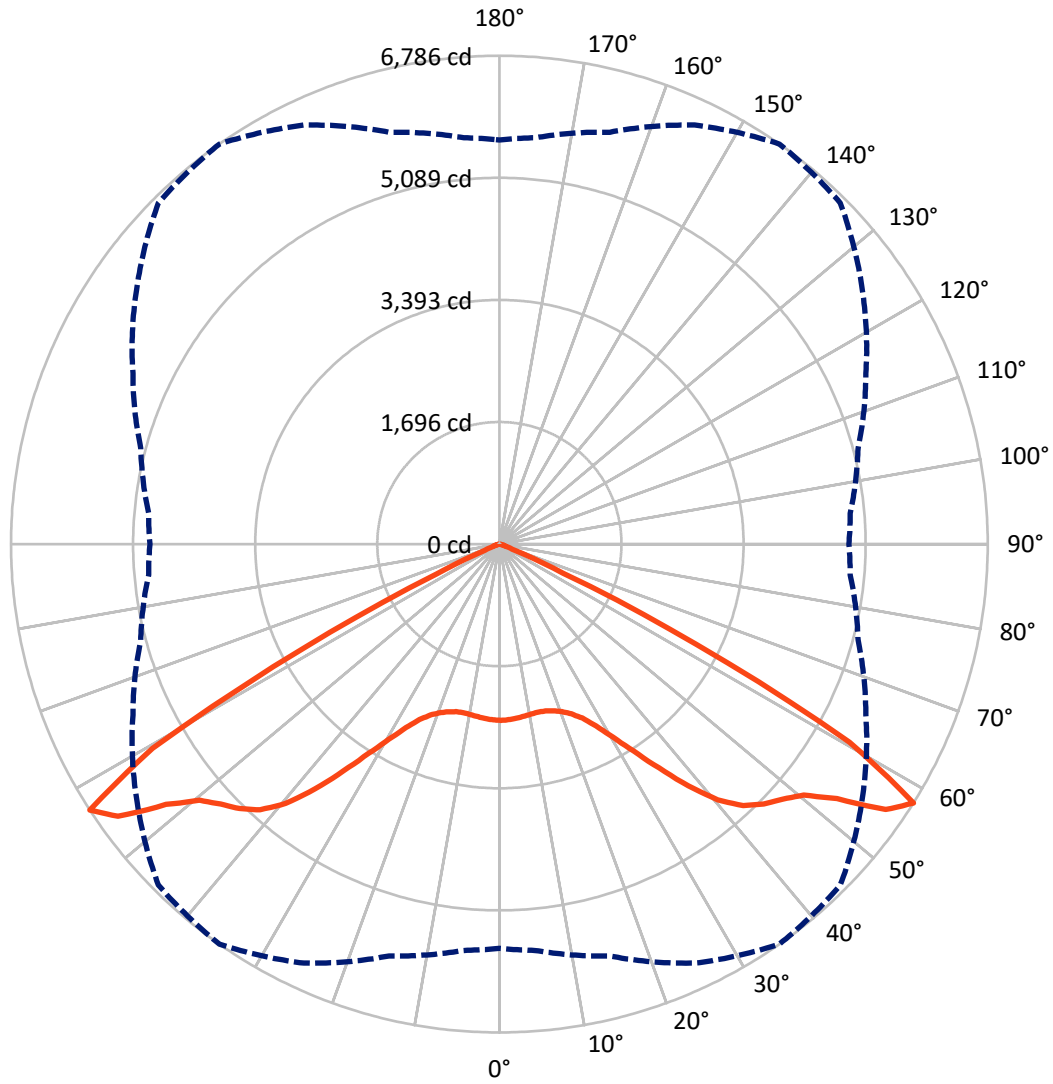
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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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CATALOG NUMBER: GWS-SA3F-735-U-5MQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7367.1	0.0	7367.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7367.1	0.0	7367.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14734.3	0.0	14734.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.8	1.6
10°-20°	678.9	4.6
20°-30°	1227.2	8.3
30°-40°	2289.4	15.5
40°-50°	3840.5	26.1
50°-60°	5071.8	34.4
60°-70°	1346.9	9.1
70°-80°	47.8	0.3
80°-90°	0.9	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°	14734.3	100.0
0°-180°	14734.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636198

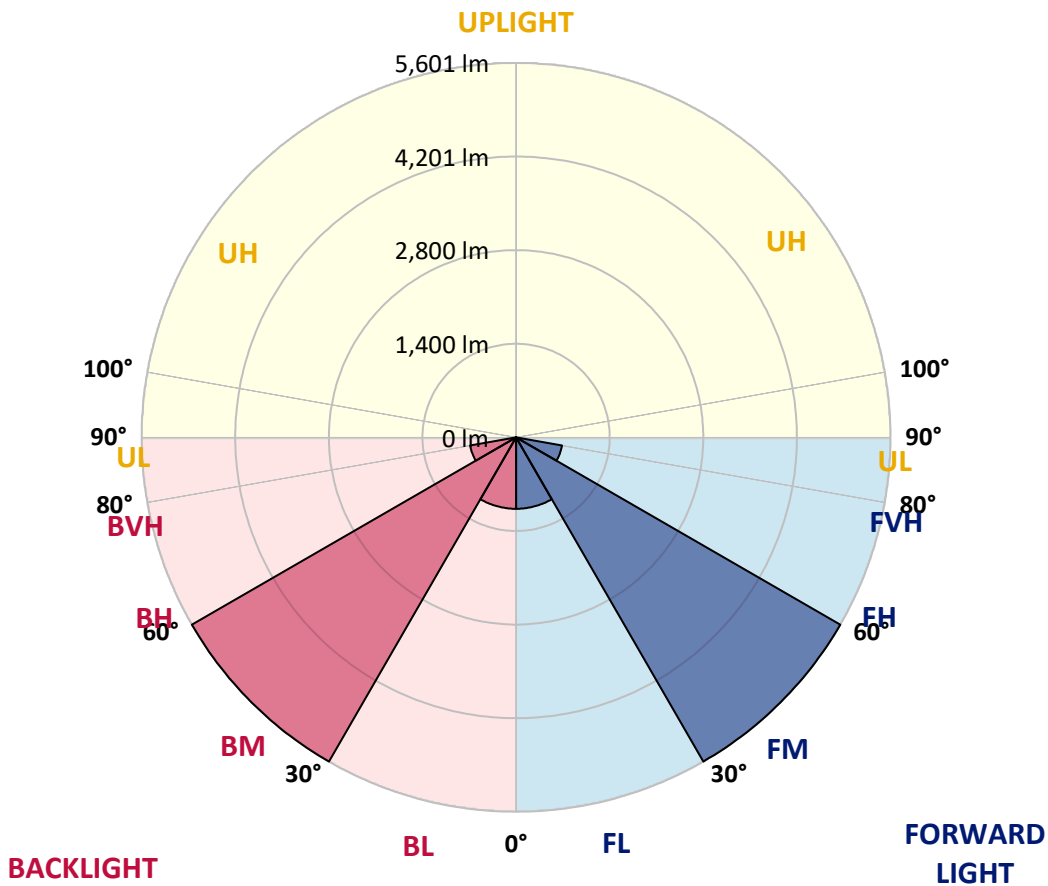
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1068.5	7.3			
FM (30°-60°)	5600.9	38.0			
FH (60°-80°)	697.4	4.7			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1068.5	7.3	B3/2500		
BM (30°-60°)	5600.9	38.0	B4/8500		
BH (60°-80°)	697.4	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°	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7	2449.7
2.5°	2432.4	2430.7	2437.6	2442.8	2442.8	2454.9	2451.4	2448.0	2444.5	2439.3	2451.4
5°	2429.0	2427.2	2432.4	2435.9	2432.4	2442.8	2435.9	2429.0	2425.5	2418.6	2432.4
7.5°	2413.4	2415.1	2418.6	2422.0	2416.9	2425.5	2416.9	2406.5	2397.8	2390.9	2403.0
10°	2389.2	2390.9	2394.4	2401.3	2403.0	2415.1	2403.0	2384.0	2371.9	2361.5	2373.6
12.5°	2377.1	2378.8	2384.0	2392.7	2394.4	2409.9	2394.4	2366.7	2349.4	2337.3	2349.4
15°	2380.6	2384.0	2390.9	2401.3	2404.8	2420.3	2399.6	2363.3	2339.1	2323.5	2333.9
17.5°	2392.7	2396.1	2406.5	2423.8	2435.9	2451.4	2425.5	2378.8	2346.0	2323.5	2333.9
20°	2408.2	2413.4	2430.7	2458.4	2484.3	2511.9	2479.1	2415.1	2371.9	2344.3	2352.9
22.5°	2451.4	2456.6	2480.8	2517.1	2560.4	2594.9	2555.2	2473.9	2415.1	2378.8	2387.5
25°	2539.6	2544.8	2575.9	2622.6	2677.9	2722.9	2672.7	2570.7	2494.7	2453.2	2456.6
27.5°	2677.9	2683.1	2719.4	2785.1	2859.4	2923.4	2850.8	2731.5	2645.1	2596.7	2596.7
30°	2852.5	2859.4	2907.8	2996.0	3111.8	3196.6	3098.0	2952.8	2842.1	2776.5	2778.2
32.5°	3077.3	3070.3	3139.5	3260.5	3424.8	3537.1	3391.9	3215.6	3079.0	2987.4	2996.0
35°	3366.0	3364.2	3442.0	3606.3	3820.6	3955.5	3782.6	3554.4	3390.2	3296.8	3298.6
37.5°	3737.7	3735.9	3825.8	4003.9	4261.5	4373.9	4180.2	3948.6	3772.2	3682.3	3692.7
40°	4173.3	4163.0	4242.5	4413.6	4671.2	4743.8	4532.9	4346.2	4176.8	4119.7	4147.4
42.5°	4588.2	4565.8	4612.4	4768.0	4966.8	4977.2	4818.2	4690.2	4574.4	4529.5	4546.7
45°	4921.9	4904.6	4947.8	5037.7	5151.8	5100.0	5023.9	4984.1	4890.8	4842.4	4857.9
47.5°	5170.8	5170.8	5222.7	5278.0	5295.3	5200.2	5212.3	5212.3	5119.0	5042.9	5023.9
50°	5385.2	5400.8	5478.6	5535.6	5478.6	5357.6	5426.7	5412.9	5222.7	5070.6	5030.8
52.5°	5727.5	5743.1	5862.4	5940.2	5876.2	5756.9	5765.5	5592.7	5312.6	5132.8	5070.6
55°	6090.6	6128.6	6301.5	6508.9	6510.7	6387.9	6159.7	5853.7	5513.1	5317.8	5253.8
57.5°	5615.1	5667.0	5924.6	6424.2	6785.5	6700.8	6156.3	5618.6	5158.7	4892.5	4856.2
60°	3863.9	3953.8	4211.4	4894.2	5590.9	5623.8	4980.7	4377.3	3850.0	3521.6	3528.5
62.5°	1632.0	1723.6	1868.8	2430.7	3070.3	3110.1	2798.9	2366.7	1936.3	1699.4	1735.7
65°	383.8	409.7	452.9	672.5	975.0	1020.0	940.5	733.0	541.1	458.1	466.8
67.5°	167.7	171.2	162.5	172.9	214.4	219.6	212.6	186.7	176.3	179.8	179.8
70°	117.6	119.3	112.4	107.2	102.0	95.1	98.5	108.9	117.6	124.5	122.7
72.5°	72.6	74.3	76.1	76.1	70.9	64.0	67.4	74.3	76.1	77.8	76.1
75°	36.3	38.0	41.5	43.2	41.5	39.8	39.8	41.5	41.5	39.8	39.8
77.5°	6.9	8.6	12.1	13.8	13.8	13.8	13.8	13.8	15.6	13.8	13.8
80°	1.7	1.7	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
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)