

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: P632902

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632902
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10679.2 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

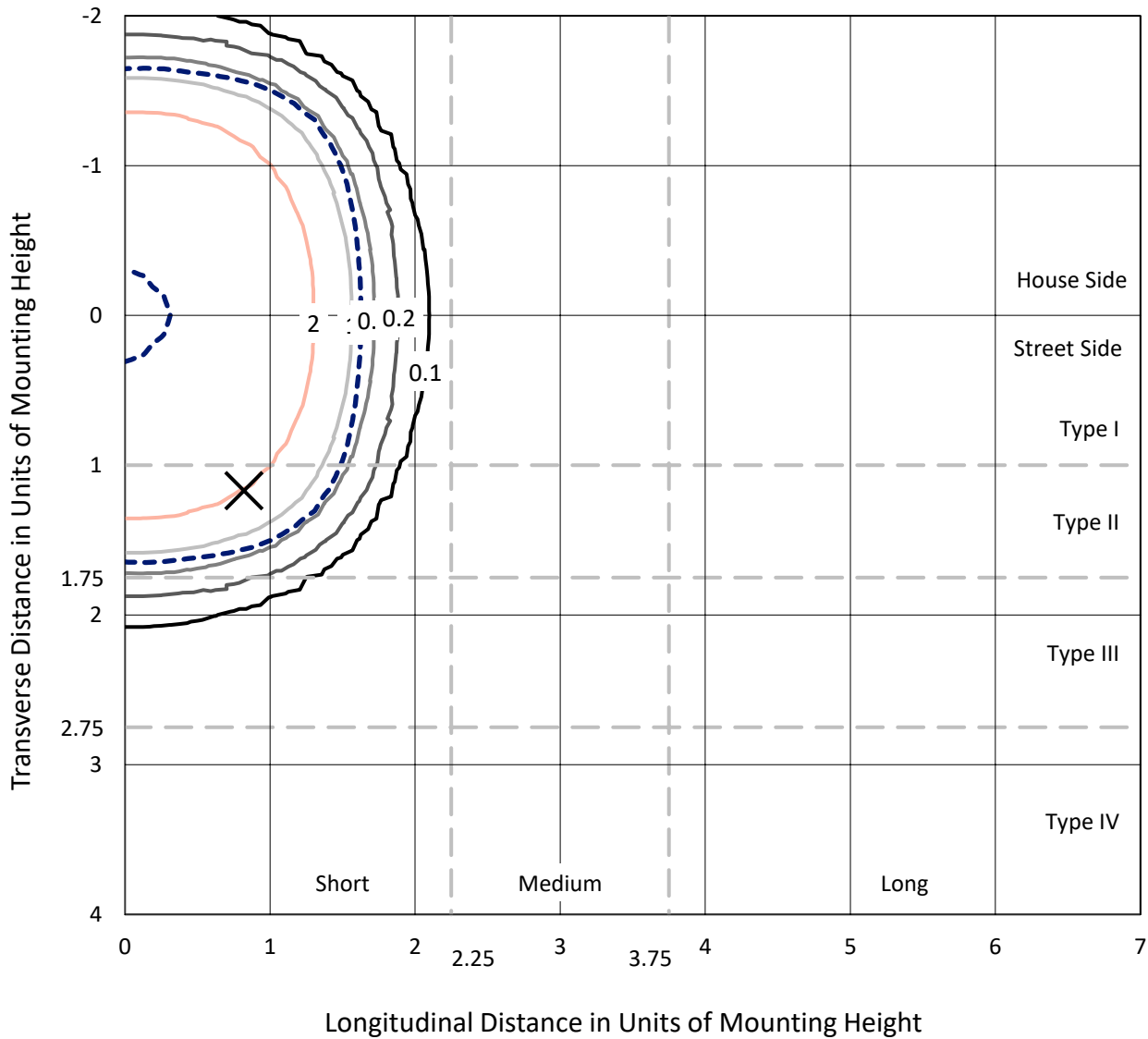
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

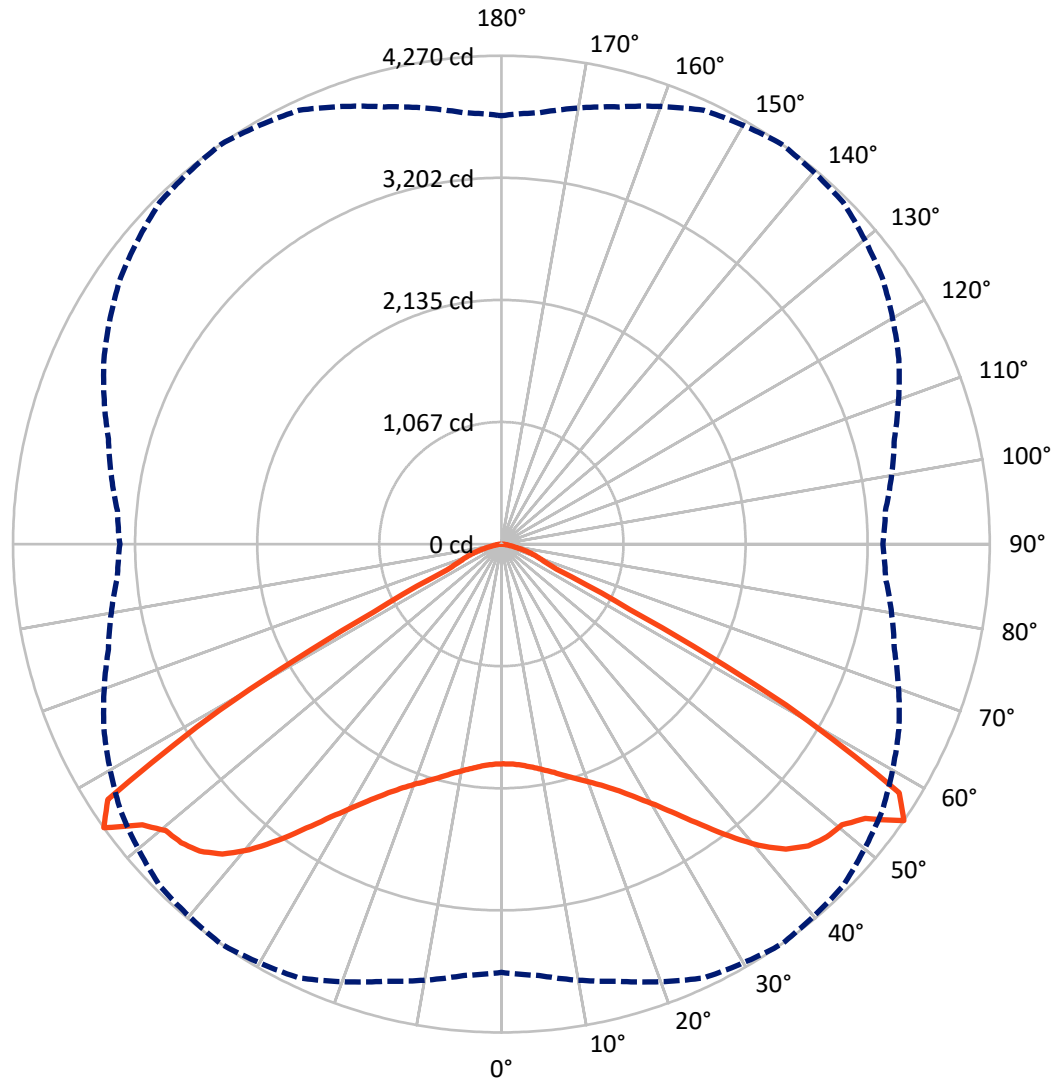
✕ Max cd
 - - - 1/2 Max cd



Based on 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	5339.6	0.0	5339.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5339.6	0.0	5339.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10679.2	0.0	10679.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	1.8
10°-20°	596.6	5.6
20°-30°	1104.2	10.3
30°-40°	1847.1	17.3
40°-50°	2814.7	26.4
50°-60°	3153.1	29.5
60°-70°	746.0	7.0
70°-80°	201.1	1.9
80°-90°	28.9	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°	10679.2	100.0
0°-180°	10679.2	100.0

Coefficient of Utilization



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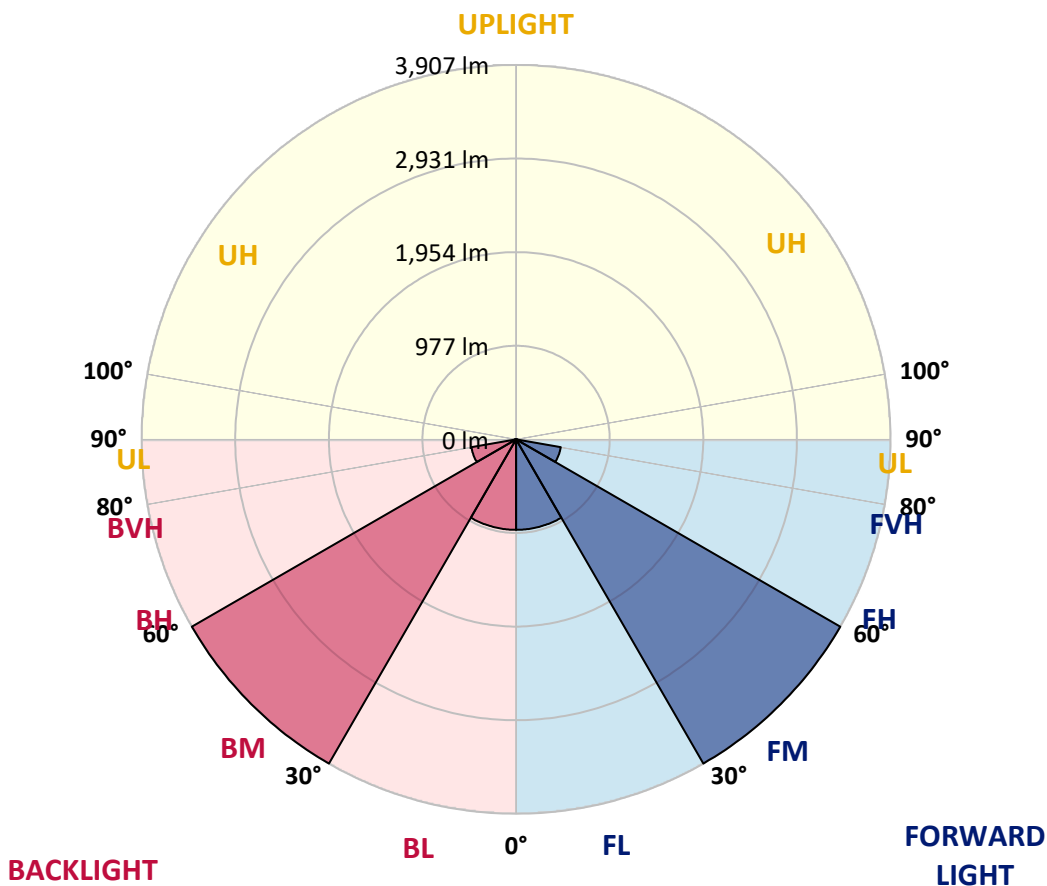
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	944.1	8.8			
FM (30°-60°)	3907.4	36.6			
FH (60°-80°)	473.6	4.4			G0/660
FVH (80°-90°)	14.5	0.1			G1/100
BL (0°-30°)	944.1	8.8	B2/1000		
BM (30°-60°)	3907.4	36.6	B3/5000		
BH (60°-80°)	473.6	4.4	B1/500		G0/660
BVH (80°-90°)	14.5	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°	1921.2	1921.2	1921.2	1921.2	1921.2	1921.2	1921.2	1921.2	1921.2	1921.2	1921.2
2.5°	1917.0	1917.0	1920.4	1924.6	1925.4	1933.9	1932.2	1928.8	1927.1	1923.8	1931.4
5°	1938.1	1939.0	1941.5	1944.0	1942.3	1949.1	1946.6	1942.3	1939.8	1935.6	1943.2
7.5°	1966.0	1966.0	1968.5	1971.9	1970.2	1980.3	1975.3	1969.4	1965.1	1960.1	1966.8
10°	1991.3	1993.0	1995.5	2002.3	2005.7	2016.6	2013.3	2004.8	1998.1	1992.2	1999.8
12.5°	2029.3	2031.0	2033.5	2042.8	2048.7	2059.7	2054.6	2042.8	2032.7	2024.2	2032.7
15°	2078.3	2076.6	2083.4	2095.2	2102.8	2112.9	2107.0	2086.7	2073.2	2062.2	2070.7
17.5°	2128.1	2127.3	2134.0	2149.2	2160.2	2173.7	2163.6	2139.9	2125.6	2112.1	2120.5
20°	2182.2	2184.7	2191.5	2205.8	2221.9	2239.6	2231.1	2205.8	2189.8	2174.6	2181.3
22.5°	2248.9	2249.7	2257.3	2275.9	2297.0	2313.9	2308.8	2277.6	2257.3	2241.3	2249.7
25°	2329.1	2328.3	2338.4	2360.4	2389.9	2406.8	2395.8	2361.2	2339.2	2320.7	2327.4
27.5°	2421.2	2420.3	2435.5	2464.2	2506.4	2530.1	2507.3	2464.2	2433.8	2407.6	2413.6
30°	2536.9	2534.3	2551.2	2590.1	2644.9	2684.6	2650.9	2590.9	2551.2	2523.3	2529.3
32.5°	2665.2	2668.6	2689.7	2742.1	2811.3	2862.8	2812.2	2745.4	2692.2	2651.7	2658.5
35°	2806.2	2806.2	2849.3	2914.3	3013.1	3081.5	3003.0	2906.7	2835.8	2780.1	2781.8
37.5°	2963.3	2965.0	3021.6	3111.1	3240.3	3320.5	3214.1	3095.1	3008.9	2949.0	2945.6
40°	3155.0	3160.1	3218.4	3318.0	3463.3	3536.7	3422.7	3306.2	3218.4	3147.4	3140.7
42.5°	3371.2	3372.9	3434.5	3524.1	3646.5	3690.4	3600.9	3505.5	3433.7	3369.5	3362.8
45°	3577.3	3573.0	3626.2	3693.0	3763.9	3768.1	3718.3	3679.4	3617.0	3562.1	3551.9
47.5°	3737.7	3734.3	3782.5	3818.8	3827.2	3785.9	3801.9	3807.8	3735.2	3660.9	3641.4
50°	3835.7	3842.4	3888.0	3908.3	3858.5	3790.9	3851.7	3836.5	3732.6	3635.5	3604.3
52.5°	3894.8	3904.9	3984.3	4035.8	3984.3	3920.1	3928.6	3839.1	3689.6	3561.2	3520.7
55°	3745.3	3785.9	3957.3	4185.3	4269.7	4225.0	4064.5	3834.0	3557.0	3370.4	3335.7
57.5°	2775.8	2840.0	3094.2	3588.2	4101.7	4264.7	3796.0	3214.1	2794.4	2554.6	2534.3
60°	1417.1	1488.8	1692.4	2199.9	2860.3	3090.0	2644.1	2058.0	1635.8	1441.5	1419.6
62.5°	578.5	590.3	657.0	852.9	1264.2	1458.4	1281.1	899.4	675.6	622.4	623.2
65°	455.2	457.7	454.3	466.2	529.5	587.8	543.0	477.1	465.3	471.2	467.0
67.5°	396.9	397.8	395.2	395.2	397.8	395.2	400.3	402.8	404.5	411.3	407.0
70°	331.9	332.7	332.7	334.4	333.6	329.4	337.0	340.3	341.2	345.4	342.9
72.5°	256.7	259.3	260.9	261.8	260.9	258.4	262.6	268.5	267.7	271.9	267.7
75°	174.0	177.3	179.0	182.4	181.6	181.6	186.6	189.2	186.6	190.0	186.6
77.5°	98.8	101.3	106.4	109.8	113.2	115.7	119.1	120.8	119.9	121.6	119.9
80°	57.4	58.3	62.5	64.2	68.4	72.6	76.0	77.7	78.5	79.4	78.5
82.5°	32.9	33.8	35.5	37.2	40.5	43.9	47.3	49.8	49.8	50.7	49.8
85°	16.0	16.0	16.9	17.7	19.4	22.0	24.5	27.0	27.9	27.9	27.9
87.5°	2.5	2.5	3.4	3.4	4.2	5.1	6.8	8.4	9.3	9.3	9.3
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)