

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: P634992

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634992
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-SA3C-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 10045.8 lumens
Efficiency: N/A
Efficacy: 108.0 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

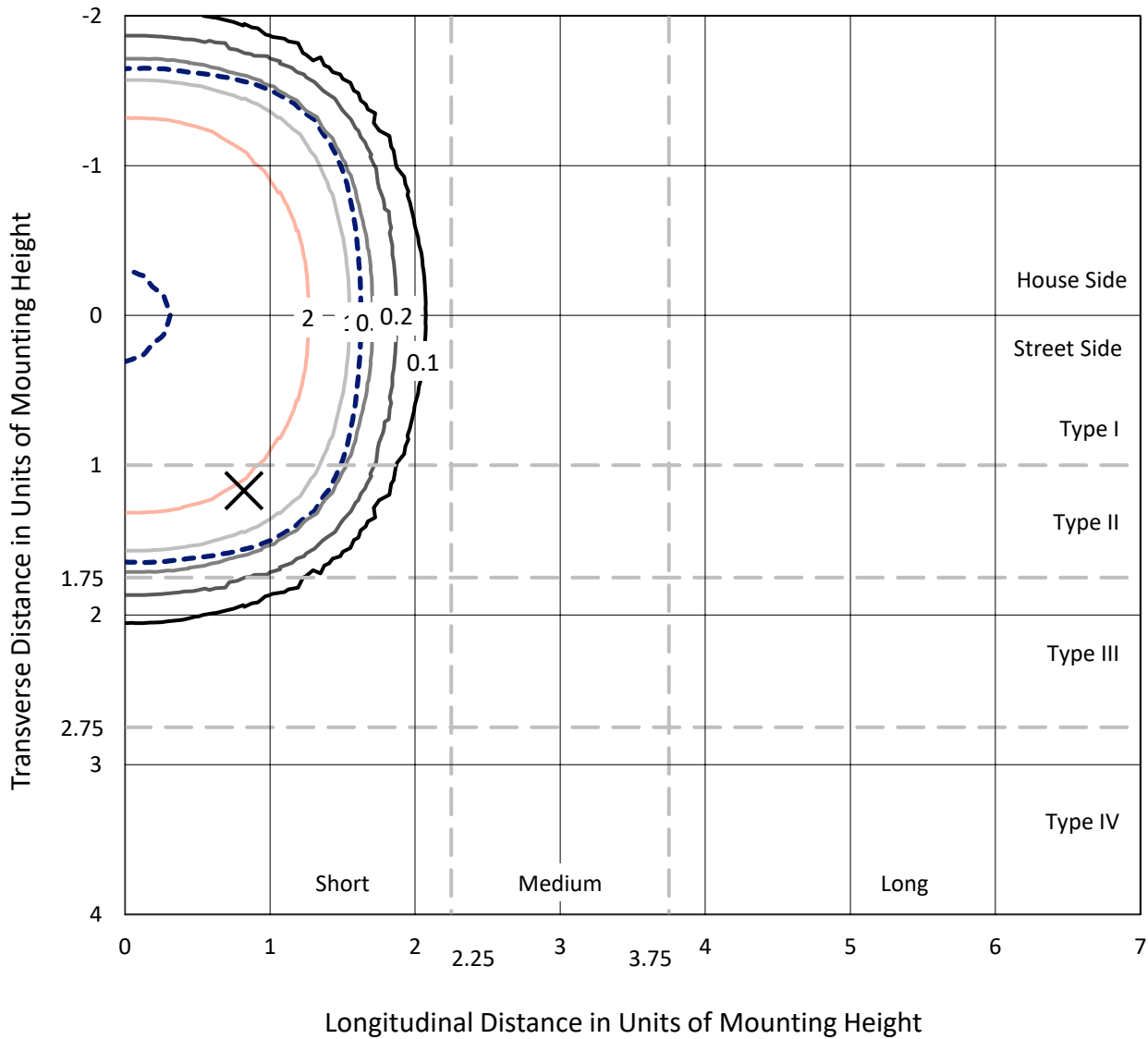
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

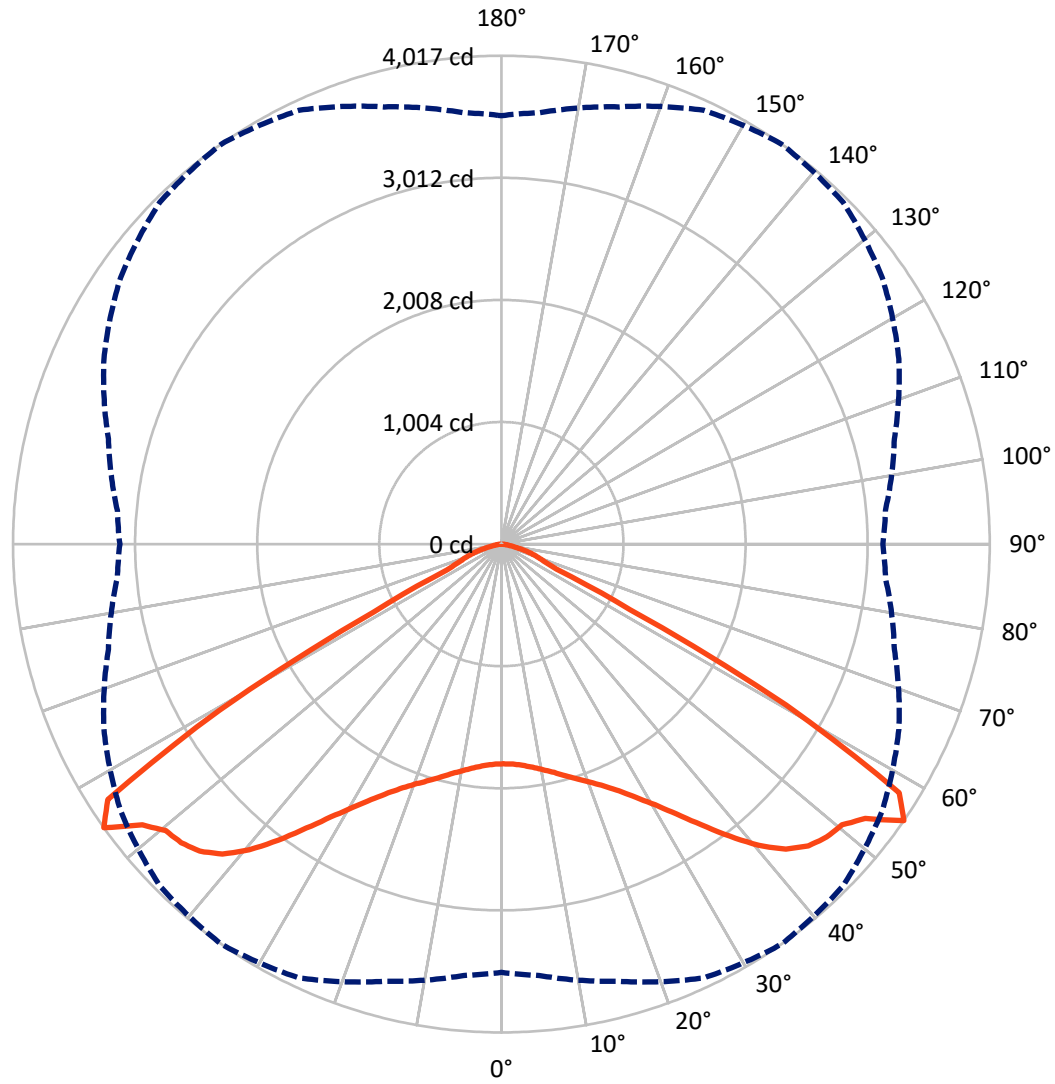
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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	5022.9	0.0	5022.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5022.9	0.0	5022.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10045.8	0.0	10045.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	1.8
10°-20°	561.2	5.6
20°-30°	1038.7	10.3
30°-40°	1737.6	17.3
40°-50°	2647.8	26.4
50°-60°	2966.0	29.5
60°-70°	701.8	7.0
70°-80°	189.2	1.9
80°-90°	27.2	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°	10045.8	100.0
0°-180°	10045.8	100.0

Coefficient of Utilization



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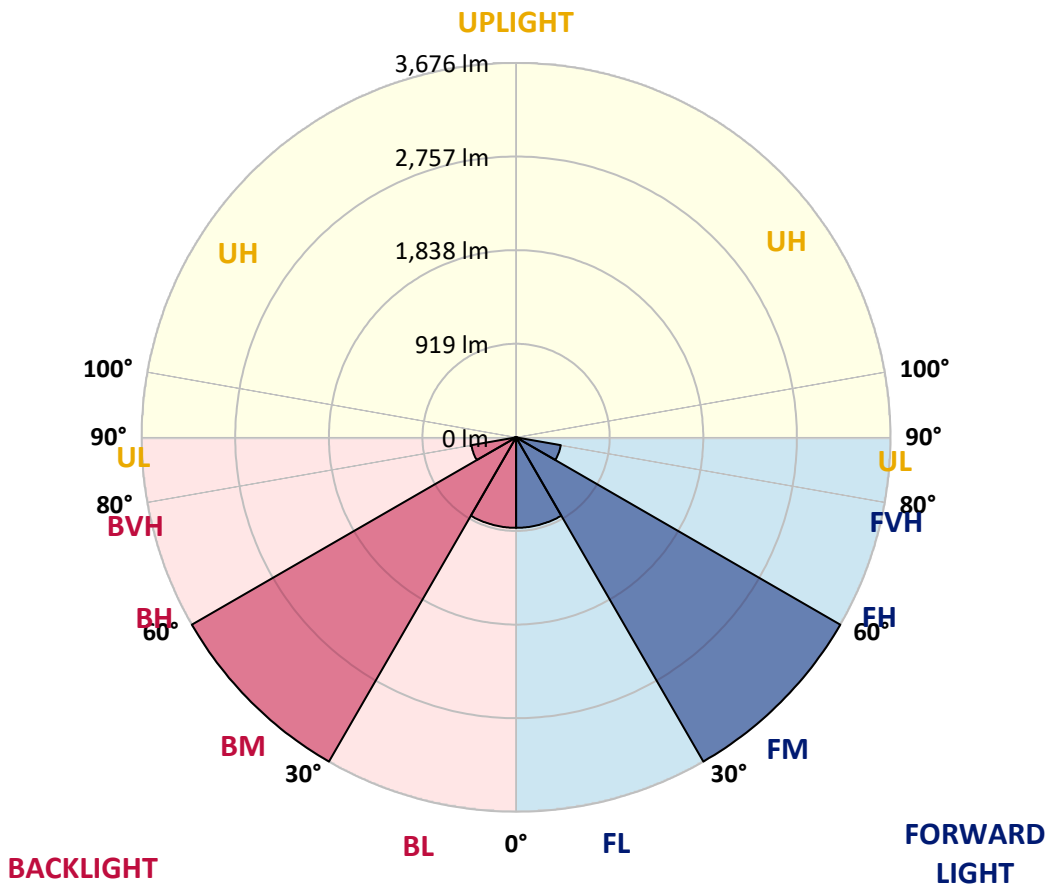
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	888.1	8.8			
FM (30°-60°)	3675.7	36.6			
FH (60°-80°)	445.5	4.4			G0/660
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	888.1	8.8	B2/1000		
BM (30°-60°)	3675.7	36.6	B3/5000		
BH (60°-80°)	445.5	4.4	B1/500		G0/660
BVH (80°-90°)	13.6	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°	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3	1807.3
2.5°	1803.3	1803.3	1806.5	1810.4	1811.2	1819.2	1817.6	1814.4	1812.8	1809.6	1816.8
5°	1823.2	1823.9	1826.3	1828.7	1827.1	1833.5	1831.1	1827.1	1824.7	1820.8	1827.9
7.5°	1849.4	1849.4	1851.8	1854.9	1853.3	1862.9	1858.1	1852.5	1848.6	1843.8	1850.2
10°	1873.2	1874.8	1877.2	1883.5	1886.7	1897.0	1893.9	1885.9	1879.6	1874.0	1881.1
12.5°	1908.9	1910.5	1912.9	1921.7	1927.2	1937.5	1932.8	1921.7	1912.1	1904.2	1912.1
15°	1955.0	1953.4	1959.8	1970.9	1978.1	1987.6	1982.0	1963.0	1950.3	1939.9	1947.9
17.5°	2001.9	2001.1	2007.5	2021.8	2032.1	2044.8	2035.3	2013.0	1999.5	1986.8	1994.7
20°	2052.7	2055.1	2061.5	2075.0	2090.1	2106.8	2098.8	2075.0	2059.9	2045.6	2051.9
22.5°	2115.5	2116.3	2123.4	2140.9	2160.8	2176.7	2171.9	2142.5	2123.4	2108.3	2116.3
25°	2191.0	2190.2	2199.7	2220.4	2248.2	2264.0	2253.7	2221.2	2200.5	2183.0	2189.4
27.5°	2277.6	2276.8	2291.1	2318.1	2357.8	2380.0	2358.6	2318.1	2289.5	2264.8	2270.4
30°	2386.4	2384.0	2399.9	2436.4	2488.1	2525.4	2493.6	2437.2	2399.9	2373.7	2379.2
32.5°	2507.1	2510.3	2530.2	2579.4	2644.6	2693.0	2645.4	2582.6	2532.6	2494.4	2500.8
35°	2639.8	2639.8	2680.3	2741.5	2834.4	2898.8	2824.9	2734.3	2667.6	2615.2	2616.8
37.5°	2787.6	2789.1	2842.4	2926.6	3048.1	3123.6	3023.5	2911.5	2830.5	2774.1	2770.9
40°	2967.9	2972.7	3027.5	3121.2	3257.8	3327.0	3219.7	3110.1	3027.5	2960.7	2954.4
42.5°	3171.3	3172.8	3230.8	3315.0	3430.2	3471.5	3387.3	3297.6	3230.0	3169.7	3163.3
45°	3365.1	3361.1	3411.2	3473.9	3540.7	3544.6	3497.8	3461.2	3402.4	3350.8	3341.3
47.5°	3516.0	3512.8	3558.1	3592.3	3600.2	3561.3	3576.4	3582.0	3513.6	3443.7	3425.5
50°	3608.2	3614.5	3657.4	3676.5	3629.6	3566.1	3623.3	3609.0	3511.3	3419.9	3390.5
52.5°	3663.8	3673.3	3748.0	3796.5	3748.0	3687.6	3695.6	3611.4	3470.7	3350.0	3311.9
55°	3523.2	3561.3	3722.6	3937.1	4016.5	3974.4	3823.5	3606.6	3346.0	3170.5	3137.9
57.5°	2611.2	2671.6	2910.7	3375.4	3858.4	4011.7	3570.8	3023.5	2628.7	2403.1	2384.0
60°	1333.0	1400.5	1592.0	2069.4	2690.6	2906.7	2487.3	1936.0	1538.8	1356.0	1335.4
62.5°	544.2	555.3	618.0	802.3	1189.2	1371.9	1205.1	846.0	635.5	585.5	586.3
65°	428.2	430.6	427.4	438.5	498.1	552.9	510.8	448.8	437.7	443.3	439.3
67.5°	373.4	374.2	371.8	371.8	374.2	371.8	376.5	378.9	380.5	386.9	382.9
70°	312.2	313.0	313.0	314.6	313.8	309.8	317.0	320.1	320.9	324.9	322.5
72.5°	241.5	243.9	245.5	246.3	245.5	243.1	247.1	252.6	251.8	255.8	251.8
75°	163.6	166.8	168.4	171.6	170.8	170.8	175.6	177.9	175.6	178.7	175.6
77.5°	92.9	95.3	100.1	103.3	106.4	108.8	112.0	113.6	112.8	114.4	112.8
80°	54.0	54.8	58.8	60.4	64.3	68.3	71.5	73.1	73.9	74.7	73.9
82.5°	31.0	31.8	33.4	35.0	38.1	41.3	44.5	46.9	46.9	47.7	46.9
85°	15.1	15.1	15.9	16.7	18.3	20.7	23.0	25.4	26.2	26.2	26.2
87.5°	2.4	2.4	3.2	3.2	4.0	4.8	6.4	7.9	8.7	8.7	8.7
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)