

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: P634879

Luminaire Tested: GWS-SA3C-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12322.7 lumens
Efficiency: N/A
Efficacy: 132.5 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

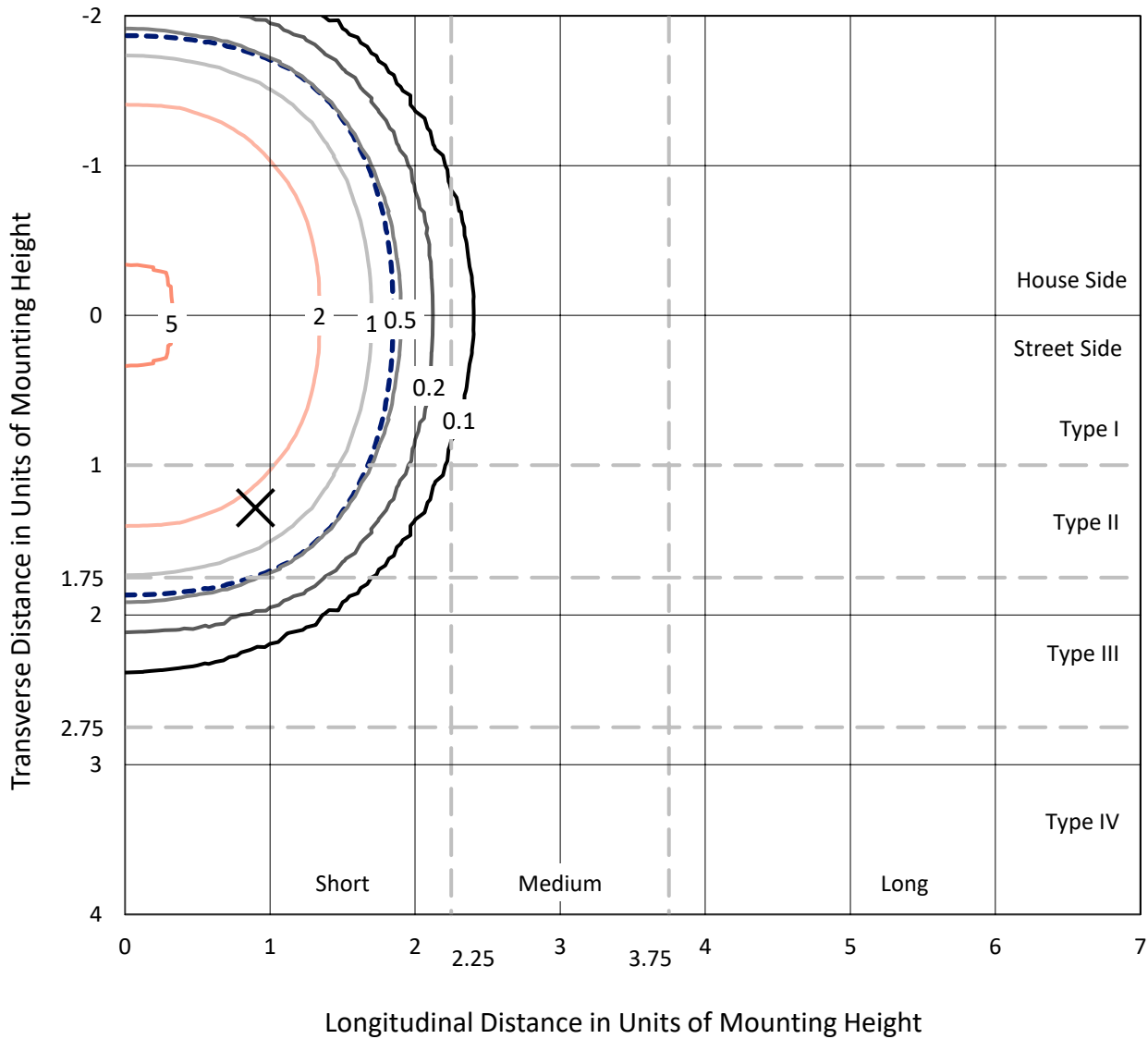
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

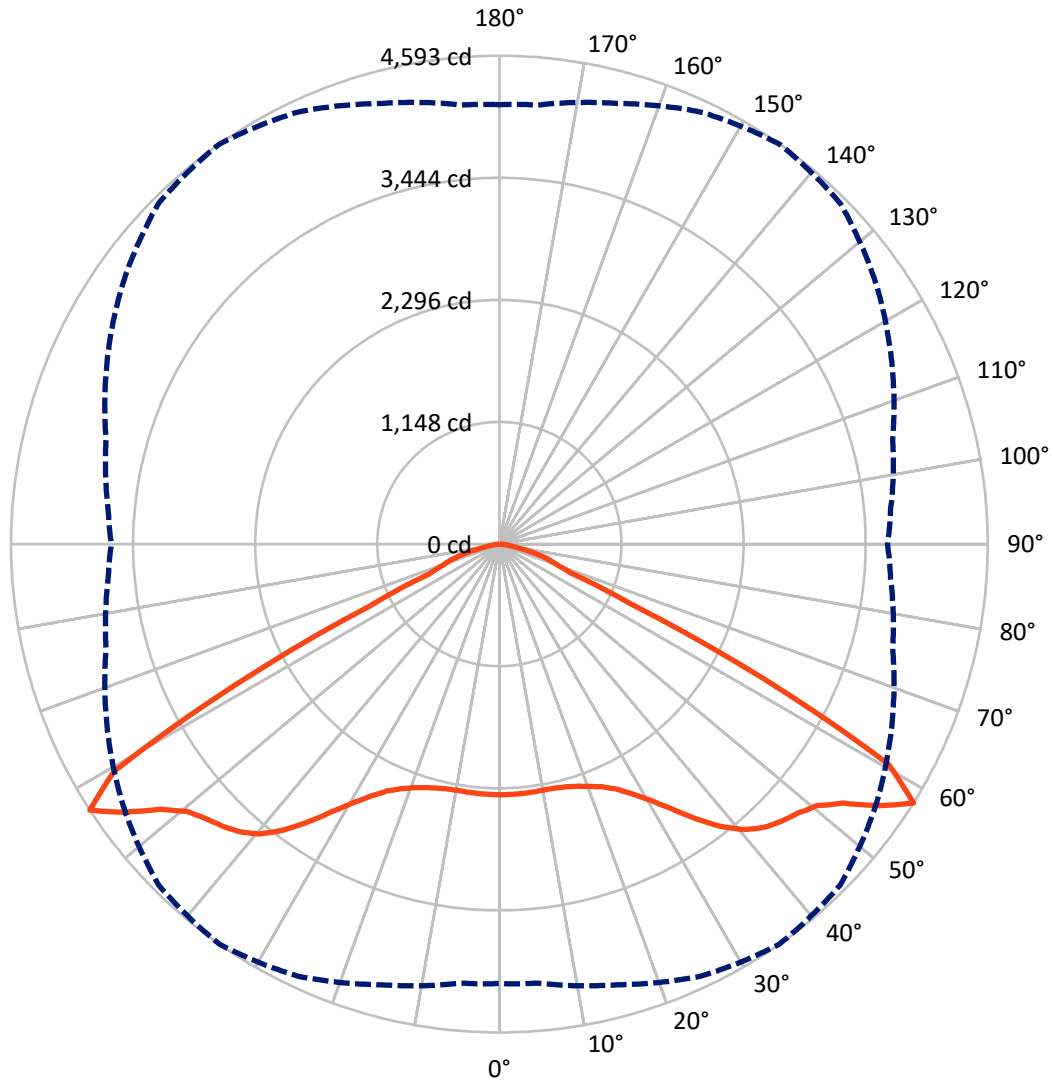
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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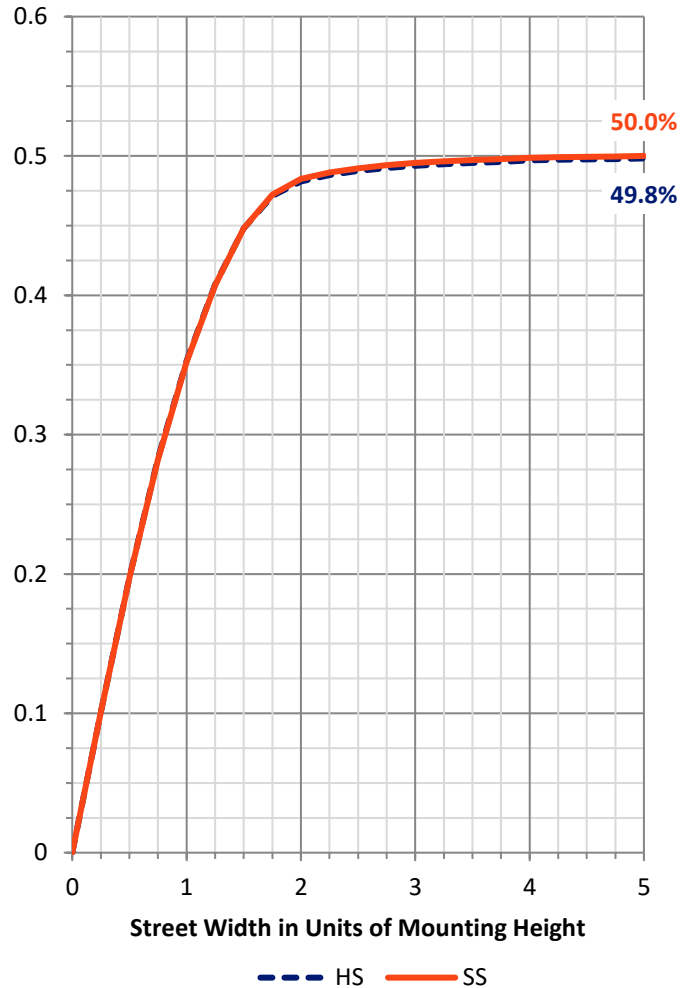
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6161.3	0.0	6161.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6161.3	0.0	6161.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12322.7	0.0	12322.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.3	1.8
10°-20°	669.2	5.4
20°-30°	1167.7	9.5
30°-40°	1914.7	15.5
40°-50°	2819.9	22.9
50°-60°	3598.7	29.2
60°-70°	1516.6	12.3
70°-80°	362.3	2.9
80°-90°	49.3	0.4
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°	12322.7	100.0
0°-180°	12322.7	100.0

Coefficient of Utilization



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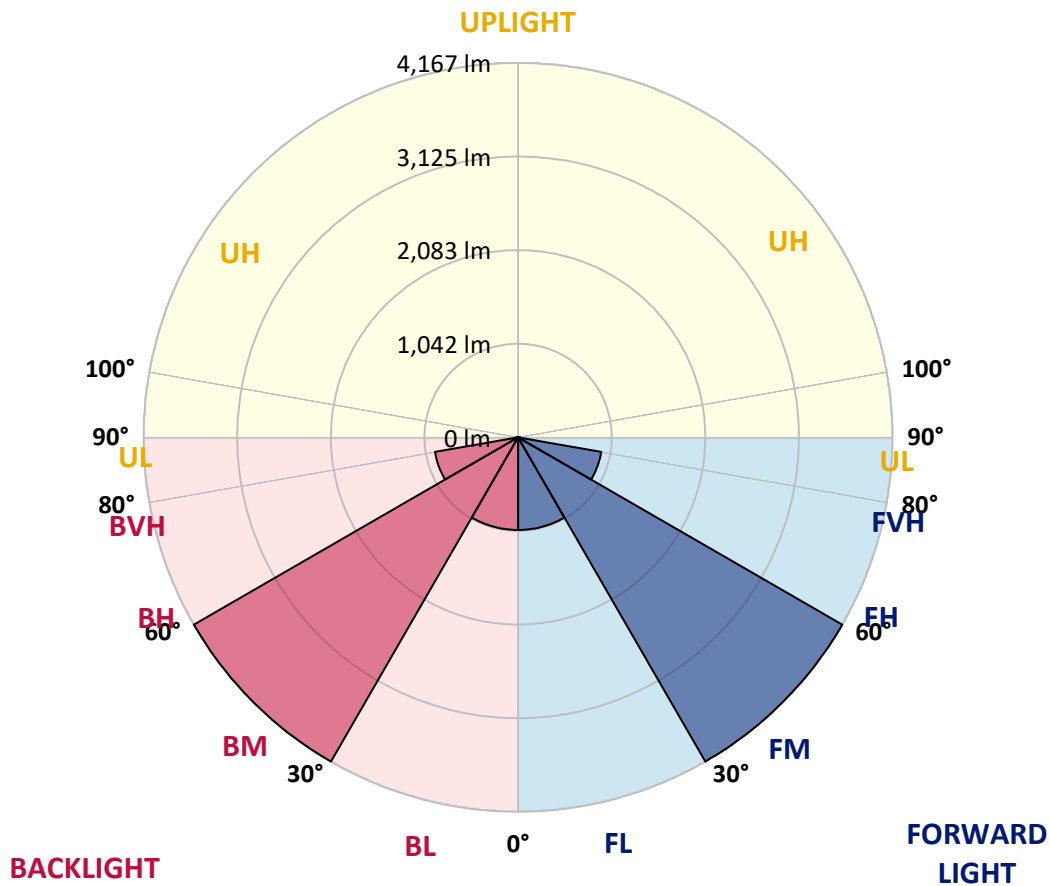
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.6	8.4			
FM (30°-60°)	4166.6	33.8			
FH (60°-80°)	939.5	7.6			G1/1800
FVH (80°-90°)	24.7	0.2			G1/100
BL (0°-30°)	1030.6	8.4	B3/2500		
BM (30°-60°)	4166.6	33.8	B3/5000		
BH (60°-80°)	939.5	7.6	B2/1000		G1/1800
BVH (80°-90°)	24.7	0.2			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°	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8	2357.8
2.5°	2343.7	2343.7	2348.7	2353.8	2355.8	2364.9	2363.9	2360.8	2358.8	2352.8	2360.8
5°	2348.7	2348.7	2352.8	2355.8	2354.8	2361.8	2358.8	2353.8	2350.7	2344.7	2353.8
7.5°	2347.7	2347.7	2350.7	2353.8	2351.8	2357.8	2352.8	2345.7	2340.7	2334.6	2342.7
10°	2334.6	2336.6	2339.6	2346.7	2349.7	2358.8	2351.8	2340.7	2332.6	2325.5	2333.6
12.5°	2332.6	2334.6	2338.6	2347.7	2352.8	2365.9	2356.8	2338.6	2326.5	2317.5	2325.5
15°	2341.7	2343.7	2349.7	2360.8	2368.9	2383.0	2369.9	2344.7	2327.5	2315.4	2322.5
17.5°	2352.8	2355.8	2364.9	2381.0	2394.1	2409.3	2393.1	2362.9	2338.6	2322.5	2328.5
20°	2364.9	2368.9	2383.0	2407.2	2431.5	2450.6	2430.4	2390.1	2360.8	2339.6	2345.7
22.5°	2386.1	2391.1	2409.3	2443.6	2479.9	2508.1	2482.9	2428.4	2390.1	2362.9	2367.9
25°	2429.4	2435.5	2458.7	2500.1	2551.5	2585.8	2550.5	2489.0	2435.5	2402.2	2407.2
27.5°	2506.1	2509.1	2539.4	2593.9	2657.5	2696.8	2654.4	2581.8	2522.3	2483.9	2488.0
30°	2607.0	2616.1	2646.4	2718.0	2793.7	2846.1	2790.6	2704.9	2636.3	2589.9	2593.9
32.5°	2730.1	2736.1	2781.5	2856.2	2965.2	3025.7	2950.0	2848.1	2765.4	2708.9	2712.9
35°	2891.5	2896.6	2939.9	3034.8	3166.9	3223.4	3136.7	3019.6	2923.8	2870.3	2885.5
37.5°	3084.2	3093.3	3124.6	3218.4	3365.7	3421.2	3321.3	3212.3	3112.5	3063.0	3074.1
40°	3291.0	3290.0	3315.3	3398.0	3532.2	3566.5	3476.7	3389.9	3304.2	3271.9	3290.0
42.5°	3468.6	3463.6	3481.7	3550.3	3643.2	3646.2	3586.7	3538.2	3477.7	3455.5	3472.6
45°	3592.7	3594.7	3622.0	3669.4	3716.8	3691.6	3673.4	3665.3	3617.9	3587.7	3590.7
47.5°	3690.6	3698.6	3742.0	3774.3	3780.4	3738.0	3763.2	3775.3	3736.0	3689.6	3676.4
50°	3777.3	3790.5	3846.9	3881.3	3868.1	3814.7	3864.1	3882.3	3795.5	3706.7	3680.5
52.5°	3934.7	3949.9	4018.5	4062.9	4047.7	3994.2	4040.7	3976.1	3829.8	3720.8	3687.5
55°	4185.9	4193.0	4276.7	4349.4	4342.3	4276.7	4239.4	4096.1	3918.6	3805.6	3774.3
57.5°	4132.5	4144.6	4289.9	4483.6	4592.5	4533.0	4314.1	4069.9	3828.8	3692.6	3650.2
60°	3251.7	3281.0	3461.5	3802.6	4202.1	4201.1	3794.5	3415.1	3124.6	2944.0	2925.8
62.5°	1898.8	1918.9	2083.4	2428.4	2786.6	2808.8	2523.3	2263.0	2008.7	1886.6	1828.1
65°	898.9	897.9	963.5	1118.9	1361.0	1380.2	1294.4	1152.2	1001.8	960.5	949.4
67.5°	663.9	663.9	658.8	669.9	716.3	726.4	716.3	693.1	679.0	688.1	682.0
70°	576.1	577.1	571.0	568.0	568.0	565.0	569.0	578.1	584.2	596.3	590.2
72.5°	467.1	468.1	468.1	469.1	470.1	466.1	472.2	477.2	478.2	482.3	478.2
75°	331.9	333.9	340.0	345.0	349.1	349.1	351.1	352.1	348.1	353.1	345.0
77.5°	182.6	184.6	195.7	204.8	213.9	214.9	217.9	219.9	217.9	222.0	215.9
80°	100.9	102.9	108.0	112.0	119.1	125.1	129.1	131.2	131.2	134.2	131.2
82.5°	57.5	59.5	62.6	64.6	70.6	75.7	79.7	82.7	82.7	83.7	81.7
85°	27.2	27.2	29.3	31.3	34.3	36.3	41.4	44.4	44.4	46.4	44.4
87.5°	4.0	5.0	6.1	6.1	8.1	10.1	12.1	13.1	15.1	16.1	16.1
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)