

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: P637301

Luminaire Tested: GWS-SA4C-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13972.6 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

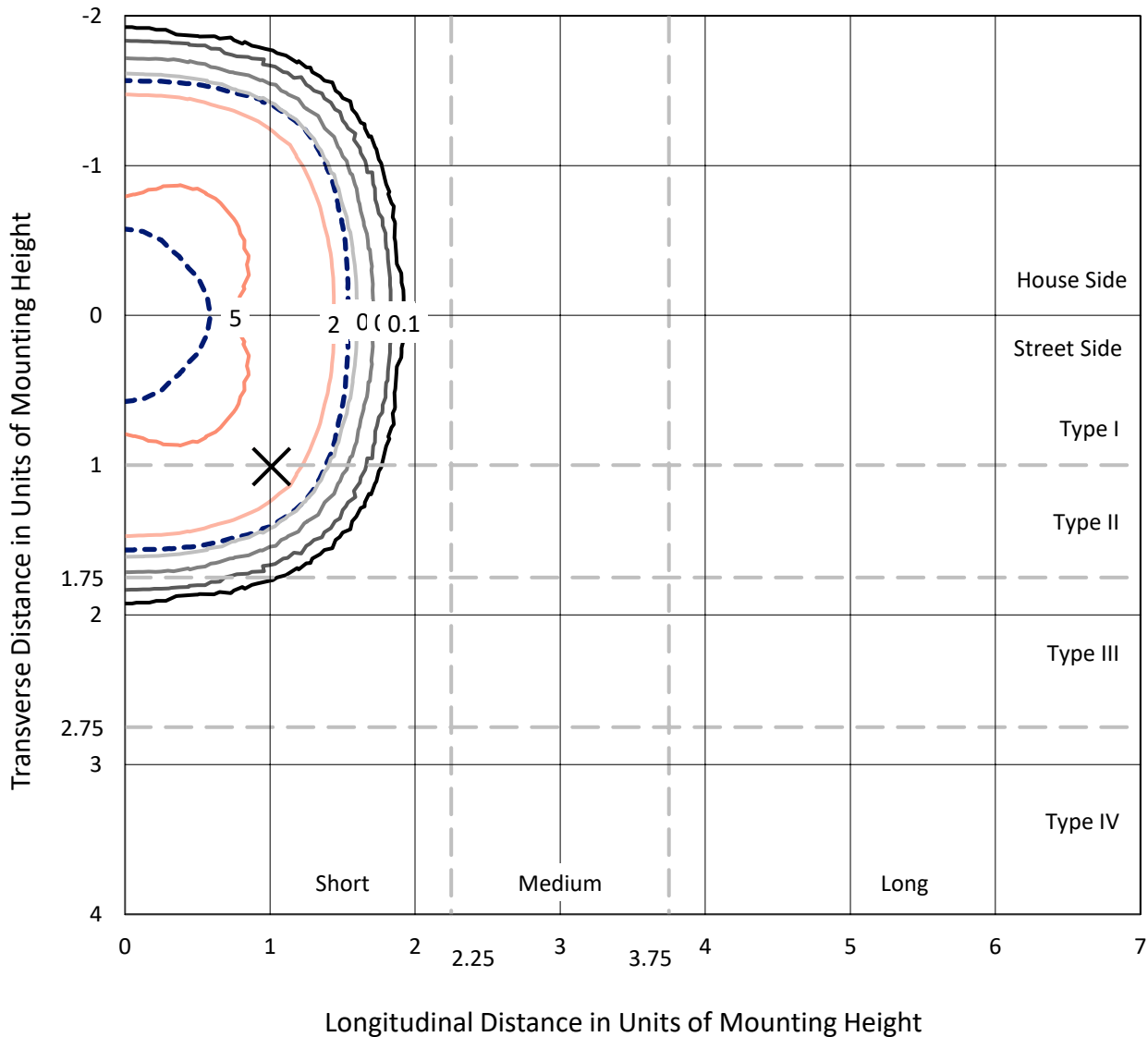


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Iso-Footcandle Lines of Horizontal Illumination

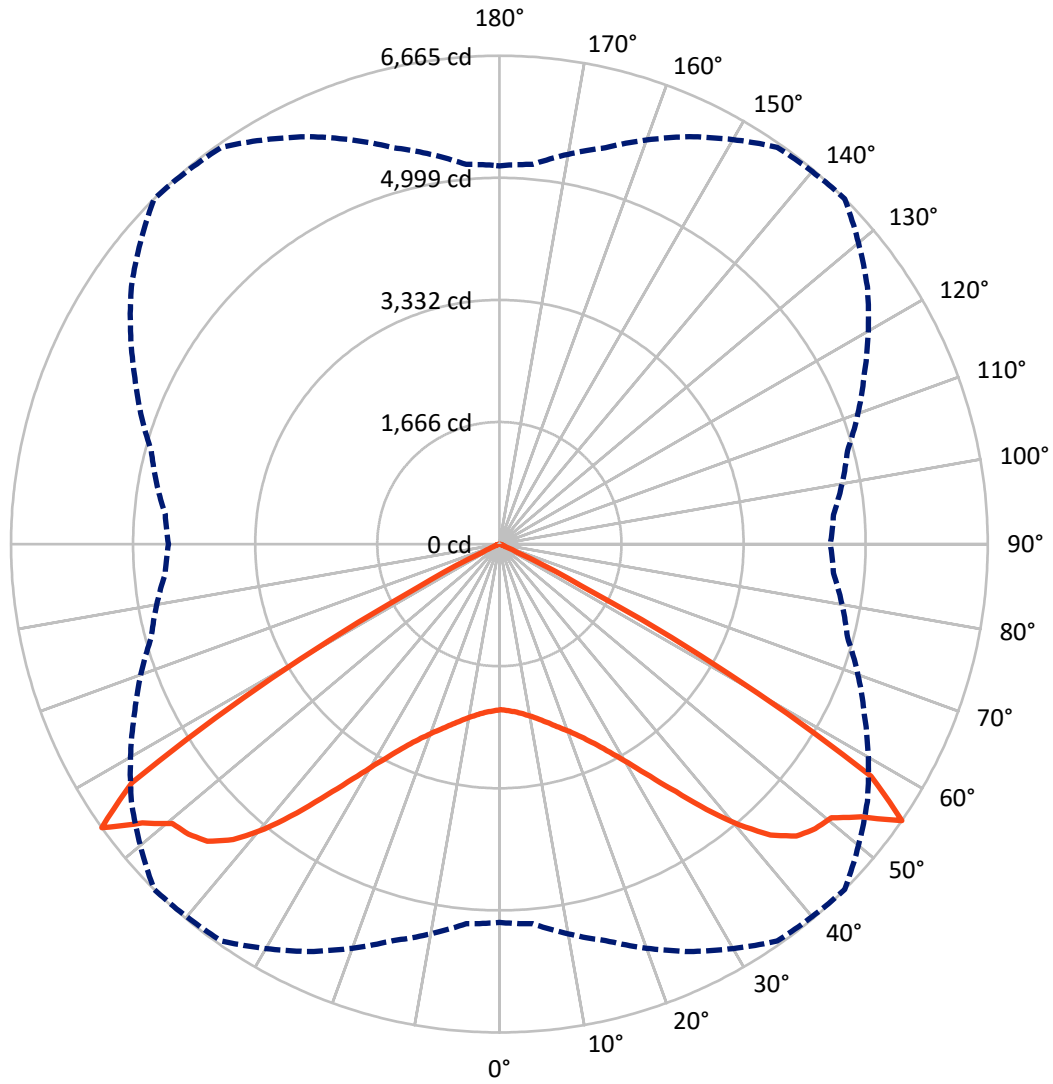
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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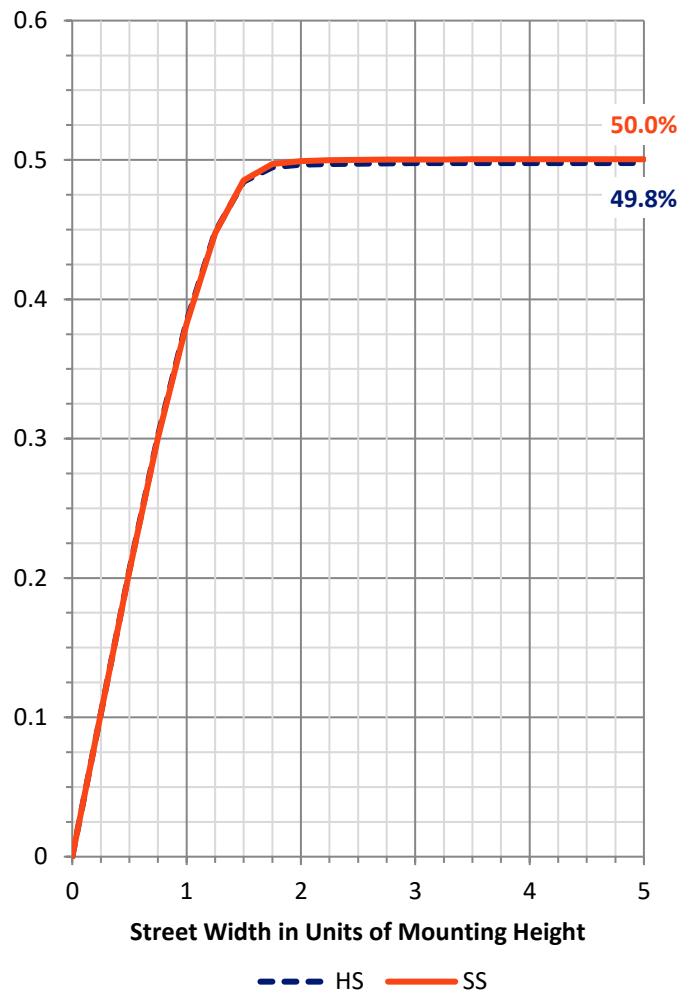
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6986.3	0.0	6986.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6986.3	0.0	6986.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13972.6	0.0	13972.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	1.6
10°-20°	717.5	5.1
20°-30°	1389.5	9.9
30°-40°	2489.4	17.8
40°-50°	4173.6	29.9
50°-60°	4467.7	32.0
60°-70°	490.9	3.5
70°-80°	21.6	0.2
80°-90°	1.0	0.0
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°	13972.6	100.0
0°-180°	13972.6	100.0

Coefficient of Utilization



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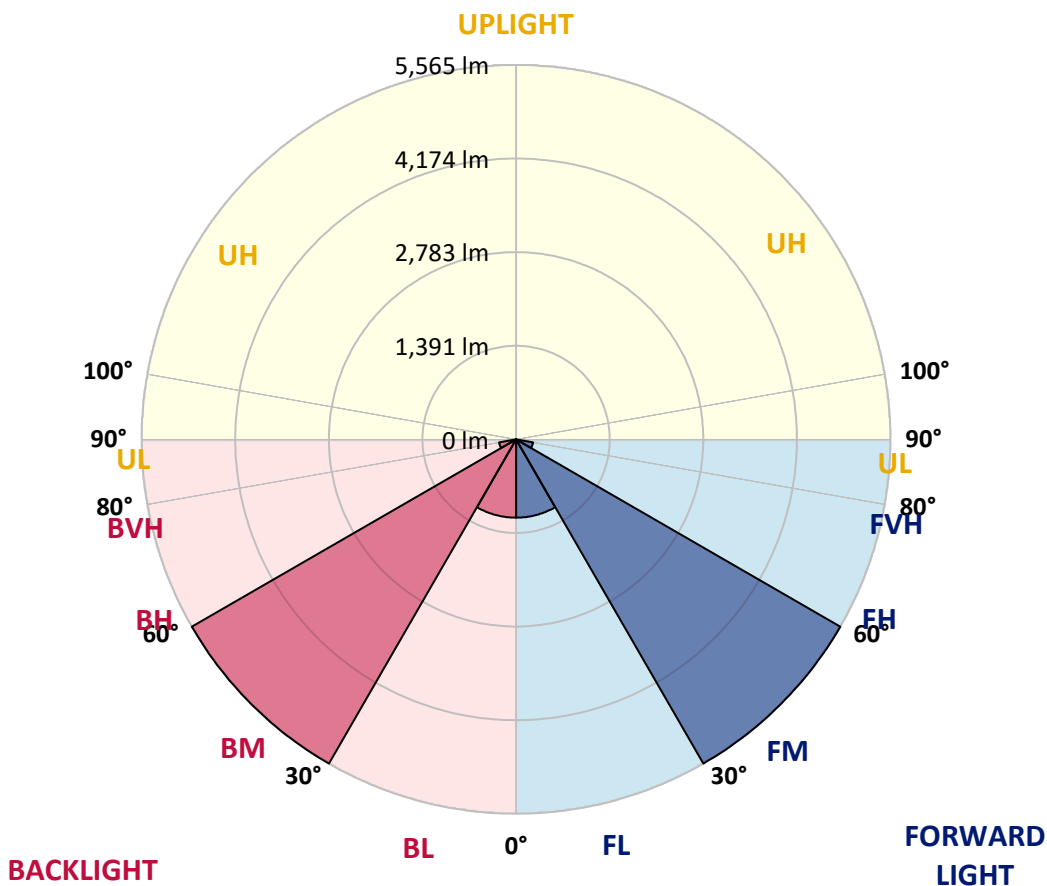
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1164.2	8.3			
FM (30°-60°)	5565.3	39.8			
FH (60°-80°)	256.3	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1164.2	8.3	B3/2500		
BM (30°-60°)	5565.3	39.8	B4/8500		
BH (60°-80°)	256.3	1.8	B1/500		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2259.1	2259.1	2259.1	2259.1	2259.1	2259.1	2259.1	2259.1	2259.1	2259.1	2259.1
2.5°	2254.8	2254.8	2260.5	2264.8	2264.8	2276.2	2271.9	2267.6	2267.6	2261.9	2273.3
5°	2287.6	2286.1	2291.8	2294.7	2289.0	2300.4	2293.3	2289.0	2286.1	2280.5	2291.8
7.5°	2323.2	2324.6	2326.0	2331.7	2328.9	2340.2	2334.5	2326.0	2323.2	2314.6	2326.0
10°	2365.9	2365.9	2368.7	2375.8	2377.3	2391.5	2385.8	2375.8	2367.3	2358.7	2370.1
12.5°	2420.0	2421.4	2425.7	2435.6	2441.3	2457.0	2448.4	2428.5	2415.7	2405.7	2418.5
15°	2498.2	2496.8	2502.5	2516.8	2523.9	2535.3	2522.4	2495.4	2479.7	2468.4	2476.9
17.5°	2583.7	2583.7	2586.5	2600.7	2610.7	2627.8	2612.1	2579.4	2565.2	2549.5	2558.0
20°	2677.6	2681.9	2684.7	2694.7	2711.8	2728.9	2716.0	2683.3	2667.6	2647.7	2657.7
22.5°	2801.5	2797.2	2798.6	2815.7	2839.9	2857.0	2847.0	2808.6	2781.5	2765.9	2771.6
25°	2939.5	2938.1	2942.4	2968.0	2995.1	3013.6	2999.3	2949.5	2922.5	2895.4	2906.8
27.5°	3108.9	3110.4	3113.2	3144.5	3187.2	3214.3	3178.7	3128.9	3091.8	3056.3	3064.8
30°	3309.6	3306.8	3315.3	3358.0	3420.7	3463.4	3422.1	3352.4	3299.7	3265.5	3269.8
32.5°	3523.2	3526.0	3548.8	3617.1	3699.7	3775.1	3691.1	3598.6	3530.3	3466.2	3474.8
35°	3753.8	3760.9	3812.1	3913.2	4048.4	4149.5	4032.8	3880.5	3783.7	3701.1	3704.0
37.5°	4025.7	4042.8	4113.9	4264.8	4458.4	4593.6	4422.8	4220.7	4095.4	3992.9	3985.8
40°	4383.0	4402.9	4499.7	4679.1	4913.9	5037.8	4839.9	4632.1	4476.9	4365.9	4348.8
42.5°	4792.9	4818.6	4923.9	5107.5	5342.4	5426.4	5232.8	5057.7	4918.2	4787.2	4781.5
45°	5255.6	5269.8	5355.2	5496.1	5665.5	5685.5	5540.3	5443.5	5302.6	5180.1	5170.2
47.5°	5689.7	5704.0	5762.3	5834.9	5874.8	5803.6	5778.0	5735.3	5553.1	5402.2	5370.9
50°	6020.0	6031.4	6104.0	6132.5	6021.4	5870.5	5920.4	5829.2	5631.4	5462.0	5413.6
52.5°	5997.2	6025.7	6212.2	6374.4	6304.7	6182.3	6048.5	5852.0	5544.5	5312.5	5252.7
55°	5163.0	5201.5	5601.5	6135.3	6612.2	6664.8	6129.6	5496.1	4918.2	4578.0	4516.8
57.5°	3318.2	3328.2	3816.4	4565.2	5639.9	5978.7	5083.3	4143.8	3424.9	3050.6	3024.9
60°	1219.9	1200.0	1568.7	2189.3	3248.4	3607.2	2992.2	2095.4	1494.7	1229.9	1208.6
62.5°	293.2	296.1	367.3	550.9	1019.2	1261.2	996.5	556.6	354.5	297.5	294.7
65°	148.0	145.2	146.6	158.0	217.8	260.5	213.5	150.9	145.2	146.6	145.2
67.5°	95.4	94.0	96.8	98.2	96.8	91.1	89.7	92.5	92.5	94.0	91.1
70°	58.4	56.9	59.8	64.1	61.2	54.1	56.9	59.8	56.9	55.5	55.5
72.5°	31.3	31.3	34.2	37.0	34.2	31.3	31.3	32.7	31.3	31.3	31.3
75°	14.2	14.2	15.7	17.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2
77.5°	4.3	4.3	5.7	5.7	4.3	4.3	4.3	4.3	5.7	5.7	5.7
80°	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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)