

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: P639671

Luminaire Tested: GWS-SA5C-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639671  
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-SA5C-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

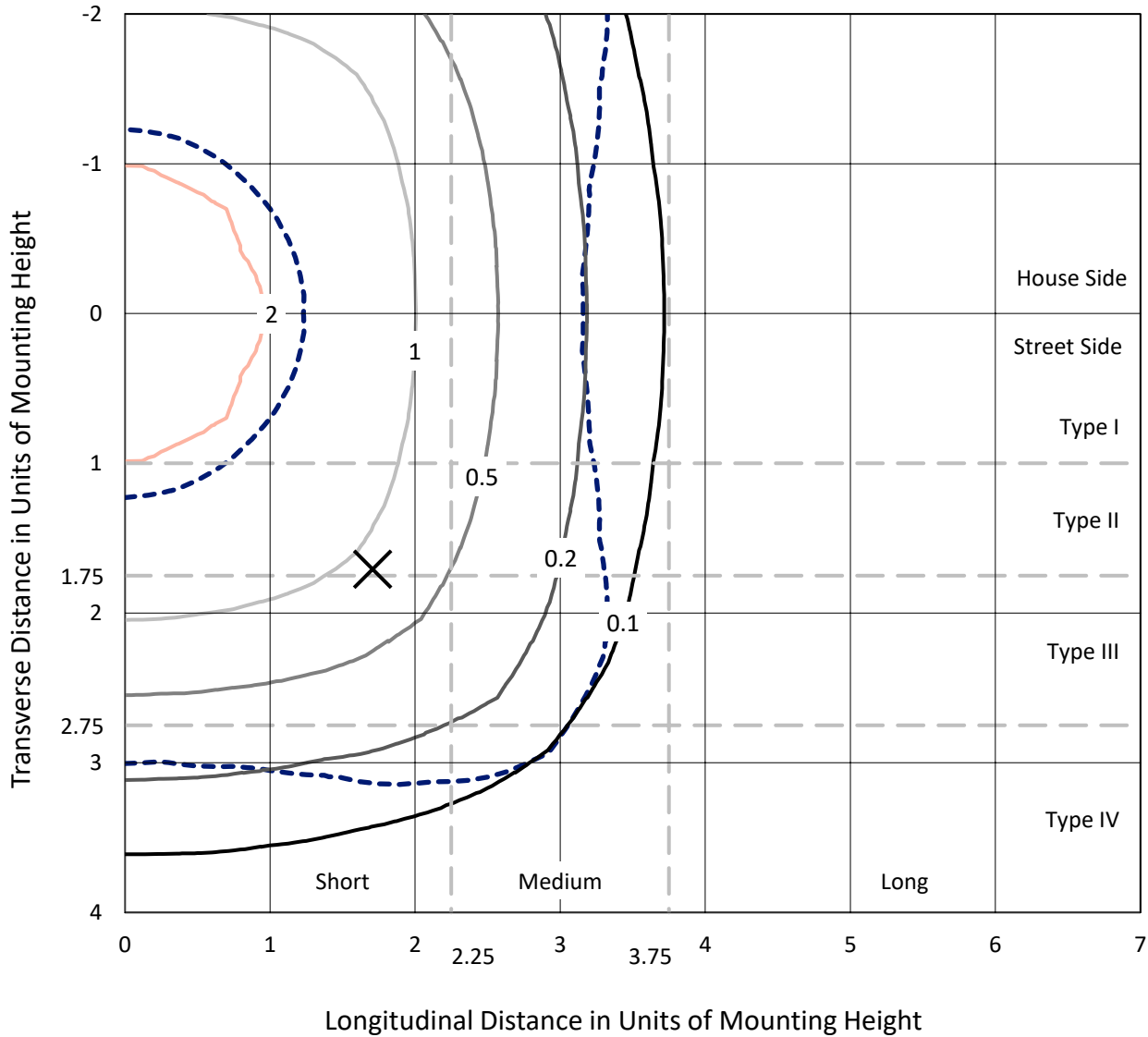
Lumens per Lamp: N/A  
Luminaire Lumens: 23810.2 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): 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

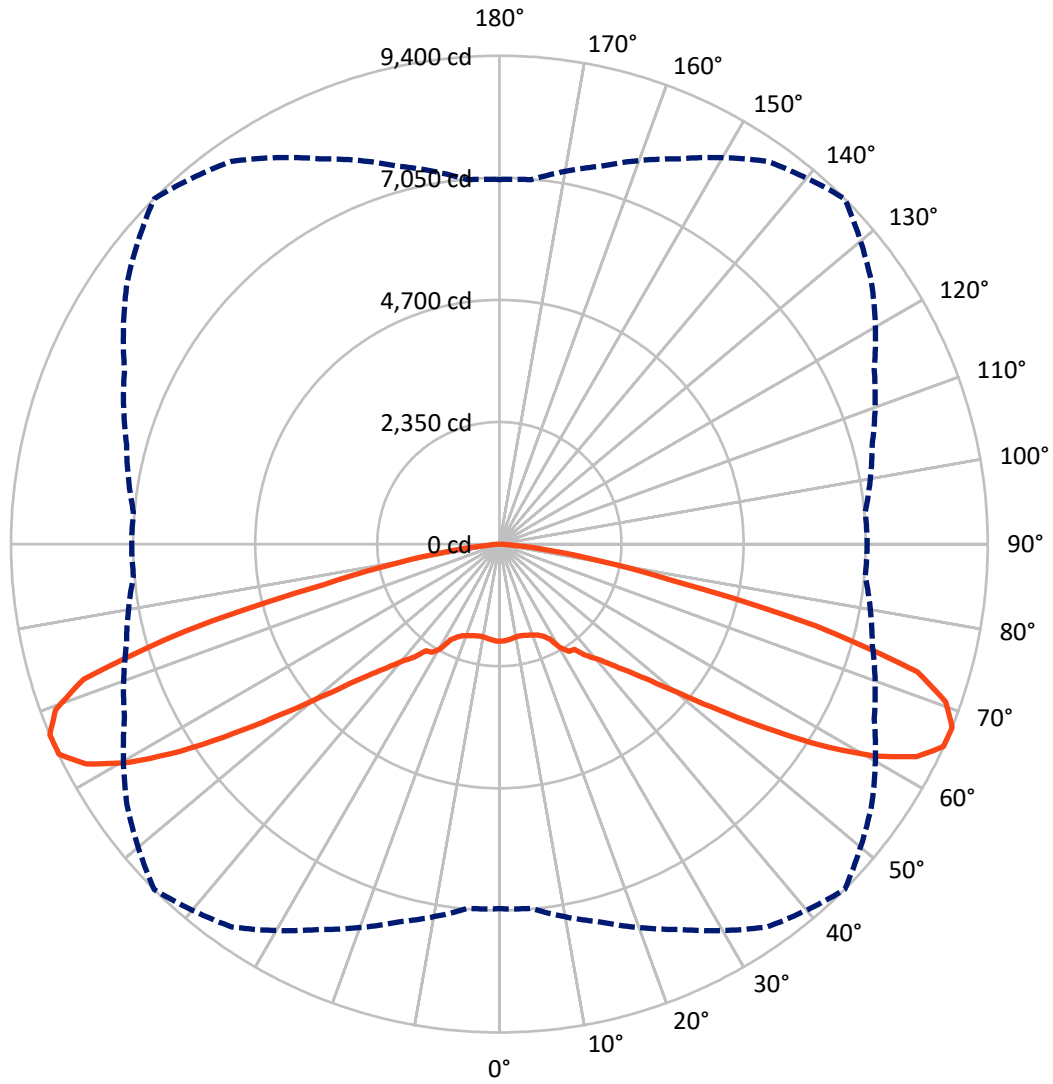
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	11905.1	0.0	11905.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11905.1	0.0	11905.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23810.2	0.0	23810.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.3	0.7
10°-20°	520.3	2.2
20°-30°	933.3	3.9
30°-40°	1576.6	6.6
40°-50°	2770.0	11.6
50°-60°	5343.5	22.4
60°-70°	7752.7	32.6
70°-80°	4435.8	18.6
80°-90°	302.7	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°	23810.2	100.0
0°-180°	23810.2	100.0

**Coefficient of Utilization**



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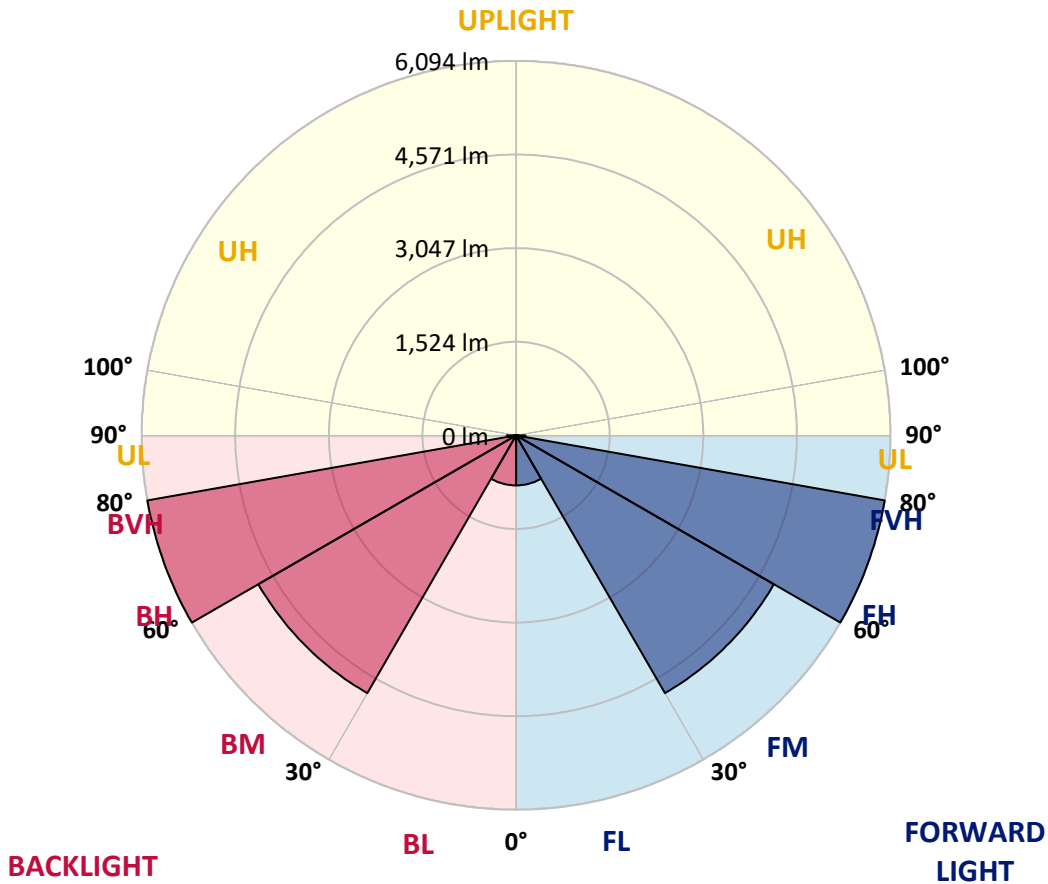
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.4	3.4			
FM (30°-60°)	4845.1	20.3			
FH (60°-80°)	6094.2	25.6			G3/7500
FVH (80°-90°)	151.4	0.6			G2/225
BL (0°-30°)	814.4	3.4	B2/1000		
BM (30°-60°)	4845.1	20.3	B3/5000		
BH (60°-80°)	6094.2	25.6	B5		G3/7500
BVH (80°-90°)	151.4	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°	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2	1867.2
2.5°	1852.1	1853.7	1857.1	1857.1	1860.5	1865.5	1867.2	1863.8	1865.5	1857.1	1865.5
5°	1847.0	1848.7	1850.4	1847.0	1847.0	1848.7	1848.7	1845.3	1847.0	1838.6	1847.0
7.5°	1835.2	1836.9	1836.9	1831.8	1826.8	1830.2	1830.2	1826.8	1828.5	1820.1	1830.2
10°	1825.1	1825.1	1823.4	1813.3	1808.3	1813.3	1815.0	1816.7	1823.4	1816.7	1828.5
12.5°	1831.8	1831.8	1826.8	1813.3	1804.9	1808.3	1811.6	1815.0	1826.8	1825.1	1838.6
15°	1850.4	1852.1	1838.6	1823.4	1818.4	1823.4	1820.1	1818.4	1833.5	1838.6	1853.7
17.5°	1865.5	1865.5	1848.7	1833.5	1835.2	1843.6	1836.9	1828.5	1843.6	1853.7	1870.6
20°	1879.0	1877.3	1858.8	1848.7	1855.4	1867.2	1862.2	1850.4	1860.5	1872.3	1887.4
22.5°	1912.7	1911.0	1890.8	1885.7	1892.5	1904.2	1899.2	1889.1	1900.9	1917.7	1936.2
25°	2008.6	2005.3	1975.0	1958.1	1954.8	1963.2	1961.5	1958.1	1976.6	1996.8	2018.7
27.5°	2136.6	2134.9	2113.0	2096.2	2074.3	2067.6	2072.6	2087.8	2114.7	2129.9	2148.4
30°	2200.6	2200.6	2197.2	2224.1	2271.3	2316.7	2281.4	2224.1	2200.6	2193.8	2212.4
32.5°	2284.8	2293.2	2281.4	2311.7	2390.8	2458.2	2390.8	2298.2	2281.4	2281.4	2301.6
35°	2478.4	2481.8	2463.2	2458.2	2483.4	2491.9	2459.9	2426.2	2444.7	2448.1	2473.3
37.5°	2633.3	2633.3	2624.9	2638.3	2690.5	2722.5	2670.3	2609.7	2614.8	2618.1	2650.1
40°	2872.4	2879.1	2858.9	2857.2	2877.4	2906.0	2850.5	2811.8	2838.7	2847.1	2895.9
42.5°	3170.4	3170.4	3140.1	3131.7	3145.1	3175.4	3123.2	3098.0	3133.3	3140.1	3168.7
45°	3525.6	3534.1	3493.6	3478.5	3485.2	3495.3	3458.3	3446.5	3480.2	3495.3	3545.8
47.5°	3958.3	3966.8	3931.4	3929.7	3923.0	3929.7	3894.4	3887.6	3914.6	3902.8	3956.7
50°	4492.1	4507.2	4476.9	4519.0	4514.0	4534.2	4485.3	4450.0	4450.0	4418.0	4448.3
52.5°	5089.8	5120.1	5135.2	5206.0	5259.8	5310.3	5229.5	5174.0	5093.1	5027.5	5110.0
55°	5741.4	5732.9	5828.9	5983.8	6142.1	6261.6	6103.4	5928.3	5796.9	5660.5	5692.5
57.5°	6312.1	6340.8	6467.0	6749.9	7063.1	7315.6	7031.1	6694.3	6396.3	6201.0	6227.9
60°	6786.9	6810.5	6978.9	7386.3	7933.5	8282.0	7830.8	7275.2	6842.5	6573.1	6601.7
62.5°	7224.7	7246.6	7416.6	7866.2	8556.5	9011.1	8428.5	7669.2	7187.6	6916.6	6933.4
65°	7477.2	7490.7	7723.1	8196.2	8923.5	9393.3	8736.6	7953.7	7480.6	7204.5	7214.6
67.5°	7017.6	7039.5	7529.4	8182.7	8994.2	9400.0	8750.1	7962.1	7430.1	7069.8	7078.2
70°	5536.0	5517.4	6101.7	7224.7	8588.5	9117.1	8361.2	7364.4	6542.8	6039.4	6031.0
72.5°	4221.0	4226.0	4551.0	5320.4	7002.4	8413.4	7377.9	5929.9	5044.3	4662.1	4647.0
75°	3060.9	3108.1	3372.4	3936.5	4897.8	6288.6	5554.5	4394.4	3801.8	3572.8	3539.1
77.5°	1378.9	1439.5	1808.3	2471.6	3274.8	3475.1	3488.6	2983.5	2251.1	1870.6	1811.6
80°	402.4	431.0	553.9	947.9	1525.4	1971.6	1565.8	1316.6	820.0	643.2	612.9
82.5°	170.1	193.6	237.4	262.7	442.8	914.2	569.1	362.0	336.7	272.8	249.2
85°	72.4	77.4	99.3	106.1	143.1	195.3	180.2	163.3	156.6	121.2	111.1
87.5°	30.3	30.3	30.3	26.9	25.3	26.9	37.0	47.1	62.3	48.8	45.5
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)