

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: P634827

Luminaire Tested: GWS-SA3C-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634827
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-SA3C-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12935.8 lumens
Efficiency: N/A
Efficacy: 139.1 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

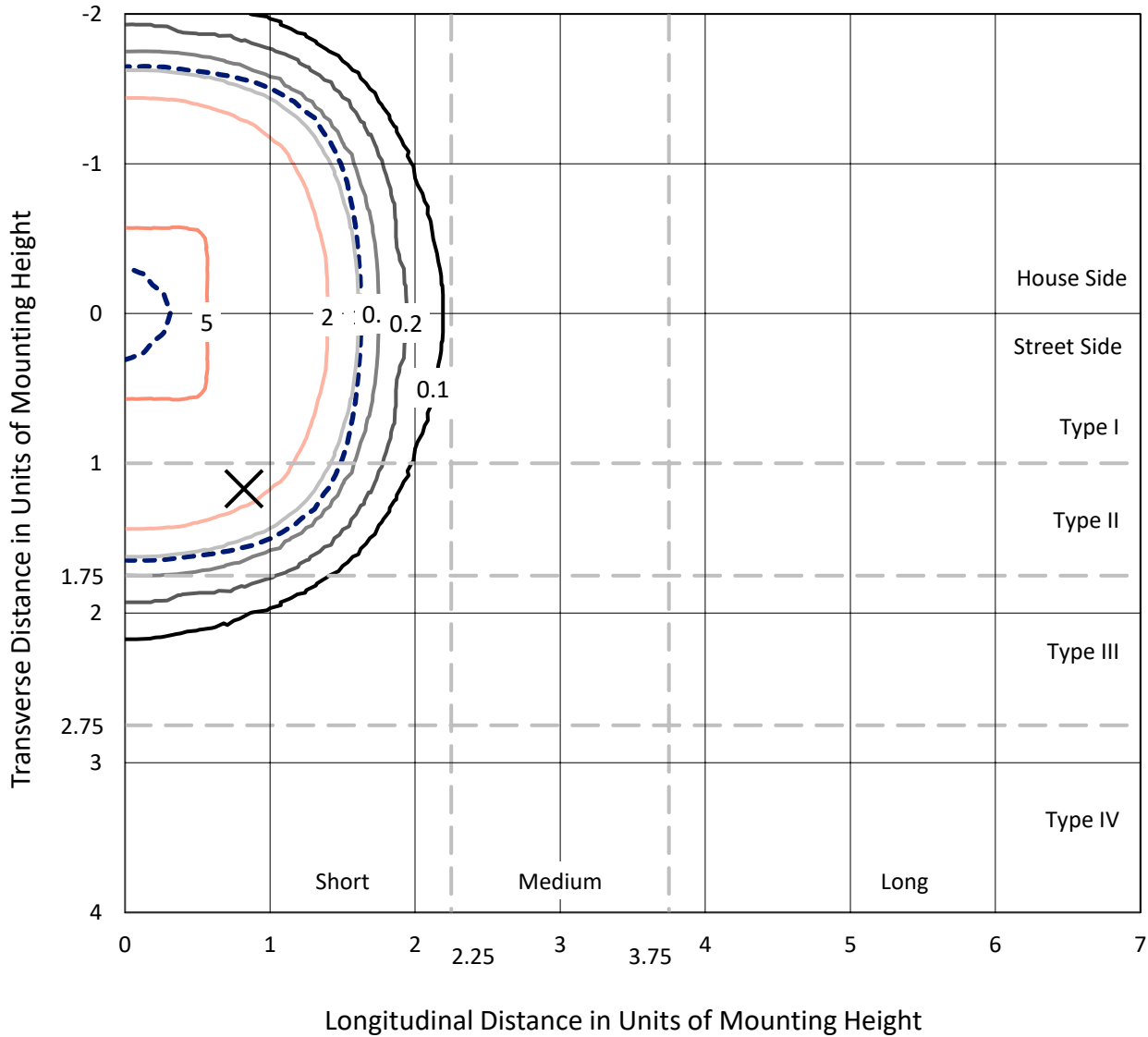
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

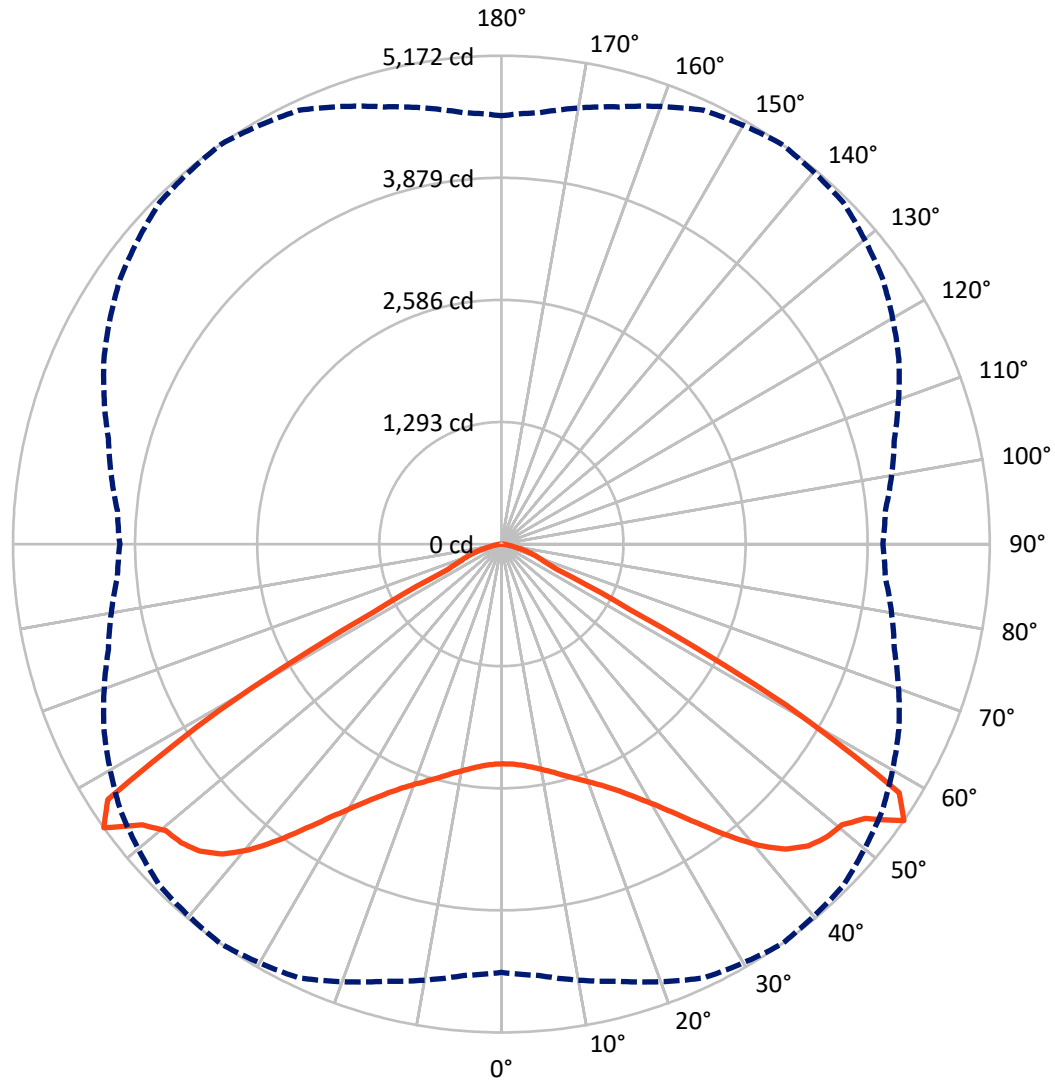
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 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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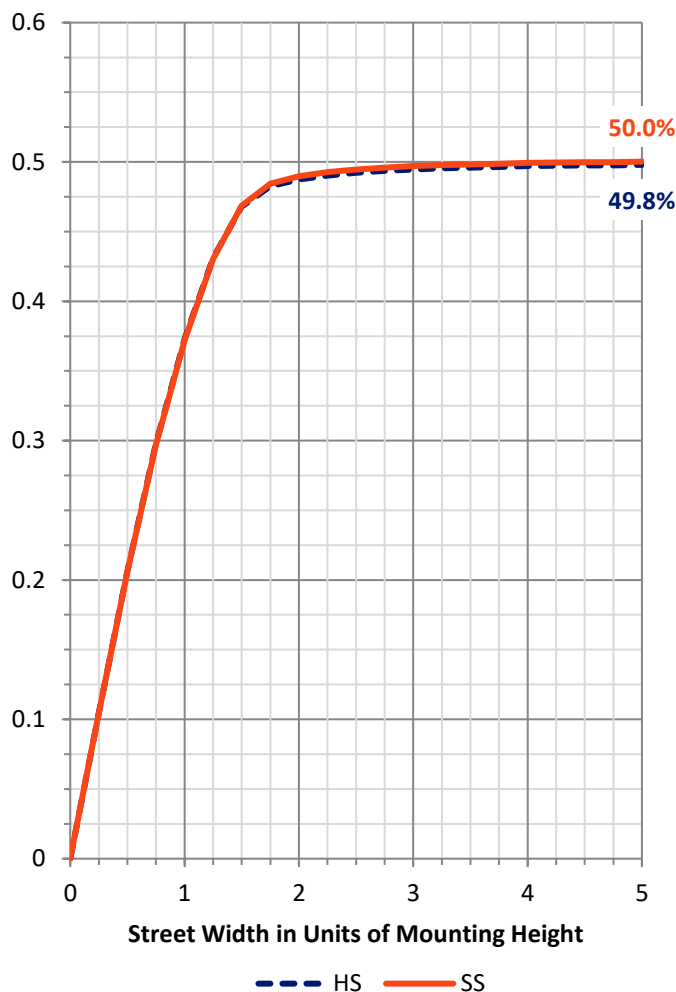
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6467.9	0.0	6467.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6467.9	0.0	6467.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12935.8	0.0	12935.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.0	1.8
10°-20°	722.7	5.6
20°-30°	1337.5	10.3
30°-40°	2237.4	17.3
40°-50°	3409.5	26.4
50°-60°	3819.3	29.5
60°-70°	903.7	7.0
70°-80°	243.6	1.9
80°-90°	35.1	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°	12935.8	100.0
0°-180°	12935.8	100.0

Coefficient of Utilization



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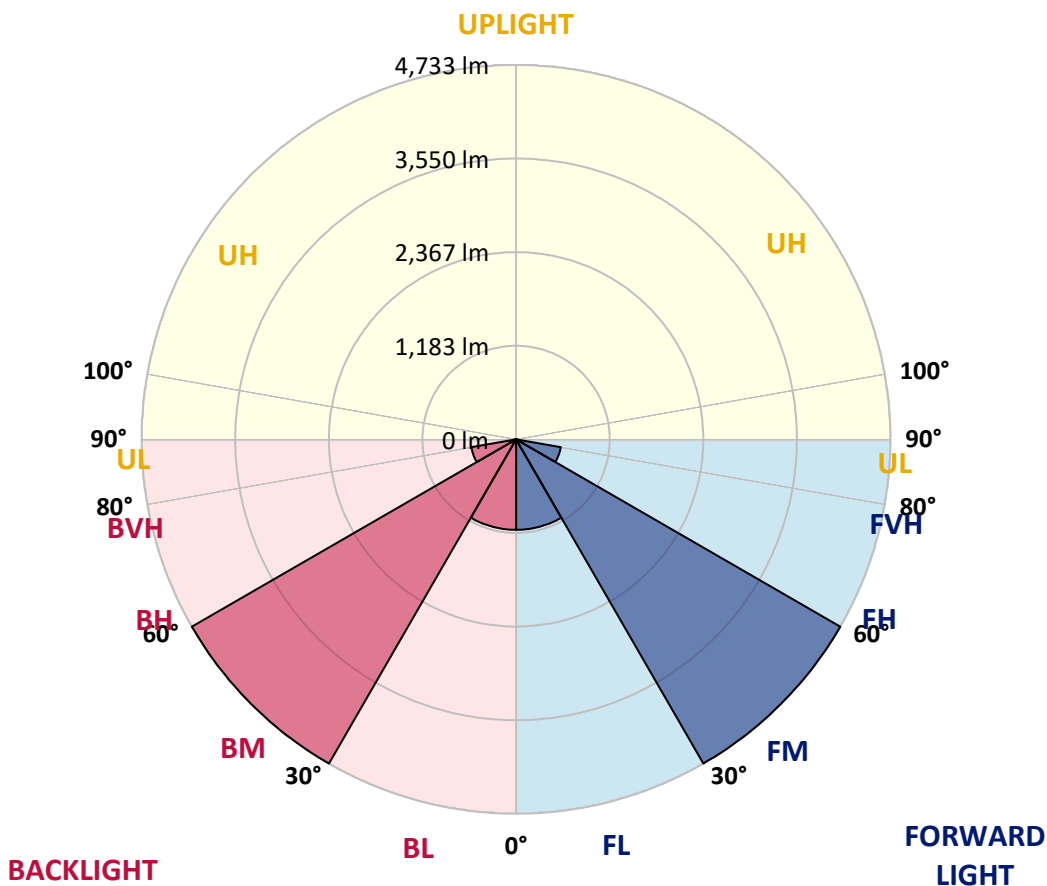
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.6	8.8			
FM (30°-60°)	4733.1	36.6			
FH (60°-80°)	573.7	4.4			G0/660
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	1143.6	8.8	B3/2500		
BM (30°-60°)	4733.1	36.6	B3/5000		
BH (60°-80°)	573.7	4.4	B2/1000		G0/660
BVH (80°-90°)	17.5	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°	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2	2327.2
2.5°	2322.1	2322.1	2326.2	2331.3	2332.3	2342.5	2340.5	2336.4	2334.3	2330.3	2339.5
5°	2347.6	2348.7	2351.7	2354.8	2352.8	2360.9	2357.9	2352.8	2349.7	2344.6	2353.8
7.5°	2381.4	2381.4	2384.5	2388.6	2386.5	2398.8	2392.7	2385.5	2380.4	2374.2	2382.4
10°	2412.1	2414.1	2417.2	2425.4	2429.5	2442.8	2438.7	2428.5	2420.3	2413.1	2422.3
12.5°	2458.1	2460.2	2463.2	2474.5	2481.6	2494.9	2488.8	2474.5	2462.2	2452.0	2462.2
15°	2517.5	2515.4	2523.6	2537.9	2547.1	2559.4	2552.2	2527.7	2511.3	2498.0	2508.2
17.5°	2577.8	2576.8	2585.0	2603.4	2616.7	2633.0	2620.8	2592.1	2574.7	2558.4	2568.6
20°	2643.3	2646.3	2654.5	2671.9	2691.4	2712.8	2702.6	2671.9	2652.5	2634.1	2642.3
22.5°	2724.1	2725.1	2734.3	2756.8	2782.4	2802.9	2796.7	2758.9	2734.3	2714.9	2725.1
25°	2821.3	2820.2	2832.5	2859.1	2894.9	2915.4	2902.1	2860.1	2833.5	2811.0	2819.2
27.5°	2932.8	2931.7	2950.2	2984.9	3036.1	3064.7	3037.1	2984.9	2948.1	2916.4	2923.6
30°	3072.9	3069.8	3090.3	3137.4	3203.8	3251.9	3211.0	3138.4	3090.3	3056.5	3063.7
32.5°	3228.4	3232.5	3258.1	3321.5	3405.4	3467.8	3406.4	3325.6	3261.1	3212.0	3220.2
35°	3399.2	3399.2	3451.4	3530.2	3649.8	3732.7	3637.6	3521.0	3435.0	3367.5	3369.6
37.5°	3589.5	3591.5	3660.1	3768.5	3925.0	4022.2	3893.3	3749.1	3644.7	3572.1	3568.0
40°	3821.7	3827.8	3898.4	4019.1	4195.1	4284.1	4146.0	4004.8	3898.4	3812.5	3804.3
42.5°	4083.6	4085.6	4160.3	4268.7	4417.0	4470.2	4361.8	4246.2	4159.3	4081.5	4073.3
45°	4333.2	4328.1	4392.5	4473.3	4559.2	4564.4	4504.0	4456.9	4381.2	4314.8	4302.5
47.5°	4527.5	4523.4	4581.7	4625.7	4636.0	4585.8	4605.3	4612.4	4524.5	4434.4	4410.9
50°	4646.2	4654.4	4709.6	4734.2	4673.8	4592.0	4665.6	4647.2	4521.4	4403.8	4365.9
52.5°	4717.8	4730.1	4826.2	4888.6	4826.2	4748.5	4758.7	4650.3	4469.2	4313.7	4264.6
55°	4536.7	4585.8	4793.5	5069.7	5172.0	5117.8	4923.4	4644.1	4308.6	4082.5	4040.6
57.5°	3362.4	3440.1	3748.0	4346.5	4968.4	5165.8	4598.1	3893.3	3384.9	3094.4	3069.8
60°	1716.5	1803.4	2050.0	2664.8	3464.7	3742.9	3202.8	2492.9	1981.4	1746.2	1719.6
62.5°	700.7	715.0	795.8	1033.2	1531.3	1766.6	1551.8	1089.4	818.4	753.9	754.9
65°	551.4	554.4	550.3	564.7	641.4	712.0	657.7	578.0	563.6	570.8	565.7
67.5°	480.8	481.8	478.7	478.7	481.8	478.7	484.9	487.9	490.0	498.2	493.1
70°	402.0	403.0	403.0	405.1	404.1	398.9	408.2	412.2	413.3	418.4	415.3
72.5°	311.0	314.0	316.1	317.1	316.1	313.0	318.1	325.3	324.3	329.4	324.3
75°	210.7	214.8	216.9	221.0	219.9	219.9	226.1	229.1	226.1	230.2	226.1
77.5°	119.7	122.8	128.9	133.0	137.1	140.1	144.2	146.3	145.3	147.3	145.3
80°	69.6	70.6	75.7	77.7	82.9	88.0	92.1	94.1	95.1	96.2	95.1
82.5°	39.9	40.9	43.0	45.0	49.1	53.2	57.3	60.4	60.4	61.4	60.4
85°	19.4	19.4	20.5	21.5	23.5	26.6	29.7	32.7	33.8	33.8	33.8
87.5°	3.1	3.1	4.1	4.1	5.1	6.1	8.2	10.2	11.3	11.3	11.3
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)