

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: P639938

Luminaire Tested: GWS-SA5C-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639938  
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-SA5C-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

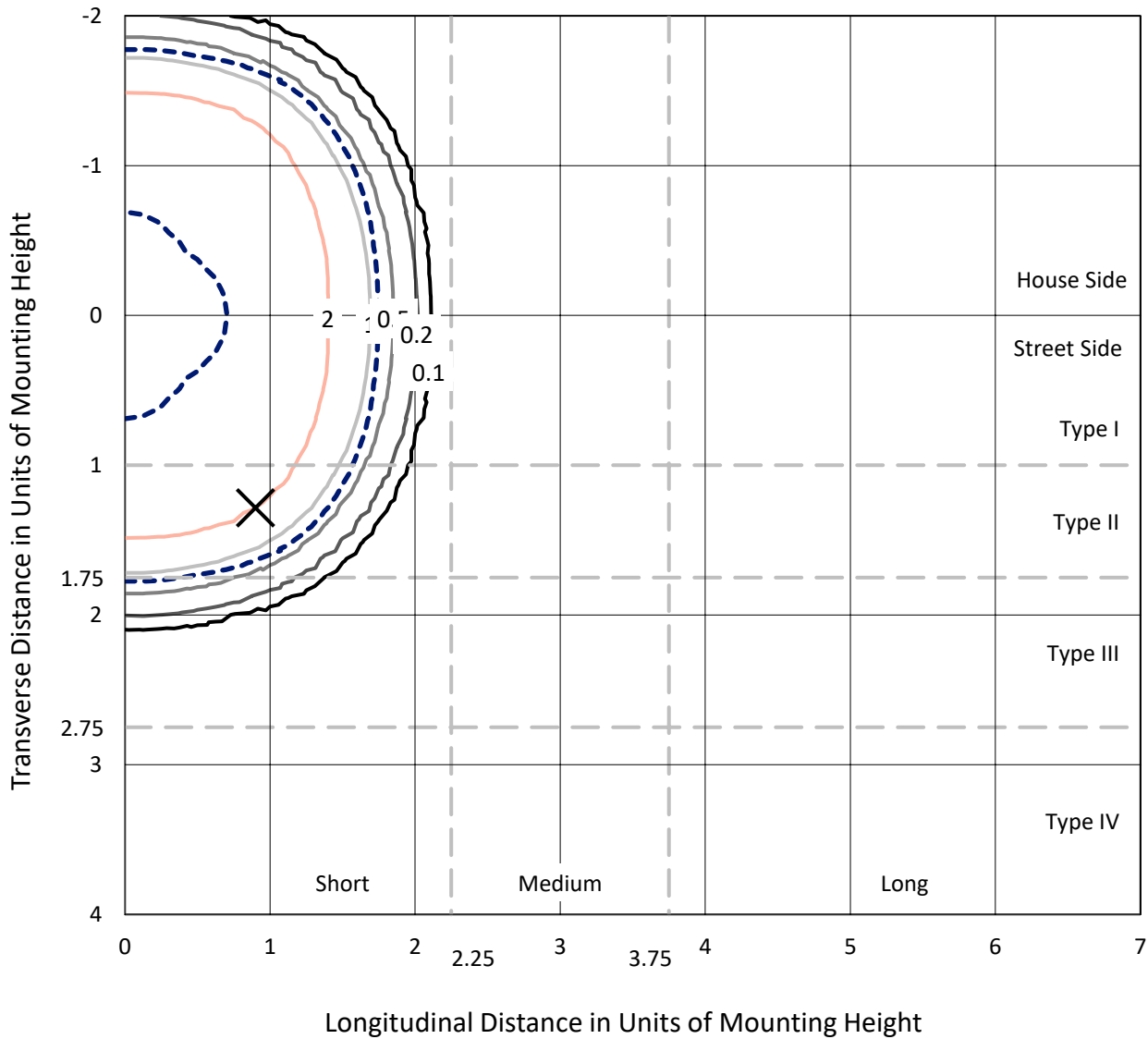
Lumens per Lamp: N/A  
Luminaire Lumens: 11557.7 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 157.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

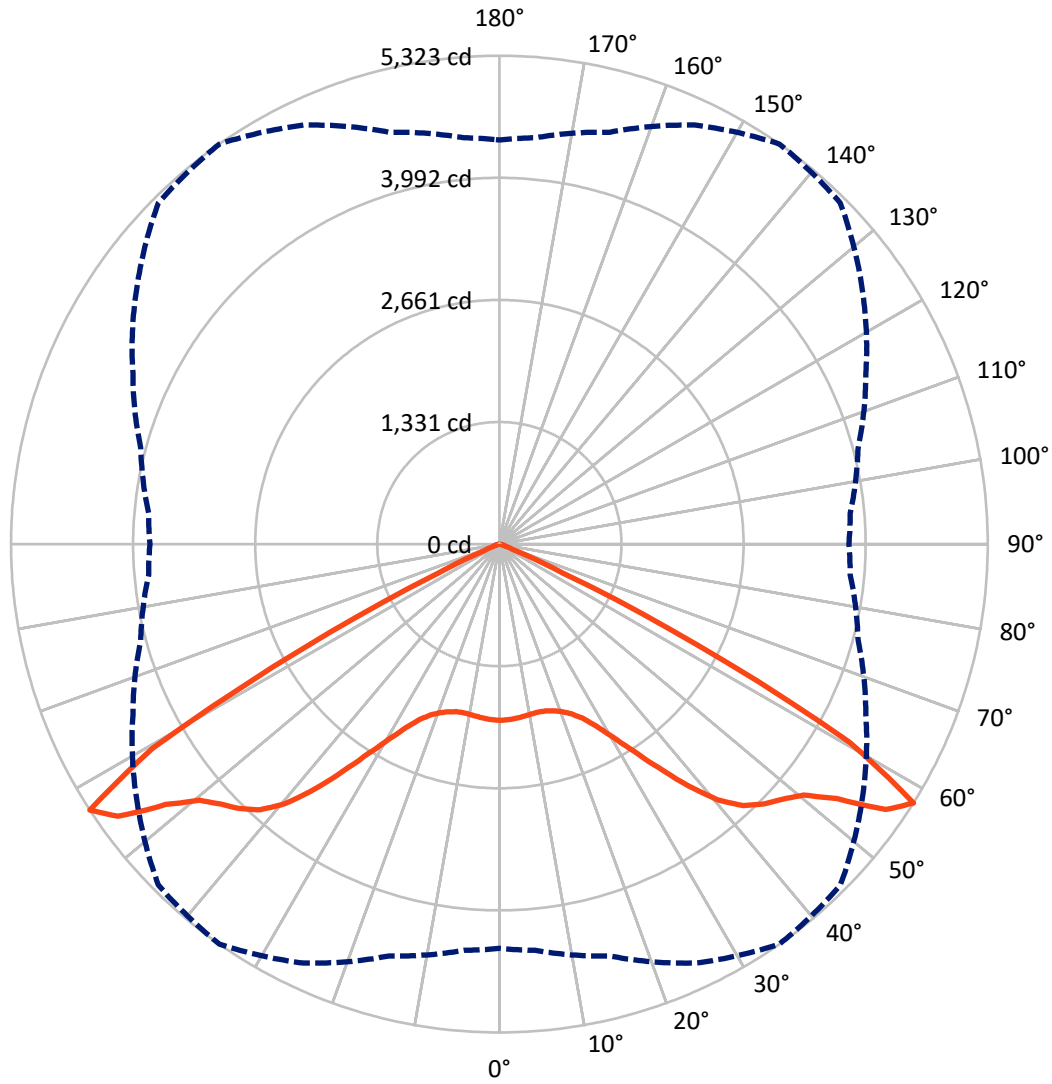
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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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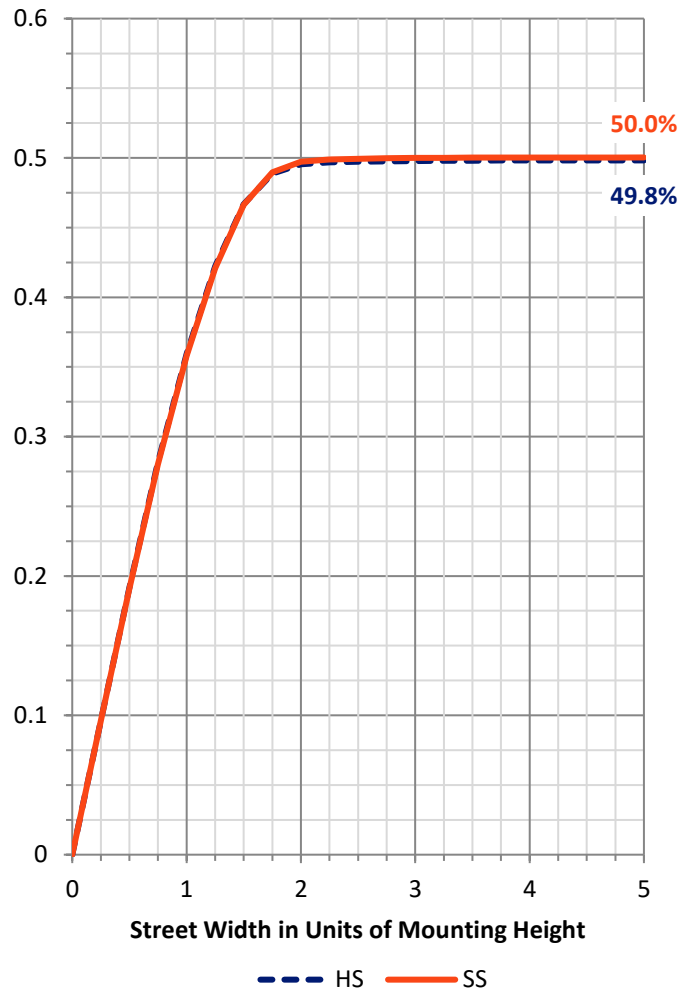
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5778.9	0.0	5778.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5778.9	0.0	5778.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11557.7	0.0	11557.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.0	1.6
10°-20°	532.6	4.6
20°-30°	962.6	8.3
30°-40°	1795.8	15.5
40°-50°	3012.5	26.1
50°-60°	3978.4	34.4
60°-70°	1056.6	9.1
70°-80°	37.5	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°	11557.7	100.0
0°-180°	11557.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P639938

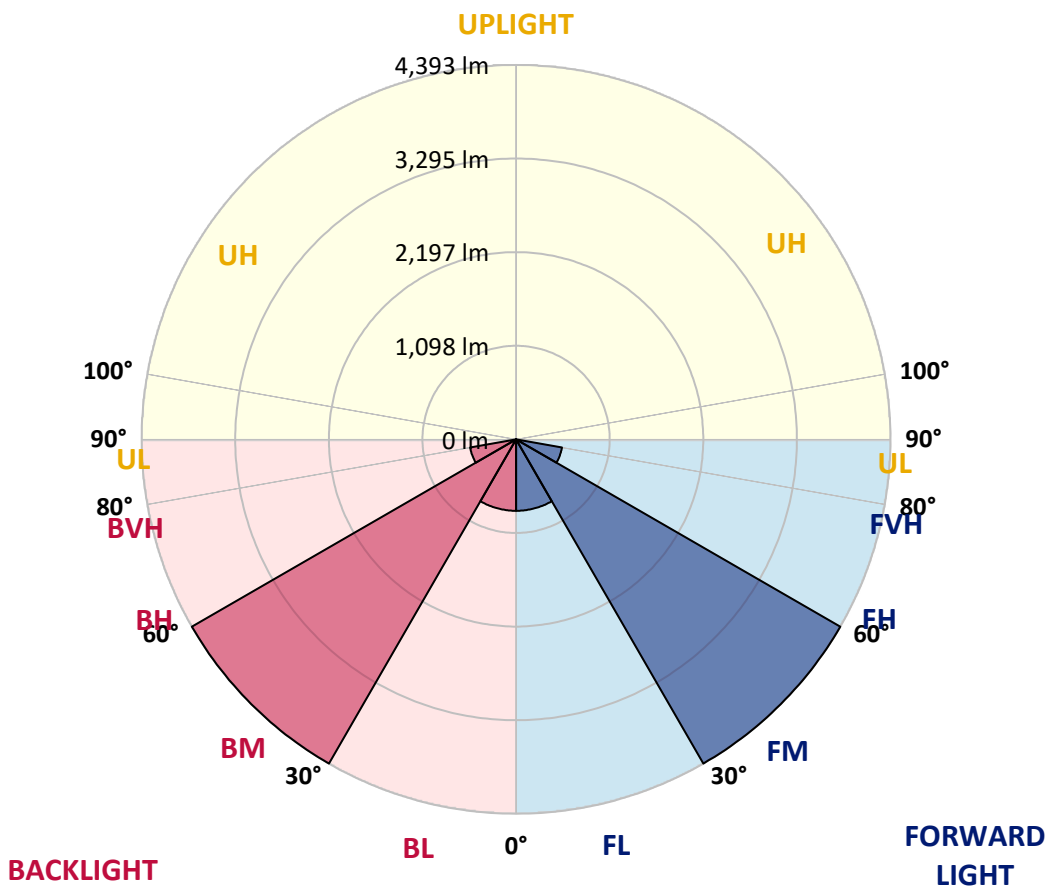
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	838.1	7.3			
FM (30°-60°)	4393.4	38.0			
FH (60°-80°)	547.0	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	838.1	7.3	B2/1000		
BM (30°-60°)	4393.4	38.0	B3/5000		
BH (60°-80°)	547.0	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°	1921.6	1921.6	1921.6	1921.6	1921.6	1921.6	1921.6	1921.6	1921.6	1921.6	1921.6
2.5°	1908.0	1906.7	1912.1	1916.1	1916.1	1925.6	1922.9	1920.2	1917.5	1913.4	1922.9
5°	1905.3	1903.9	1908.0	1910.7	1908.0	1916.1	1910.7	1905.3	1902.6	1897.2	1908.0
7.5°	1893.1	1894.4	1897.2	1899.9	1895.8	1902.6	1895.8	1887.7	1880.9	1875.5	1885.0
10°	1874.1	1875.5	1878.2	1883.6	1885.0	1894.4	1885.0	1870.0	1860.5	1852.4	1861.9
12.5°	1864.6	1866.0	1870.0	1876.8	1878.2	1890.4	1878.2	1856.5	1842.9	1833.4	1842.9
15°	1867.3	1870.0	1875.5	1883.6	1886.3	1898.5	1882.2	1853.8	1834.8	1822.6	1830.7
17.5°	1876.8	1879.5	1887.7	1901.2	1910.7	1922.9	1902.6	1866.0	1840.2	1822.6	1830.7
20°	1889.0	1893.1	1906.7	1928.4	1948.7	1970.4	1944.6	1894.4	1860.5	1838.9	1845.6
22.5°	1922.9	1927.0	1946.0	1974.5	2008.4	2035.5	2004.3	1940.6	1894.4	1866.0	1872.8
25°	1992.1	1996.2	2020.6	2057.2	2100.6	2135.8	2096.5	2016.5	1956.8	1924.3	1927.0
27.5°	2100.6	2104.6	2133.1	2184.7	2243.0	2293.1	2236.2	2142.6	2074.8	2036.8	2036.8
30°	2237.5	2243.0	2280.9	2350.1	2441.0	2507.4	2430.1	2316.2	2229.4	2177.9	2179.2
32.5°	2413.8	2408.4	2462.6	2557.6	2686.4	2774.5	2660.6	2522.3	2415.2	2343.3	2350.1
35°	2640.3	2638.9	2700.0	2828.8	2996.9	3102.7	2967.1	2788.1	2659.3	2586.1	2587.4
37.5°	2931.9	2930.5	3001.0	3140.7	3342.7	3430.9	3279.0	3097.3	2959.0	2888.5	2896.6
40°	3273.6	3265.5	3327.8	3462.1	3664.1	3721.1	3555.7	3409.2	3276.3	3231.5	3253.2
42.5°	3599.0	3581.4	3618.0	3740.1	3896.0	3904.2	3779.4	3679.1	3588.2	3552.9	3566.5
45°	3860.8	3847.2	3881.1	3951.6	4041.1	4000.4	3940.8	3909.6	3836.4	3798.4	3810.6
47.5°	4056.0	4056.0	4096.7	4140.1	4153.7	4079.1	4088.6	4088.6	4015.4	3955.7	3940.8
50°	4224.2	4236.4	4297.4	4342.2	4297.4	4202.5	4256.7	4245.9	4096.7	3977.4	3946.2
52.5°	4492.7	4504.9	4598.5	4659.5	4609.3	4515.8	4522.5	4386.9	4167.2	4026.2	3977.4
55°	4777.5	4807.3	4942.9	5105.7	5107.0	5010.7	4831.7	4591.7	4324.6	4171.3	4121.1
57.5°	4404.6	4445.2	4647.3	5039.2	5322.6	5256.2	4829.0	4407.3	4046.6	3837.7	3809.2
60°	3030.8	3101.4	3303.4	3839.1	4385.6	4411.3	3906.9	3433.6	3020.0	2762.3	2767.8
62.5°	1280.1	1352.0	1465.9	1906.7	2408.4	2439.6	2195.5	1856.5	1518.8	1333.0	1361.5
65°	301.1	321.4	355.3	527.5	764.8	800.1	737.7	575.0	424.5	359.4	366.1
67.5°	131.5	134.3	127.5	135.6	168.2	172.2	166.8	146.5	138.3	141.0	141.0
70°	92.2	93.6	88.1	84.1	80.0	74.6	77.3	85.4	92.2	97.6	96.3
72.5°	57.0	58.3	59.7	59.7	55.6	50.2	52.9	58.3	59.7	61.0	59.7
75°	28.5	29.8	32.5	33.9	32.5	31.2	31.2	32.5	32.5	31.2	31.2
77.5°	5.4	6.8	9.5	10.8	10.8	10.8	10.8	10.8	12.2	10.8	10.8
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)