

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: P637188

Luminaire Tested: GWS-SA4C-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637188  
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-SA4C-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

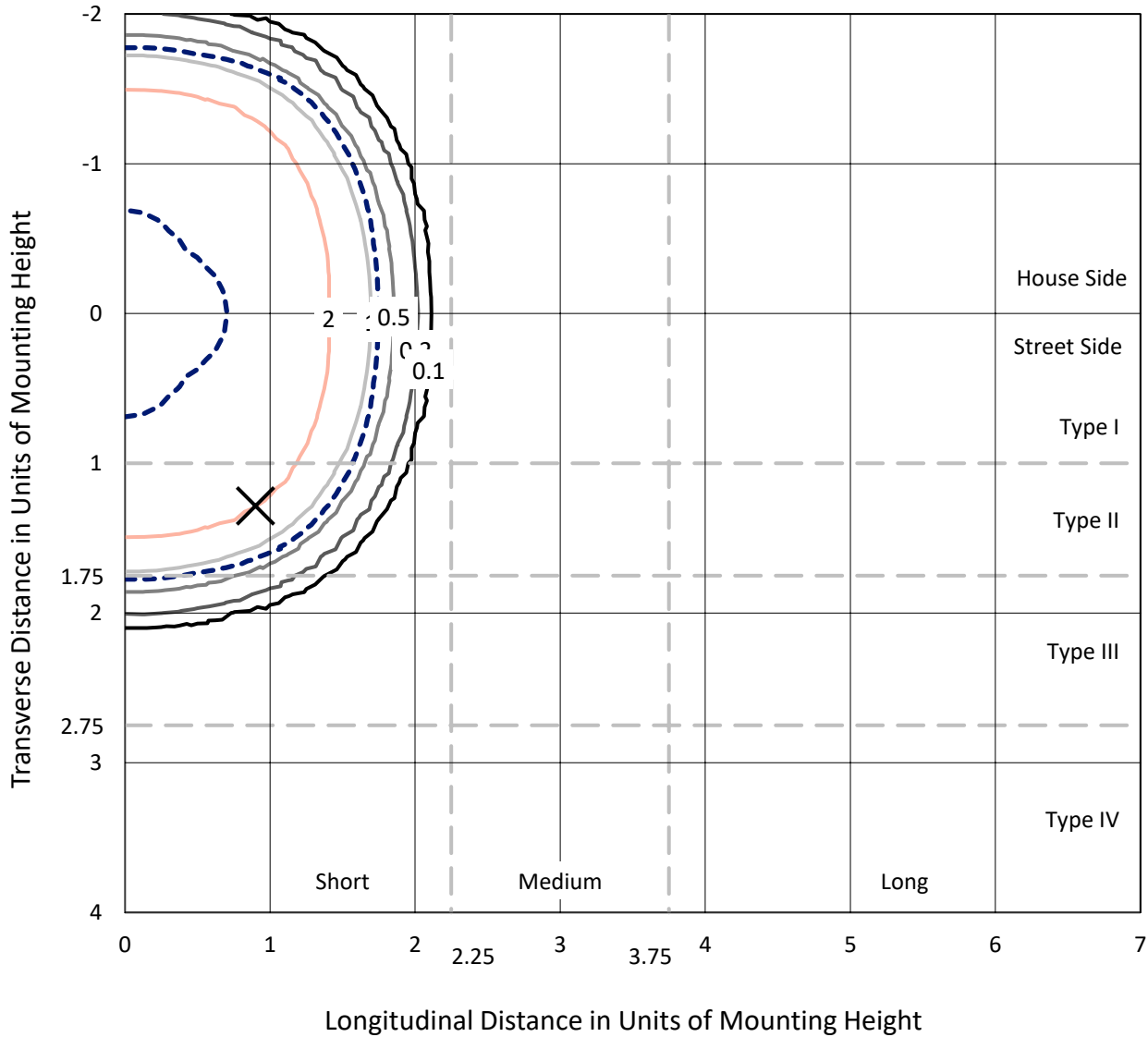
Lumens per Lamp: N/A  
Luminaire Lumens: 11697.8 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

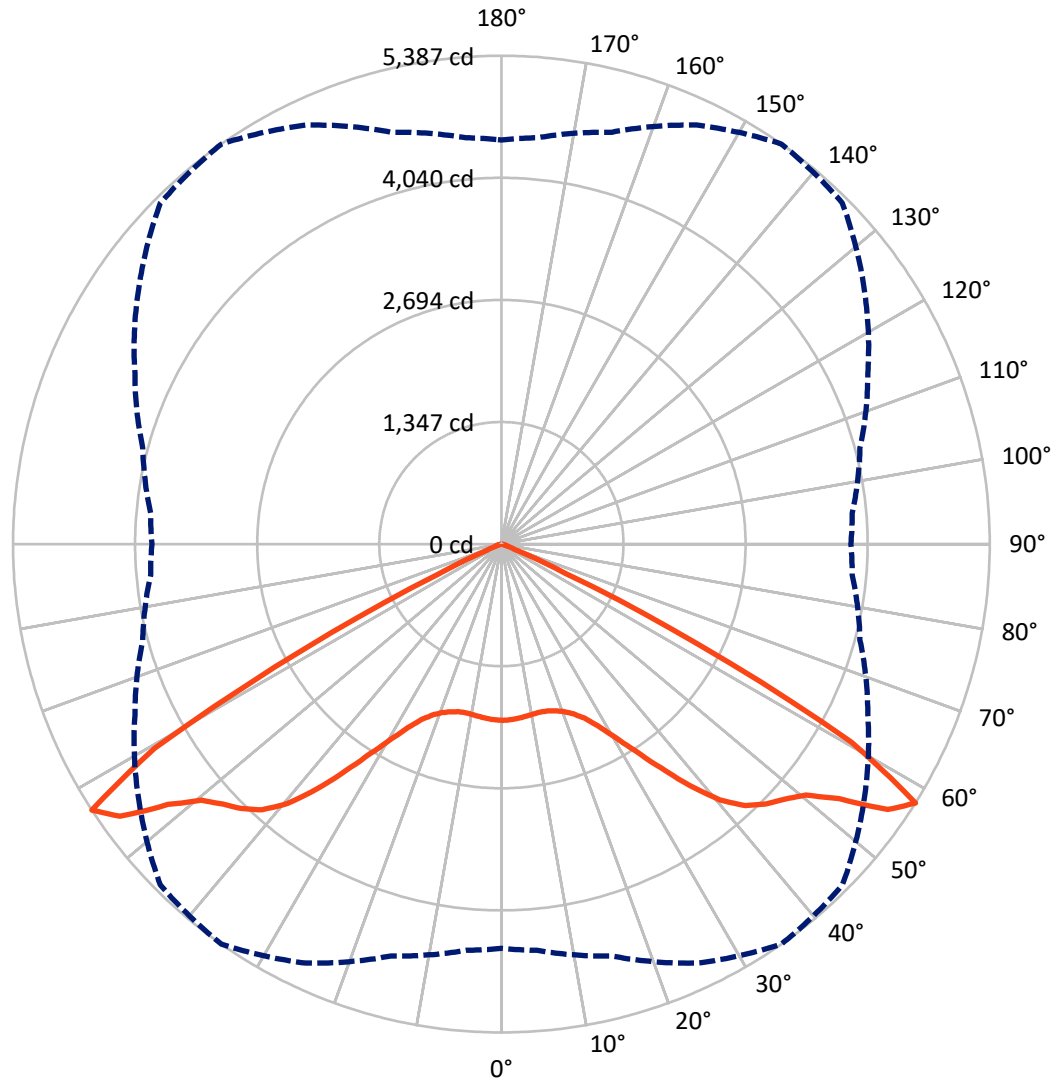
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 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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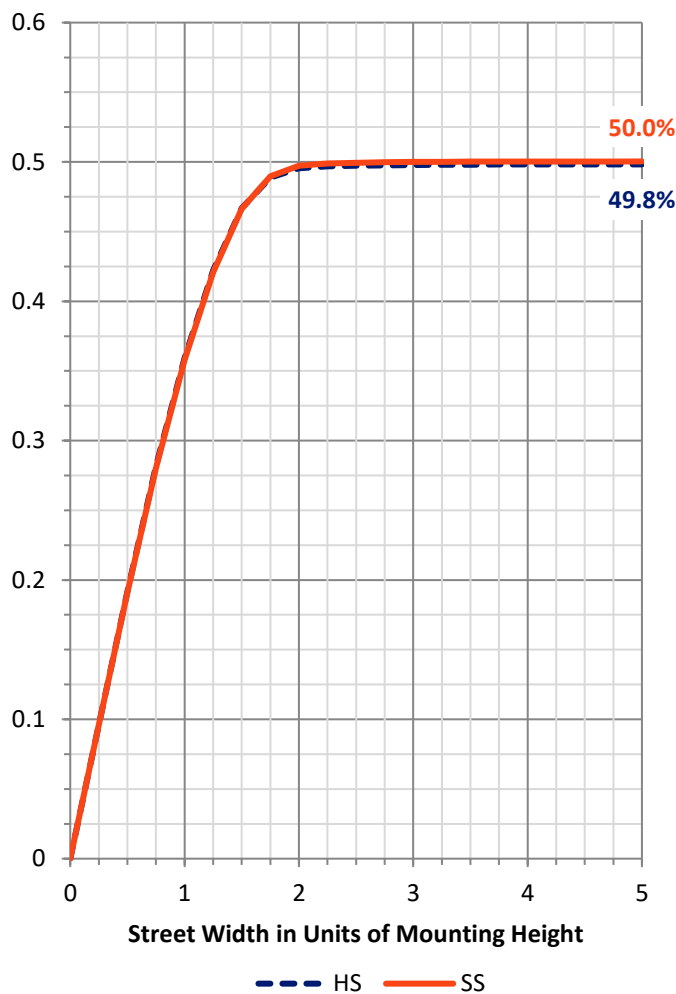
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5848.9	0.0	5848.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5848.9	0.0	5848.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11697.8	0.0	11697.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.2	1.6
10°-20°	539.0	4.6
20°-30°	974.3	8.3
30°-40°	1817.6	15.5
40°-50°	3049.1	26.1
50°-60°	4026.6	34.4
60°-70°	1069.4	9.1
70°-80°	38.0	0.3
80°-90°	0.7	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°	11697.8	100.0
0°-180°	11697.8	100.0

**Coefficient of Utilization**



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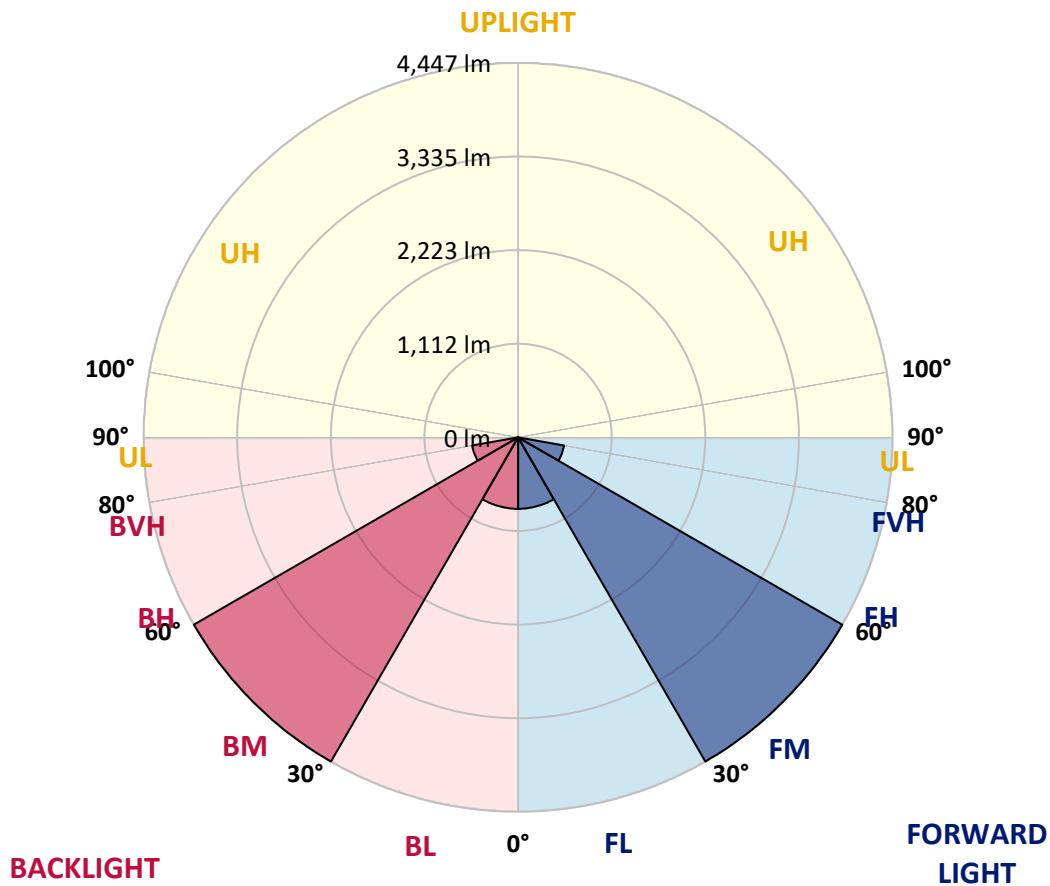
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	848.3	7.3			
FM (30°-60°)	4446.6	38.0			
FH (60°-80°)	553.7	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	848.3	7.3	B2/1000		
BM (30°-60°)	4446.6	38.0	B3/5000		
BH (60°-80°)	553.7	4.7	B2/1000		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1931.1	1929.8	1935.3	1939.4	1939.4	1949.0	1946.2	1943.5	1940.7	1936.6	1946.2
5°	1928.4	1927.0	1931.1	1933.9	1931.1	1939.4	1933.9	1928.4	1925.6	1920.2	1931.1
7.5°	1916.0	1917.4	1920.2	1922.9	1918.8	1925.6	1918.8	1910.6	1903.7	1898.2	1907.8
10°	1896.8	1898.2	1900.9	1906.4	1907.8	1917.4	1907.8	1892.7	1883.1	1874.9	1884.5
12.5°	1887.2	1888.6	1892.7	1899.6	1900.9	1913.3	1900.9	1879.0	1865.3	1855.7	1865.3
15°	1890.0	1892.7	1898.2	1906.4	1909.2	1921.5	1905.1	1876.2	1857.0	1844.7	1852.9
17.5°	1899.6	1902.3	1910.6	1924.3	1933.9	1946.2	1925.6	1888.6	1862.5	1844.7	1852.9
20°	1911.9	1916.0	1929.8	1951.7	1972.3	1994.3	1968.2	1917.4	1883.1	1861.1	1868.0
22.5°	1946.2	1950.4	1969.6	1998.4	2032.7	2060.2	2028.6	1964.1	1917.4	1888.6	1895.5
25°	2016.2	2020.4	2045.1	2082.1	2126.0	2161.7	2121.9	2040.9	1980.6	1947.6	1950.4
27.5°	2126.0	2130.2	2159.0	2211.1	2270.2	2320.9	2263.3	2168.6	2100.0	2061.5	2061.5
30°	2264.7	2270.2	2308.6	2378.6	2470.5	2537.8	2459.6	2344.3	2256.4	2204.3	2205.6
32.5°	2443.1	2437.6	2492.5	2588.6	2719.0	2808.2	2692.9	2552.9	2444.5	2371.7	2378.6
35°	2672.3	2670.9	2732.7	2863.1	3033.3	3140.3	3003.1	2821.9	2691.5	2617.4	2618.8
37.5°	2967.4	2966.0	3037.4	3178.8	3383.3	3472.5	3318.8	3134.8	2994.8	2923.5	2931.7
40°	3313.3	3305.0	3368.2	3504.1	3708.6	3766.2	3598.8	3450.5	3316.0	3270.7	3292.7
42.5°	3642.7	3624.8	3661.9	3785.4	3943.3	3951.5	3825.2	3723.7	3631.7	3596.0	3609.7
45°	3907.6	3893.8	3928.2	3999.5	4090.1	4048.9	3988.6	3957.0	3882.9	3844.4	3856.8
47.5°	4105.2	4105.2	4146.4	4190.3	4204.0	4128.5	4138.2	4138.2	4064.0	4003.6	3988.6
50°	4275.4	4287.8	4349.5	4394.8	4349.5	4253.4	4308.3	4297.4	4146.4	4025.6	3994.0
52.5°	4547.2	4559.5	4654.2	4716.0	4665.2	4570.5	4577.4	4440.1	4217.8	4075.0	4025.6
55°	4835.4	4865.6	5002.8	5167.5	5168.9	5071.5	4890.3	4647.4	4377.0	4221.9	4171.1
57.5°	4458.0	4499.1	4703.6	5100.3	5387.2	5319.9	4887.6	4460.7	4095.6	3884.2	3855.4
60°	3067.6	3139.0	3343.5	3885.6	4438.7	4464.8	3954.2	3475.2	3056.6	2795.8	2801.3
62.5°	1295.7	1368.4	1483.7	1929.8	2437.6	2469.2	2222.1	1879.0	1537.2	1349.2	1378.0
65°	304.7	325.3	359.6	533.9	774.1	809.8	746.7	581.9	429.6	363.7	370.6
67.5°	133.1	135.9	129.0	137.3	170.2	174.3	168.8	148.2	140.0	142.7	142.7
70°	93.3	94.7	89.2	85.1	81.0	75.5	78.2	86.5	93.3	98.8	97.4
72.5°	57.6	59.0	60.4	60.4	56.3	50.8	53.5	59.0	60.4	61.8	60.4
75°	28.8	30.2	32.9	34.3	32.9	31.6	31.6	32.9	32.9	31.6	31.6
77.5°	5.5	6.9	9.6	11.0	11.0	11.0	11.0	11.0	12.4	11.0	11.0
80°	1.4	1.4	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7
82.5°	1.4	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
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)