

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: P632905

Luminaire Tested: GWS-SA2D-760-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632905
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9948.7 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

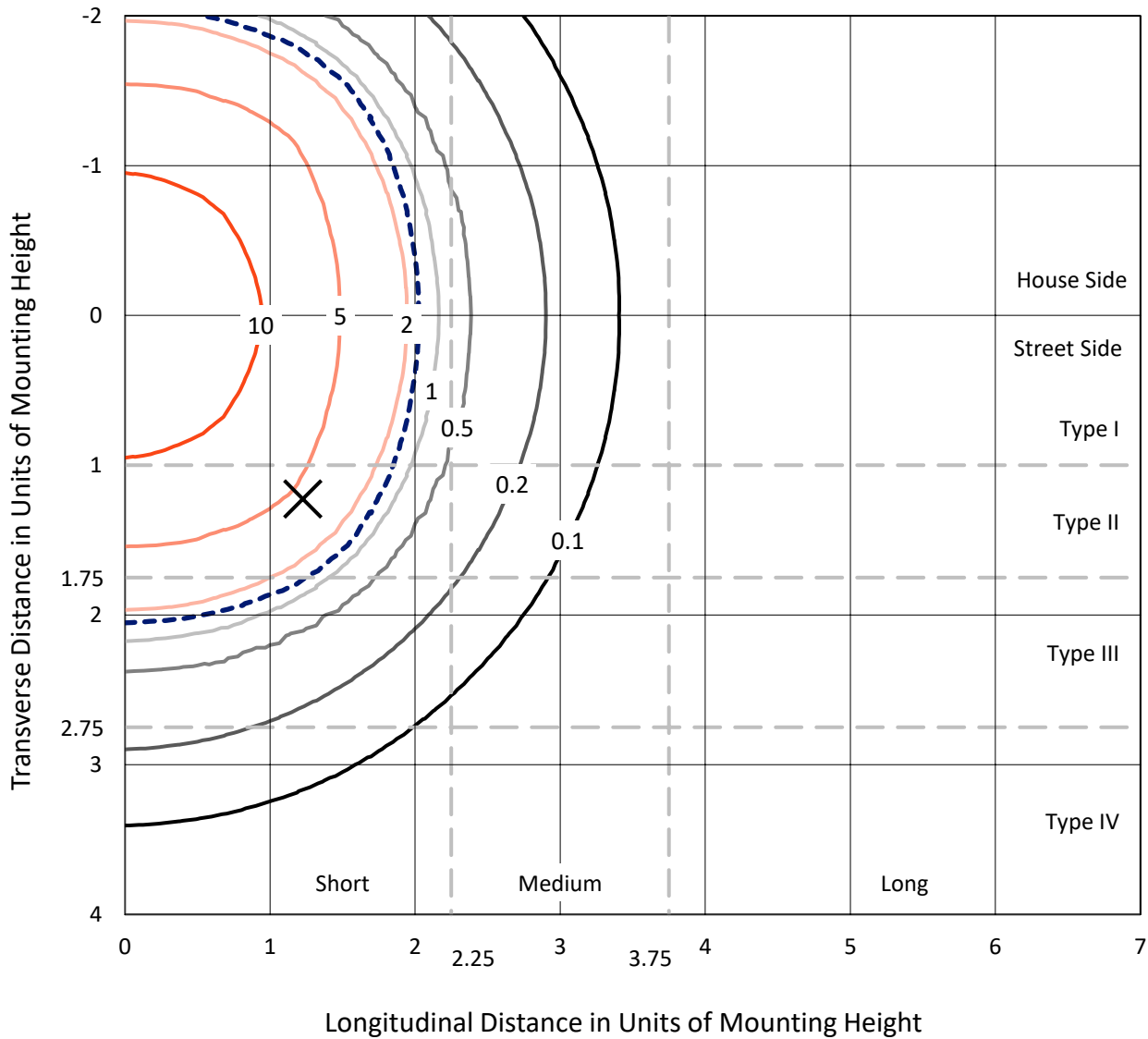
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

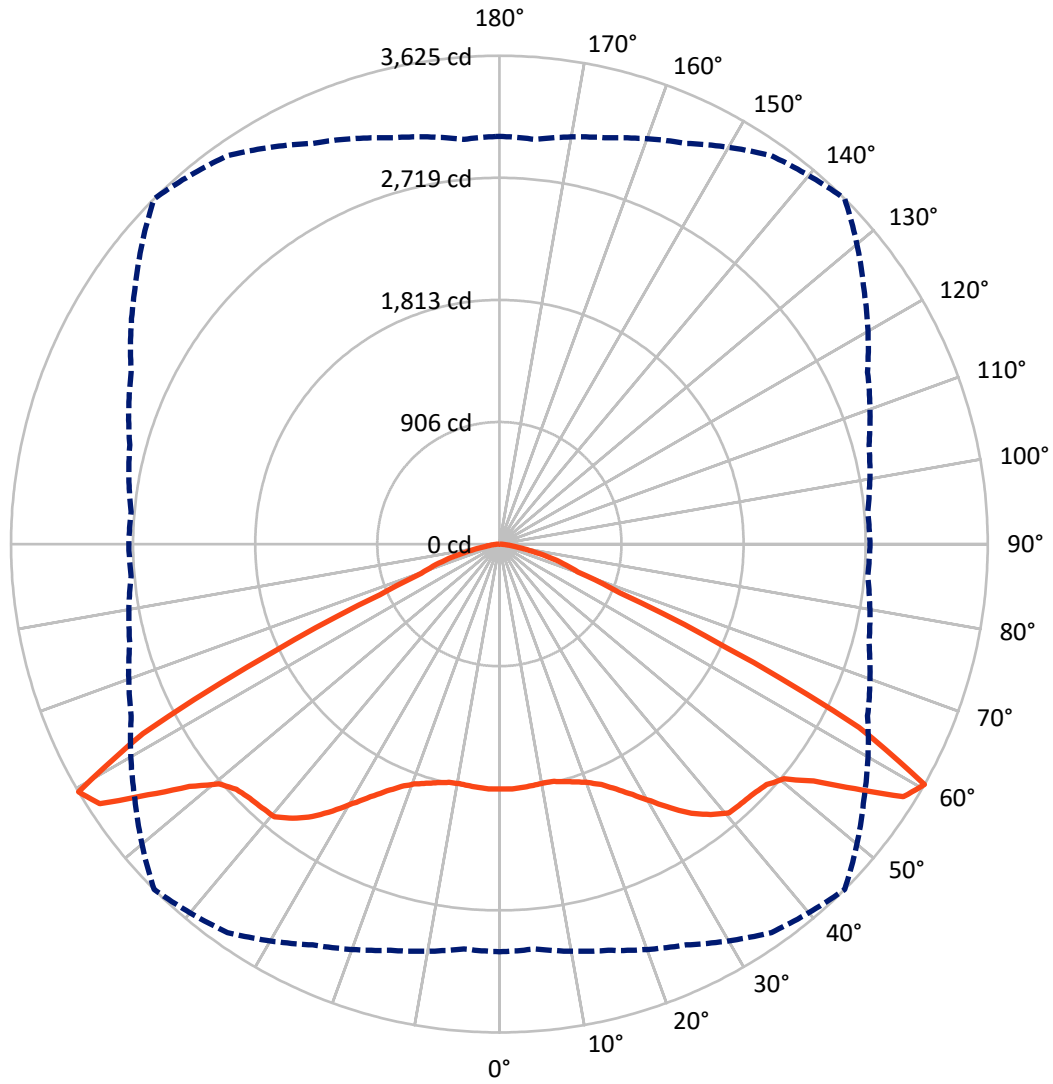
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 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	4974.4	0.0	4974.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4974.4	0.0	4974.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9948.7	0.0	9948.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	1.7
10°-20°	518.6	5.2
20°-30°	917.5	9.2
30°-40°	1477.2	14.8
40°-50°	2030.4	20.4
50°-60°	2705.7	27.2
60°-70°	1686.4	17.0
70°-80°	387.8	3.9
80°-90°	52.6	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°	9948.7	100.0
0°-180°	9948.7	100.0

Coefficient of Utilization



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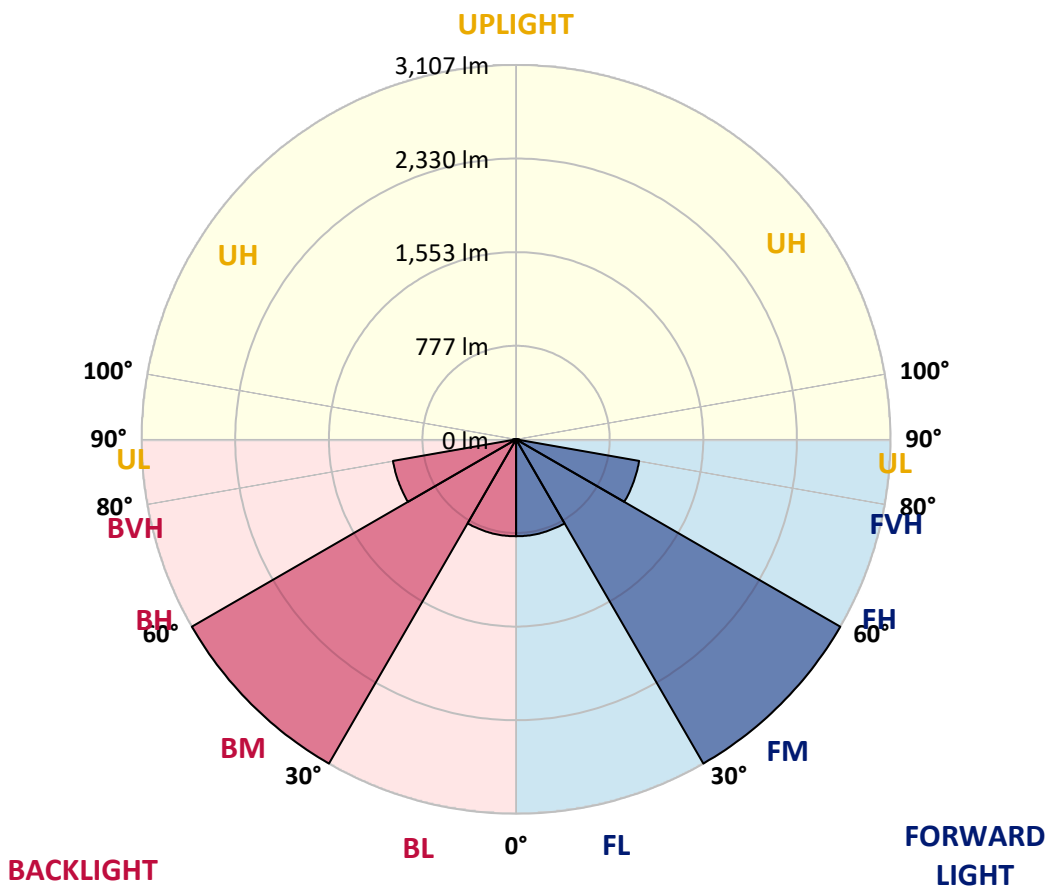
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.3	8.1			
FM (30°-60°)	3106.7	31.2			
FH (60°-80°)	1037.1	10.4			G1/1800
FVH (80°-90°)	26.3	0.3			G1/100
BL (0°-30°)	804.3	8.1	B2/1000		
BM (30°-60°)	3106.7	31.2	B3/5000		
BH (60°-80°)	1037.1	10.4	B3/2500		G1/1800
BVH (80°-90°)	26.3	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°	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1	1818.1
2.5°	1805.4	1807.1	1810.5	1813.0	1816.4	1819.8	1821.5	1818.1	1816.4	1809.7	1817.3
5°	1807.1	1808.8	1811.4	1811.4	1812.2	1814.7	1814.7	1810.5	1806.3	1798.7	1807.1
7.5°	1804.6	1806.3	1807.1	1806.3	1807.1	1808.0	1806.3	1801.2	1797.0	1790.2	1797.0
10°	1800.4	1802.1	1803.8	1802.1	1800.4	1802.9	1802.9	1799.5	1797.0	1790.2	1797.8
12.5°	1809.7	1812.2	1813.0	1808.8	1807.1	1808.0	1808.0	1804.6	1804.6	1798.7	1807.1
15°	1831.6	1833.3	1830.8	1825.7	1826.6	1829.1	1823.2	1814.7	1813.0	1810.5	1817.3
17.5°	1848.5	1850.2	1847.7	1844.3	1850.2	1856.1	1845.1	1829.1	1824.0	1822.3	1829.9
20°	1867.1	1869.6	1866.2	1870.5	1882.3	1889.0	1875.5	1853.6	1843.4	1840.9	1850.2
22.5°	1897.5	1900.9	1900.9	1910.2	1927.9	1938.9	1922.0	1892.4	1877.2	1873.0	1882.3
25°	1945.6	1948.2	1950.7	1969.3	1998.0	2013.2	1986.2	1945.6	1924.5	1917.8	1922.8
27.5°	2012.3	2016.6	2020.8	2047.8	2083.3	2105.2	2066.4	2015.7	1989.5	1976.0	1986.2
30°	2091.7	2097.6	2107.8	2138.2	2188.0	2212.5	2162.6	2101.0	2071.4	2057.1	2070.6
32.5°	2199.8	2200.6	2208.2	2242.0	2307.9	2335.8	2273.3	2204.9	2174.5	2157.6	2165.2
35°	2328.2	2329.0	2317.2	2351.8	2422.7	2454.0	2380.5	2311.3	2285.9	2280.9	2300.3
37.5°	2459.9	2452.3	2440.5	2455.7	2527.5	2547.7	2470.0	2410.9	2399.9	2409.2	2437.9
40°	2553.6	2541.0	2517.3	2528.3	2600.9	2624.6	2541.8	2486.1	2482.7	2505.5	2540.1
42.5°	2614.4	2600.9	2573.1	2573.1	2622.9	2633.0	2568.8	2539.3	2546.9	2573.1	2606.0
45°	2644.0	2636.4	2620.3	2611.9	2639.8	2644.0	2595.0	2583.2	2597.5	2610.2	2635.5
47.5°	2666.8	2666.8	2661.7	2653.3	2665.9	2668.5	2632.2	2628.8	2647.4	2647.4	2664.3
50°	2707.3	2711.5	2718.3	2716.6	2730.1	2738.6	2711.5	2706.5	2714.1	2689.6	2698.0
52.5°	2813.7	2824.7	2844.1	2859.3	2893.9	2920.1	2872.0	2831.5	2791.8	2737.7	2739.4
55°	3004.6	3009.6	3047.6	3092.4	3150.7	3203.9	3105.1	2979.2	2893.1	2829.8	2830.6
57.5°	3165.9	3173.5	3229.2	3322.9	3453.8	3536.6	3317.9	3107.6	2986.0	2908.3	2910.8
60°	3026.5	3016.4	3121.9	3282.4	3519.7	3625.2	3302.7	3015.5	2840.7	2744.5	2751.2
62.5°	2341.7	2322.3	2439.6	2607.7	2892.3	2997.8	2700.6	2425.3	2259.8	2184.6	2173.6
65°	1425.4	1407.7	1492.2	1595.2	1787.7	1854.4	1718.5	1572.4	1428.0	1382.4	1369.7
67.5°	776.1	773.5	796.3	847.0	931.4	962.7	936.5	867.3	830.1	798.0	798.0
70°	615.6	610.5	606.3	607.2	614.8	619.0	619.8	616.5	620.7	621.5	618.1
72.5°	510.1	508.4	499.9	500.8	497.4	495.7	501.6	505.0	511.7	512.6	512.6
75°	369.9	365.6	369.9	370.7	367.3	367.3	371.6	370.7	374.1	375.8	366.5
77.5°	210.3	210.3	216.2	222.9	228.0	228.0	232.2	232.2	236.4	235.6	233.9
80°	115.7	115.7	119.1	123.3	128.4	133.4	137.6	138.5	141.0	140.2	137.6
82.5°	65.9	66.7	68.4	70.9	76.0	80.2	84.4	85.3	87.8	87.8	85.3
85°	31.2	30.4	31.2	32.9	35.5	38.8	43.1	45.6	47.3	47.3	45.6
87.5°	5.9	6.8	5.9	6.8	7.6	10.1	11.8	13.5	16.0	16.9	15.2
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)