

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: P639726

Luminaire Tested: GWS-SA5C-740-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639726  
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-740-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

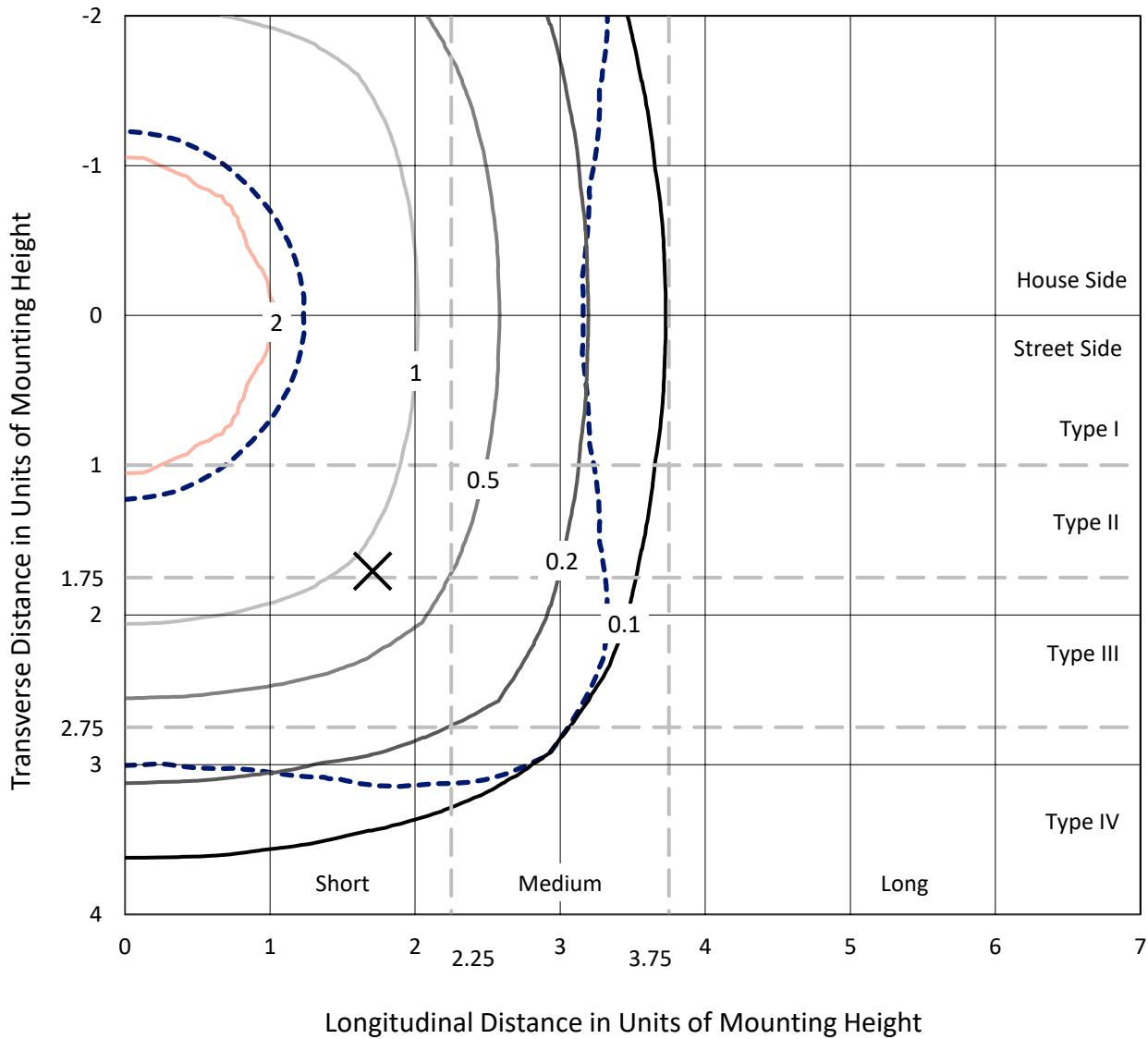
Lumens per Lamp: N/A  
Luminaire Lumens: 24141.1 lumens  
Efficiency: N/A  
Efficacy: 153.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): 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

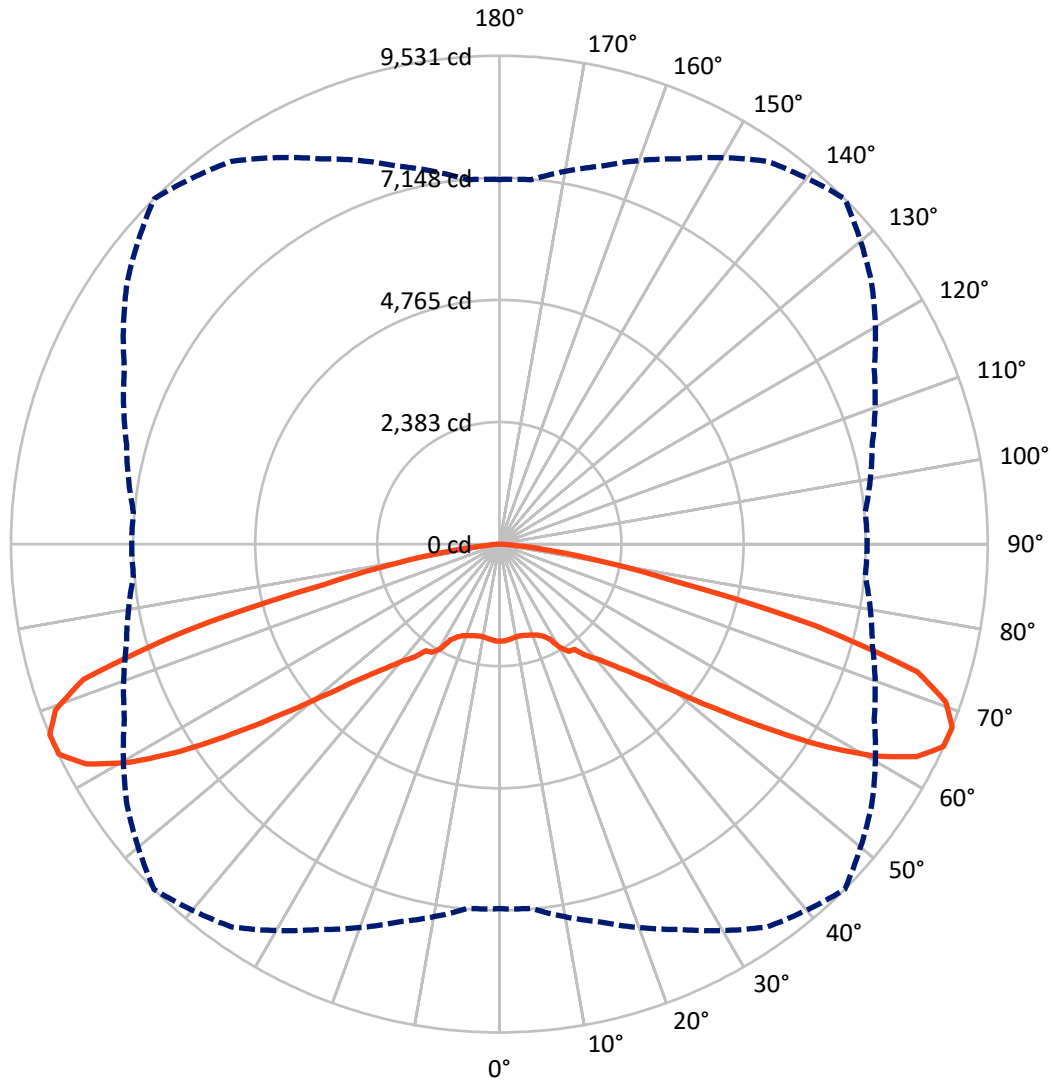
✕ Max cd  
 - - - 1/2 Max cd



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	12070.5	0.0	12070.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12070.5	0.0	12070.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24141.1	0.0	24141.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.8	0.7
10°-20°	527.5	2.2
20°-30°	946.2	3.9
30°-40°	1598.5	6.6
40°-50°	2808.5	11.6
50°-60°	5417.8	22.4
60°-70°	7860.5	32.6
70°-80°	4497.4	18.6
80°-90°	306.9	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°	24141.1	100.0
0°-180°	24141.1	100.0

**Coefficient of Utilization**



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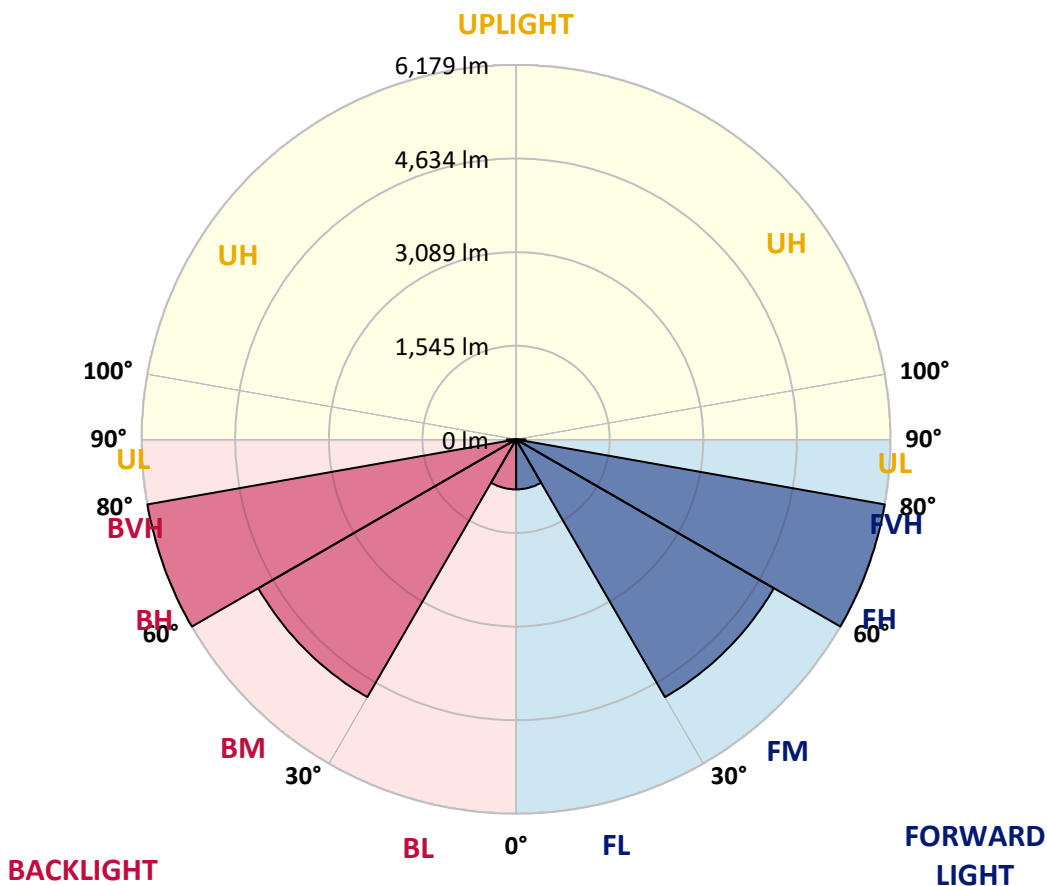
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.7	3.4			
FM (30°-60°)	4912.4	20.3			
FH (60°-80°)	6178.9	25.6			G3/7500
FVH (80°-90°)	153.5	0.6			G2/225
BL (0°-30°)	825.7	3.4	B2/1000		
BM (30°-60°)	4912.4	20.3	B3/5000		
BH (60°-80°)	6178.9	25.6	B5		G3/7500
BVH (80°-90°)	153.5	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°	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2
2.5°	1877.8	1879.5	1882.9	1882.9	1886.3	1891.4	1893.2	1889.7	1891.4	1882.9	1891.4
5°	1872.7	1874.4	1876.1	1872.7	1872.7	1874.4	1874.4	1871.0	1872.7	1864.1	1872.7
7.5°	1860.7	1862.4	1862.4	1857.3	1852.2	1855.6	1855.6	1852.2	1853.9	1845.4	1855.6
10°	1850.5	1850.5	1848.8	1838.5	1833.4	1838.5	1840.2	1841.9	1848.8	1841.9	1853.9
12.5°	1857.3	1857.3	1852.2	1838.5	1830.0	1833.4	1836.8	1840.2	1852.2	1850.5	1864.1
15°	1876.1	1877.8	1864.1	1848.8	1843.6	1848.8	1845.4	1843.6	1859.0	1864.1	1879.5
17.5°	1891.4	1891.4	1874.4	1859.0	1860.7	1869.3	1862.4	1853.9	1869.3	1879.5	1896.6
20°	1905.1	1903.4	1884.6	1874.4	1881.2	1893.2	1888.0	1876.1	1886.3	1898.3	1913.6
22.5°	1939.2	1937.5	1917.1	1911.9	1918.8	1930.7	1925.6	1915.3	1927.3	1944.4	1963.1
25°	2036.5	2033.1	2002.4	1985.3	1981.9	1990.5	1988.8	1985.3	2004.1	2024.6	2046.8
27.5°	2166.3	2164.6	2142.4	2125.3	2103.1	2096.3	2101.4	2116.8	2144.1	2159.5	2178.2
30°	2231.2	2231.2	2227.7	2255.1	2302.9	2348.9	2313.1	2255.1	2231.2	2224.3	2243.1
32.5°	2316.5	2325.0	2313.1	2343.8	2424.1	2492.3	2424.1	2330.2	2313.1	2313.1	2333.6
35°	2512.8	2516.2	2497.5	2492.3	2517.9	2526.5	2494.0	2459.9	2478.7	2482.1	2507.7
37.5°	2669.9	2669.9	2661.3	2675.0	2727.9	2760.4	2707.4	2646.0	2651.1	2654.5	2686.9
40°	2912.3	2919.1	2898.6	2896.9	2917.4	2946.4	2890.1	2850.8	2878.1	2886.7	2936.2
42.5°	3214.4	3214.4	3183.7	3175.2	3188.8	3219.6	3166.6	3141.0	3176.9	3183.7	3212.7
45°	3574.6	3583.2	3542.2	3526.8	3533.7	3543.9	3506.3	3494.4	3528.5	3543.9	3595.1
47.5°	4013.4	4021.9	3986.0	3984.3	3977.5	3984.3	3948.5	3941.7	3969.0	3957.0	4011.6
50°	4554.5	4569.9	4539.1	4581.8	4576.7	4597.2	4547.7	4511.8	4511.8	4479.4	4510.1
52.5°	5160.5	5191.2	5206.6	5278.3	5332.9	5384.1	5302.2	5245.9	5163.9	5097.3	5181.0
55°	5821.2	5812.6	5909.9	6067.0	6227.4	6348.6	6188.2	6010.6	5877.5	5739.2	5771.6
57.5°	6399.9	6428.9	6556.9	6843.7	7161.2	7417.3	7128.8	6787.4	6485.2	6287.2	6314.5
60°	6881.3	6905.2	7075.9	7489.0	8043.8	8397.1	7939.6	7376.3	6937.6	6664.5	6693.5
62.5°	7325.1	7347.3	7519.7	7975.5	8675.4	9136.3	8545.7	7775.8	7287.5	7012.7	7029.8
65°	7581.2	7594.8	7830.4	8310.1	9047.5	9523.8	8858.1	8064.3	7584.6	7304.6	7314.9
67.5°	7115.1	7137.3	7634.1	8296.4	9119.2	9530.6	8871.7	8072.8	7533.4	7168.0	7176.6
70°	5612.9	5594.1	6186.5	7325.1	8707.8	9243.9	8477.4	7466.8	6633.7	6123.3	6114.8
72.5°	4279.7	4284.8	4614.2	5394.4	7099.8	8530.3	7480.4	6012.3	5114.4	4726.9	4711.5
75°	3103.5	3151.3	3419.3	3991.2	4965.9	6376.0	5631.7	4455.5	3854.6	3622.4	3588.3
77.5°	1398.1	1459.6	1833.4	2506.0	3320.3	3523.4	3537.1	3025.0	2282.4	1896.6	1836.8
80°	408.0	437.0	561.6	961.1	1546.6	1999.0	1587.6	1334.9	831.3	652.1	621.4
82.5°	172.4	196.3	240.7	266.3	449.0	926.9	577.0	367.0	341.4	276.5	252.6
85°	73.4	78.5	100.7	107.5	145.1	198.0	182.7	165.6	158.8	122.9	112.7
87.5°	30.7	30.7	30.7	27.3	25.6	27.3	37.6	47.8	63.2	49.5	46.1
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)