

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: P639447

Luminaire Tested: GWS-SA5B-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-830-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12787 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

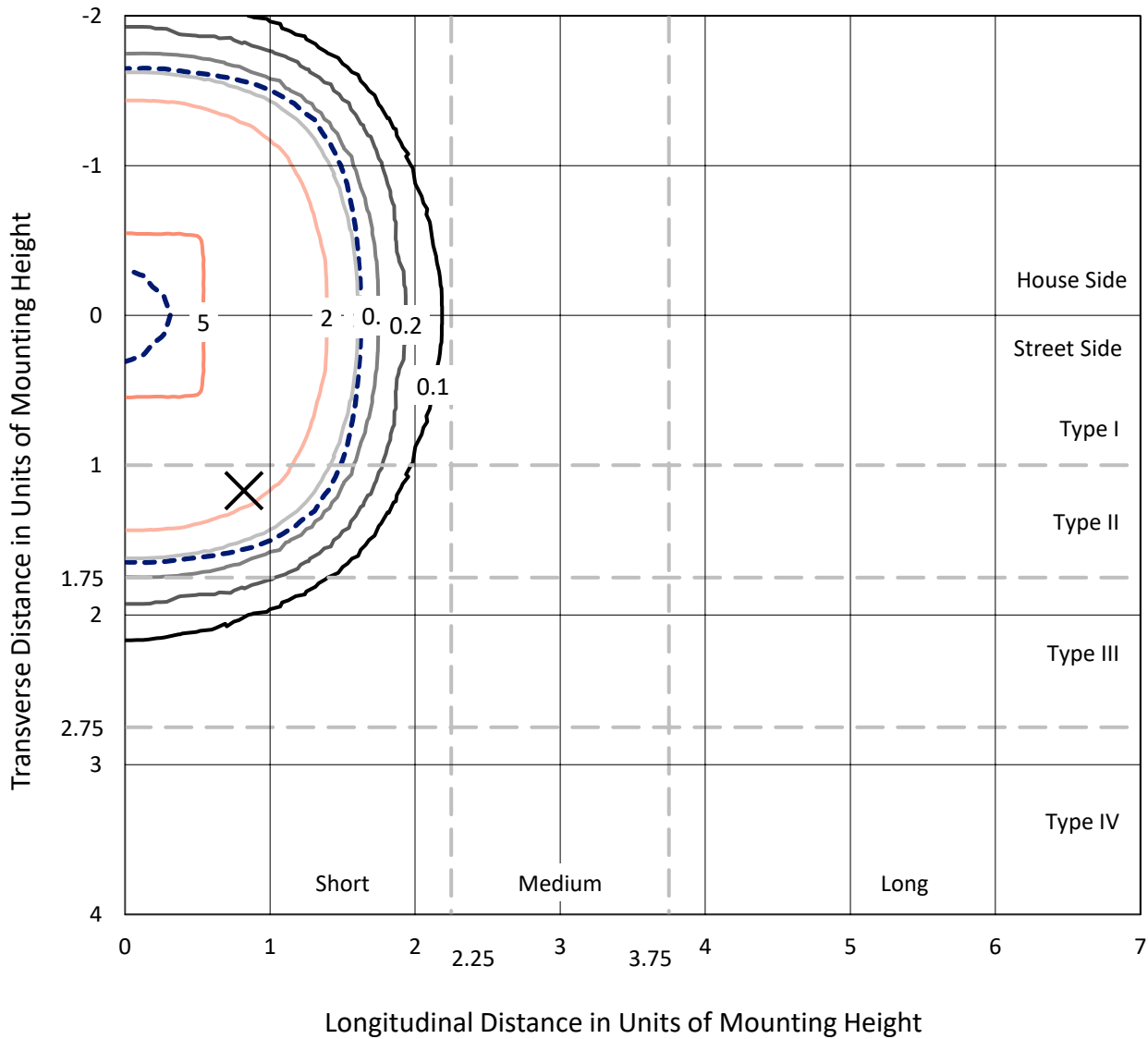
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

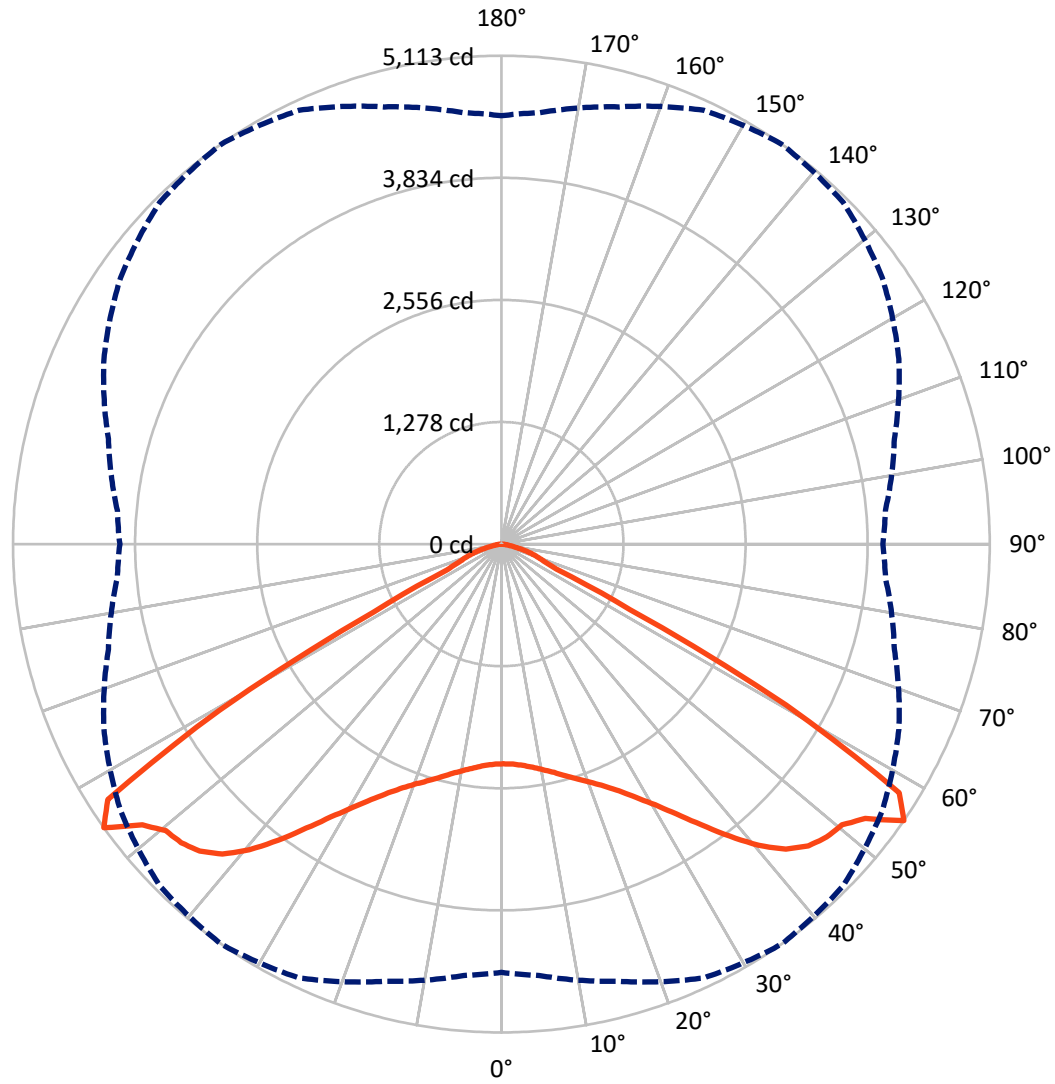
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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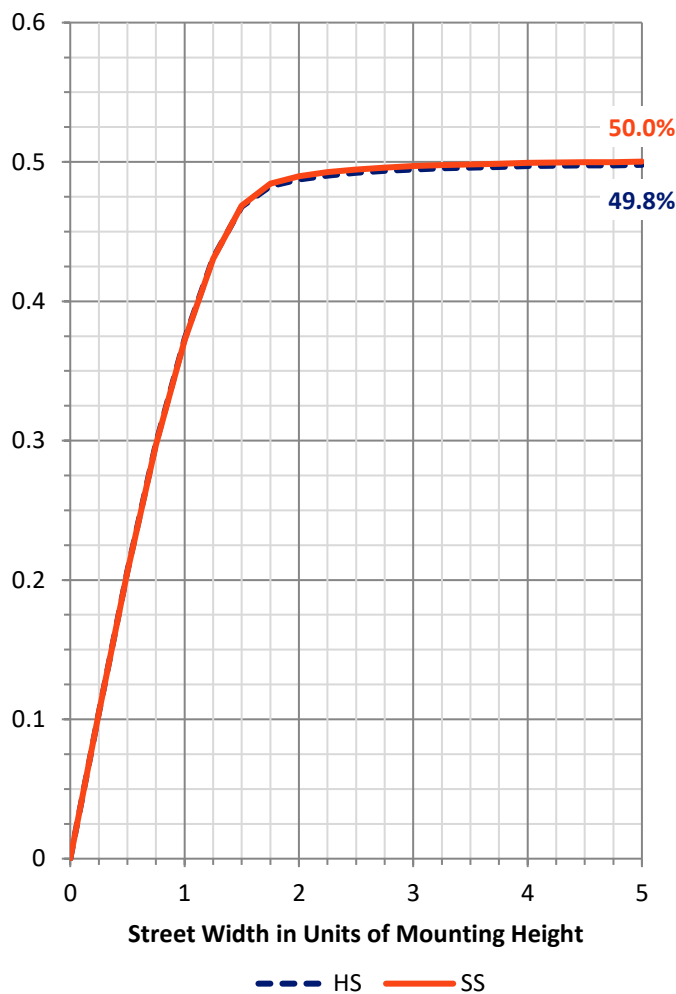
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6393.5	0.0	6393.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6393.5	0.0	6393.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12787.0	0.0	12787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.4	1.8
10°-20°	714.4	5.6
20°-30°	1322.1	10.3
30°-40°	2211.7	17.3
40°-50°	3370.2	26.4
50°-60°	3775.4	29.5
60°-70°	893.3	7.0
70°-80°	240.8	1.9
80°-90°	34.7	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°	12787.0	100.0
0°-180°	12787.0	100.0

Coefficient of Utilization



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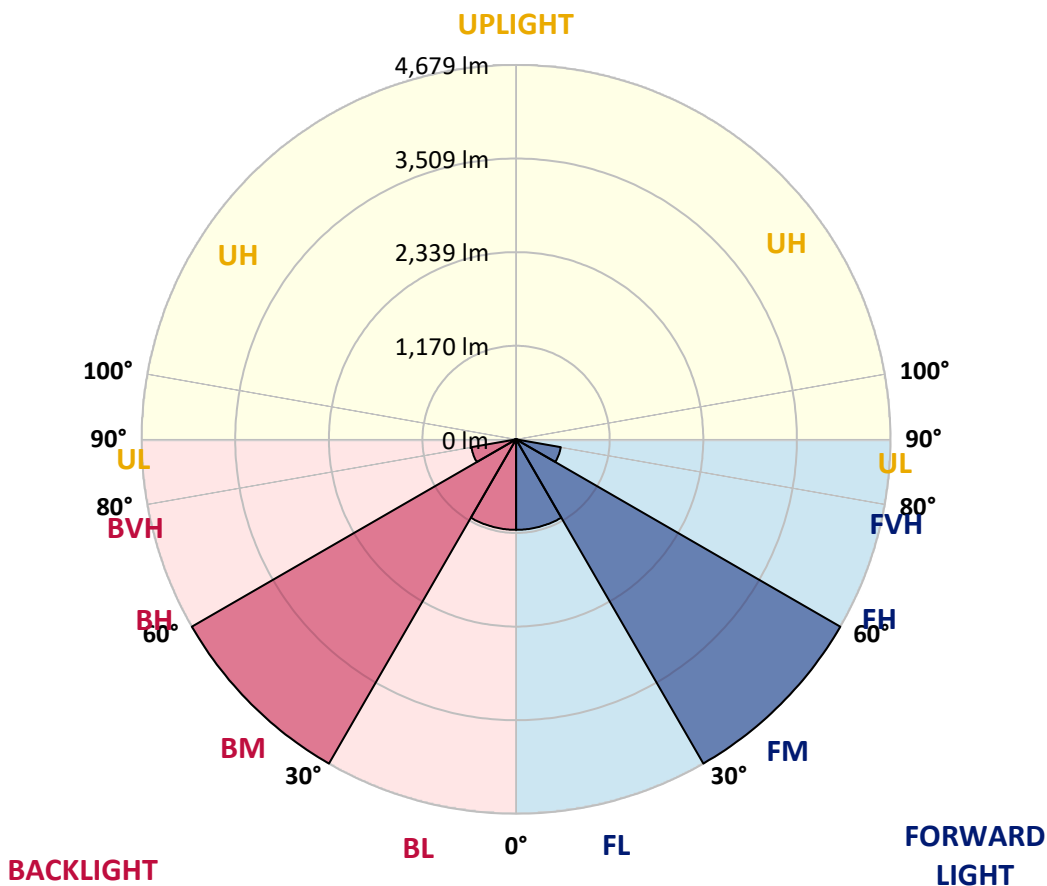
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1130.4	8.8			
FM (30°-60°)	4678.7	36.6			
FH (60°-80°)	567.1	4.4			G0/660
FVH (80°-90°)	17.3	0.1			G1/100
BL (0°-30°)	1130.4	8.8	B3/2500		
BM (30°-60°)	4678.7	36.6	B3/5000		
BH (60°-80°)	567.1	4.4	B2/1000		G0/660
BVH (80°-90°)	17.3	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2300.4	2300.4	2300.4	2300.4	2300.4	2300.4	2300.4	2300.4	2300.4	2300.4	2300.4
2.5°	2295.4	2295.4	2299.4	2304.5	2305.5	2315.6	2313.6	2309.5	2307.5	2303.4	2312.5
5°	2320.6	2321.7	2324.7	2327.7	2325.7	2333.8	2330.8	2325.7	2322.7	2317.6	2326.7
7.5°	2354.0	2354.0	2357.0	2361.1	2359.1	2371.2	2365.1	2358.1	2353.0	2346.9	2355.0
10°	2384.3	2386.4	2389.4	2397.5	2401.5	2414.7	2410.6	2400.5	2392.4	2385.4	2394.5
12.5°	2429.8	2431.9	2434.9	2446.0	2453.1	2466.2	2460.2	2446.0	2433.9	2423.8	2433.9
15°	2488.5	2486.5	2494.6	2508.7	2517.8	2530.0	2522.9	2498.6	2482.4	2469.3	2479.4
17.5°	2548.2	2547.1	2555.2	2573.4	2586.6	2602.8	2590.6	2562.3	2545.1	2528.9	2539.1
20°	2612.9	2615.9	2624.0	2641.2	2660.4	2681.6	2671.5	2641.2	2622.0	2603.8	2611.9
22.5°	2692.8	2693.8	2702.9	2725.1	2750.4	2770.6	2764.5	2727.1	2702.9	2683.6	2693.8
25°	2788.8	2787.8	2799.9	2826.2	2861.6	2881.8	2868.7	2827.2	2800.9	2778.7	2786.8
27.5°	2899.0	2898.0	2916.2	2950.6	3001.2	3029.5	3002.2	2950.6	2914.2	2882.9	2889.9
30°	3037.6	3034.5	3054.7	3101.3	3167.0	3214.5	3174.1	3102.3	3054.7	3021.4	3028.5
32.5°	3191.3	3195.3	3220.6	3283.3	3366.2	3427.9	3367.2	3287.3	3223.6	3175.1	3183.2
35°	3360.1	3360.1	3411.7	3489.6	3607.9	3689.8	3595.7	3480.5	3395.5	3328.8	3330.8
37.5°	3548.2	3550.2	3618.0	3725.2	3879.9	3975.9	3848.5	3705.9	3602.8	3531.0	3527.0
40°	3777.7	3783.8	3853.6	3972.9	4146.8	4234.8	4098.3	3958.7	3853.6	3768.6	3760.5
42.5°	4036.6	4038.6	4112.4	4219.6	4366.2	4418.8	4311.6	4197.4	4111.4	4034.6	4026.5
45°	4283.3	4278.3	4342.0	4421.9	4506.8	4511.8	4452.2	4405.7	4330.8	4265.1	4253.0
47.5°	4475.4	4471.4	4529.0	4572.5	4582.6	4533.1	4552.3	4559.4	4472.4	4383.4	4360.2
50°	4592.7	4600.8	4655.4	4679.7	4620.0	4539.1	4612.0	4593.8	4469.4	4353.1	4315.7
52.5°	4663.5	4675.7	4770.7	4832.4	4770.7	4693.9	4704.0	4596.8	4417.8	4264.1	4215.6
55°	4484.5	4533.1	4738.4	5011.4	5112.5	5058.9	4866.8	4590.7	4259.1	4035.6	3994.1
57.5°	3323.7	3400.6	3704.9	4296.5	4911.3	5106.4	4545.2	3848.5	3346.0	3058.8	3034.5
60°	1696.7	1782.7	2026.4	2634.1	3424.8	3699.9	3166.0	2464.2	1958.6	1726.1	1699.8
62.5°	692.7	706.8	786.7	1021.3	1513.7	1746.3	1533.9	1076.9	808.9	745.2	746.2
65°	545.0	548.1	544.0	558.2	634.0	703.8	650.2	571.3	557.2	564.2	559.2
67.5°	475.3	476.3	473.2	473.2	476.3	473.2	479.3	482.3	484.4	492.4	487.4
70°	397.4	398.4	398.4	400.4	399.4	394.4	403.5	407.5	408.5	413.6	410.5
72.5°	307.4	310.4	312.5	313.5	312.5	309.4	314.5	321.6	320.5	325.6	320.5
75°	208.3	212.3	214.4	218.4	217.4	217.4	223.5	226.5	223.5	227.5	223.5
77.5°	118.3	121.3	127.4	131.5	135.5	138.5	142.6	144.6	143.6	145.6	143.6
80°	68.8	69.8	74.8	76.8	81.9	87.0	91.0	93.0	94.0	95.1	94.0
82.5°	39.4	40.4	42.5	44.5	48.5	52.6	56.6	59.7	59.7	60.7	59.7
85°	19.2	19.2	20.2	21.2	23.3	26.3	29.3	32.4	33.4	33.4	33.4
87.5°	3.0	3.0	4.0	4.0	5.1	6.1	8.1	10.1	11.1	11.1	11.1
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)