

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: P637356

Luminaire Tested: GWS-SA4C-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637356
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13781.1 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

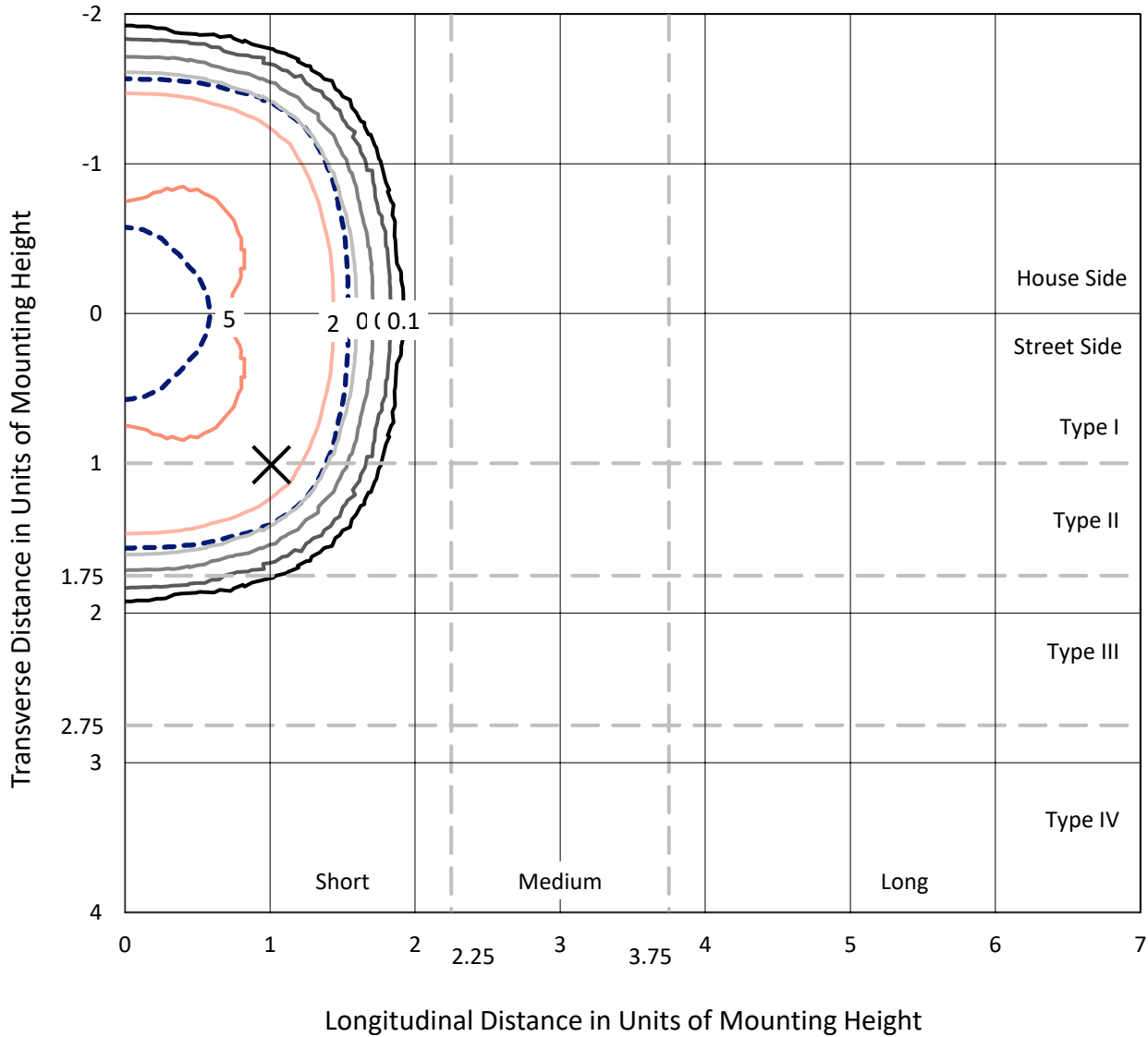
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

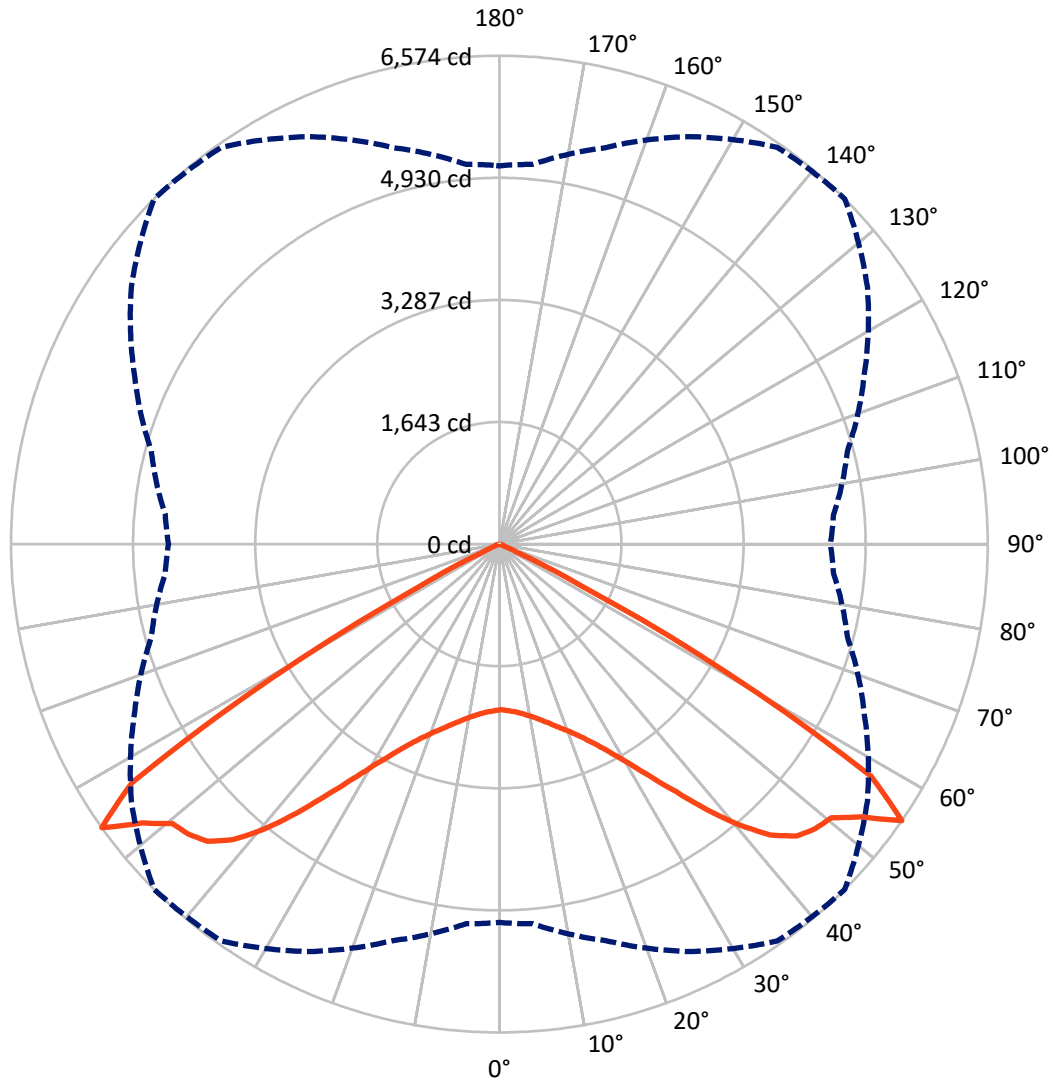
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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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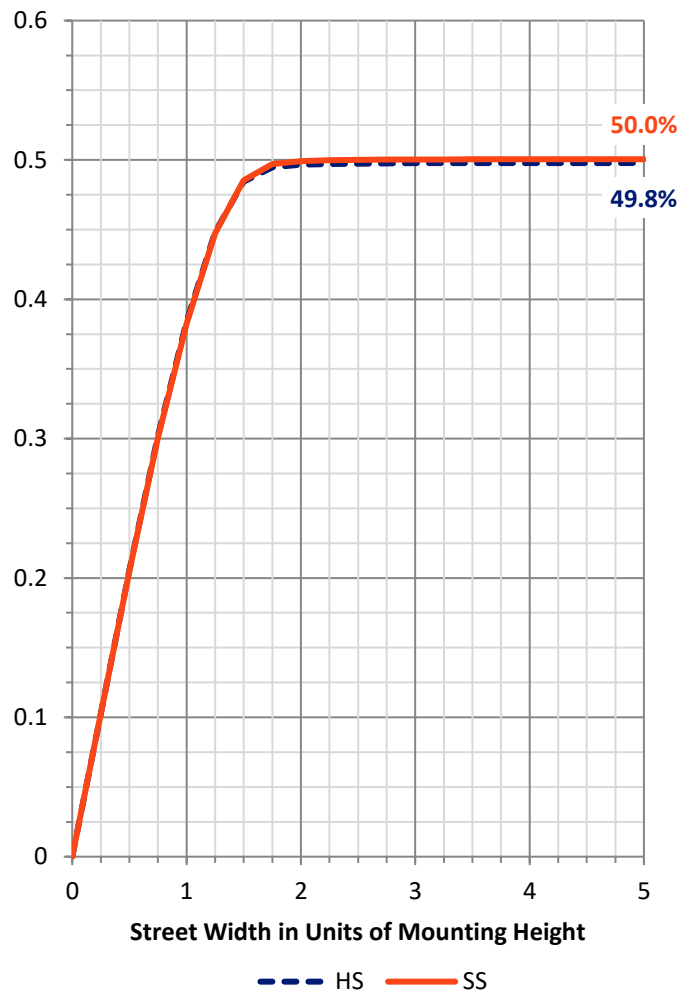
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6890.5	0.0	6890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6890.5	0.0	6890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13781.1	0.0	13781.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.6
10°-20°	707.6	5.1
20°-30°	1370.5	9.9
30°-40°	2455.3	17.8
40°-50°	4116.4	29.9
50°-60°	4406.4	32.0
60°-70°	484.2	3.5
70°-80°	21.3	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°	13781.1	100.0
0°-180°	13781.1	100.0

Coefficient of Utilization



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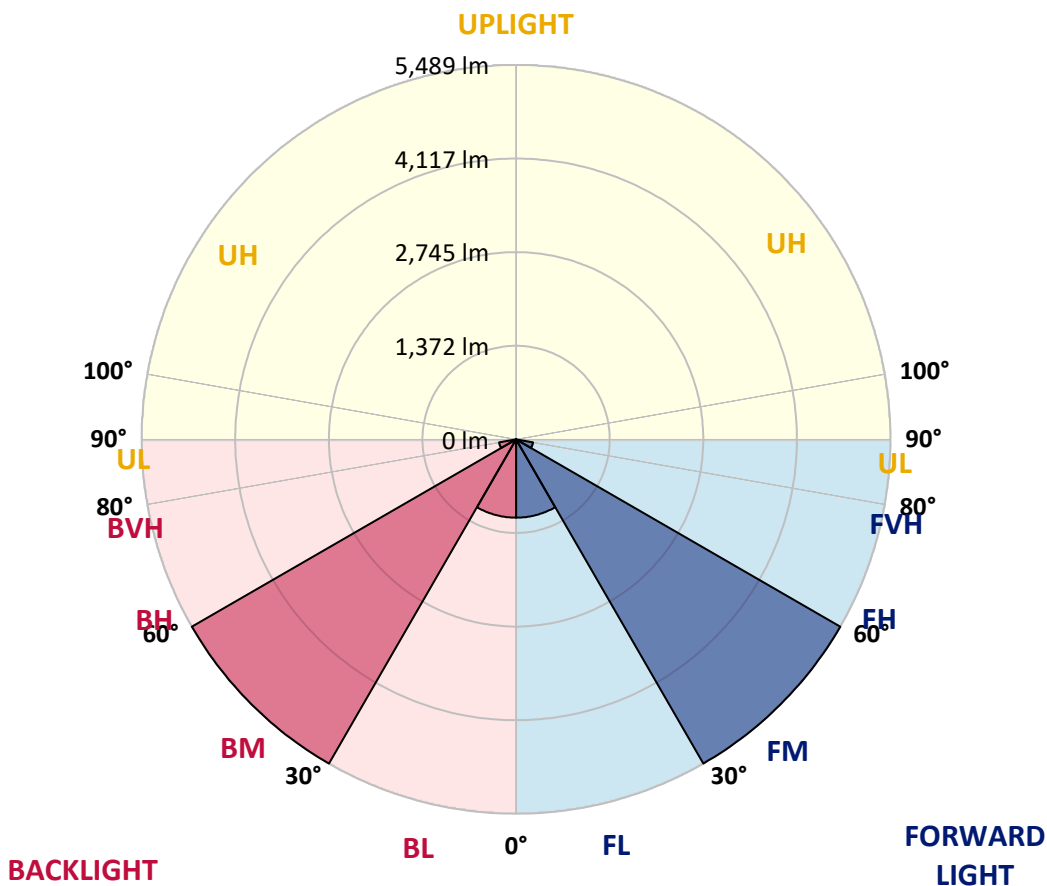
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.2	8.3			
FM (30°-60°)	5489.1	39.8			
FH (60°-80°)	252.8	1.8			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1148.2	8.3	B3/2500		
BM (30°-60°)	5489.1	39.8	B4/8500		
BH (60°-80°)	252.8	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°	2228.1	2228.1	2228.1	2228.1	2228.1	2228.1	2228.1	2228.1	2228.1	2228.1	2228.1
2.5°	2223.9	2223.9	2229.5	2233.8	2233.8	2245.0	2240.8	2236.6	2236.6	2230.9	2242.2
5°	2256.2	2254.8	2260.4	2263.2	2257.6	2268.9	2261.8	2257.6	2254.8	2249.2	2260.4
7.5°	2291.3	2292.7	2294.1	2299.7	2296.9	2308.2	2302.5	2294.1	2291.3	2282.9	2294.1
10°	2333.4	2333.4	2336.2	2343.3	2344.7	2358.7	2353.1	2343.3	2334.8	2326.4	2337.6
12.5°	2386.8	2388.2	2392.4	2402.2	2407.8	2423.3	2414.9	2395.2	2382.6	2372.7	2385.4
15°	2464.0	2462.6	2468.2	2482.3	2489.3	2500.5	2487.9	2461.2	2445.8	2434.5	2442.9
17.5°	2548.2	2548.2	2551.1	2565.1	2574.9	2591.8	2576.3	2544.0	2530.0	2514.6	2523.0
20°	2640.9	2645.1	2647.9	2657.8	2674.6	2691.5	2678.8	2646.5	2631.1	2611.4	2621.3
22.5°	2763.1	2758.8	2760.3	2777.1	2801.0	2817.8	2808.0	2770.1	2743.4	2728.0	2733.6
25°	2899.2	2897.8	2902.1	2927.3	2954.0	2972.3	2958.2	2909.1	2882.4	2855.7	2867.0
27.5°	3066.3	3067.7	3070.5	3101.4	3143.5	3170.2	3135.1	3086.0	3049.5	3014.4	3022.8
30°	3264.3	3261.5	3269.9	3312.0	3373.8	3415.9	3375.2	3306.4	3254.5	3220.8	3225.0
32.5°	3474.9	3477.7	3500.2	3567.5	3649.0	3723.4	3640.6	3549.3	3481.9	3418.7	3427.1
35°	3702.3	3709.4	3759.9	3859.6	3993.0	4092.6	3977.5	3827.3	3731.8	3650.4	3653.2
37.5°	3970.5	3987.3	4057.5	4206.4	4397.3	4530.7	4362.2	4162.8	4039.3	3938.2	3931.2
40°	4322.9	4342.6	4438.0	4614.9	4846.6	4968.7	4773.6	4568.6	4415.6	4306.0	4289.2
42.5°	4727.2	4752.5	4856.4	5037.5	5269.2	5352.0	5161.1	4988.4	4850.8	4721.6	4716.0
45°	5183.5	5197.6	5281.8	5420.8	5587.9	5607.6	5464.3	5368.9	5229.9	5109.1	5099.3
47.5°	5611.8	5625.8	5683.4	5755.0	5794.3	5724.1	5698.8	5656.7	5477.0	5328.2	5297.3
50°	5937.5	5948.7	6020.3	6048.4	5938.9	5790.1	5839.2	5749.4	5554.2	5387.1	5339.4
52.5°	5915.0	5943.1	6127.0	6287.1	6218.3	6097.5	5965.6	5771.8	5468.6	5239.7	5180.7
55°	5092.3	5130.2	5524.7	6051.2	6521.6	6573.5	6045.6	5420.8	4850.8	4515.2	4454.9
57.5°	3272.7	3282.5	3764.1	4502.6	5562.6	5896.8	5013.7	4087.0	3378.0	3008.8	2983.5
60°	1203.2	1183.6	1547.2	2159.3	3203.9	3557.7	2951.2	2066.7	1474.2	1213.1	1192.0
62.5°	289.2	292.0	362.2	543.3	1005.3	1243.9	982.8	549.0	349.6	293.4	290.6
65°	146.0	143.2	144.6	155.8	214.8	256.9	210.6	148.8	143.2	144.6	143.2
67.5°	94.1	92.7	95.5	96.9	95.5	89.9	88.5	91.3	91.3	92.7	89.9
70°	57.6	56.2	59.0	63.2	60.4	53.4	56.2	59.0	56.2	54.8	54.8
72.5°	30.9	30.9	33.7	36.5	33.7	30.9	30.9	32.3	30.9	30.9	30.9
75°	14.0	14.0	15.4	16.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0
77.5°	4.2	4.2	5.6	5.6	4.2	4.2	4.2	4.2	5.6	5.6	5.6
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)