

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: P636206

Luminaire Tested: GWS-SA3F-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

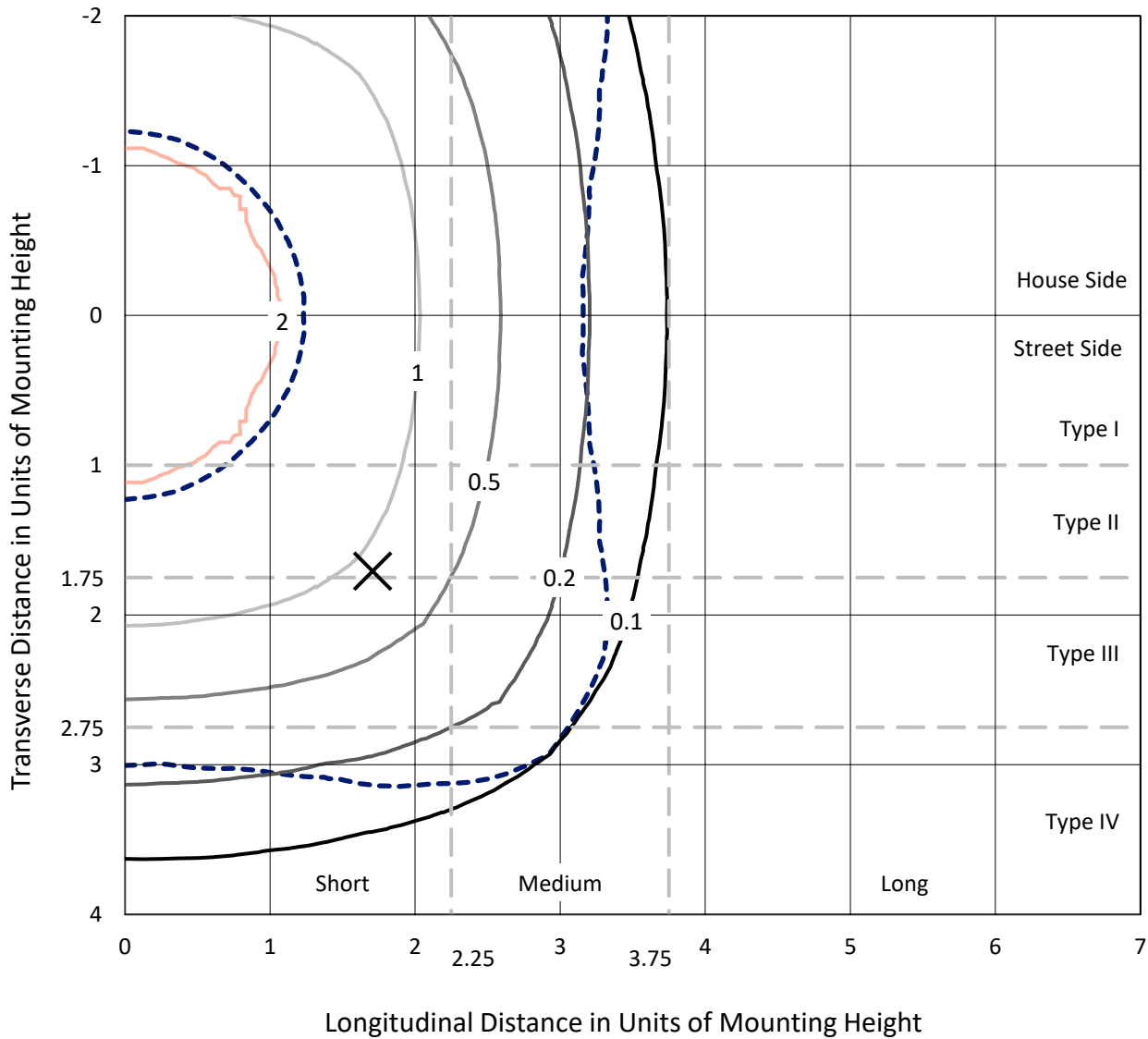
Lumens per Lamp: N/A  
Luminaire Lumens: 24448.3 lumens  
Efficiency: N/A  
Efficacy: 133.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

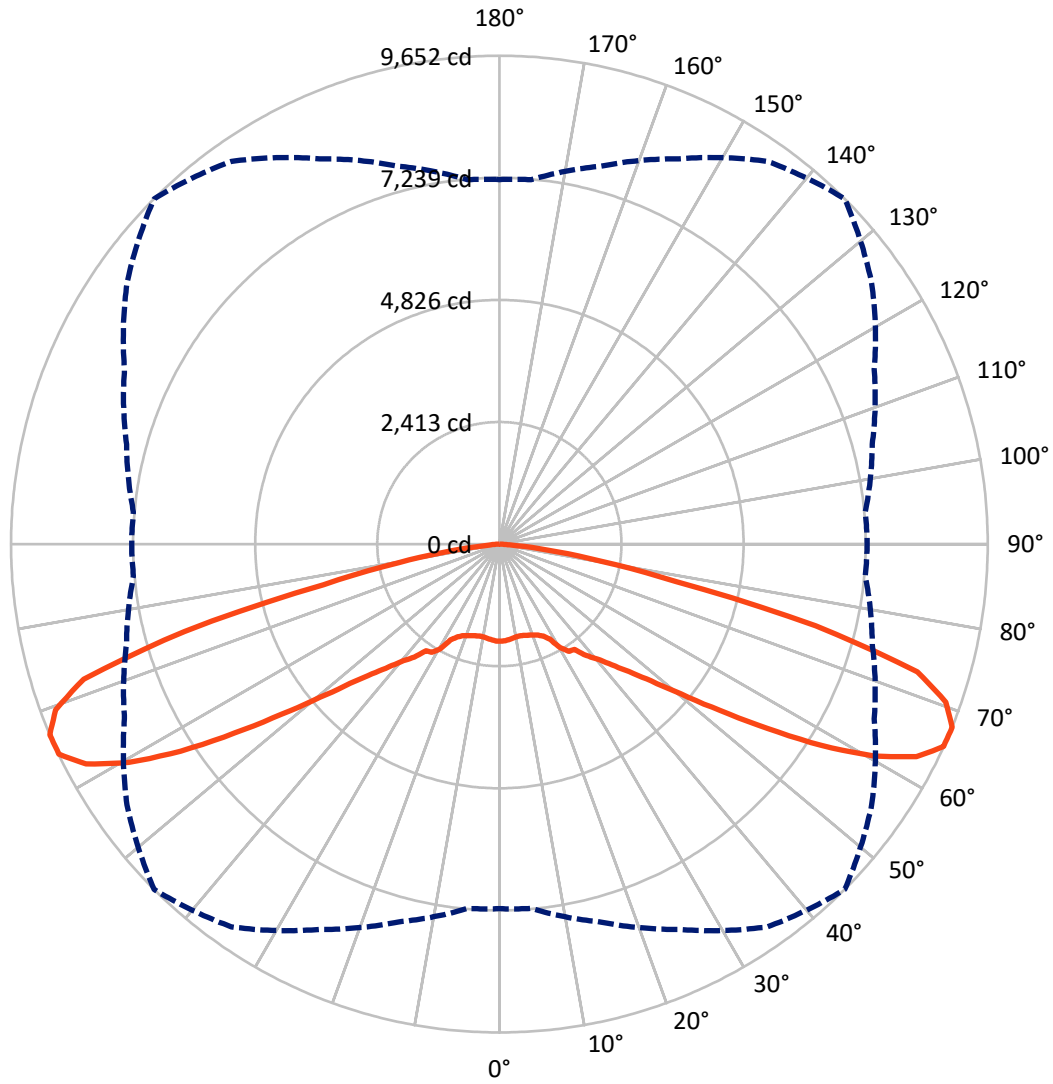
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12224.1	0.0	12224.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12224.1	0.0	12224.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24448.3	0.0	24448.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.0	0.7
10°-20°	534.2	2.2
20°-30°	958.3	3.9
30°-40°	1618.8	6.6
40°-50°	2844.3	11.6
50°-60°	5486.7	22.4
60°-70°	7960.5	32.6
70°-80°	4554.6	18.6
80°-90°	310.9	1.3
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°	24448.3	100.0
0°-180°	24448.3	100.0

**Coefficient of Utilization**



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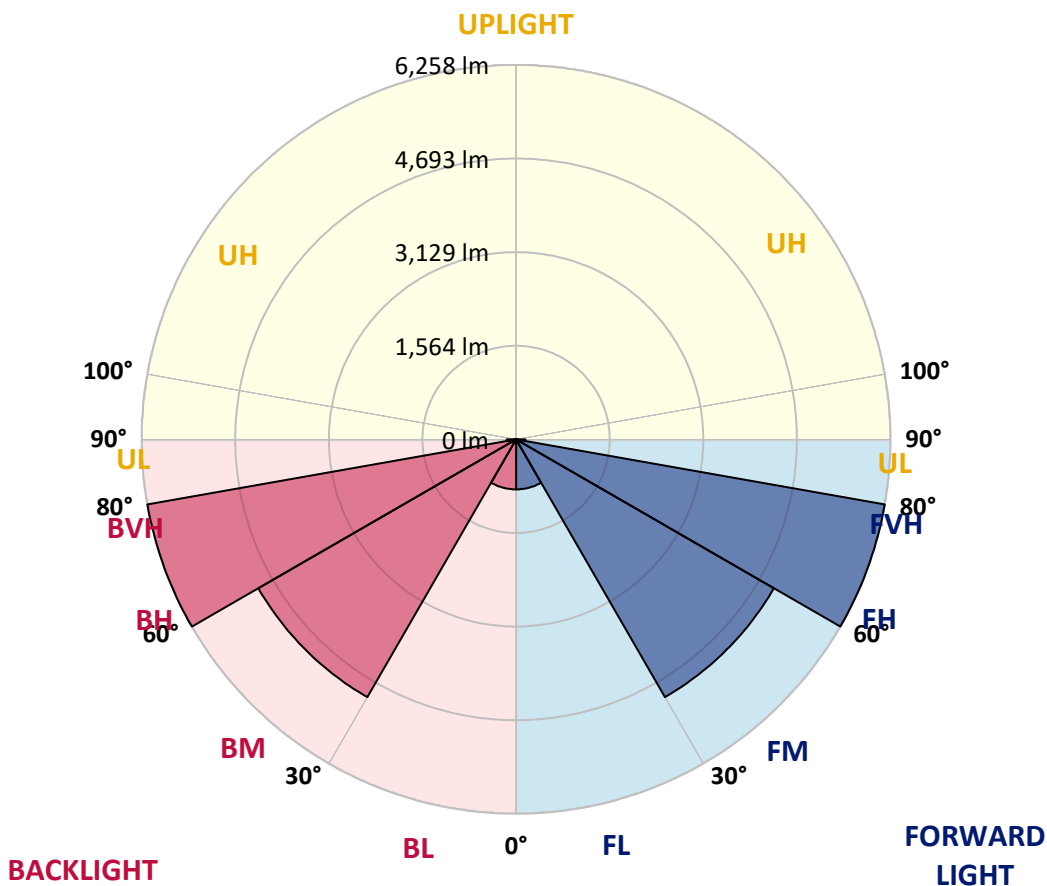
CATALOG NUMBER: GWS-SA3F-735-U-5WQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.3	3.4			
FM (30°-60°)	4974.9	20.3			
FH (60°-80°)	6257.6	25.6			G3/7500
FVH (80°-90°)	155.4	0.6			G2/225
BL (0°-30°)	836.3	3.4	B2/1000		
BM (30°-60°)	4974.9	20.3	B3/5000		
BH (60°-80°)	6257.6	25.6	B5		G3/7500
BVH (80°-90°)	155.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1917.2	1917.2	1917.2	1917.2	1917.2	1917.2	1917.2	1917.2	1917.2	1917.2	1917.2
2.5°	1901.7	1903.4	1906.9	1906.9	1910.3	1915.5	1917.2	1913.8	1915.5	1906.9	1915.5
5°	1896.5	1898.2	1900.0	1896.5	1896.5	1898.2	1898.2	1894.8	1896.5	1887.9	1896.5
7.5°	1884.4	1886.1	1886.1	1880.9	1875.8	1879.2	1879.2	1875.8	1877.5	1868.8	1879.2
10°	1874.0	1874.0	1872.3	1861.9	1856.7	1861.9	1863.7	1865.4	1872.3	1865.4	1877.5
12.5°	1880.9	1880.9	1875.8	1861.9	1853.3	1856.7	1860.2	1863.7	1875.8	1874.0	1887.9
15°	1900.0	1901.7	1887.9	1872.3	1867.1	1872.3	1868.8	1867.1	1882.7	1887.9	1903.4
17.5°	1915.5	1915.5	1898.2	1882.7	1884.4	1893.0	1886.1	1877.5	1893.0	1903.4	1920.7
20°	1929.3	1927.6	1908.6	1898.2	1905.1	1917.2	1912.1	1900.0	1910.3	1922.4	1938.0
22.5°	1963.9	1962.2	1941.4	1936.3	1943.2	1955.3	1950.1	1939.7	1951.8	1969.1	1988.1
25°	2062.5	2059.0	2027.9	2010.6	2007.1	2015.8	2014.1	2010.6	2029.6	2050.4	2072.8
27.5°	2193.9	2192.1	2169.7	2152.4	2129.9	2123.0	2128.2	2143.7	2171.4	2186.9	2206.0
30°	2259.5	2259.5	2256.1	2283.8	2332.2	2378.8	2342.5	2283.8	2259.5	2252.6	2271.7
32.5°	2346.0	2354.6	2342.5	2373.7	2454.9	2524.1	2454.9	2359.8	2342.5	2342.5	2363.3
35°	2544.8	2548.3	2529.2	2524.1	2550.0	2558.6	2525.8	2491.2	2510.2	2513.7	2539.6
37.5°	2703.9	2703.9	2695.2	2709.0	2762.6	2795.5	2741.9	2679.6	2684.8	2688.3	2721.1
40°	2949.3	2956.3	2935.5	2933.8	2954.5	2983.9	2926.9	2887.1	2914.8	2923.4	2973.5
42.5°	3255.3	3255.3	3224.2	3215.6	3229.4	3260.5	3206.9	3181.0	3217.3	3224.2	3253.6
45°	3620.1	3628.8	3587.3	3571.7	3578.6	3589.0	3551.0	3538.9	3573.4	3589.0	3640.9
47.5°	4064.4	4073.1	4036.8	4035.0	4028.1	4035.0	3998.7	3991.8	4019.5	4007.4	4062.7
50°	4612.5	4628.0	4596.9	4640.1	4634.9	4655.7	4605.5	4569.2	4569.2	4536.4	4567.5
52.5°	5226.2	5257.3	5272.9	5345.5	5400.8	5452.7	5369.7	5312.6	5229.6	5162.2	5246.9
55°	5895.2	5886.6	5985.1	6144.2	6306.7	6429.4	6266.9	6087.1	5952.3	5812.2	5845.1
57.5°	6481.3	6510.7	6640.3	6930.8	7252.3	7511.7	7219.5	6873.7	6567.7	6367.2	6394.9
60°	6968.8	6993.0	7165.9	7584.3	8146.1	8504.0	8040.7	7470.2	7025.9	6749.3	6778.6
62.5°	7418.3	7440.8	7615.4	8077.0	8785.8	9252.6	8654.4	7874.7	7380.3	7101.9	7119.2
65°	7677.6	7691.5	7930.0	8415.8	9162.7	9645.0	8970.8	8166.9	7681.1	7397.6	7407.9
67.5°	7205.7	7228.1	7731.2	8402.0	9235.3	9651.9	8984.6	8175.5	7629.2	7259.3	7267.9
70°	5684.3	5665.3	6265.2	7418.3	8818.6	9361.5	8585.3	7561.8	6718.1	6201.2	6192.6
72.5°	4334.1	4339.3	4673.0	5463.0	7190.1	8638.8	7575.6	6088.9	5179.5	4787.1	4771.5
75°	3143.0	3191.4	3462.8	4041.9	5029.1	6457.1	5703.3	4512.2	3903.6	3668.5	3634.0
77.5°	1415.9	1478.1	1856.7	2537.9	3362.5	3568.3	3582.1	3063.4	2311.4	1920.7	1860.2
80°	413.2	442.6	568.8	973.3	1566.3	2024.4	1607.8	1351.9	841.9	660.4	629.3
82.5°	174.6	198.8	243.8	269.7	454.7	938.7	584.3	371.7	345.8	280.1	255.9
85°	74.3	79.5	102.0	108.9	146.9	200.5	185.0	167.7	160.8	124.5	114.1
87.5°	31.1	31.1	31.1	27.7	25.9	27.7	38.0	48.4	64.0	50.1	46.7
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)