

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: P632795

Luminaire Tested: GWS-SA2D-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9861 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

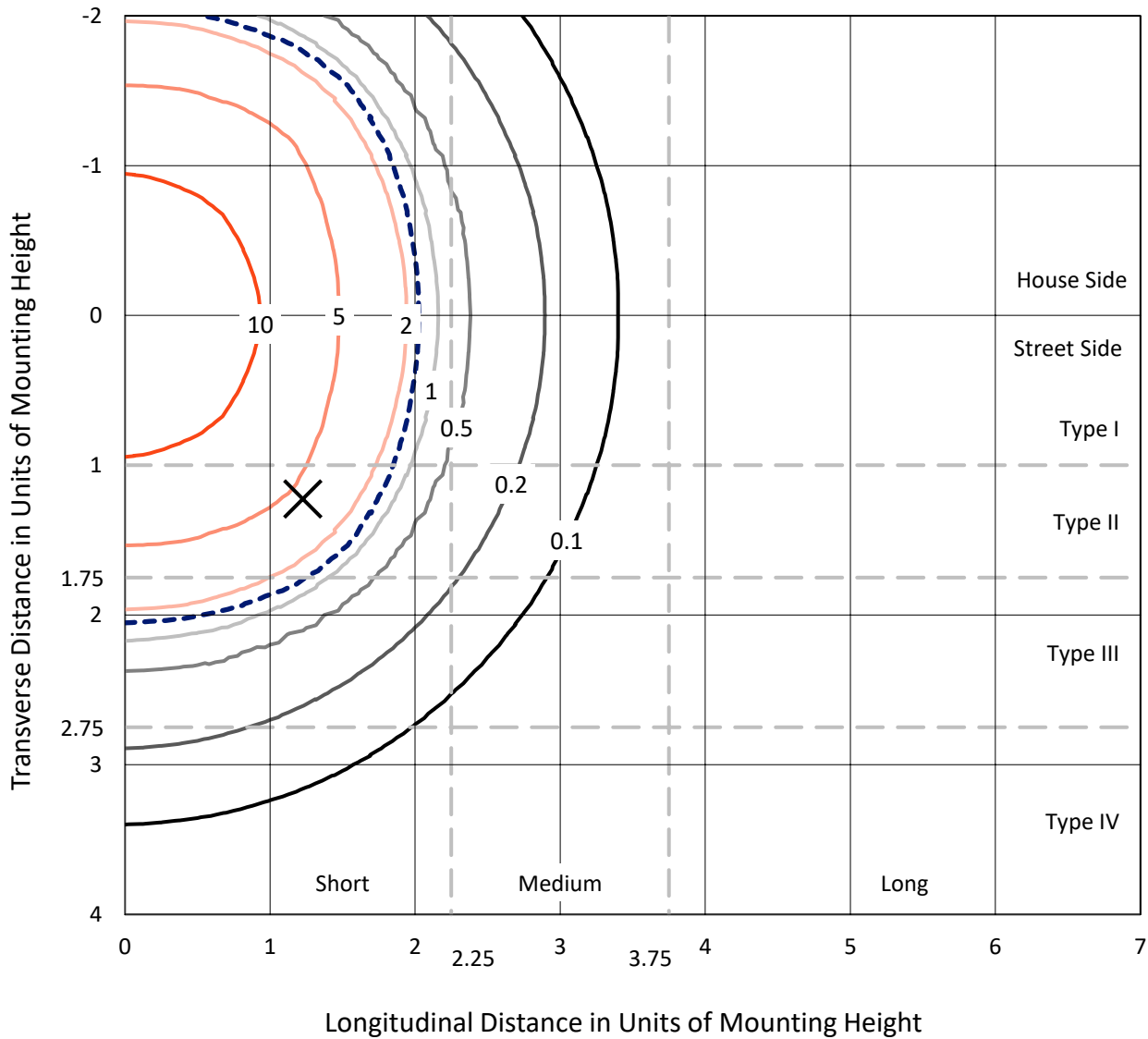
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

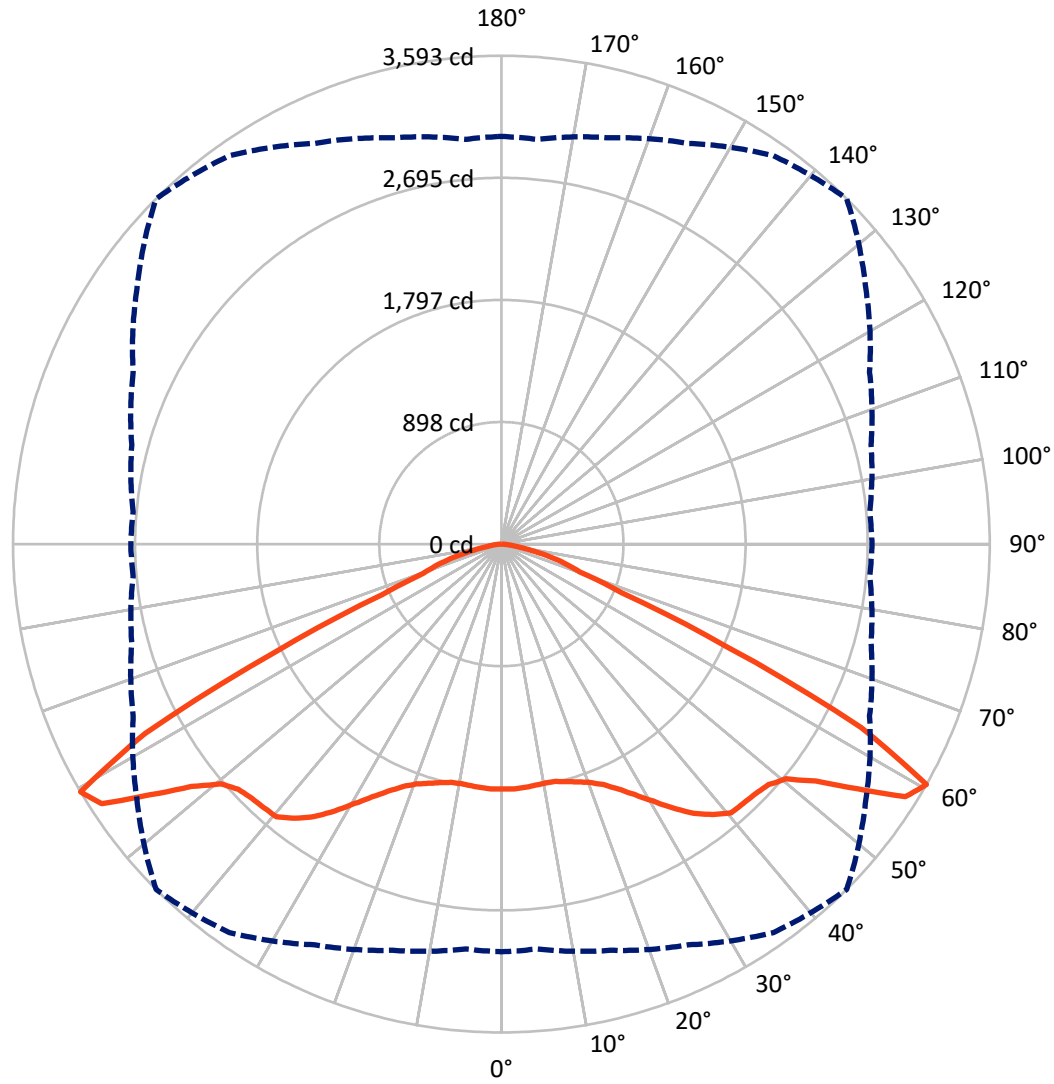
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4930.5	0.0	4930.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4930.5	0.0	4930.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9861.0	0.0	9861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.9	1.7
10°-20°	514.0	5.2
20°-30°	909.4	9.2
30°-40°	1464.2	14.8
40°-50°	2012.5	20.4
50°-60°	2681.9	27.2
60°-70°	1671.5	17.0
70°-80°	384.4	3.9
80°-90°	52.1	0.5
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°	9861.0	100.0
0°-180°	9861.0	100.0

Coefficient of Utilization



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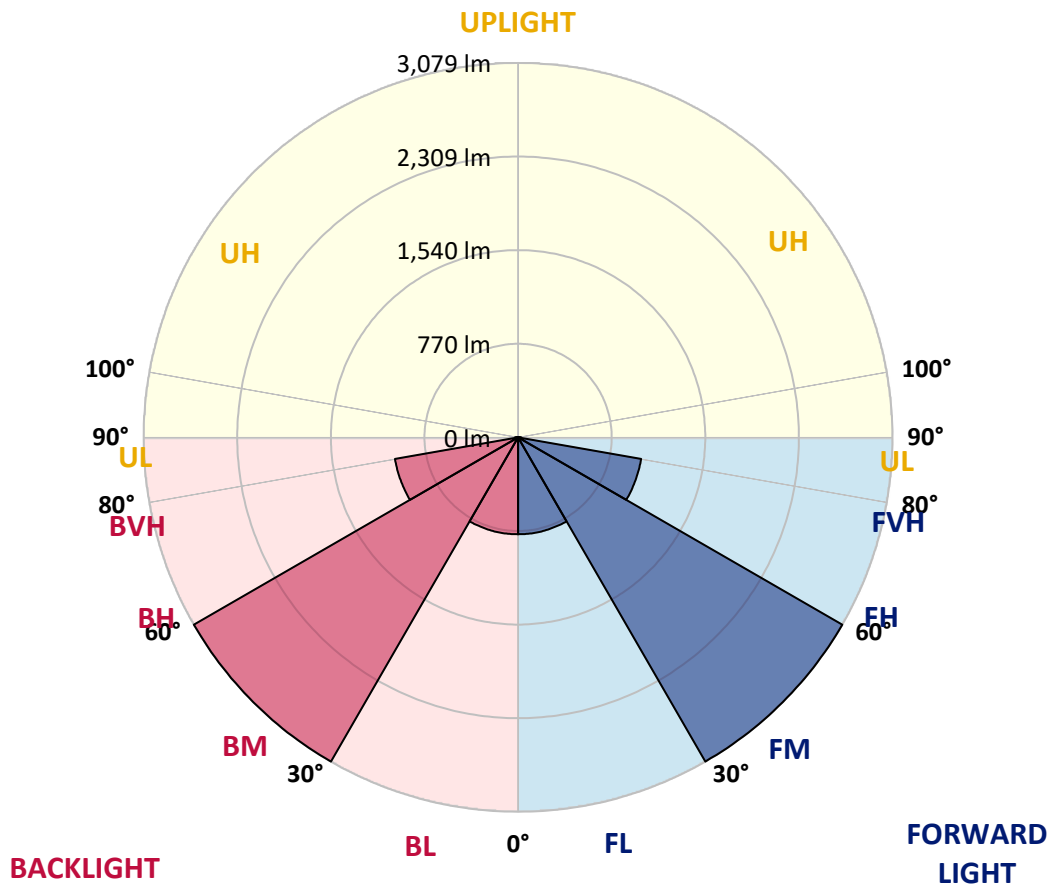
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	797.2	8.1			
FM (30°-60°)	3079.3	31.2			
FH (60°-80°)	1027.9	10.4			G1/1800
FVH (80°-90°)	26.1	0.3			G1/100
BL (0°-30°)	797.2	8.1	B2/1000		
BM (30°-60°)	3079.3	31.2	B3/5000		
BH (60°-80°)	1027.9	10.4	B3/2500		G1/1800
BVH (80°-90°)	26.1	0.3			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°	1802.1	1802.1	1802.1	1802.1	1802.1	1802.1	1802.1	1802.1	1802.1	1802.1	1802.1
2.5°	1789.5	1791.2	1794.6	1797.1	1800.4	1803.8	1805.4	1802.1	1800.4	1793.7	1801.2
5°	1791.2	1792.9	1795.4	1795.4	1796.2	1798.7	1798.7	1794.6	1790.4	1782.8	1791.2
7.5°	1788.7	1790.4	1791.2	1790.4	1791.2	1792.0	1790.4	1785.3	1781.2	1774.5	1781.2
10°	1784.5	1786.2	1787.9	1786.2	1784.5	1787.0	1787.0	1783.7	1781.2	1774.5	1782.0
12.5°	1793.7	1796.2	1797.1	1792.9	1791.2	1792.0	1792.0	1788.7	1788.7	1782.8	1791.2
15°	1815.5	1817.1	1814.6	1809.6	1810.5	1813.0	1807.1	1798.7	1797.1	1794.6	1801.2
17.5°	1832.2	1833.9	1831.4	1828.0	1833.9	1839.7	1828.9	1813.0	1807.9	1806.3	1813.8
20°	1850.6	1853.1	1849.8	1854.0	1865.7	1872.4	1859.0	1837.2	1827.2	1824.7	1833.9
22.5°	1880.8	1884.1	1884.1	1893.3	1910.9	1921.8	1905.0	1875.7	1860.7	1856.5	1865.7
25°	1928.5	1931.0	1933.5	1951.9	1980.4	1995.4	1968.6	1928.5	1907.5	1900.9	1905.9
27.5°	1994.6	1998.8	2003.0	2029.8	2064.9	2086.7	2048.2	1997.9	1972.0	1958.6	1968.6
30°	2073.3	2079.1	2089.2	2119.3	2168.7	2193.0	2143.6	2082.5	2053.2	2039.0	2052.3
32.5°	2180.4	2181.2	2188.8	2222.3	2287.5	2315.2	2253.2	2185.4	2155.3	2138.6	2146.1
35°	2307.6	2308.5	2296.8	2331.1	2401.4	2432.4	2359.5	2290.9	2265.8	2260.8	2280.0
37.5°	2438.2	2430.7	2419.0	2434.0	2505.2	2525.3	2448.3	2389.7	2378.8	2388.0	2416.4
40°	2531.1	2518.6	2495.1	2506.0	2578.0	2601.4	2519.4	2464.2	2460.8	2483.4	2517.7
42.5°	2591.4	2578.0	2550.4	2550.4	2599.8	2609.8	2546.2	2516.9	2524.4	2550.4	2583.0
45°	2620.7	2613.1	2597.2	2588.9	2616.5	2620.7	2572.1	2560.4	2574.6	2587.2	2612.3
47.5°	2643.3	2643.3	2638.3	2629.9	2642.4	2645.0	2609.0	2605.6	2624.0	2624.0	2640.8
50°	2683.5	2687.6	2694.3	2692.7	2706.1	2714.4	2687.6	2682.6	2690.2	2665.9	2674.2
52.5°	2788.9	2799.8	2819.1	2834.1	2868.4	2894.4	2846.7	2806.5	2767.2	2713.6	2715.3
55°	2978.1	2983.1	3020.8	3065.1	3122.9	3175.6	3077.7	2953.0	2867.6	2804.8	2805.7
57.5°	3138.0	3145.5	3200.7	3293.6	3423.4	3505.4	3288.6	3080.2	2959.7	2882.7	2885.2
60°	2999.8	2989.8	3094.4	3253.5	3488.7	3593.3	3273.5	2989.0	2815.7	2720.3	2727.0
62.5°	2321.0	2301.8	2418.1	2584.7	2866.8	2971.4	2676.8	2403.9	2239.8	2165.3	2154.5
65°	1412.9	1395.3	1479.0	1581.1	1772.0	1838.1	1703.3	1558.5	1415.4	1370.2	1357.6
67.5°	769.2	766.7	789.3	839.5	923.2	954.2	928.2	859.6	822.8	791.0	791.0
70°	610.2	605.2	601.0	601.8	609.3	613.5	614.4	611.0	615.2	616.0	612.7
72.5°	505.6	503.9	495.5	496.3	493.0	491.3	497.2	500.5	507.2	508.1	508.1
75°	366.6	362.4	366.6	367.4	364.1	364.1	368.3	367.4	370.8	372.5	363.3
77.5°	208.4	208.4	214.3	221.0	226.0	226.0	230.2	230.2	234.4	233.5	231.9
80°	114.7	114.7	118.0	122.2	127.2	132.2	136.4	137.3	139.8	138.9	136.4
82.5°	65.3	66.1	67.8	70.3	75.3	79.5	83.7	84.5	87.0	87.0	84.5
85°	31.0	30.1	31.0	32.6	35.2	38.5	42.7	45.2	46.9	46.9	45.2
87.5°	5.9	6.7	5.9	6.7	7.5	10.0	11.7	13.4	15.9	16.7	15.1
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)