

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: P639170

Luminaire Tested: GWS-SA5B-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18135.8 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

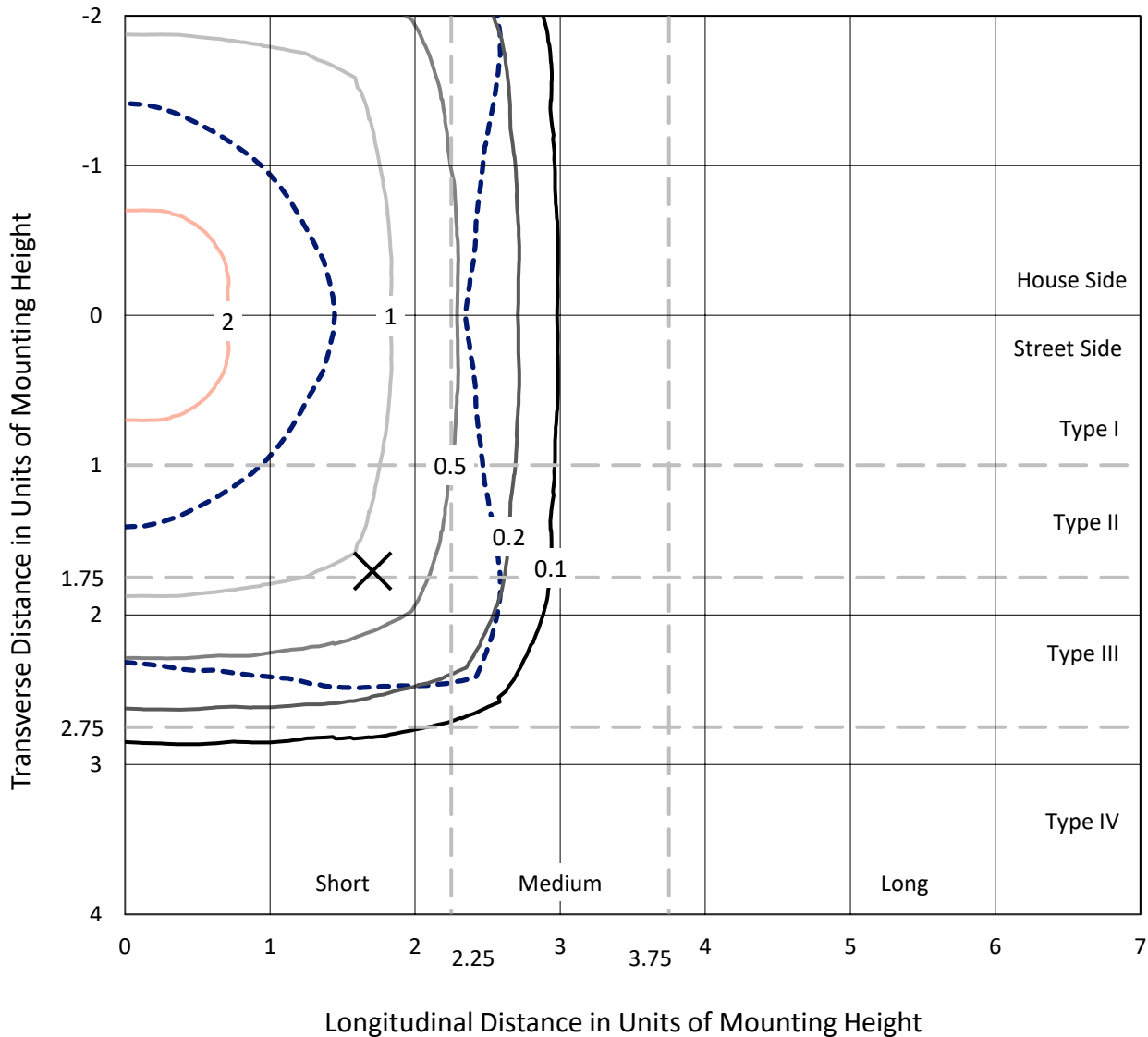
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

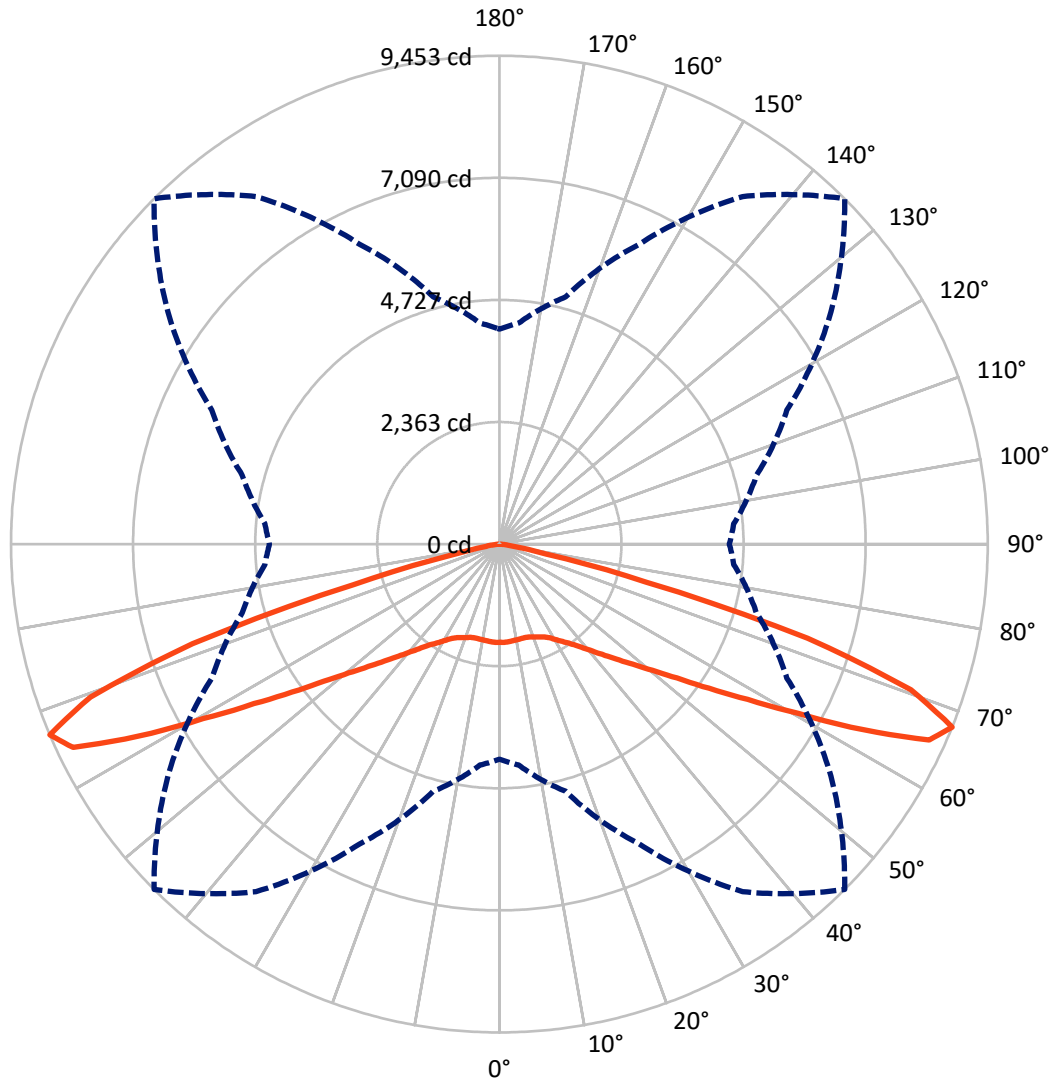
✕ Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	9067.9	0.0	9067.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9067.9	0.0	9067.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	18135.8	0.0	18135.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	1.0
10°-20°	528.0	2.9
20°-30°	910.7	5.0
30°-40°	1480.8	8.2
40°-50°	2493.3	13.7
50°-60°	4417.7	24.4
60°-70°	6314.8	34.8
70°-80°	1733.1	9.6
80°-90°	77.6	0.4
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°	18135.8	100.0
0°-180°	18135.8	100.0

Coefficient of Utilization



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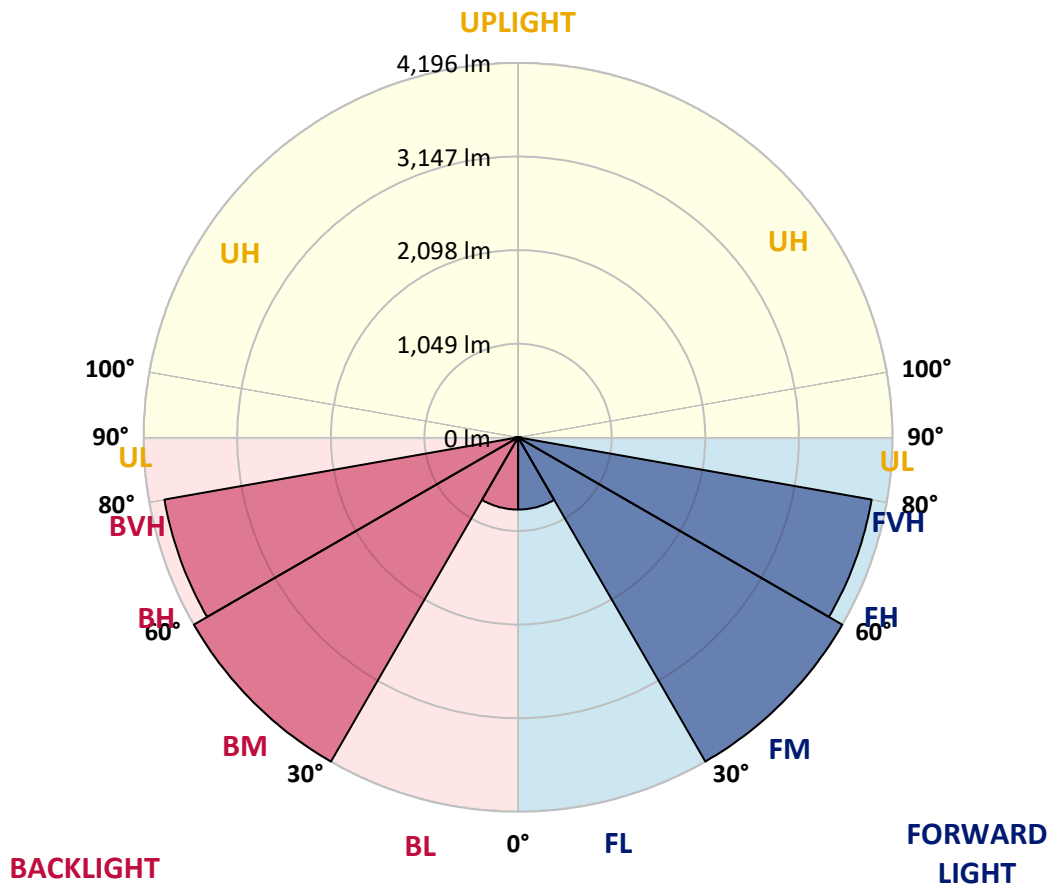
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	809.2	4.5			
FM (30°-60°)	4195.9	23.1			
FH (60°-80°)	4024.0	22.2			G2/5000
FVH (80°-90°)	38.8	0.2			G1/100
BL (0°-30°)	809.2	4.5	B2/1000		
BM (30°-60°)	4195.9	23.1	B3/5000		
BH (60°-80°)	4024.0	22.2	B4/5000		G2/5000
BVH (80°-90°)	38.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1899.4	1899.4	1899.4	1899.4	1899.4	1899.4	1899.4	1899.4	1899.4	1899.4	1899.4
2.5°	1886.9	1885.6	1891.9	1895.6	1894.4	1903.2	1901.9	1899.4	1899.4	1895.6	1905.7
5°	1886.9	1885.6	1890.6	1891.9	1889.4	1896.9	1894.4	1891.9	1891.9	1886.9	1895.6
7.5°	1876.8	1878.1	1881.8	1884.3	1881.8	1888.1	1884.3	1879.3	1878.1	1873.0	1881.8
10°	1858.0	1859.2	1863.0	1869.3	1870.5	1881.8	1875.6	1866.8	1863.0	1858.0	1866.8
12.5°	1846.7	1847.9	1851.7	1859.2	1861.7	1876.8	1870.5	1856.7	1850.4	1845.4	1854.2
15°	1844.2	1845.4	1850.4	1858.0	1861.7	1876.8	1870.5	1854.2	1845.4	1839.1	1846.7
17.5°	1844.2	1846.7	1854.2	1865.5	1873.0	1888.1	1880.6	1861.7	1849.2	1837.9	1845.4
20°	1845.4	1849.2	1860.5	1876.8	1895.6	1917.0	1906.9	1881.8	1864.3	1850.4	1855.5
22.5°	1856.7	1863.0	1876.8	1898.2	1925.8	1950.9	1942.1	1908.2	1883.1	1864.3	1869.3
25°	1895.6	1898.2	1915.7	1943.3	1969.7	1991.0	1982.3	1950.9	1919.5	1896.9	1903.2
27.5°	1964.7	1971.0	1986.0	2014.9	2037.5	2048.8	2047.5	2026.2	1994.8	1974.7	1979.8
30°	2047.5	2053.8	2073.9	2106.5	2129.1	2141.7	2137.9	2121.6	2092.7	2065.1	2070.1
32.5°	2144.2	2146.7	2170.6	2207.0	2230.8	2249.7	2237.1	2219.5	2183.1	2150.5	2153.0
35°	2267.2	2271.0	2296.1	2330.0	2348.8	2363.9	2361.4	2343.8	2304.9	2269.7	2278.5
37.5°	2421.6	2424.2	2446.8	2489.4	2504.5	2515.8	2518.3	2509.5	2469.4	2424.2	2432.9
40°	2613.7	2615.0	2640.1	2677.7	2694.1	2701.6	2702.9	2704.1	2662.7	2628.8	2626.3
42.5°	2837.2	2843.5	2878.6	2915.0	2922.5	2918.8	2931.3	2943.9	2903.7	2857.3	2861.0
45°	3104.6	3108.3	3156.1	3196.2	3182.4	3169.9	3193.7	3218.8	3182.4	3122.2	3104.6
47.5°	3420.9	3428.5	3479.9	3520.1	3497.5	3474.9	3513.8	3540.2	3481.2	3417.2	3400.9
50°	3778.7	3783.7	3856.6	3906.8	3880.4	3839.0	3887.9	3915.6	3836.5	3757.4	3722.2
52.5°	4201.8	4191.7	4288.4	4376.3	4360.0	4306.0	4346.2	4351.2	4233.2	4121.4	4086.3
55°	4717.8	4707.7	4804.4	4901.0	4941.2	4927.4	4908.6	4878.4	4703.9	4584.7	4552.0
57.5°	5319.1	5287.7	5423.3	5553.8	5641.7	5666.8	5586.5	5516.2	5378.1	5231.2	5193.5
60°	5877.7	5876.5	6091.2	6317.1	6558.2	6658.6	6455.2	6264.4	5954.3	5686.9	5632.9
62.5°	6034.7	6061.0	6412.5	6972.4	7567.5	7922.8	7386.7	6755.3	6156.4	5753.5	5681.9
65°	5648.0	5713.3	6212.9	7096.7	8271.8	9140.5	7930.3	6766.6	5931.7	5429.6	5354.2
67.5°	4162.9	4293.4	4955.0	6403.7	8211.5	9453.1	7833.6	6140.1	5152.1	4554.6	4450.4
70°	2053.8	2178.1	2702.9	4213.1	6756.5	8450.0	6777.9	4627.4	3479.9	2905.0	2809.6
72.5°	755.7	806.0	1011.8	1802.7	3728.5	6241.8	4634.9	2584.8	1686.0	1342.0	1278.0
75°	370.3	379.1	410.5	605.1	1375.9	2937.6	2178.1	991.8	620.2	539.8	522.2
77.5°	236.0	239.8	254.8	288.7	441.9	925.2	660.3	391.7	303.8	291.3	291.3
80°	131.8	135.6	155.7	179.5	207.1	317.6	237.3	234.8	199.6	174.5	170.7
82.5°	62.8	69.0	99.2	97.9	109.2	159.4	139.3	126.8	128.0	96.7	91.6
85°	28.9	28.9	38.9	46.4	49.0	54.0	64.0	72.8	71.6	49.0	52.7
87.5°	13.8	13.8	13.8	12.6	11.3	10.0	13.8	22.6	32.6	22.6	21.3
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)