

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: P632792

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632792
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10585 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

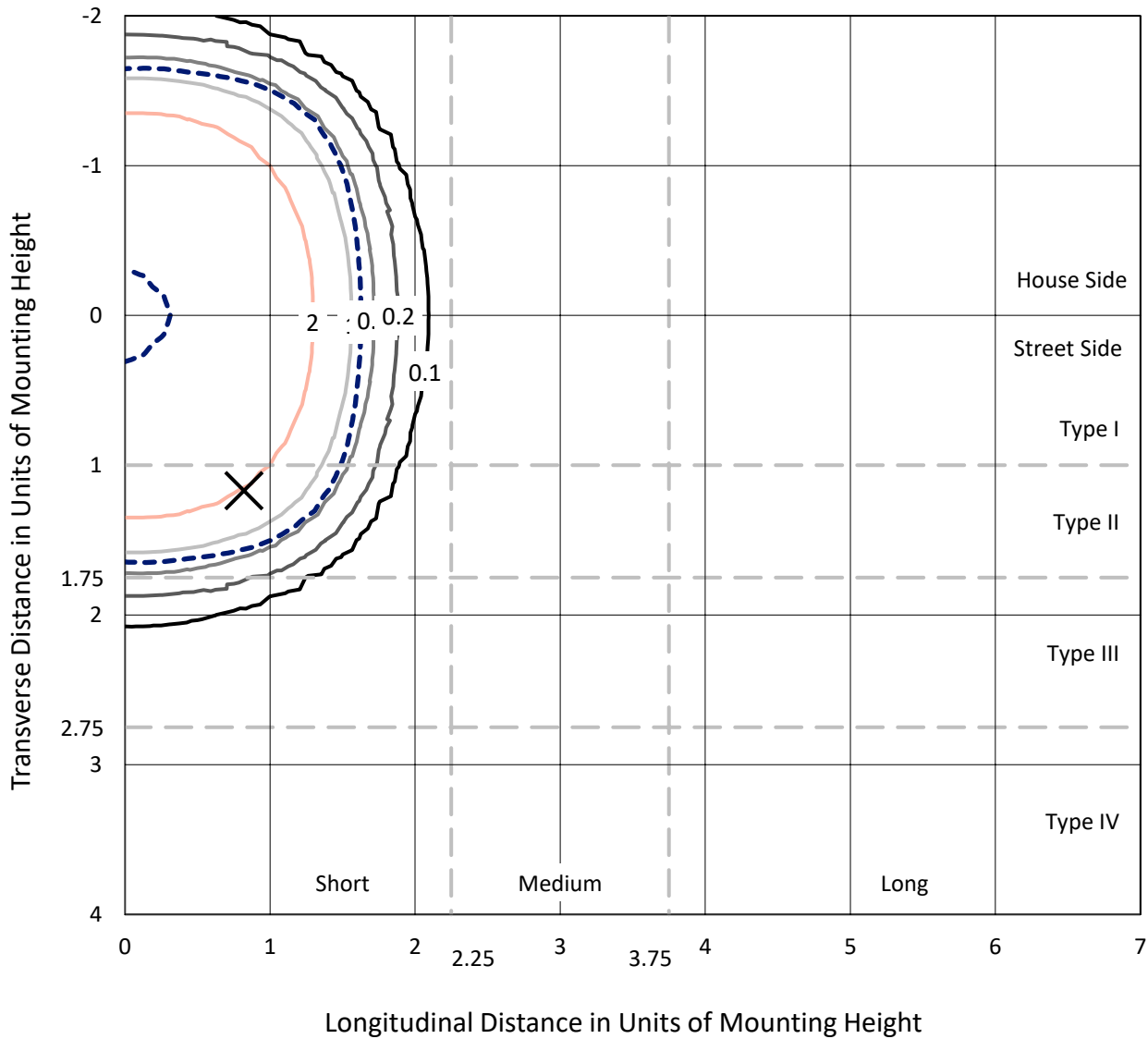
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

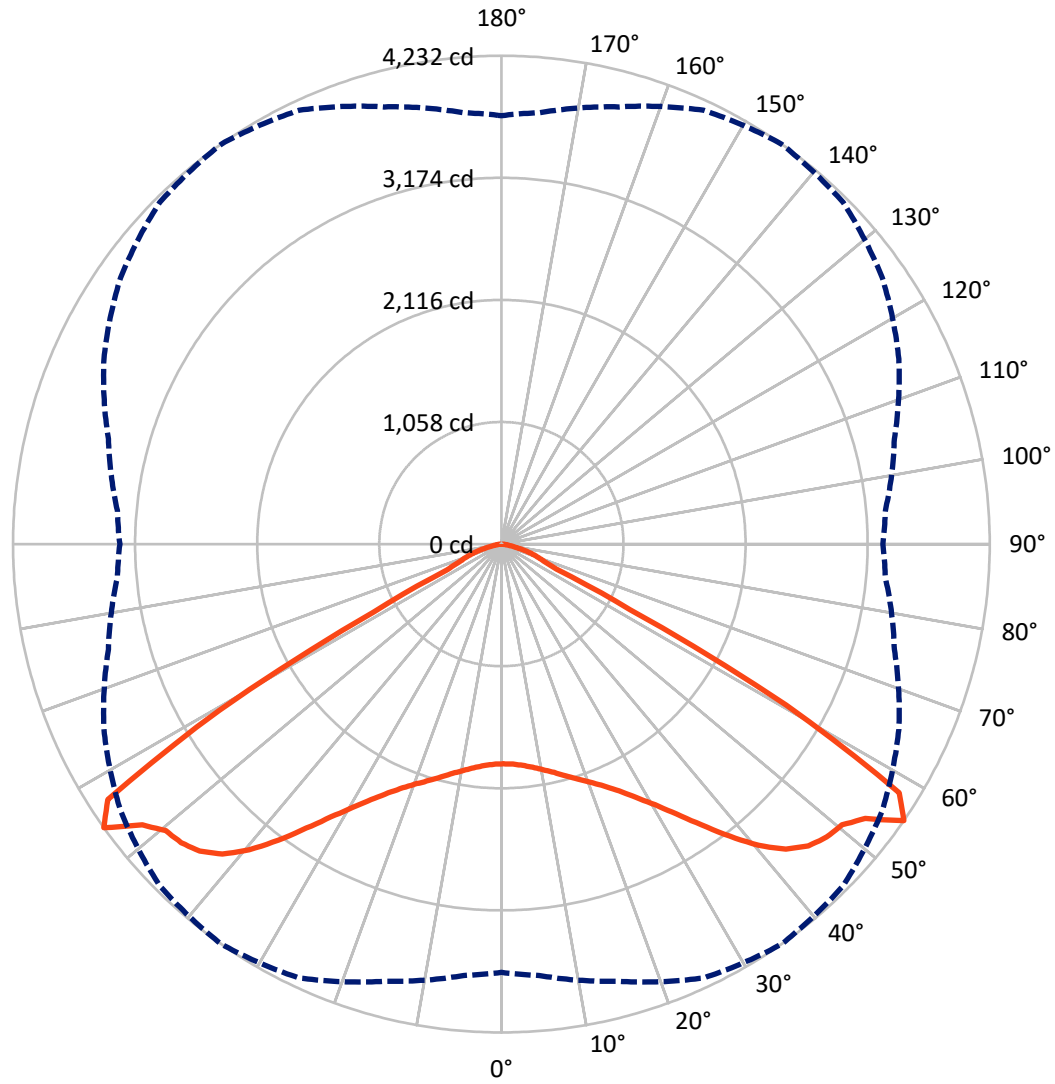
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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	5292.5	0.0	5292.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5292.5	0.0	5292.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10585.0	0.0	10585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.7	1.8
10°-20°	591.3	5.6
20°-30°	1094.5	10.3
30°-40°	1830.8	17.3
40°-50°	2789.9	26.4
50°-60°	3125.2	29.5
60°-70°	739.5	7.0
70°-80°	199.4	1.9
80°-90°	28.7	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°	10585.0	100.0
0°-180°	10585.0	100.0

Coefficient of Utilization



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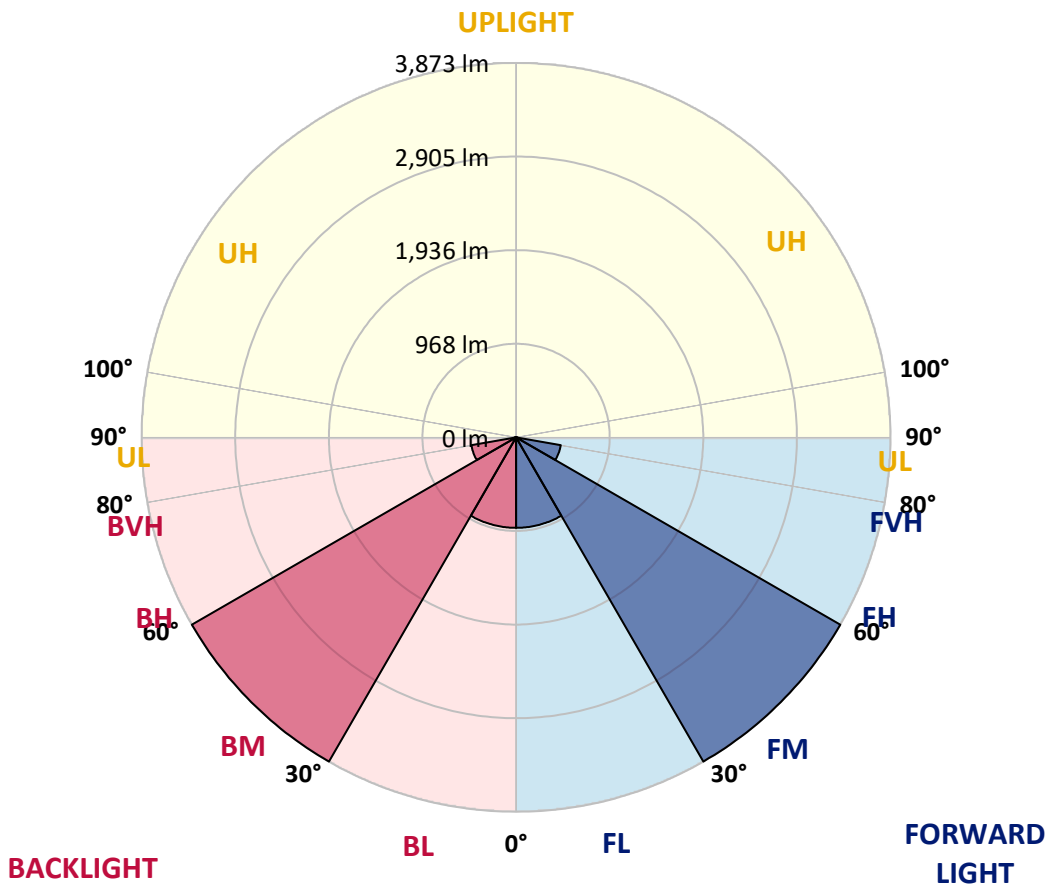
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.8	8.8			
FM (30°-60°)	3873.0	36.6			
FH (60°-80°)	469.4	4.4			G0/660
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	935.8	8.8	B2/1000		
BM (30°-60°)	3873.0	36.6	B3/5000		
BH (60°-80°)	469.4	4.4	B1/500		G0/660
BVH (80°-90°)	14.3	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°	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3
2.5°	1900.1	1900.1	1903.4	1907.6	1908.5	1916.8	1915.2	1911.8	1910.1	1906.8	1914.3
5°	1921.0	1921.8	1924.4	1926.9	1925.2	1931.9	1929.4	1925.2	1922.7	1918.5	1926.0
7.5°	1948.6	1948.6	1951.1	1954.5	1952.8	1962.9	1957.8	1952.0	1947.8	1942.8	1949.5
10°	1973.7	1975.4	1977.9	1984.6	1988.0	1998.9	1995.5	1987.1	1980.4	1974.6	1982.1
12.5°	2011.4	2013.1	2015.6	2024.8	2030.7	2041.5	2036.5	2024.8	2014.8	2006.4	2014.8
15°	2060.0	2058.3	2065.0	2076.7	2084.2	2094.3	2088.4	2068.3	2054.9	2044.1	2052.4
17.5°	2109.3	2108.5	2115.2	2130.3	2141.2	2154.5	2144.5	2121.1	2106.8	2093.4	2101.8
20°	2162.9	2165.4	2172.1	2186.4	2202.3	2219.8	2211.5	2186.4	2170.4	2155.4	2162.1
22.5°	2229.0	2229.9	2237.4	2255.8	2276.8	2293.5	2288.5	2257.5	2237.4	2221.5	2229.9
25°	2308.6	2307.7	2317.8	2339.5	2368.8	2385.6	2374.7	2340.4	2318.6	2300.2	2306.9
27.5°	2399.8	2399.0	2414.0	2442.5	2484.3	2507.8	2485.2	2442.5	2412.4	2386.4	2392.3
30°	2514.5	2512.0	2528.7	2567.2	2621.6	2661.0	2627.5	2568.0	2528.7	2501.1	2506.9
32.5°	2641.7	2645.1	2666.0	2717.9	2786.5	2837.6	2787.3	2721.2	2668.5	2628.3	2635.0
35°	2781.5	2781.5	2824.2	2888.6	2986.6	3054.4	2976.5	2881.1	2810.8	2755.5	2757.2
37.5°	2937.2	2938.9	2994.9	3083.7	3211.7	3291.2	3185.8	3067.8	2982.4	2922.9	2919.6
40°	3127.2	3132.2	3190.0	3288.7	3432.7	3505.5	3392.5	3277.0	3190.0	3119.7	3113.0
42.5°	3341.5	3343.1	3404.2	3493.0	3614.3	3657.9	3569.1	3474.6	3403.4	3339.8	3333.1
45°	3545.7	3541.5	3594.3	3660.4	3730.7	3734.9	3685.5	3647.0	3585.0	3530.6	3520.6
47.5°	3704.7	3701.4	3749.1	3785.1	3793.5	3752.5	3768.4	3774.2	3702.2	3628.6	3609.3
50°	3801.8	3808.5	3853.7	3873.8	3824.4	3757.5	3817.7	3802.7	3699.7	3603.5	3572.5
52.5°	3860.4	3870.5	3949.2	4000.2	3949.2	3885.5	3893.9	3805.2	3657.0	3529.8	3489.6
55°	3712.3	3752.5	3922.4	4148.4	4232.1	4187.7	4028.7	3800.2	3525.6	3340.6	3306.3
57.5°	2751.4	2815.0	3066.9	3556.6	4065.5	4227.1	3762.5	3185.8	2769.8	2532.1	2512.0
60°	1404.6	1475.7	1677.4	2180.5	2835.1	3062.7	2620.8	2039.9	1621.3	1428.8	1407.1
62.5°	573.4	585.1	651.2	845.4	1253.1	1445.6	1269.8	891.4	669.6	616.9	617.7
65°	451.2	453.7	450.3	462.0	524.8	582.6	538.2	472.9	461.2	467.1	462.9
67.5°	393.4	394.2	391.7	391.7	394.2	391.7	396.8	399.3	400.9	407.6	403.5
70°	329.0	329.8	329.8	331.5	330.6	326.4	334.0	337.3	338.2	342.4	339.8
72.5°	254.5	257.0	258.6	259.5	258.6	256.1	260.3	266.2	265.3	269.5	265.3
75°	172.4	175.8	177.5	180.8	180.0	180.0	185.0	187.5	185.0	188.3	185.0
77.5°	97.9	100.4	105.5	108.8	112.2	114.7	118.0	119.7	118.9	120.5	118.9
80°	56.9	57.8	61.9	63.6	67.8	72.0	75.3	77.0	77.8	78.7	77.8
82.5°	32.6	33.5	35.2	36.8	40.2	43.5	46.9	49.4	49.4	50.2	49.4
85°	15.9	15.9	16.7	17.6	19.3	21.8	24.3	26.8	27.6	27.6	27.6
87.5°	2.5	2.5	3.3	3.3	4.2	5.0	6.7	8.4	9.2	9.2	9.2
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)