

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: P634219

Luminaire Tested: GWS-SA3B-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8982.6 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

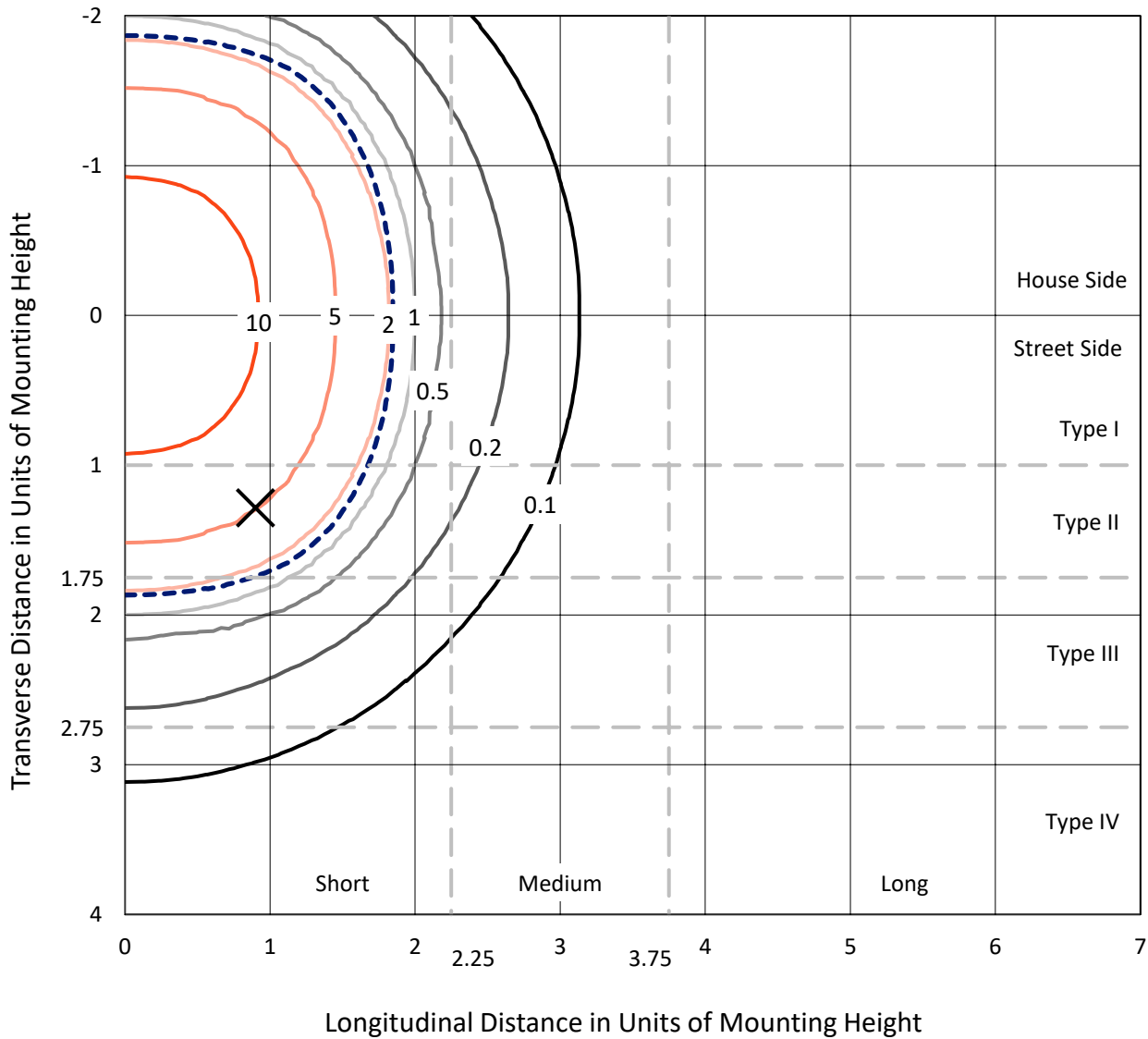
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

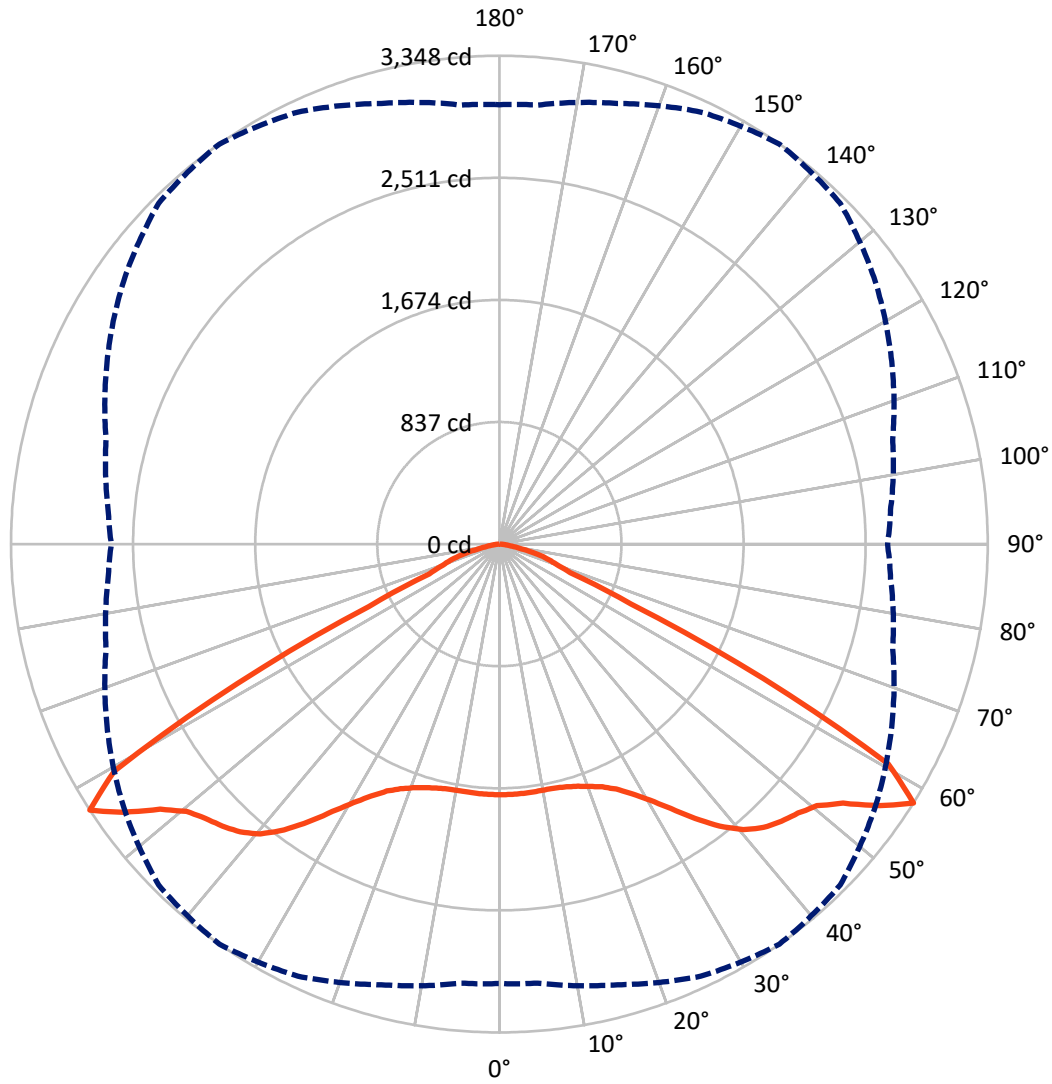
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 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
House Side	Lumens	4491.3	0.0	4491.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4491.3	0.0	4491.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8982.6	0.0	8982.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	1.8
10°-20°	487.8	5.4
20°-30°	851.2	9.5
30°-40°	1395.7	15.5
40°-50°	2055.6	22.9
50°-60°	2623.3	29.2
60°-70°	1105.6	12.3
70°-80°	264.1	2.9
80°-90°	36.0	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°	8982.6	100.0
0°-180°	8982.6	100.0

Coefficient of Utilization



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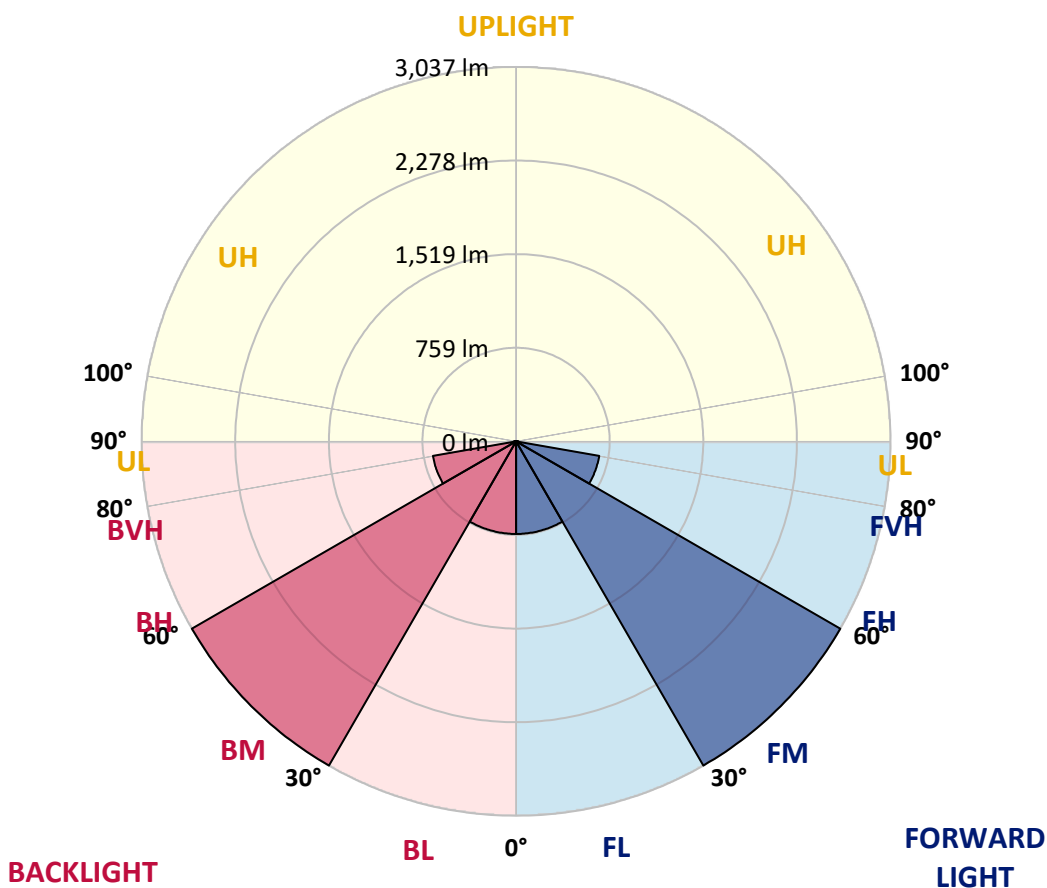
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.2	8.4			
FM (30°-60°)	3037.3	33.8			
FH (60°-80°)	684.8	7.6			G1/1800
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	751.2	8.4	B2/1000		
BM (30°-60°)	3037.3	33.8	B3/5000		
BH (60°-80°)	684.8	7.6	B2/1000		G1/1800
BVH (80°-90°)	18.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7	1718.7
2.5°	1708.4	1708.4	1712.1	1715.8	1717.2	1723.9	1723.1	1720.9	1719.5	1715.0	1720.9
5°	1712.1	1712.1	1715.0	1717.2	1716.5	1721.7	1719.5	1715.8	1713.6	1709.2	1715.8
7.5°	1711.4	1711.4	1713.6	1715.8	1714.3	1718.7	1715.0	1709.9	1706.2	1701.8	1707.7
10°	1701.8	1703.3	1705.5	1710.6	1712.8	1719.5	1714.3	1706.2	1700.3	1695.2	1701.1
12.5°	1700.3	1701.8	1704.7	1711.4	1715.0	1724.6	1718.0	1704.7	1695.9	1689.3	1695.2
15°	1707.0	1708.4	1712.8	1720.9	1726.8	1737.1	1727.5	1709.2	1696.7	1687.8	1693.0
17.5°	1715.0	1717.2	1723.9	1735.6	1745.2	1756.2	1744.5	1722.4	1704.7	1693.0	1697.4
20°	1723.9	1726.8	1737.1	1754.8	1772.4	1786.4	1771.7	1742.3	1720.9	1705.5	1709.9
22.5°	1739.3	1743.0	1756.2	1781.2	1807.7	1828.3	1809.9	1770.2	1742.3	1722.4	1726.1
25°	1770.9	1775.3	1792.3	1822.4	1859.9	1884.9	1859.2	1814.3	1775.3	1751.1	1754.8
27.5°	1826.8	1829.0	1851.1	1890.8	1937.1	1965.8	1934.9	1882.0	1838.6	1810.6	1813.6
30°	1900.4	1907.0	1929.1	1981.3	2036.4	2074.7	2034.2	1971.7	1921.7	1887.9	1890.8
32.5°	1990.1	1994.5	2027.6	2082.0	2161.5	2205.6	2150.4	2076.1	2015.8	1974.7	1977.6
35°	2107.8	2111.4	2143.1	2212.2	2308.5	2349.7	2286.5	2201.2	2131.3	2092.3	2103.4
37.5°	2248.2	2254.9	2277.7	2346.0	2453.4	2493.9	2421.1	2341.6	2268.8	2232.8	2240.9
40°	2399.0	2398.3	2416.6	2477.0	2574.8	2599.8	2534.3	2471.1	2408.6	2385.0	2398.3
42.5°	2528.4	2524.8	2538.0	2588.0	2655.7	2657.9	2614.5	2579.2	2535.1	2518.9	2531.4
45°	2618.9	2620.4	2640.2	2674.8	2709.4	2691.0	2677.7	2671.8	2637.3	2615.2	2617.4
47.5°	2690.2	2696.1	2727.7	2751.3	2755.7	2724.8	2743.2	2752.0	2723.3	2689.5	2679.9
50°	2753.5	2763.0	2804.2	2829.2	2819.7	2780.7	2816.7	2830.0	2766.7	2702.0	2682.9
52.5°	2868.2	2879.2	2929.2	2961.6	2950.6	2911.6	2945.4	2898.4	2791.7	2712.3	2688.0
55°	3051.3	3056.5	3117.5	3170.5	3165.3	3117.5	3090.3	2985.9	2856.4	2774.1	2751.3
57.5°	3012.4	3021.2	3127.1	3268.3	3347.7	3304.3	3144.7	2966.8	2791.0	2691.7	2660.8
60°	2370.3	2391.6	2523.3	2771.9	3063.1	3062.4	2766.0	2489.5	2277.7	2146.0	2132.8
62.5°	1384.1	1398.8	1518.7	1770.2	2031.3	2047.5	1839.3	1649.6	1464.3	1375.3	1332.6
65°	655.3	654.5	702.3	815.6	992.1	1006.1	943.6	839.9	730.3	700.1	692.0
67.5°	483.9	483.9	480.2	488.3	522.2	529.5	522.2	505.2	494.9	501.6	497.2
70°	419.9	420.7	416.3	414.1	414.1	411.8	414.8	421.4	425.8	434.6	430.2
72.5°	340.5	341.2	341.2	342.0	342.7	339.8	344.2	347.9	348.6	351.5	348.6
75°	242.0	243.4	247.8	251.5	254.5	254.5	255.9	256.7	253.7	257.4	251.5
77.5°	133.1	134.6	142.7	149.3	155.9	156.6	158.9	160.3	158.9	161.8	157.4
80°	73.5	75.0	78.7	81.6	86.8	91.2	94.1	95.6	95.6	97.8	95.6
82.5°	41.9	43.4	45.6	47.1	51.5	55.2	58.1	60.3	60.3	61.0	59.6
85°	19.9	19.9	21.3	22.8	25.0	26.5	30.2	32.4	32.4	33.8	32.4
87.5°	2.9	3.7	4.4	4.4	5.9	7.4	8.8	9.6	11.0	11.8	11.8
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)