

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: P634549

Luminaire Tested: GWS-SA3C-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634549
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-SA3C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8996.8 lumens
Efficiency: N/A
Efficacy: 96.7 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

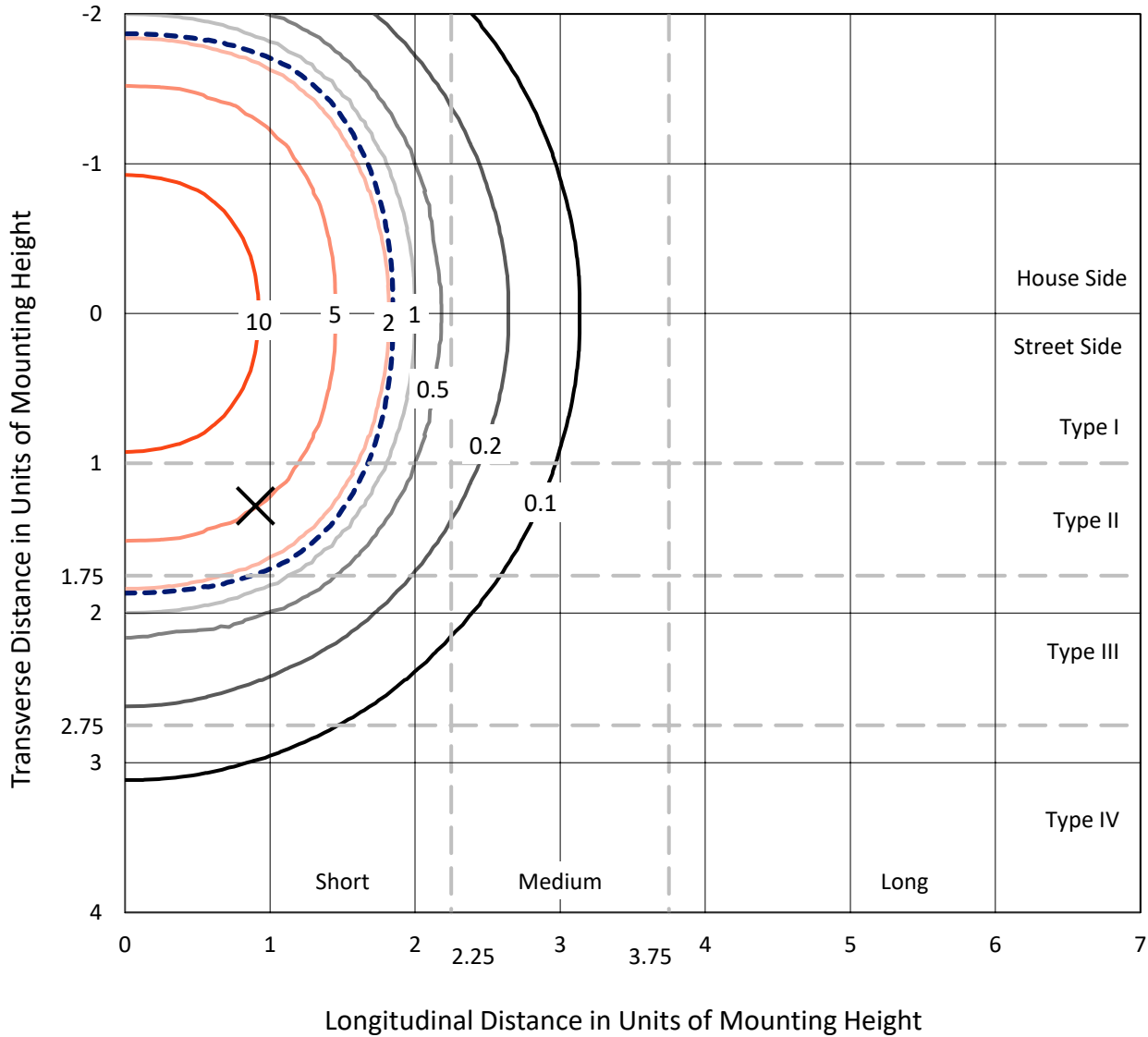
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

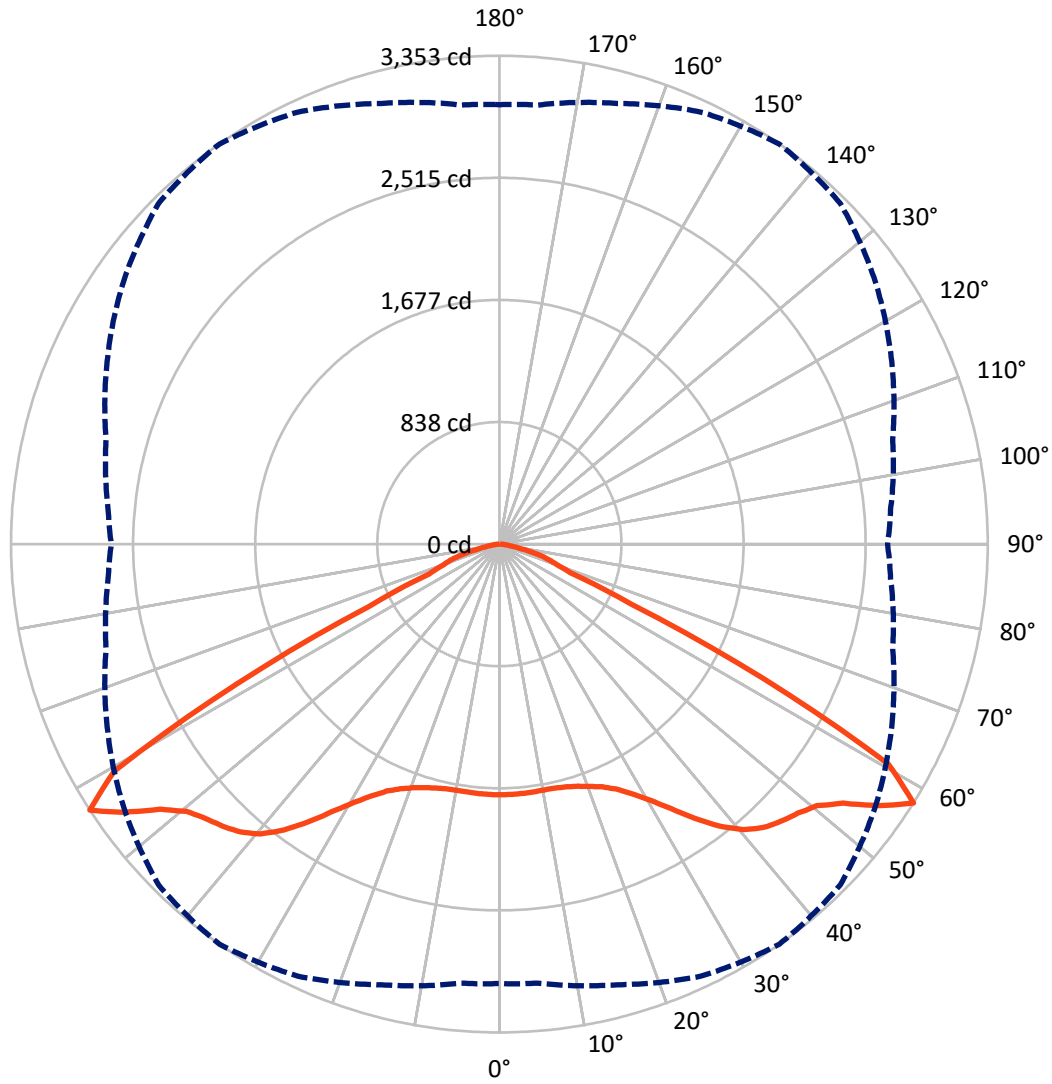
✕ Max cd
 - - - 1/2 Max cd



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	4498.4	0.0	4498.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4498.4	0.0	4498.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8996.8	0.0	8996.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	1.8
10°-20°	488.6	5.4
20°-30°	852.5	9.5
30°-40°	1397.9	15.5
40°-50°	2058.8	22.9
50°-60°	2627.4	29.2
60°-70°	1107.3	12.3
70°-80°	264.5	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°	8996.8	100.0
0°-180°	8996.8	100.0

Coefficient of Utilization



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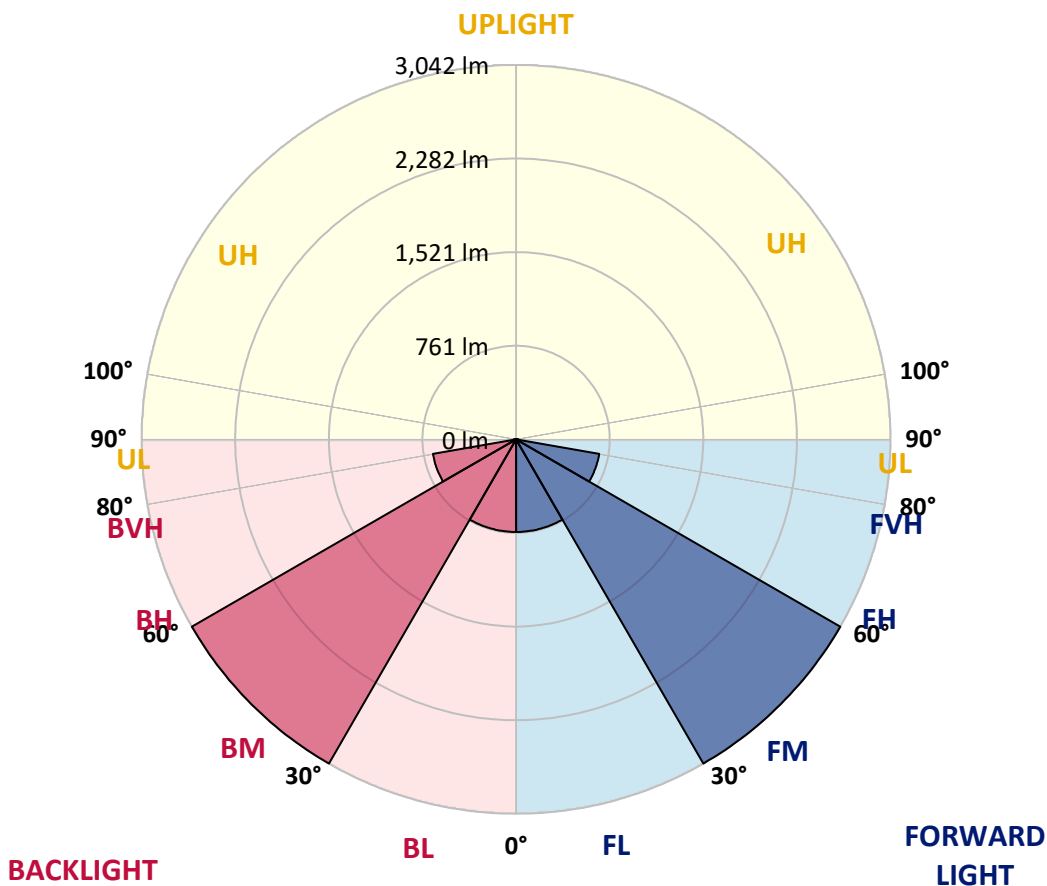
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	752.4	8.4			
FM (30°-60°)	3042.1	33.8			
FH (60°-80°)	685.9	7.6			G1/1800
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	752.4	8.4	B2/1000		
BM (30°-60°)	3042.1	33.8	B3/5000		
BH (60°-80°)	685.9	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°	1721.4	1721.4	1721.4	1721.4	1721.4	1721.4	1721.4	1721.4	1721.4	1721.4	1721.4
2.5°	1711.1	1711.1	1714.8	1718.5	1720.0	1726.6	1725.9	1723.6	1722.2	1717.8	1723.6
5°	1714.8	1714.8	1717.8	1720.0	1719.2	1724.4	1722.2	1718.5	1716.3	1711.9	1718.5
7.5°	1714.1	1714.1	1716.3	1718.5	1717.0	1721.4	1717.8	1712.6	1708.9	1704.5	1710.4
10°	1704.5	1706.0	1708.2	1713.3	1715.5	1722.2	1717.0	1708.9	1703.0	1697.9	1703.8
12.5°	1703.0	1704.5	1707.4	1714.1	1717.8	1727.3	1720.7	1707.4	1698.6	1692.0	1697.9
15°	1709.6	1711.1	1715.5	1723.6	1729.5	1739.8	1730.3	1711.9	1699.3	1690.5	1695.7
17.5°	1717.8	1720.0	1726.6	1738.4	1748.0	1759.0	1747.2	1725.1	1707.4	1695.7	1700.1
20°	1726.6	1729.5	1739.8	1757.5	1775.2	1789.2	1774.5	1745.0	1723.6	1708.2	1712.6
22.5°	1742.1	1745.7	1759.0	1784.0	1810.6	1831.2	1812.8	1773.0	1745.0	1725.1	1728.8
25°	1773.7	1778.2	1795.1	1825.3	1862.9	1887.9	1862.1	1817.2	1778.2	1753.8	1757.5
27.5°	1829.7	1831.9	1854.0	1893.8	1940.2	1968.9	1938.0	1885.0	1841.5	1813.5	1816.5
30°	1903.4	1910.0	1932.1	1984.4	2039.6	2077.9	2037.4	1974.8	1924.7	1890.9	1893.8
32.5°	1993.2	1997.7	2030.8	2085.3	2164.9	2209.1	2153.8	2079.4	2019.0	1977.8	1980.7
35°	2111.1	2114.8	2146.5	2215.7	2312.2	2353.4	2290.1	2204.6	2134.7	2095.6	2106.7
37.5°	2251.8	2258.4	2281.3	2349.8	2457.3	2497.8	2424.9	2345.3	2272.4	2236.3	2244.4
40°	2402.8	2402.1	2420.5	2480.9	2578.8	2603.9	2538.3	2475.0	2412.4	2388.8	2402.1
42.5°	2532.4	2528.7	2542.0	2592.1	2659.9	2662.1	2618.6	2583.3	2539.1	2522.9	2535.4
45°	2623.0	2624.5	2644.4	2679.0	2713.6	2695.2	2682.0	2676.1	2641.4	2619.4	2621.6
47.5°	2694.5	2700.4	2732.1	2755.6	2760.0	2729.1	2747.5	2756.4	2727.6	2693.7	2684.2
50°	2757.8	2767.4	2808.7	2833.7	2824.1	2785.1	2821.2	2834.4	2771.1	2706.3	2687.1
52.5°	2872.7	2883.8	2933.9	2966.3	2955.2	2916.2	2950.1	2902.9	2796.1	2716.6	2692.3
55°	3056.2	3061.3	3122.4	3175.5	3170.3	3122.4	3095.2	2990.6	2861.0	2778.5	2755.6
57.5°	3017.1	3026.0	3132.0	3273.5	3353.0	3309.5	3149.7	2971.4	2795.4	2696.0	2665.0
60°	2374.1	2395.4	2527.3	2776.2	3067.9	3067.2	2770.4	2493.4	2281.3	2149.4	2136.1
62.5°	1386.3	1401.0	1521.1	1773.0	2034.5	2050.7	1842.2	1652.2	1466.6	1377.4	1334.7
65°	656.3	655.6	703.5	816.9	993.7	1007.7	945.1	841.2	731.4	701.2	693.1
67.5°	484.7	484.7	481.0	489.1	523.0	530.4	523.0	506.0	495.7	502.4	497.9
70°	420.6	421.3	416.9	414.7	414.7	412.5	415.4	422.1	426.5	435.3	430.9
72.5°	341.0	341.8	341.8	342.5	343.3	340.3	344.7	348.4	349.1	352.1	349.1
75°	242.3	243.8	248.2	251.9	254.9	254.9	256.3	257.1	254.1	257.8	251.9
77.5°	133.3	134.8	142.9	149.5	156.2	156.9	159.1	160.6	159.1	162.1	157.6
80°	73.7	75.1	78.8	81.8	86.9	91.3	94.3	95.8	95.8	98.0	95.8
82.5°	42.0	43.5	45.7	47.1	51.6	55.2	58.2	60.4	60.4	61.1	59.7
85°	19.9	19.9	21.4	22.8	25.0	26.5	30.2	32.4	32.4	33.9	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)