

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: P632737

Luminaire Tested: GWS-SA2D-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632737
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10440 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

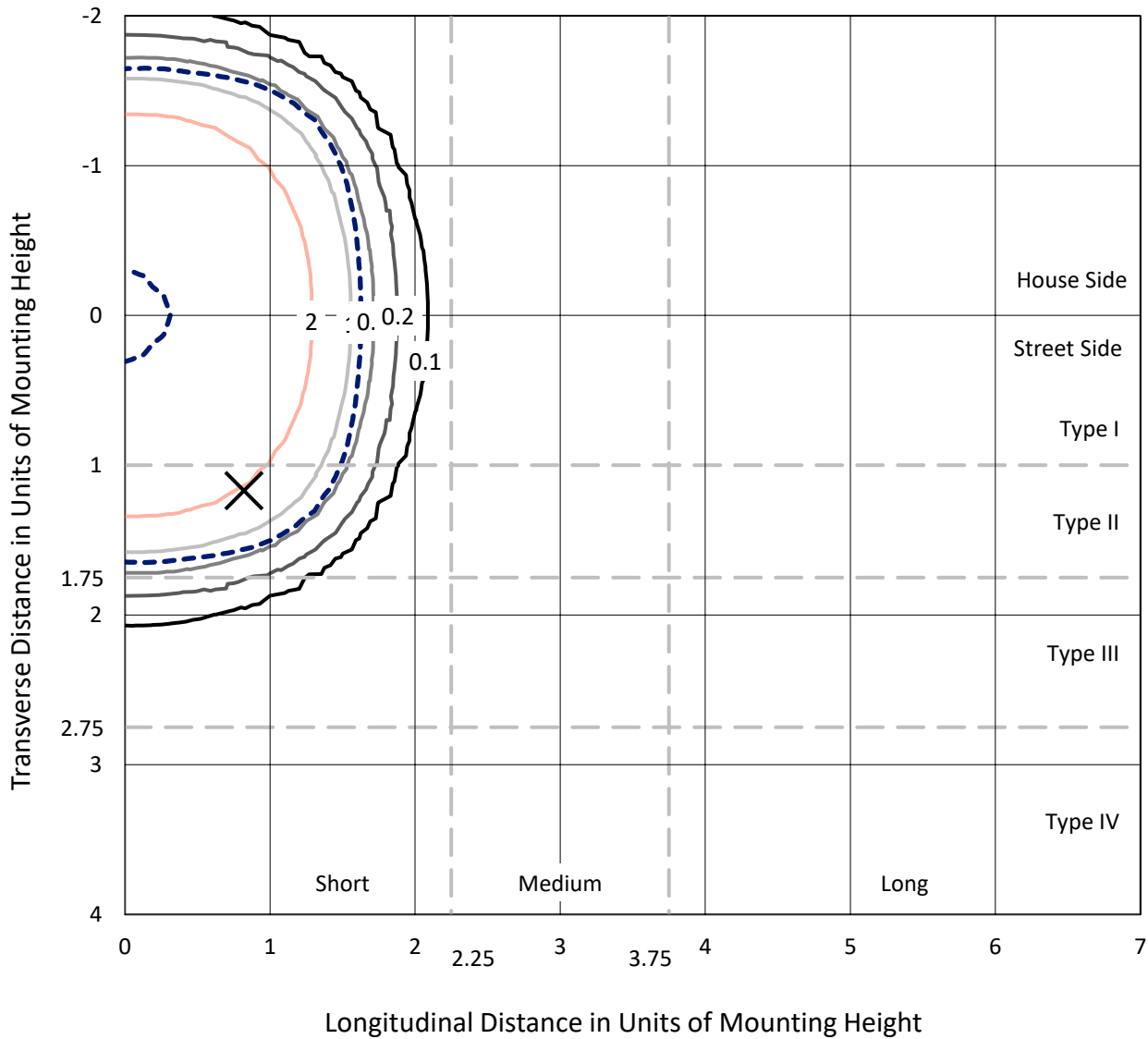
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632737
 CATALOG NUMBER: GWS-SA2D-735-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

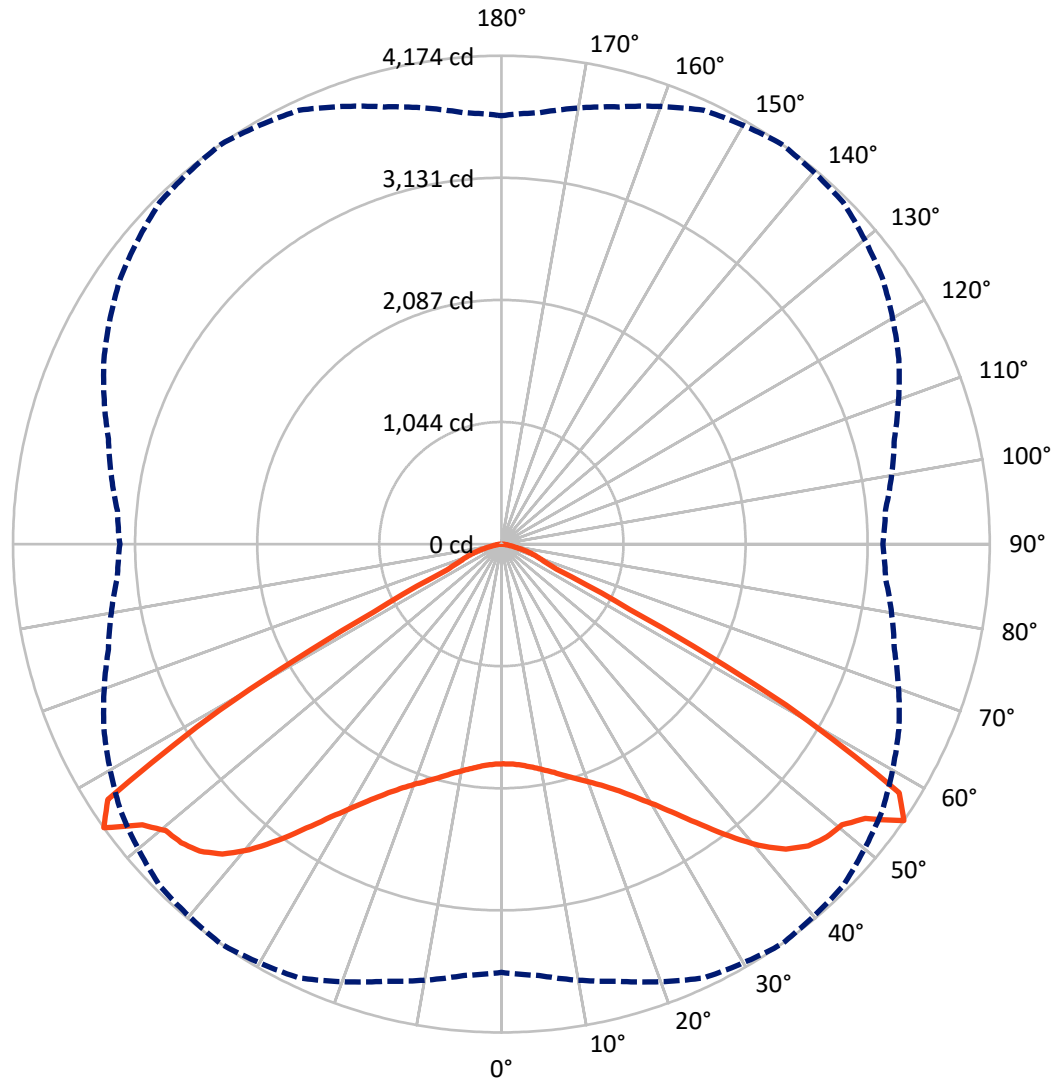
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P632737
CATALOG NUMBER: GWS-SA2D-735-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632737

CATALOG NUMBER: GWS-SA2D-735-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5220.0	0.0	5220.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5220.0	0.0	5220.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10440.0	0.0	10440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	1.8
10°-20°	583.2	5.6
20°-30°	1079.5	10.3
30°-40°	1805.7	17.3
40°-50°	2751.7	26.4
50°-60°	3082.4	29.5
60°-70°	729.3	7.0
70°-80°	196.6	1.9
80°-90°	28.3	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°	10440.0	100.0
0°-180°	10440.0	100.0

Coefficient of Utilization



REPORT NUMBER: P632737

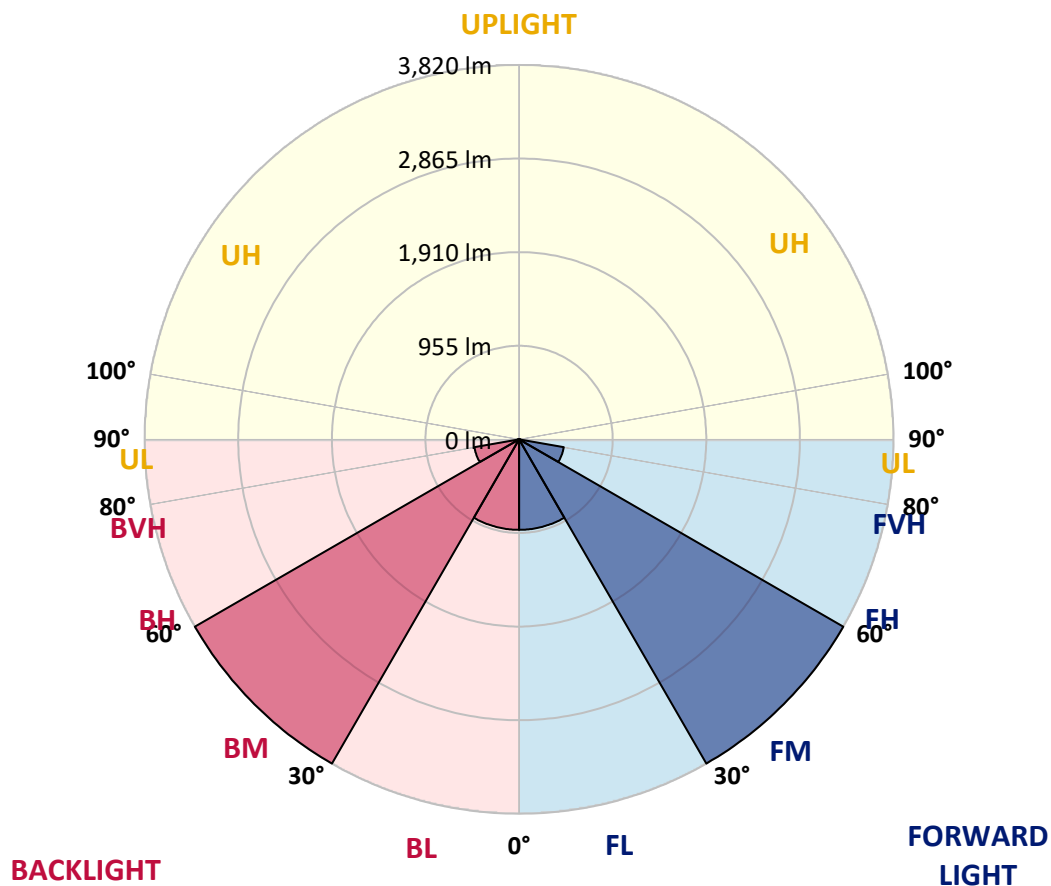
CATALOG NUMBER: GWS-SA2D-735-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.0	8.8			
FM (30°-60°)	3819.9	36.6			
FH (60°-80°)	463.0	4.4			G0/660
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	923.0	8.8	B2/1000		
BM (30°-60°)	3819.9	36.6	B3/5000		
BH (60°-80°)	463.0	4.4	B1/500		G0/660
BVH (80°-90°)	14.1	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





REPORT NUMBER: P632737

CATALOG NUMBER: GWS-SA2D-735-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1878.2	1878.2	1878.2	1878.2	1878.2	1878.2	1878.2	1878.2	1878.2	1878.2	1878.2
2.5°	1874.1	1874.1	1877.4	1881.5	1882.3	1890.6	1888.9	1885.6	1884.0	1880.7	1888.1
5°	1894.7	1895.5	1898.0	1900.5	1898.8	1905.4	1903.0	1898.8	1896.3	1892.2	1899.6
7.5°	1921.9	1921.9	1924.4	1927.7	1926.1	1936.0	1931.0	1925.2	1921.1	1916.2	1922.8
10°	1946.7	1948.4	1950.8	1957.4	1960.7	1971.5	1968.2	1959.9	1953.3	1947.5	1955.0
12.5°	1983.9	1985.5	1988.0	1997.1	2002.8	2013.6	2008.6	1997.1	1987.2	1978.9	1987.2
15°	2031.7	2030.1	2036.7	2048.3	2055.7	2065.6	2059.8	2040.0	2026.8	2016.1	2024.3
17.5°	2080.4	2079.6	2086.2	2101.1	2111.8	2125.0	2115.1	2092.0	2078.0	2064.8	2073.0
20°	2133.3	2135.8	2142.4	2156.4	2172.1	2189.4	2181.2	2156.4	2140.7	2125.9	2132.5
22.5°	2198.5	2199.3	2206.8	2224.9	2245.6	2262.1	2257.1	2226.6	2206.8	2191.1	2199.3
25°	2276.9	2276.1	2286.0	2307.5	2336.4	2352.9	2342.2	2308.3	2286.8	2268.7	2275.3
27.5°	2366.9	2366.1	2381.0	2409.0	2450.3	2473.4	2451.1	2409.0	2379.3	2353.7	2359.5
30°	2480.0	2477.6	2494.1	2532.0	2585.7	2624.5	2591.5	2532.9	2494.1	2466.8	2472.6
32.5°	2605.5	2608.8	2629.5	2680.6	2748.3	2798.7	2749.2	2683.9	2631.9	2592.3	2598.9
35°	2743.4	2743.4	2785.5	2849.1	2945.7	3012.5	2935.7	2841.6	2772.3	2717.8	2719.4
37.5°	2896.9	2898.6	2953.9	3041.4	3167.7	3246.2	3142.1	3025.7	2941.5	2882.9	2879.6
40°	3084.3	3089.3	3146.3	3243.7	3385.7	3457.5	3346.1	3232.1	3146.3	3076.9	3070.3
42.5°	3295.7	3297.3	3357.6	3445.1	3564.8	3607.8	3520.3	3427.0	3356.8	3294.0	3287.4
45°	3497.1	3493.0	3545.0	3610.2	3679.6	3683.7	3635.0	3597.0	3535.9	3482.3	3472.4
47.5°	3654.0	3650.7	3697.8	3733.3	3741.5	3701.1	3716.7	3722.5	3651.5	3578.9	3559.9
50°	3749.8	3756.4	3800.9	3820.8	3772.1	3706.0	3765.4	3750.6	3649.0	3554.1	3523.6
52.5°	3807.6	3817.5	3895.1	3945.4	3895.1	3832.3	3840.6	3753.1	3606.9	3481.5	3441.8
55°	3661.4	3701.1	3868.6	4091.6	4174.1	4130.4	3973.5	3748.1	3477.3	3294.9	3261.0
57.5°	2713.7	2776.4	3024.9	3507.9	4009.8	4169.2	3711.0	3142.1	2731.8	2497.4	2477.6
60°	1385.3	1455.5	1654.5	2150.6	2796.2	3020.8	2584.9	2011.9	1599.1	1409.3	1387.8
62.5°	565.5	577.1	642.3	833.8	1235.9	1425.8	1252.4	879.2	660.5	608.4	609.3
65°	445.0	447.5	444.2	455.7	517.6	574.6	530.8	466.5	454.9	460.7	456.5
67.5°	388.0	388.8	386.4	386.4	388.8	386.4	391.3	393.8	395.5	402.1	397.9
70°	324.5	325.3	325.3	326.9	326.1	322.0	329.4	332.7	333.5	337.7	335.2
72.5°	251.0	253.5	255.1	255.9	255.1	252.6	256.8	262.5	261.7	265.8	261.7
75°	170.1	173.4	175.0	178.3	177.5	177.5	182.5	184.9	182.5	185.8	182.5
77.5°	96.6	99.1	104.0	107.3	110.6	113.1	116.4	118.1	117.2	118.9	117.2
80°	56.1	57.0	61.1	62.7	66.9	71.0	74.3	76.0	76.8	77.6	76.8
82.5°	32.2	33.0	34.7	36.3	39.6	42.9	46.2	48.7	48.7	49.5	48.7
85°	15.7	15.7	16.5	17.3	19.0	21.5	23.9	26.4	27.2	27.2	27.2
87.5°	2.5	2.5	3.3	3.3	4.1	5.0	6.6	8.3	9.1	9.1	9.1
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)