

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: P636808

Luminaire Tested: GWS-SA4B-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636808
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-SA4B-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15475.2 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

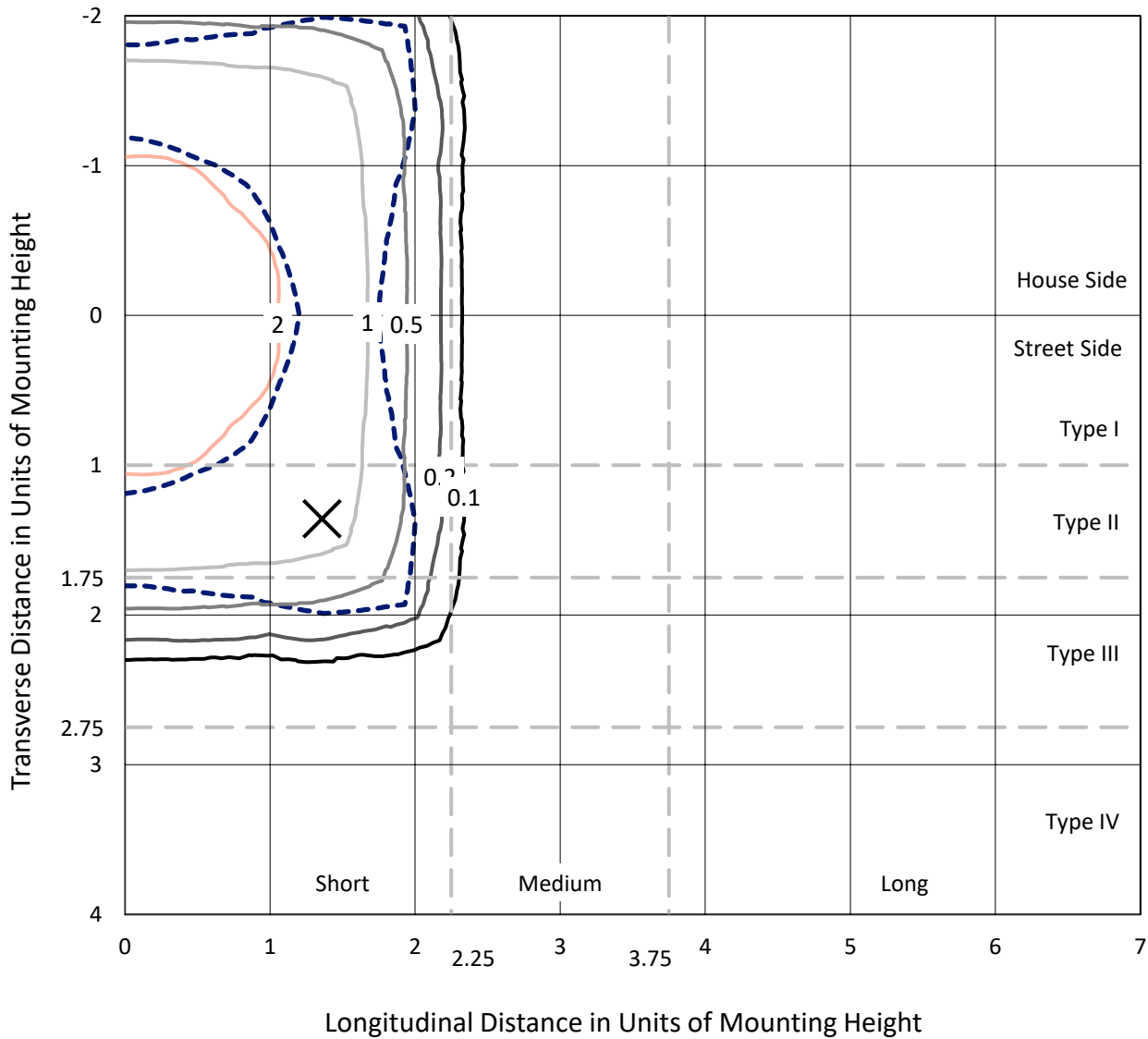
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

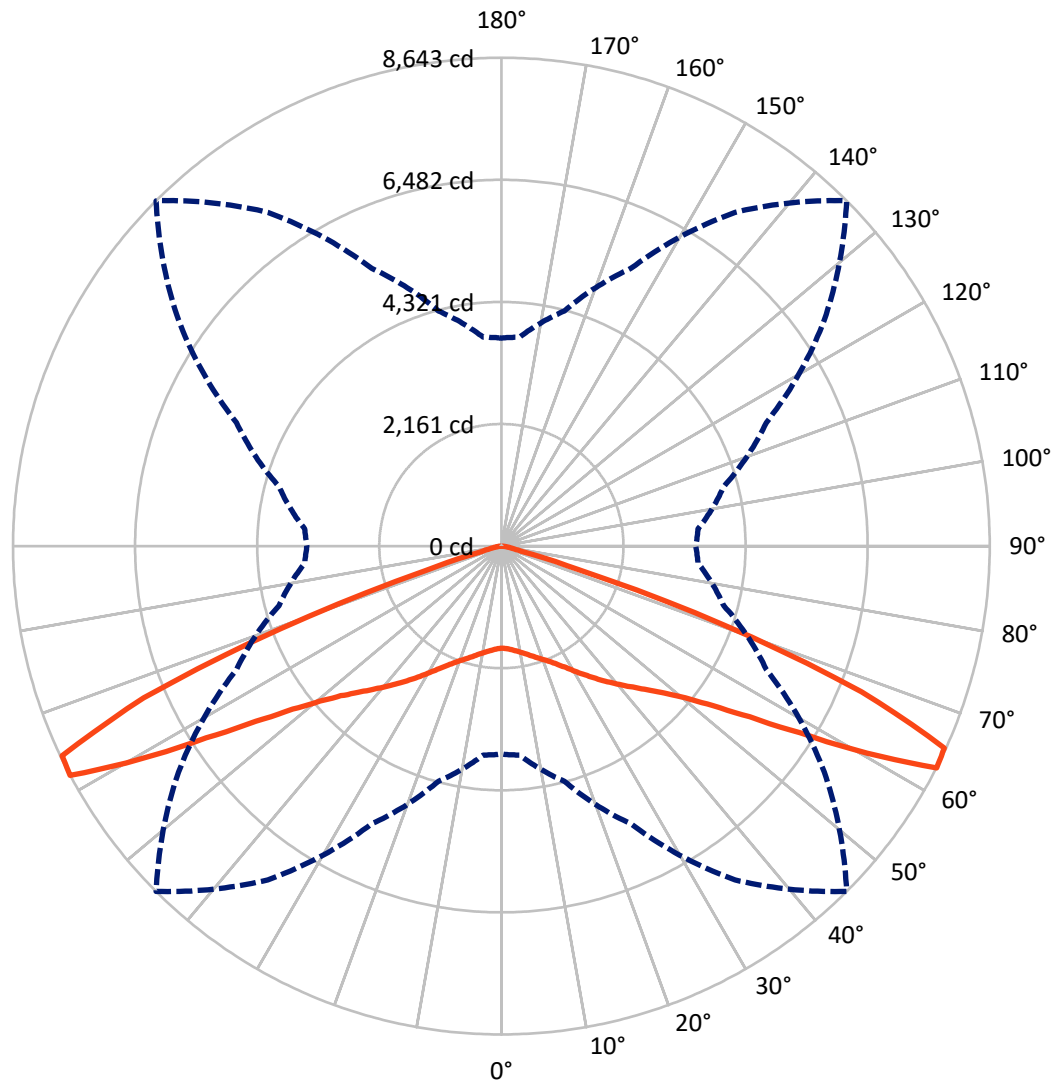
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	7737.6	0.0	7737.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7737.6	0.0	7737.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15475.2	0.0	15475.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	1.1
10°-20°	571.2	3.7
20°-30°	1080.7	7.0
30°-40°	1819.0	11.8
40°-50°	2906.2	18.8
50°-60°	4684.6	30.3
60°-70°	3822.1	24.7
70°-80°	371.2	2.4
80°-90°	43.2	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°	15475.2	100.0
0°-180°	15475.2	100.0

Coefficient of Utilization



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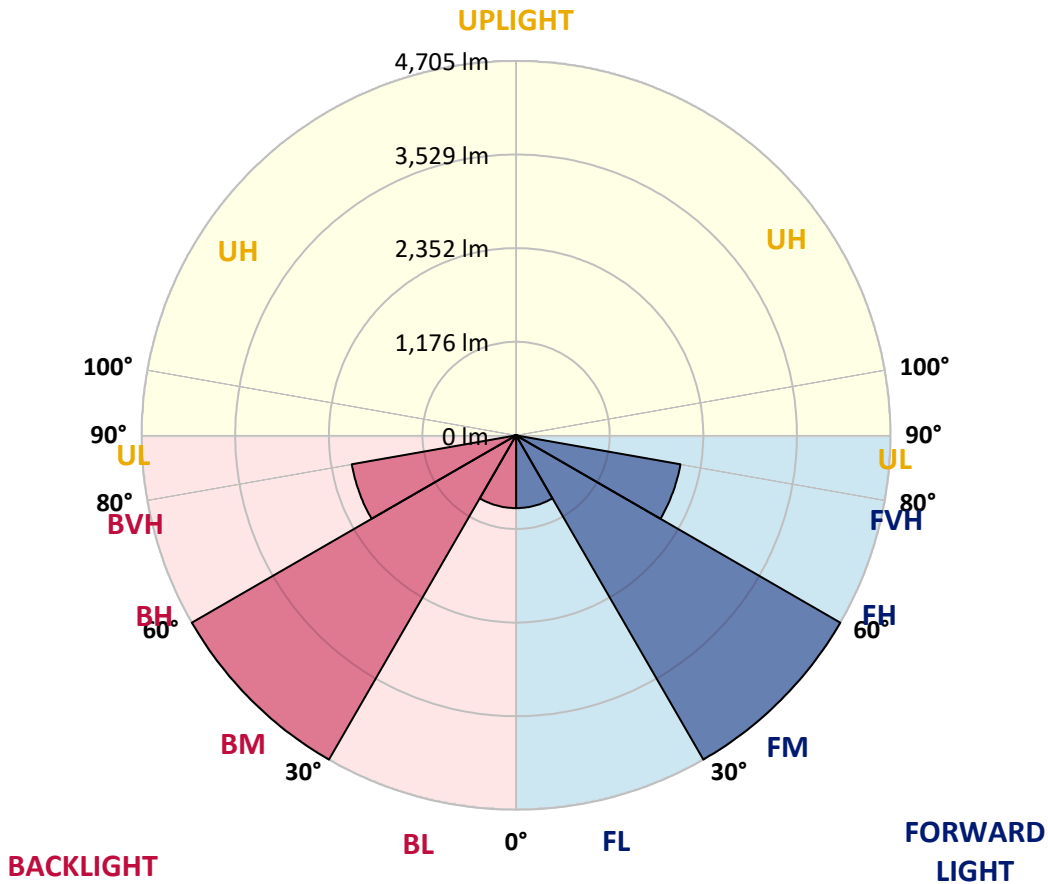
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	914.5	5.9			
FM (30°-60°)	4704.9	30.4			
FH (60°-80°)	2096.6	13.5			G2/5000
FVH (80°-90°)	21.6	0.1			G1/100
BL (0°-30°)	914.5	5.9	B2/1000		
BM (30°-60°)	4704.9	30.4	B3/5000		
BH (60°-80°)	2096.6	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.6	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1805.4	1805.4	1805.4	1805.4	1805.4	1805.4	1805.4	1805.4	1805.4	1805.4	1805.4
2.5°	1803.3	1803.3	1807.5	1810.7	1808.6	1817.1	1816.0	1813.9	1812.8	1809.6	1819.2
5°	1827.7	1827.7	1830.9	1834.0	1828.7	1839.4	1835.1	1833.0	1831.9	1827.7	1836.2
7.5°	1855.3	1858.5	1859.5	1864.8	1861.6	1873.3	1870.1	1865.9	1863.8	1858.5	1865.9
10°	1886.1	1888.2	1889.2	1898.8	1899.9	1913.7	1910.5	1905.2	1900.9	1895.6	1906.2
12.5°	1927.4	1928.5	1931.7	1943.4	1946.6	1957.2	1956.1	1948.7	1943.4	1935.9	1947.6
15°	1980.5	1981.6	1986.9	1998.6	2003.9	2016.6	2012.4	2000.7	1993.3	1984.8	1994.3
17.5°	2035.7	2040.0	2045.3	2056.9	2064.4	2079.2	2073.9	2061.2	2054.8	2046.3	2052.7
20°	2106.8	2107.9	2111.1	2123.8	2129.1	2146.1	2147.2	2134.4	2131.2	2122.7	2132.3
22.5°	2185.4	2186.4	2189.6	2203.4	2213.0	2223.6	2229.9	2222.5	2217.2	2206.6	2218.3
25°	2272.4	2283.0	2286.2	2303.2	2313.8	2320.2	2327.6	2324.4	2317.0	2304.2	2309.5
27.5°	2394.5	2396.6	2401.9	2421.0	2427.4	2433.7	2441.2	2442.2	2431.6	2416.7	2424.2
30°	2533.5	2532.4	2544.1	2559.0	2564.3	2569.6	2580.2	2586.6	2572.8	2556.8	2564.3
32.5°	2675.7	2688.5	2703.3	2717.1	2713.9	2716.0	2733.0	2744.7	2725.6	2696.9	2703.3
35°	2836.0	2844.5	2863.6	2883.7	2879.5	2876.3	2886.9	2898.6	2872.1	2834.9	2844.5
37.5°	3000.5	3013.2	3041.9	3066.3	3059.9	3045.1	3056.7	3069.5	3044.0	3001.6	2997.3
40°	3184.1	3204.3	3245.7	3265.8	3248.9	3220.2	3240.4	3271.1	3245.7	3196.8	3185.2
42.5°	3399.6	3424.0	3465.4	3496.2	3459.0	3412.3	3446.3	3490.8	3484.5	3419.7	3399.6
45°	3666.0	3681.9	3732.8	3747.7	3692.5	3627.8	3689.3	3757.3	3741.3	3671.3	3644.7
47.5°	3955.7	3980.1	4024.7	4052.3	3963.2	3882.5	3968.5	4059.7	4042.8	3977.0	3946.2
50°	4325.1	4356.9	4415.3	4438.7	4315.5	4223.2	4333.6	4449.3	4416.4	4328.3	4287.9
52.5°	4727.3	4752.8	4852.6	4899.3	4783.6	4683.8	4780.4	4894.0	4823.9	4707.2	4653.0
55°	5081.8	5107.3	5253.8	5408.7	5403.4	5334.4	5383.3	5385.4	5195.4	5002.2	4944.9
57.5°	5158.3	5183.7	5462.9	5868.3	6154.9	6234.5	6091.2	5789.8	5311.1	4972.5	4907.8
60°	4750.7	4779.4	5223.0	5963.8	6906.3	7438.1	6777.9	5781.3	4953.4	4494.9	4433.3
62.5°	3680.8	3711.6	4308.1	5420.4	7209.9	8642.7	6977.4	5173.1	4074.6	3494.0	3439.9
65°	1757.6	1757.6	2515.4	3887.8	6604.9	8614.1	6400.1	3827.3	2452.8	1883.9	1837.2
67.5°	435.2	437.3	647.4	1513.5	4492.8	6874.5	4566.0	1837.2	864.0	611.3	595.4
70°	271.7	270.6	300.4	409.7	1571.9	4172.2	1867.0	554.0	351.3	309.9	307.8
72.5°	211.2	211.2	226.1	262.2	411.8	1421.2	544.5	307.8	254.7	229.3	229.3
75°	166.6	166.6	177.2	196.4	243.1	366.2	289.8	228.2	197.4	180.4	178.3
77.5°	124.2	126.3	134.8	147.5	165.6	205.9	183.6	171.9	153.9	141.2	136.9
80°	80.7	83.8	94.5	101.9	108.3	135.9	119.9	125.2	116.8	101.9	99.8
82.5°	43.5	44.6	57.3	59.4	61.6	74.3	76.4	79.6	82.8	64.7	60.5
85°	15.9	15.9	19.1	22.3	24.4	26.5	36.1	44.6	46.7	37.1	36.1
87.5°	3.2	3.2	3.2	2.1	2.1	2.1	6.4	11.7	19.1	14.9	14.9
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)