

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: P634989

Luminaire Tested: GWS-SA3C-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9702.7 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

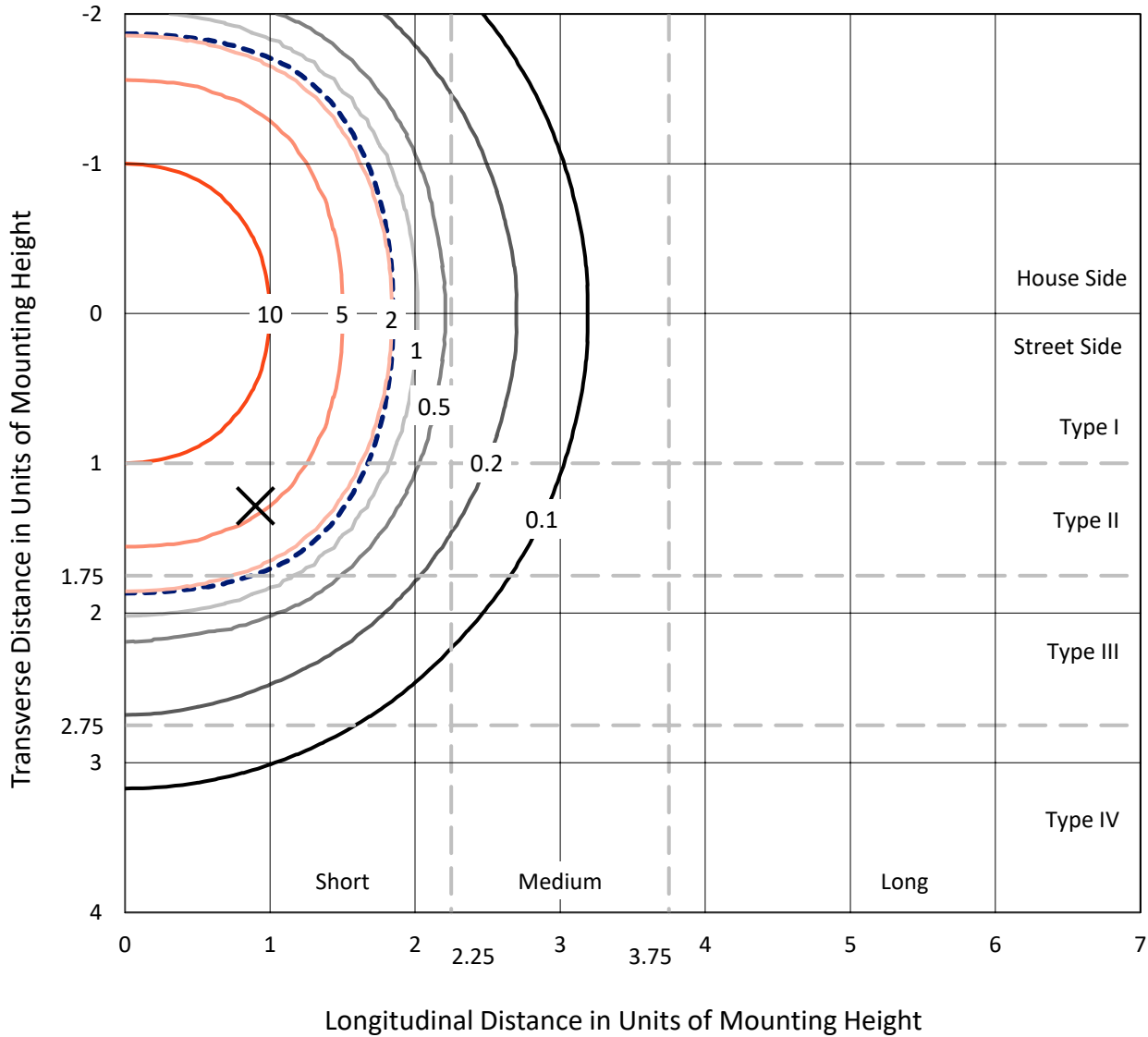
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634989
 CATALOG NUMBER: GWS-SA3C-830-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

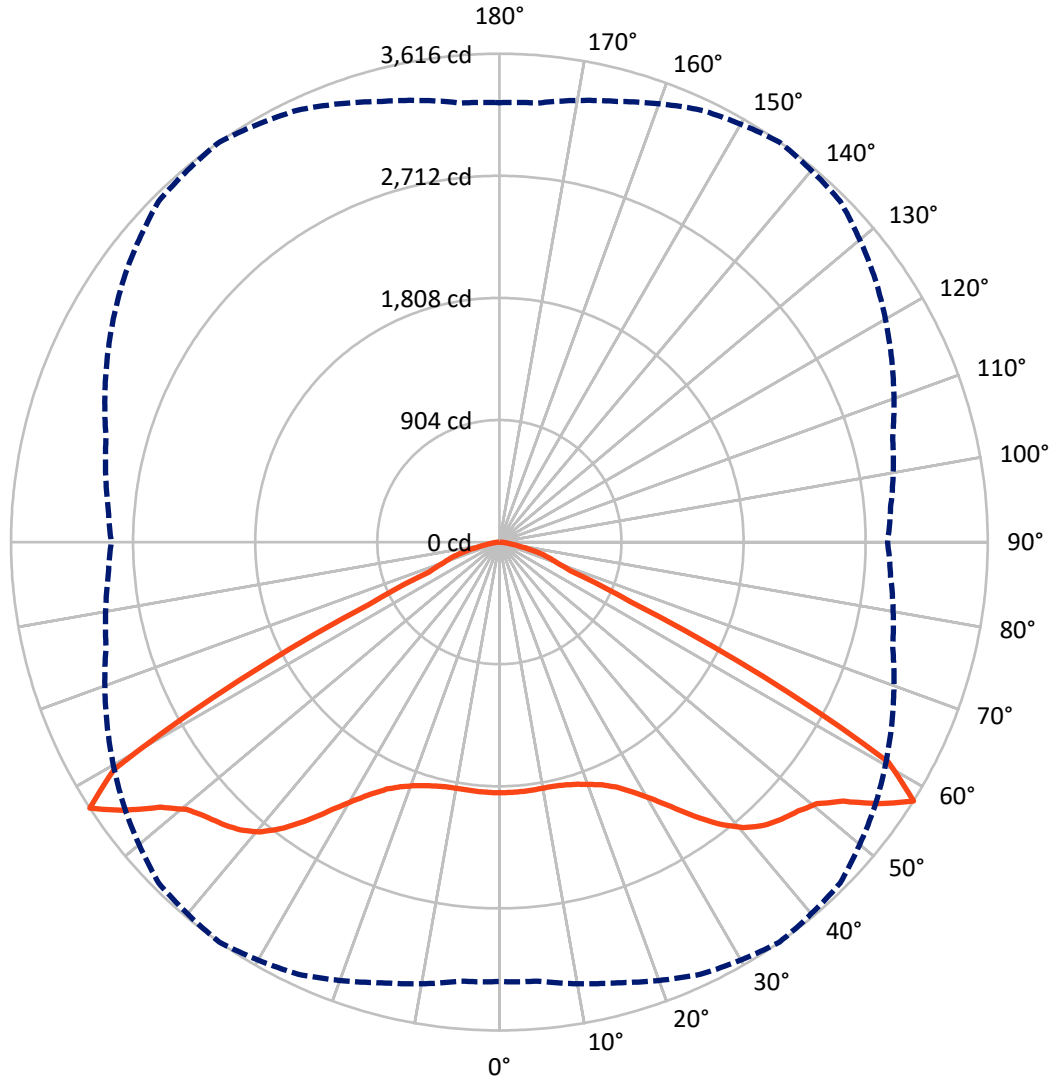
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.6 fc
 Type V - Short - N/A

REPORT NUMBER: P634989
CATALOG NUMBER: GWS-SA3C-830-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634989

CATALOG NUMBER: GWS-SA3C-830-U-5MQ-W-GRSWH

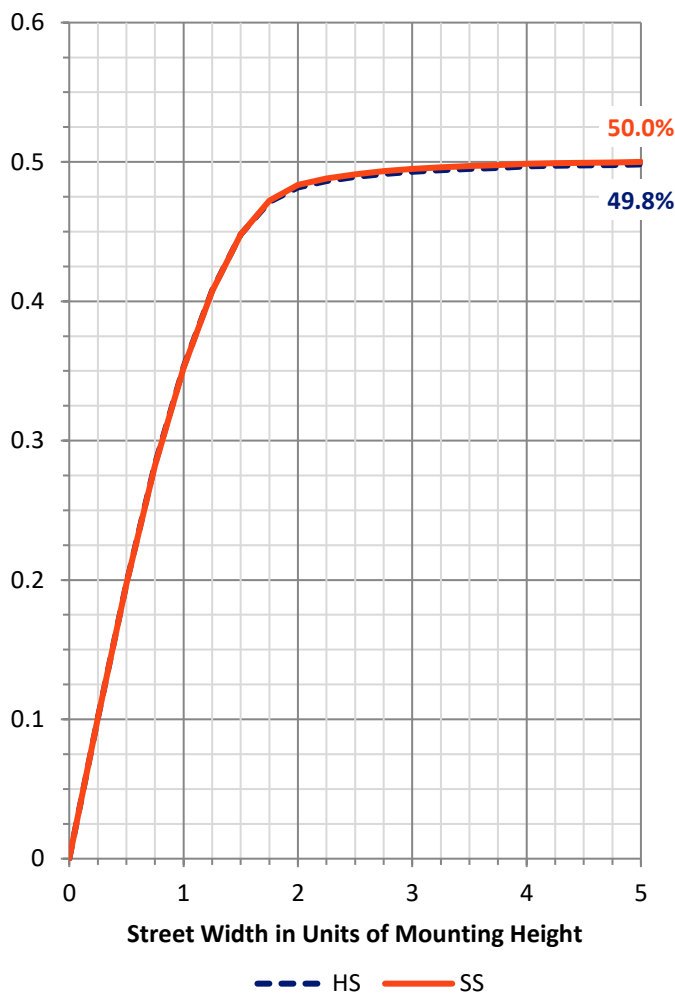
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4851.3	0.0	4851.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4851.3	0.0	4851.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9702.7	0.0	9702.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	1.8
10°-20°	526.9	5.4
20°-30°	919.4	9.5
30°-40°	1507.6	15.5
40°-50°	2220.3	22.9
50°-60°	2833.5	29.2
60°-70°	1194.2	12.3
70°-80°	285.3	2.9
80°-90°	38.8	0.4
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°	9702.7	100.0
0°-180°	9702.7	100.0

Coefficient of Utilization



REPORT NUMBER: P634989

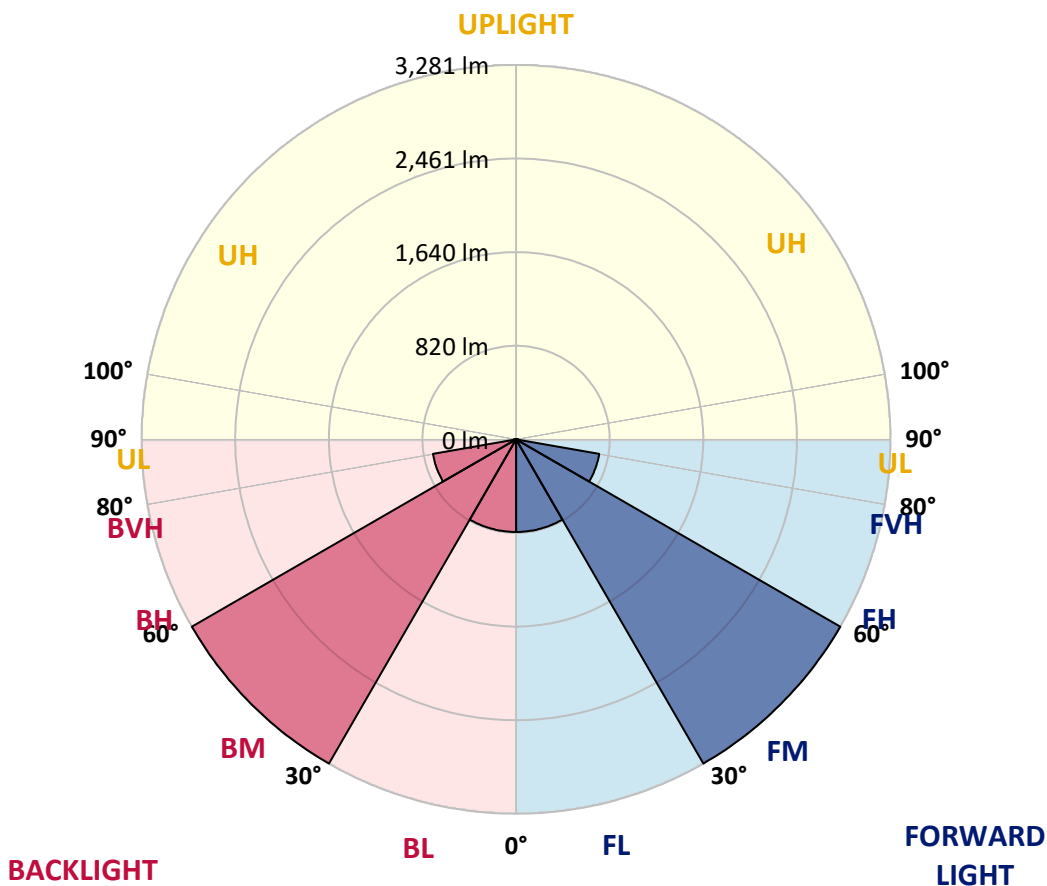
CATALOG NUMBER: GWS-SA3C-830-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.5	8.4			
FM (30°-60°)	3280.7	33.8			
FH (60°-80°)	739.7	7.6			G1/1800
FVH (80°-90°)	19.4	0.2			G1/100
BL (0°-30°)	811.5	8.4	B2/1000		
BM (30°-60°)	3280.7	33.8	B3/5000		
BH (60°-80°)	739.7	7.6	B2/1000		G1/1800
BVH (80°-90°)	19.4	0.2			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: P634989

CATALOG NUMBER: GWS-SA3C-830-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5	1856.5
2.5°	1845.4	1845.4	1849.4	1853.3	1854.9	1862.1	1861.3	1858.9	1857.3	1852.5	1858.9
5°	1849.4	1849.4	1852.5	1854.9	1854.1	1859.7	1857.3	1853.3	1850.9	1846.2	1853.3
7.5°	1848.6	1848.6	1850.9	1853.3	1851.7	1856.5	1852.5	1847.0	1843.0	1838.2	1844.6
10°	1838.2	1839.8	1842.2	1847.8	1850.1	1857.3	1851.7	1843.0	1836.6	1831.1	1837.4
12.5°	1836.6	1838.2	1841.4	1848.6	1852.5	1862.9	1855.7	1841.4	1831.9	1824.7	1831.1
15°	1843.8	1845.4	1850.1	1858.9	1865.2	1876.4	1866.0	1846.2	1832.7	1823.1	1828.7
17.5°	1852.5	1854.9	1862.1	1874.8	1885.1	1897.0	1884.3	1860.5	1841.4	1828.7	1833.5
20°	1862.1	1865.2	1876.4	1895.4	1914.5	1929.6	1913.7	1881.9	1858.9	1842.2	1847.0
22.5°	1878.7	1882.7	1897.0	1924.0	1952.6	1974.9	1955.0	1912.1	1881.9	1860.5	1864.4
25°	1912.9	1917.7	1935.9	1968.5	2009.0	2036.0	2008.2	1959.8	1917.7	1891.5	1895.4
27.5°	1973.3	1975.7	1999.5	2042.4	2092.4	2123.4	2090.1	2032.9	1986.0	1955.8	1959.0
30°	2052.7	2059.9	2083.7	2140.1	2199.7	2241.0	2197.3	2129.8	2075.8	2039.2	2042.4
32.5°	2149.6	2154.4	2190.1	2248.9	2334.7	2382.4	2322.8	2242.6	2177.4	2132.9	2136.1
35°	2276.7	2280.7	2314.9	2389.5	2493.6	2538.1	2469.8	2377.6	2302.2	2260.1	2272.0
37.5°	2428.5	2435.6	2460.2	2534.1	2650.1	2693.8	2615.1	2529.4	2450.7	2411.8	2420.5
40°	2591.3	2590.5	2610.4	2675.5	2781.2	2808.2	2737.5	2669.2	2601.6	2576.2	2590.5
42.5°	2731.1	2727.2	2741.5	2795.5	2868.6	2870.9	2824.1	2785.9	2738.3	2720.8	2734.3
45°	2828.8	2830.4	2851.9	2889.2	2926.6	2906.7	2892.4	2886.0	2848.7	2824.9	2827.3
47.5°	2905.9	2912.3	2946.4	2971.8	2976.6	2943.2	2963.1	2972.6	2941.6	2905.1	2894.8
50°	2974.2	2984.5	3029.0	3056.0	3045.7	3003.6	3042.5	3056.8	2988.5	2918.6	2898.0
52.5°	3098.1	3110.1	3164.1	3199.0	3187.1	3145.0	3181.6	3130.7	3015.5	2929.7	2903.5
55°	3295.9	3301.5	3367.4	3424.6	3419.1	3367.4	3338.0	3225.2	3085.4	2996.5	2971.8
57.5°	3253.8	3263.4	3377.8	3530.3	3616.1	3569.2	3396.8	3204.6	3014.7	2907.5	2874.1
60°	2560.3	2583.4	2725.6	2994.1	3308.7	3307.9	2987.7	2689.0	2460.2	2318.0	2303.7
62.5°	1495.1	1510.9	1640.4	1912.1	2194.1	2211.6	1986.8	1781.8	1581.6	1485.5	1439.4
65°	707.8	707.0	758.6	881.0	1071.6	1086.7	1019.2	907.2	788.8	756.3	747.5
67.5°	522.7	522.7	518.7	527.5	564.0	572.0	564.0	545.7	534.6	541.8	537.0
70°	453.6	454.4	449.6	447.2	447.2	444.9	448.0	455.2	460.0	469.5	464.7
72.5°	367.8	368.6	368.6	369.4	370.2	367.0	371.8	375.7	376.5	379.7	376.5
75°	261.4	262.9	267.7	271.7	274.9	274.9	276.4	277.2	274.1	278.0	271.7
77.5°	143.8	145.4	154.1	161.3	168.4	169.2	171.6	173.2	171.6	174.8	170.0
80°	79.4	81.0	85.0	88.2	93.7	98.5	101.7	103.3	103.3	105.7	103.3
82.5°	45.3	46.9	49.3	50.8	55.6	59.6	62.8	65.1	65.1	65.9	64.3
85°	21.4	21.4	23.0	24.6	27.0	28.6	32.6	35.0	35.0	36.5	35.0
87.5°	3.2	4.0	4.8	4.8	6.4	7.9	9.5	10.3	11.9	12.7	12.7
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)