

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: P637468

Luminaire Tested: GWS-SA4C-830-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-830-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16117.4 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

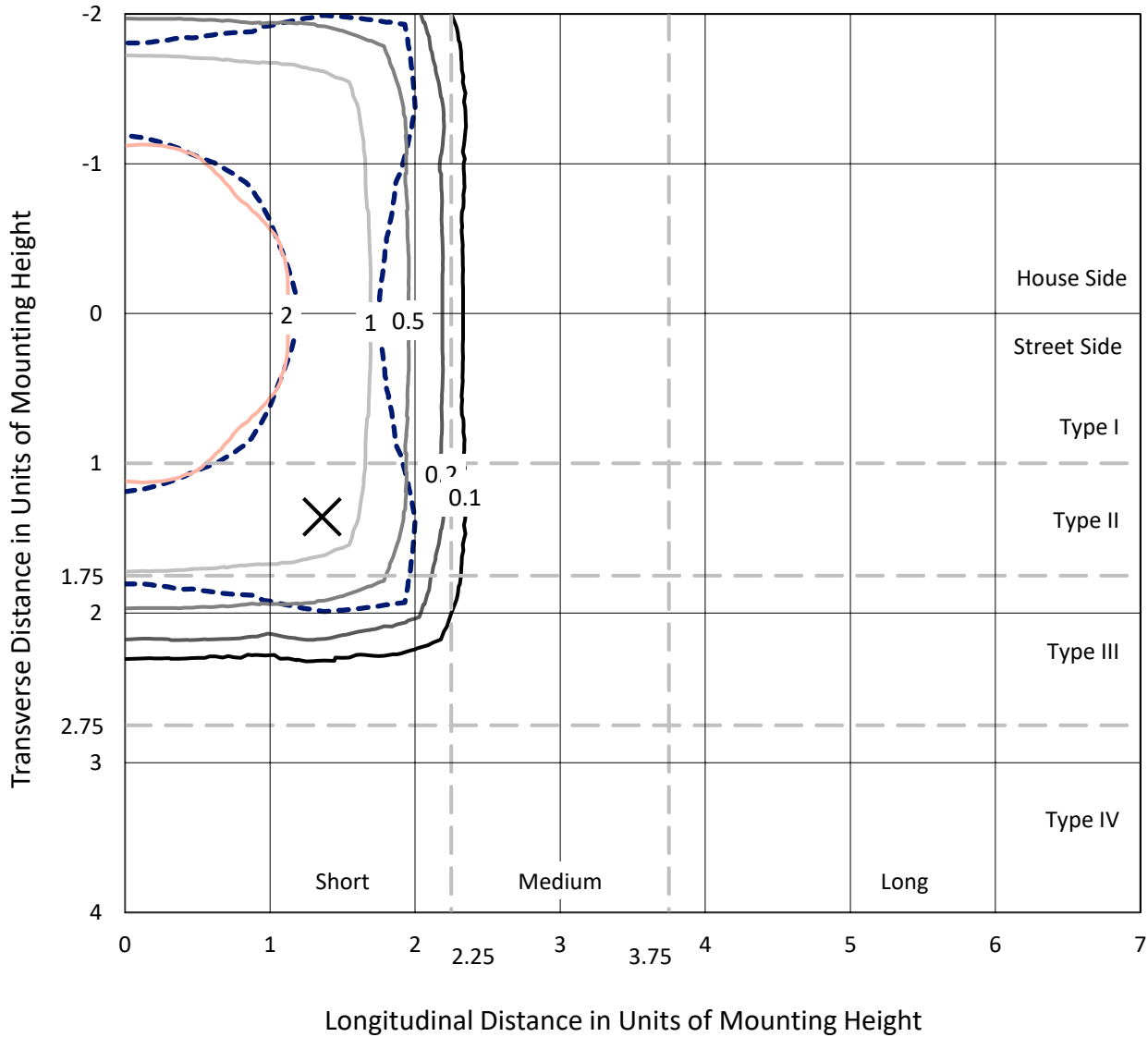
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

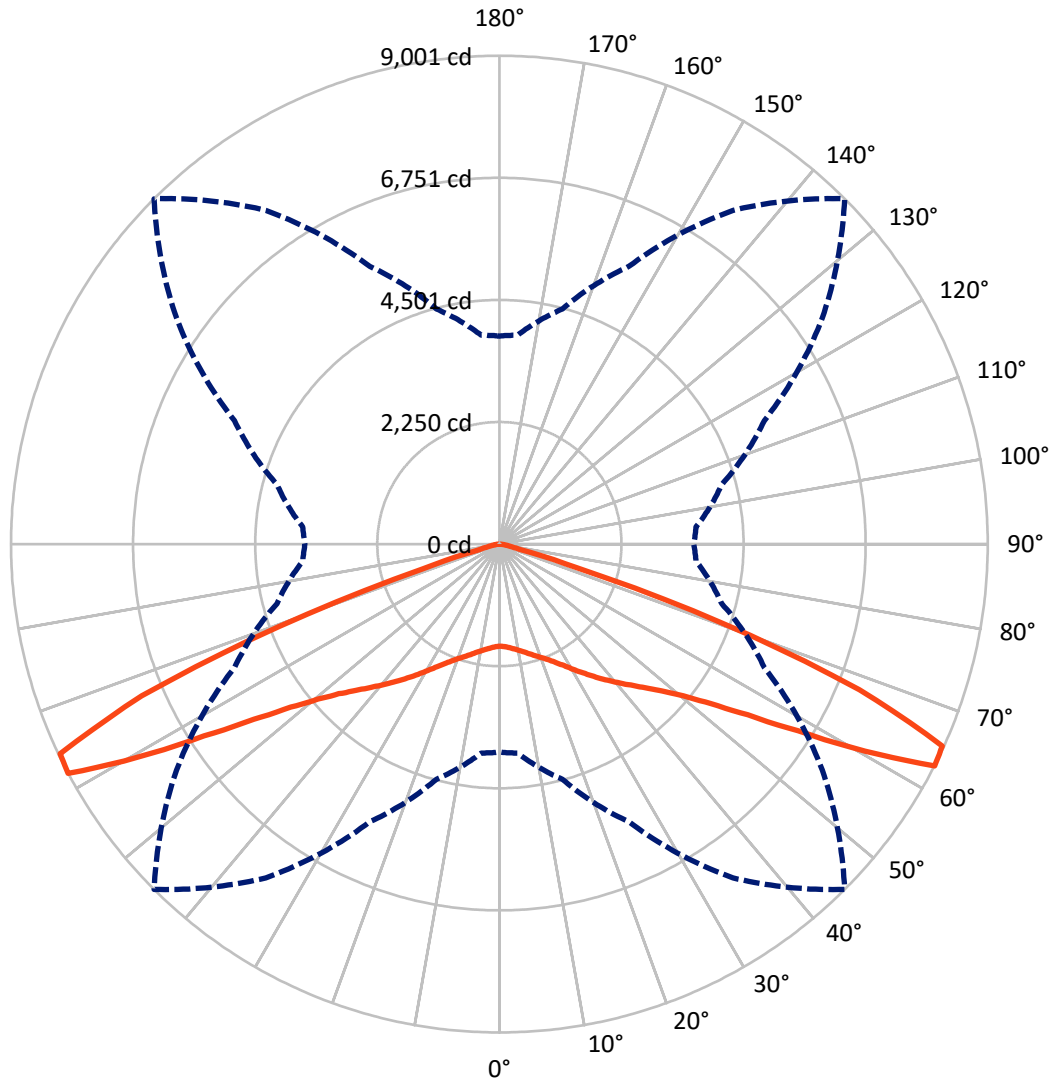
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8058.7	0.0	8058.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8058.7	0.0	8058.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16117.4	0.0	16117.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	1.1
10°-20°	594.9	3.7
20°-30°	1125.5	7.0
30°-40°	1894.4	11.8
40°-50°	3026.8	18.8
50°-60°	4879.0	30.3
60°-70°	3980.7	24.7
70°-80°	386.6	2.4
80°-90°	45.0	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°	16117.4	100.0
0°-180°	16117.4	100.0

Coefficient of Utilization



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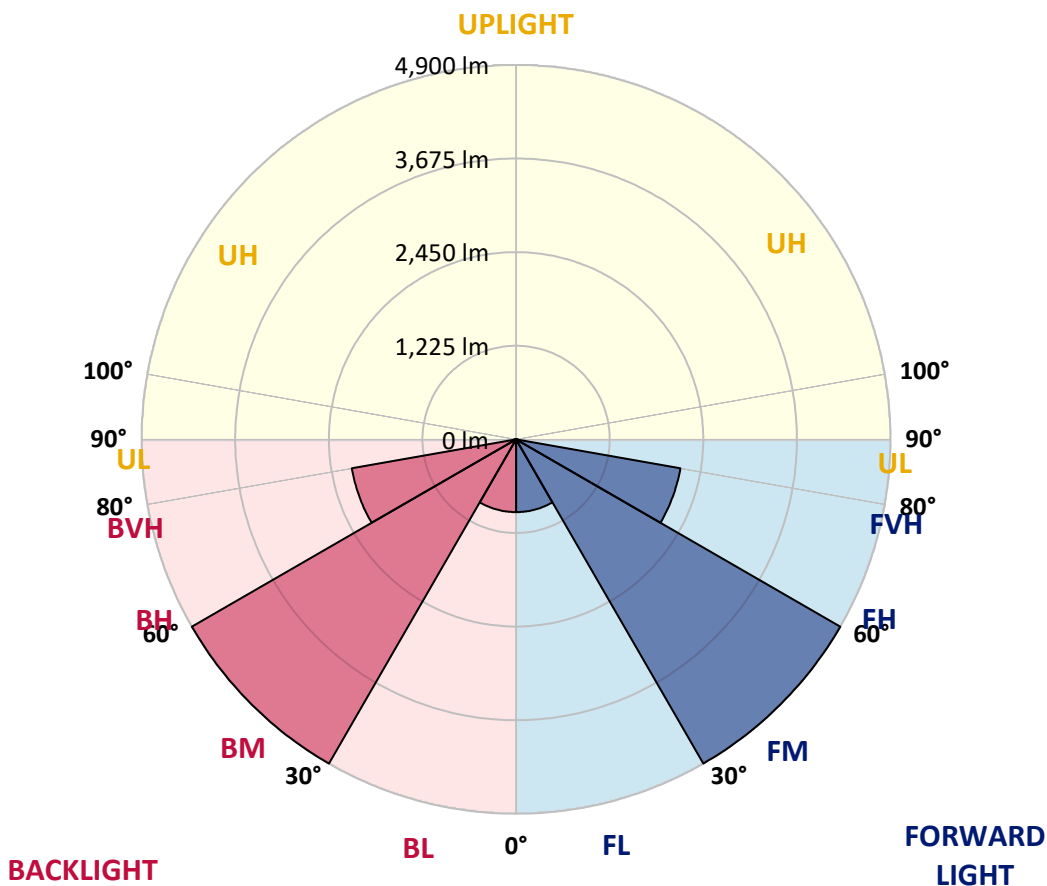
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	952.5	5.9			
FM (30°-60°)	4900.1	30.4			
FH (60°-80°)	2183.6	13.5			G2/5000
FVH (80°-90°)	22.5	0.1			G1/100
BL (0°-30°)	952.5	5.9	B2/1000		
BM (30°-60°)	4900.1	30.4	B3/5000		
BH (60°-80°)	2183.6	13.5	B3/2500		G2/5000
BVH (80°-90°)	22.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1880.3	1880.3	1880.3	1880.3	1880.3	1880.3	1880.3	1880.3	1880.3	1880.3	1880.3
2.5°	1878.1	1878.1	1882.5	1885.8	1883.6	1892.5	1891.4	1889.2	1888.0	1884.7	1894.7
5°	1903.5	1903.5	1906.8	1910.2	1904.6	1915.7	1911.3	1909.1	1907.9	1903.5	1912.4
7.5°	1932.3	1935.6	1936.7	1942.2	1938.9	1951.1	1947.7	1943.3	1941.1	1935.6	1943.3
10°	1964.3	1966.5	1967.6	1977.6	1978.7	1993.1	1989.7	1984.2	1979.8	1974.3	1985.3
12.5°	2007.4	2008.5	2011.9	2024.0	2027.3	2038.4	2037.3	2029.5	2024.0	2016.3	2028.4
15°	2062.7	2063.8	2069.3	2081.5	2087.0	2100.3	2095.9	2083.7	2076.0	2067.1	2077.1
17.5°	2120.2	2124.6	2130.1	2142.3	2150.0	2165.5	2160.0	2146.7	2140.1	2131.2	2137.9
20°	2194.3	2195.4	2198.7	2211.9	2217.5	2235.2	2236.3	2223.0	2219.7	2210.8	2220.8
22.5°	2276.1	2277.2	2280.5	2294.8	2304.8	2315.8	2322.5	2314.7	2309.2	2298.2	2310.3
25°	2366.7	2377.7	2381.1	2398.8	2409.8	2416.4	2424.2	2420.9	2413.1	2399.9	2405.4
27.5°	2493.8	2496.0	2501.6	2521.5	2528.1	2534.7	2542.5	2543.6	2532.5	2517.0	2524.8
30°	2638.6	2637.5	2649.7	2665.2	2670.7	2676.2	2687.3	2693.9	2679.5	2662.9	2670.7
32.5°	2786.8	2800.0	2815.5	2829.9	2826.5	2828.8	2846.4	2858.6	2838.7	2808.9	2815.5
35°	2953.7	2962.5	2982.4	3003.4	2999.0	2995.7	3006.7	3018.9	2991.3	2952.6	2962.5
37.5°	3125.0	3138.3	3168.1	3193.5	3186.9	3171.4	3183.6	3196.9	3170.3	3126.1	3121.7
40°	3316.2	3337.2	3380.4	3401.4	3383.7	3353.8	3374.8	3406.9	3380.4	3329.5	3317.4
42.5°	3540.6	3566.1	3609.2	3641.2	3602.5	3553.9	3589.3	3635.7	3629.1	3561.6	3540.6
45°	3818.1	3834.7	3887.7	3903.2	3845.7	3778.3	3842.4	3913.2	3896.6	3823.6	3796.0
47.5°	4119.9	4145.3	4191.7	4220.5	4127.6	4043.6	4133.1	4228.2	4210.5	4142.0	4109.9
50°	4504.6	4537.7	4598.5	4622.8	4494.6	4398.4	4513.4	4633.9	4599.6	4507.9	4465.9
52.5°	4923.5	4950.1	5054.0	5102.6	4982.1	4878.2	4978.8	5097.1	5024.1	4902.5	4846.1
55°	5292.7	5319.3	5471.8	5633.2	5627.7	5555.8	5606.7	5608.9	5411.0	5209.8	5150.1
57.5°	5372.3	5398.9	5689.6	6111.8	6410.3	6493.2	6344.0	6030.0	5531.5	5178.9	5111.4
60°	4947.8	4977.7	5439.8	6211.3	7192.9	7746.8	7059.2	6021.2	5159.0	4681.4	4617.3
62.5°	3833.6	3865.6	4486.9	5645.4	7509.1	9001.4	7267.0	5387.8	4243.7	3639.0	3582.7
65°	1830.6	1830.6	2619.8	4049.1	6879.0	8971.6	6665.7	3986.1	2554.6	1962.1	1913.5
67.5°	453.2	455.4	674.3	1576.3	4679.2	7159.8	4755.5	1913.5	899.8	636.7	620.1
70°	283.0	281.9	312.8	426.7	1637.1	4345.4	1944.4	577.0	365.9	322.8	320.6
72.5°	220.0	220.0	235.5	273.0	428.9	1480.2	567.1	320.6	265.3	238.8	238.8
75°	173.6	173.6	184.6	204.5	253.1	381.4	301.8	237.7	205.6	187.9	185.7
77.5°	129.3	131.5	140.4	153.7	172.4	214.5	191.2	179.1	160.3	147.0	142.6
80°	84.0	87.3	98.4	106.1	112.8	141.5	124.9	130.4	121.6	106.1	103.9
82.5°	45.3	46.4	59.7	61.9	64.1	77.4	79.6	82.9	86.2	67.4	63.0
85°	16.6	16.6	19.9	23.2	25.4	27.6	37.6	46.4	48.6	38.7	37.6
87.5°	3.3	3.3	3.3	2.2	2.2	2.2	6.6	12.2	19.9	15.5	15.5
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)