

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: P639836

Luminaire Tested: GWS-SA5C-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639836
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24355.9 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

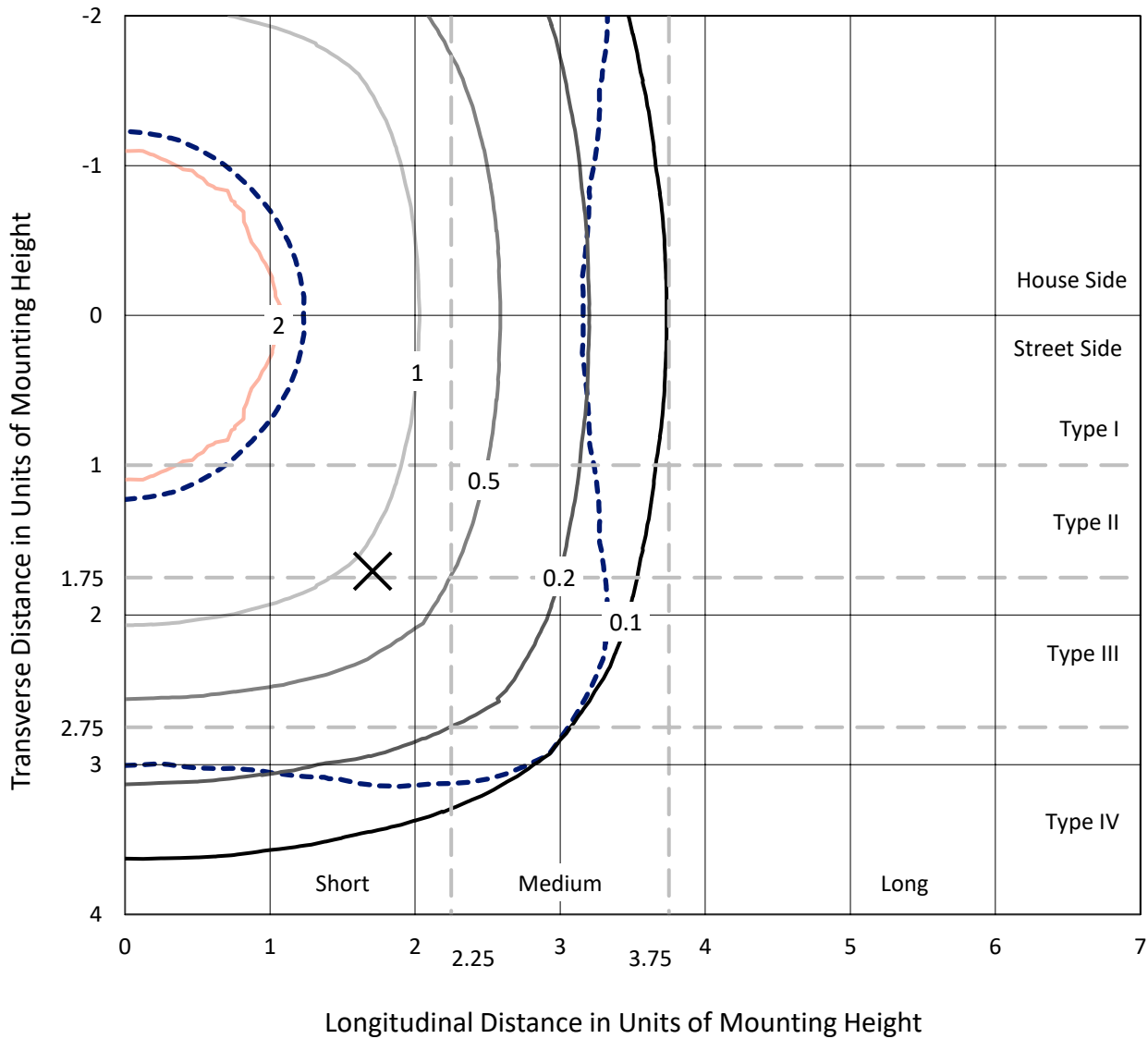
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

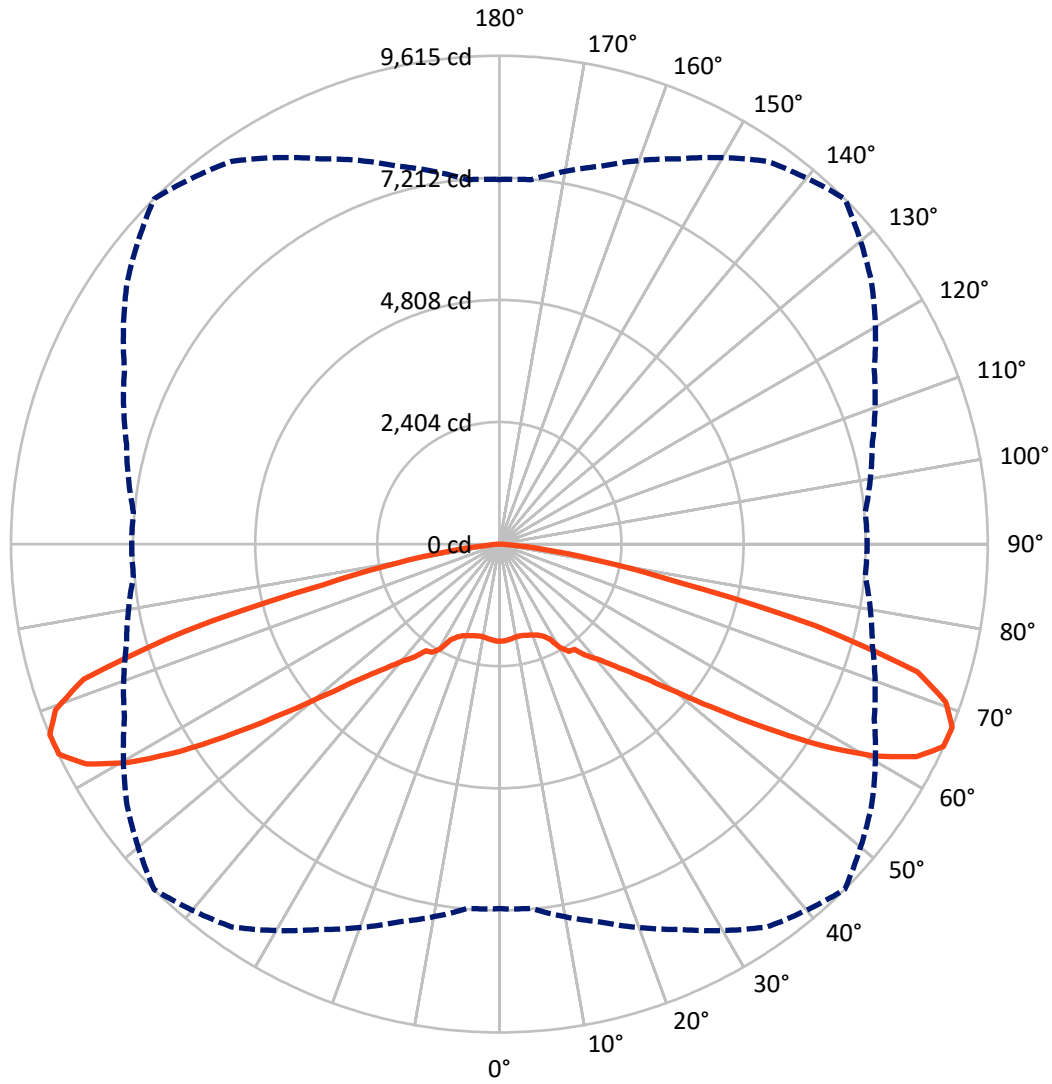
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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
House Side	Lumens	12177.9	0.0	12177.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12177.9	0.0	12177.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	24355.9	0.0	24355.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	0.7
10°-20°	532.2	2.2
20°-30°	954.7	3.9
30°-40°	1612.7	6.6
40°-50°	2833.5	11.6
50°-60°	5466.0	22.4
60°-70°	7930.4	32.6
70°-80°	4537.4	18.6
80°-90°	309.7	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°	24355.9	100.0
0°-180°	24355.9	100.0

Coefficient of Utilization



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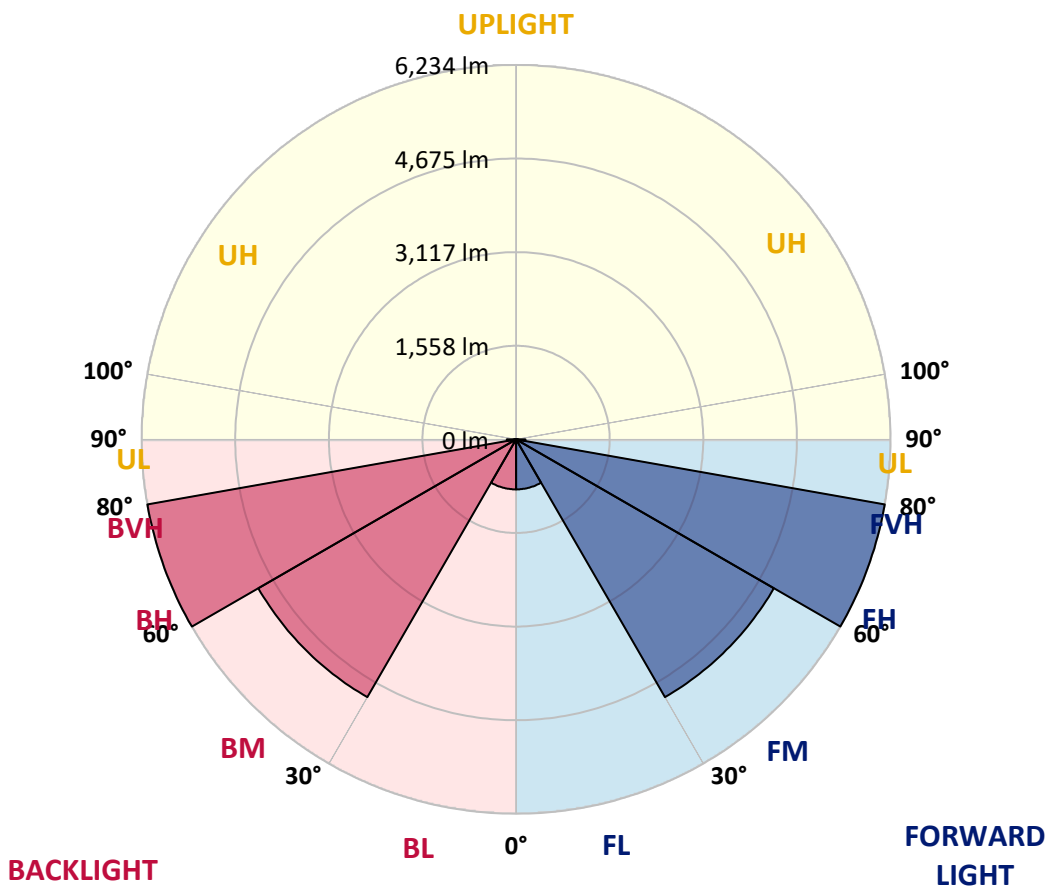
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.1	3.4			
FM (30°-60°)	4956.1	20.3			
FH (60°-80°)	6233.9	25.6			G3/7500
FVH (80°-90°)	154.8	0.6			G2/225
BL (0°-30°)	833.1	3.4	B2/1000		
BM (30°-60°)	4956.1	20.3	B3/5000		
BH (60°-80°)	6233.9	25.6	B5		G3/7500
BVH (80°-90°)	154.8	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°	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0	1910.0
2.5°	1894.5	1896.2	1899.7	1899.7	1903.1	1908.3	1910.0	1906.6	1908.3	1899.7	1908.3
5°	1889.3	1891.1	1892.8	1889.3	1889.3	1891.1	1891.1	1887.6	1889.3	1880.7	1889.3
7.5°	1877.3	1879.0	1879.0	1873.8	1868.7	1872.1	1872.1	1868.7	1870.4	1861.8	1872.1
10°	1866.9	1866.9	1865.2	1854.9	1849.7	1854.9	1856.6	1858.3	1865.2	1858.3	1870.4
12.5°	1873.8	1873.8	1868.7	1854.9	1846.3	1849.7	1853.2	1856.6	1868.7	1866.9	1880.7
15°	1892.8	1894.5	1880.7	1865.2	1860.1	1865.2	1861.8	1860.1	1875.6	1880.7	1896.2
17.5°	1908.3	1908.3	1891.1	1875.6	1877.3	1885.9	1879.0	1870.4	1885.9	1896.2	1913.4
20°	1922.1	1920.3	1901.4	1891.1	1897.9	1910.0	1904.8	1892.8	1903.1	1915.2	1930.7
22.5°	1956.5	1954.8	1934.1	1928.9	1935.8	1947.9	1942.7	1932.4	1944.4	1961.7	1980.6
25°	2054.7	2051.2	2020.2	2003.0	1999.6	2008.2	2006.4	2003.0	2021.9	2042.6	2065.0
27.5°	2185.6	2183.8	2161.5	2144.2	2121.8	2115.0	2120.1	2135.6	2163.2	2178.7	2197.6
30°	2251.0	2251.0	2247.6	2275.1	2323.3	2369.8	2333.7	2275.1	2251.0	2244.1	2263.1
32.5°	2337.1	2345.7	2333.7	2364.7	2445.6	2514.5	2445.6	2350.9	2333.7	2333.7	2354.3
35°	2535.2	2538.6	2519.7	2514.5	2540.4	2549.0	2516.2	2481.8	2500.7	2504.2	2530.0
37.5°	2693.6	2693.6	2685.0	2698.8	2752.2	2784.9	2731.5	2669.5	2674.7	2678.1	2710.9
40°	2938.2	2945.1	2924.4	2922.7	2943.4	2972.6	2915.8	2876.2	2903.8	2912.4	2962.3
42.5°	3243.0	3243.0	3212.0	3203.4	3217.2	3248.2	3194.8	3169.0	3205.1	3212.0	3241.3
45°	3606.4	3615.0	3573.7	3558.2	3565.1	3575.4	3537.5	3525.5	3559.9	3575.4	3627.1
47.5°	4049.1	4057.7	4021.5	4019.8	4012.9	4019.8	3983.6	3976.7	4004.3	3992.2	4047.3
50°	4595.0	4610.5	4579.5	4622.6	4617.4	4638.1	4588.1	4552.0	4552.0	4519.2	4550.2
52.5°	5206.4	5237.4	5252.9	5325.3	5380.4	5432.0	5349.4	5292.5	5209.9	5142.7	5227.1
55°	5872.9	5864.3	5962.5	6121.0	6282.8	6405.1	6243.2	6064.1	5929.8	5790.3	5823.0
57.5°	6456.8	6486.1	6615.2	6904.6	7224.9	7483.3	7192.2	6847.8	6542.9	6343.1	6370.7
60°	6942.5	6966.6	7138.8	7555.6	8115.3	8471.9	8010.3	7441.9	6999.3	6723.8	6753.0
62.5°	7390.3	7412.7	7586.6	8046.5	8752.6	9217.6	8621.7	7844.9	7352.4	7075.1	7092.3
65°	7648.6	7662.4	7900.1	8384.0	9128.0	9608.6	8936.9	8136.0	7652.1	7369.6	7379.9
67.5°	7178.4	7200.8	7702.0	8370.2	9200.4	9615.4	8950.6	8144.6	7600.4	7231.8	7240.4
70°	5662.8	5643.9	6241.5	7390.3	8785.3	9326.1	8552.8	7533.2	6692.7	6177.8	6169.2
72.5°	4317.7	4322.9	4655.3	5442.4	7162.9	8606.2	7547.0	6065.8	5159.9	4769.0	4753.5
75°	3131.1	3179.3	3449.7	4026.7	5010.1	6432.7	5681.8	4495.1	3888.9	3654.7	3620.2
77.5°	1410.5	1472.5	1849.7	2528.3	3349.8	3554.8	3568.5	3051.9	2302.7	1913.4	1853.2
80°	411.6	440.9	566.6	969.6	1560.4	2016.8	1601.7	1346.8	838.7	657.9	626.9
82.5°	173.9	198.1	242.8	268.7	453.0	935.2	582.1	370.3	344.5	279.0	254.9
85°	74.1	79.2	101.6	108.5	146.4	199.8	184.3	167.1	160.2	124.0	113.7
87.5°	31.0	31.0	31.0	27.6	25.8	27.6	37.9	48.2	63.7	49.9	46.5
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)