

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: P632682

Luminaire Tested: GWS-SA2D-730-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9638.9 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

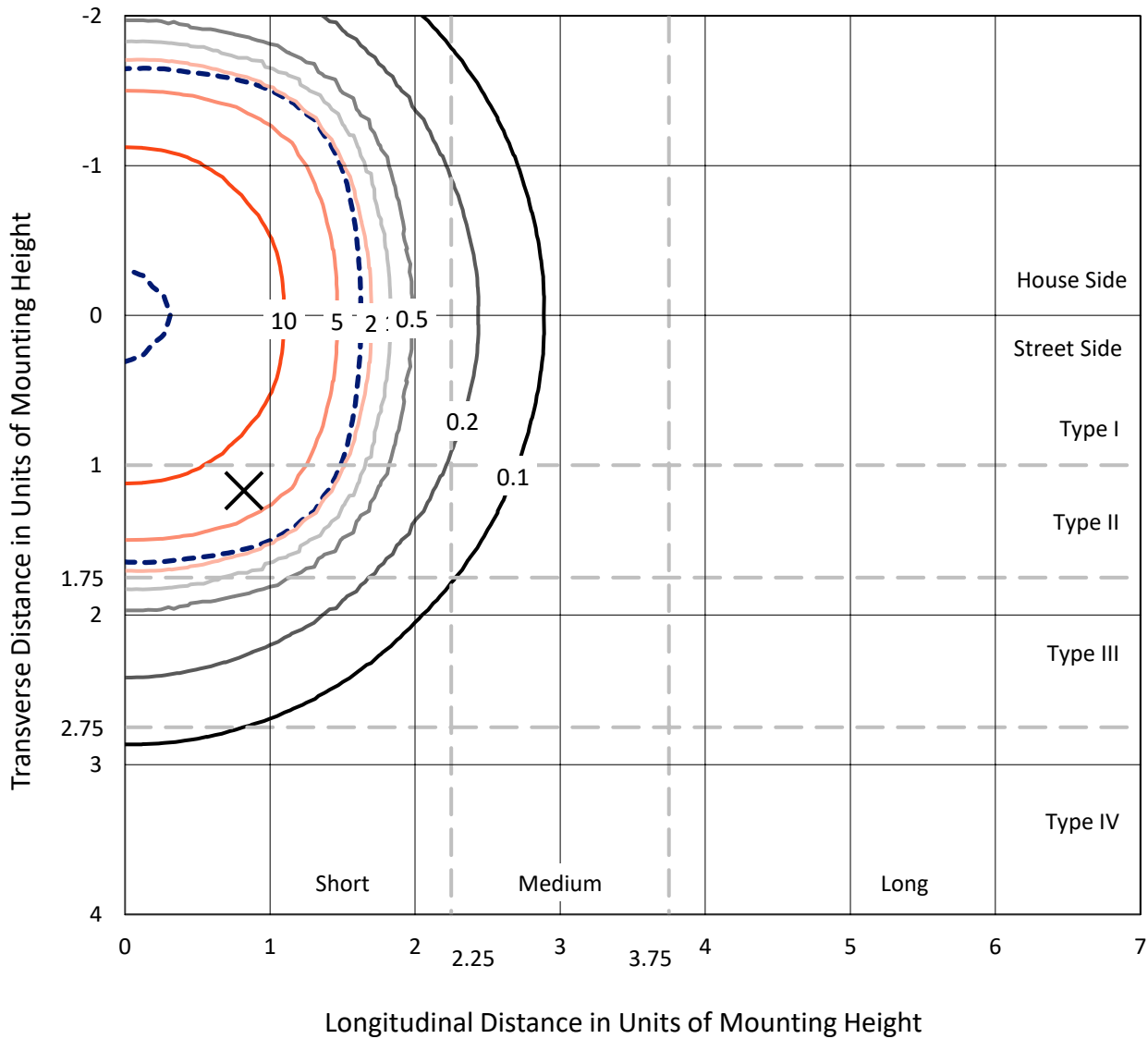
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

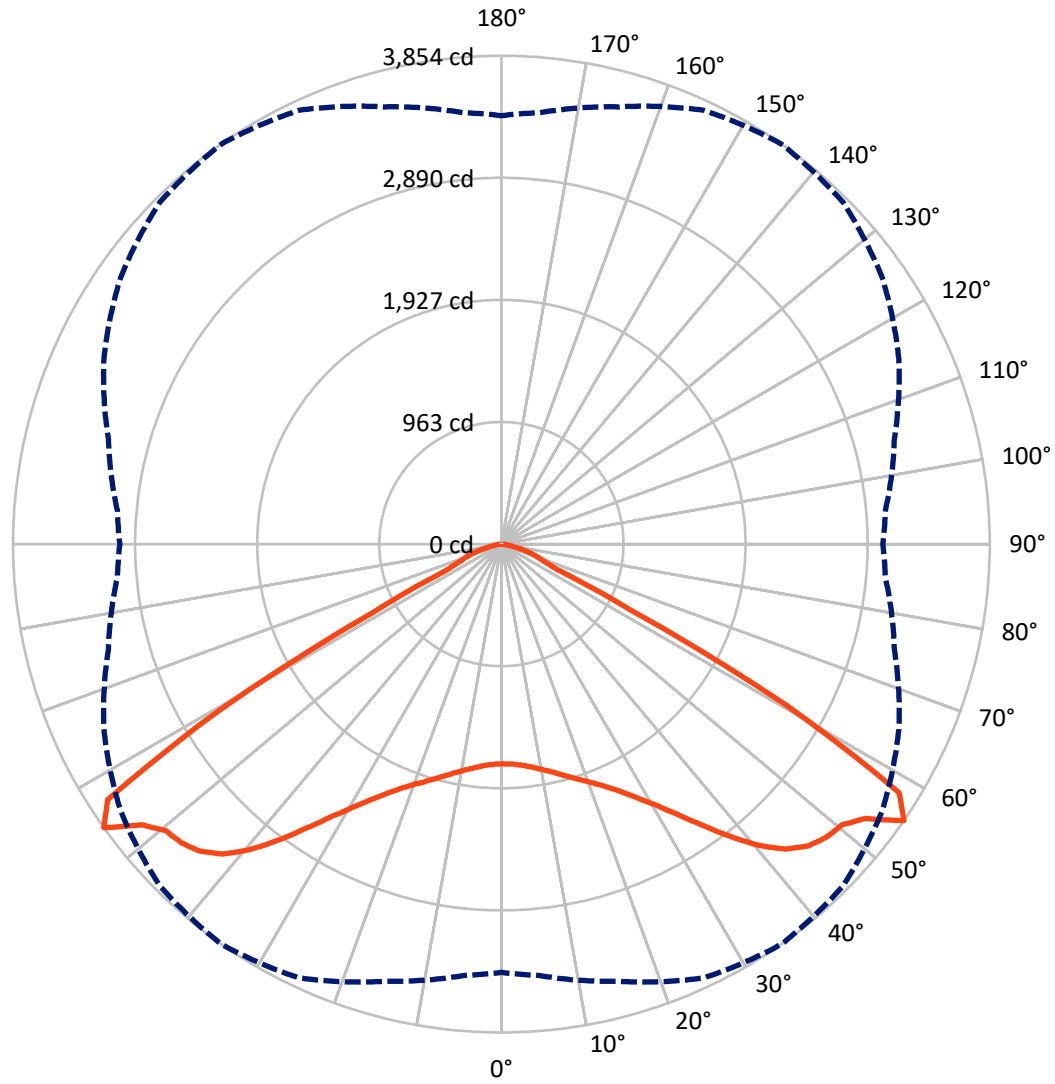
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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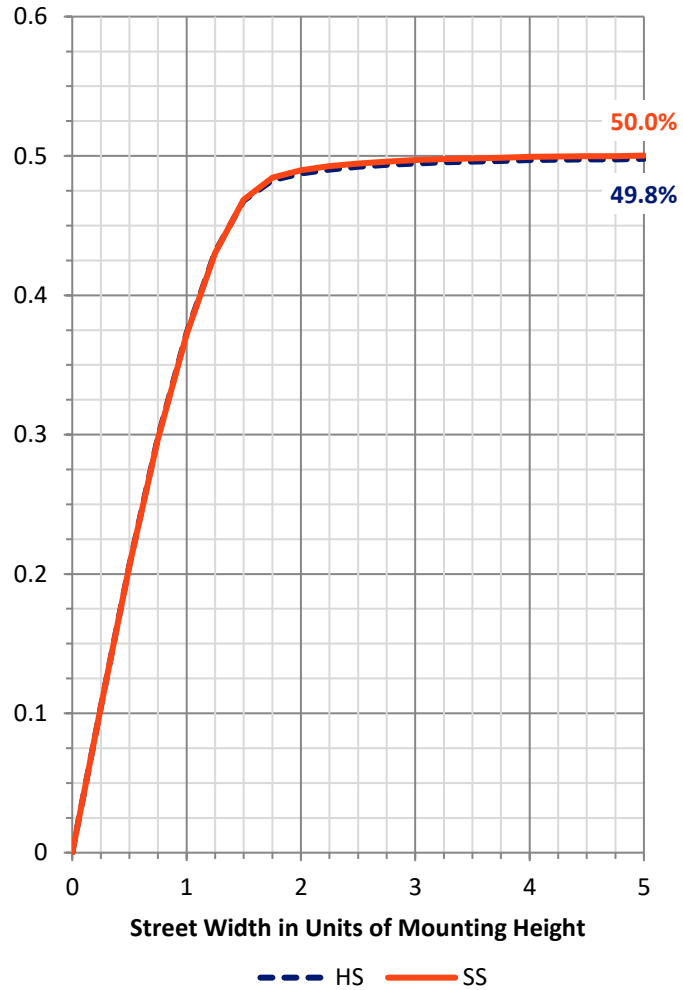
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4819.4	0.0	4819.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4819.4	0.0	4819.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9638.9	0.0	9638.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	1.8
10°-20°	538.5	5.6
20°-30°	996.6	10.3
30°-40°	1667.2	17.3
40°-50°	2540.5	26.4
50°-60°	2845.9	29.5
60°-70°	673.4	7.0
70°-80°	181.5	1.9
80°-90°	26.1	0.3
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°	9638.9	100.0
0°-180°	9638.9	100.0

Coefficient of Utilization



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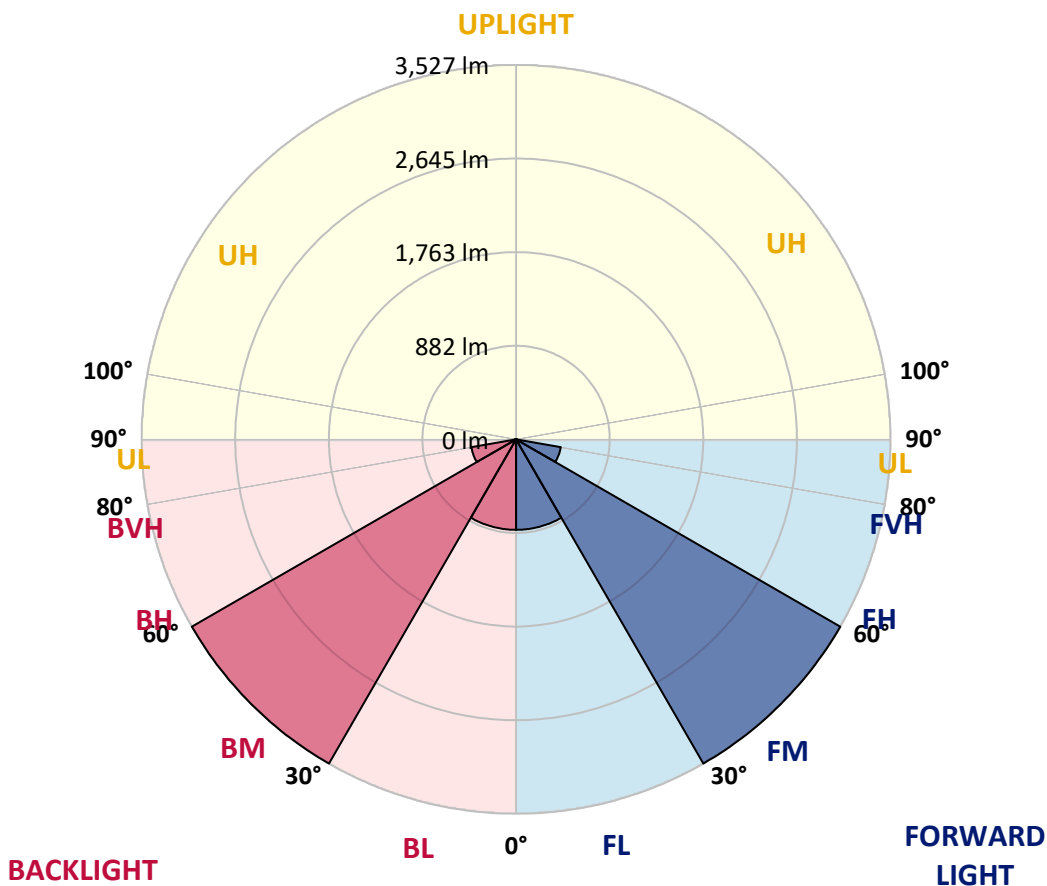
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.1	8.8			
FM (30°-60°)	3526.8	36.6			
FH (60°-80°)	427.5	4.4			G0/660
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	852.1	8.8	B2/1000		
BM (30°-60°)	3526.8	36.6	B3/5000		
BH (60°-80°)	427.5	4.4	B1/500		G0/660
BVH (80°-90°)	13.1	0.1			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°	1734.1	1734.1	1734.1	1734.1	1734.1	1734.1	1734.1	1734.1	1734.1	1734.1	1734.1
2.5°	1730.3	1730.3	1733.3	1737.1	1737.9	1745.5	1744.0	1740.9	1739.4	1736.4	1743.2
5°	1749.3	1750.1	1752.4	1754.6	1753.1	1759.2	1756.9	1753.1	1750.8	1747.0	1753.9
7.5°	1774.5	1774.5	1776.7	1779.8	1778.3	1787.4	1782.8	1777.5	1773.7	1769.1	1775.2
10°	1797.3	1798.9	1801.1	1807.2	1810.3	1820.2	1817.1	1809.5	1803.4	1798.1	1805.0
12.5°	1831.6	1833.2	1835.4	1843.8	1849.2	1859.1	1854.5	1843.8	1834.7	1827.1	1834.7
15°	1875.8	1874.3	1880.4	1891.1	1897.9	1907.1	1901.8	1883.5	1871.3	1861.4	1869.0
17.5°	1920.8	1920.0	1926.1	1939.9	1949.8	1962.0	1952.8	1931.5	1918.5	1906.3	1913.9
20°	1969.6	1971.9	1978.0	1990.9	2005.4	2021.4	2013.8	1990.9	1976.5	1962.7	1968.8
22.5°	2029.8	2030.6	2037.4	2054.2	2073.3	2088.5	2083.9	2055.7	2037.4	2022.9	2030.6
25°	2102.2	2101.5	2110.6	2130.4	2157.1	2172.3	2162.4	2131.2	2111.4	2094.6	2100.7
27.5°	2185.3	2184.5	2198.3	2224.2	2262.3	2283.6	2263.0	2224.2	2196.7	2173.1	2178.4
30°	2289.7	2287.4	2302.7	2337.7	2387.3	2423.1	2392.6	2338.5	2302.7	2277.5	2282.9
32.5°	2405.6	2408.6	2427.7	2474.9	2537.5	2583.9	2538.2	2478.0	2430.0	2393.4	2399.5
35°	2532.9	2532.9	2571.8	2630.4	2719.6	2781.4	2710.5	2623.6	2559.6	2509.2	2510.8
37.5°	2674.7	2676.2	2727.2	2808.0	2924.7	2997.1	2901.0	2793.6	2715.8	2661.7	2658.6
40°	2847.7	2852.2	2904.8	2994.8	3125.9	3192.2	3089.3	2984.1	2904.8	2840.8	2834.7
42.5°	3042.8	3044.3	3100.0	3180.8	3291.3	3330.9	3250.1	3164.0	3099.2	3041.3	3035.2
45°	3228.8	3225.0	3273.0	3333.2	3397.2	3401.1	3356.1	3321.0	3264.6	3215.1	3205.9
47.5°	3373.6	3370.6	3414.0	3446.8	3454.4	3417.1	3431.5	3436.9	3371.3	3304.2	3286.7
50°	3462.0	3468.1	3509.3	3527.6	3482.6	3421.6	3476.5	3462.8	3369.0	3281.4	3253.2
52.5°	3515.4	3524.5	3596.2	3642.7	3596.2	3538.3	3545.9	3465.1	3330.2	3214.3	3177.7
55°	3380.5	3417.1	3571.8	3777.6	3853.8	3813.4	3668.6	3460.5	3210.5	3042.0	3010.8
57.5°	2505.4	2563.4	2792.8	3238.7	3702.1	3849.2	3426.2	2901.0	2522.2	2305.7	2287.4
60°	1279.0	1343.8	1527.5	1985.6	2581.7	2789.0	2386.5	1857.5	1476.4	1301.1	1281.3
62.5°	522.1	532.8	593.0	769.8	1141.1	1316.4	1156.3	811.8	609.8	561.8	562.5
65°	410.8	413.1	410.1	420.7	477.9	530.5	490.1	430.7	420.0	425.3	421.5
67.5°	358.2	359.0	356.7	356.7	359.0	356.7	361.3	363.6	365.1	371.2	367.4
70°	299.6	300.3	300.3	301.8	301.1	297.3	304.1	307.2	307.9	311.8	309.5
72.5°	231.7	234.0	235.5	236.3	235.5	233.2	237.1	242.4	241.6	245.4	241.6
75°	157.0	160.1	161.6	164.6	163.9	163.9	168.5	170.7	168.5	171.5	168.5
77.5°	89.2	91.5	96.0	99.1	102.1	104.4	107.5	109.0	108.2	109.8	108.2
80°	51.8	52.6	56.4	57.9	61.7	65.6	68.6	70.1	70.9	71.6	70.9
82.5°	29.7	30.5	32.0	33.5	36.6	39.6	42.7	45.0	45.0	45.7	45.0
85°	14.5	14.5	15.2	16.0	17.5	19.8	22.1	24.4	25.2	25.2	25.2
87.5°	2.3	2.3	3.0	3.0	3.8	4.6	6.1	7.6	8.4	8.4	8.4
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)