

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: P635487

Luminaire Tested: GWS-SA3D-830-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635487
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-SA3D-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12673.4 lumens
Efficiency: N/A
Efficacy: 104.9 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

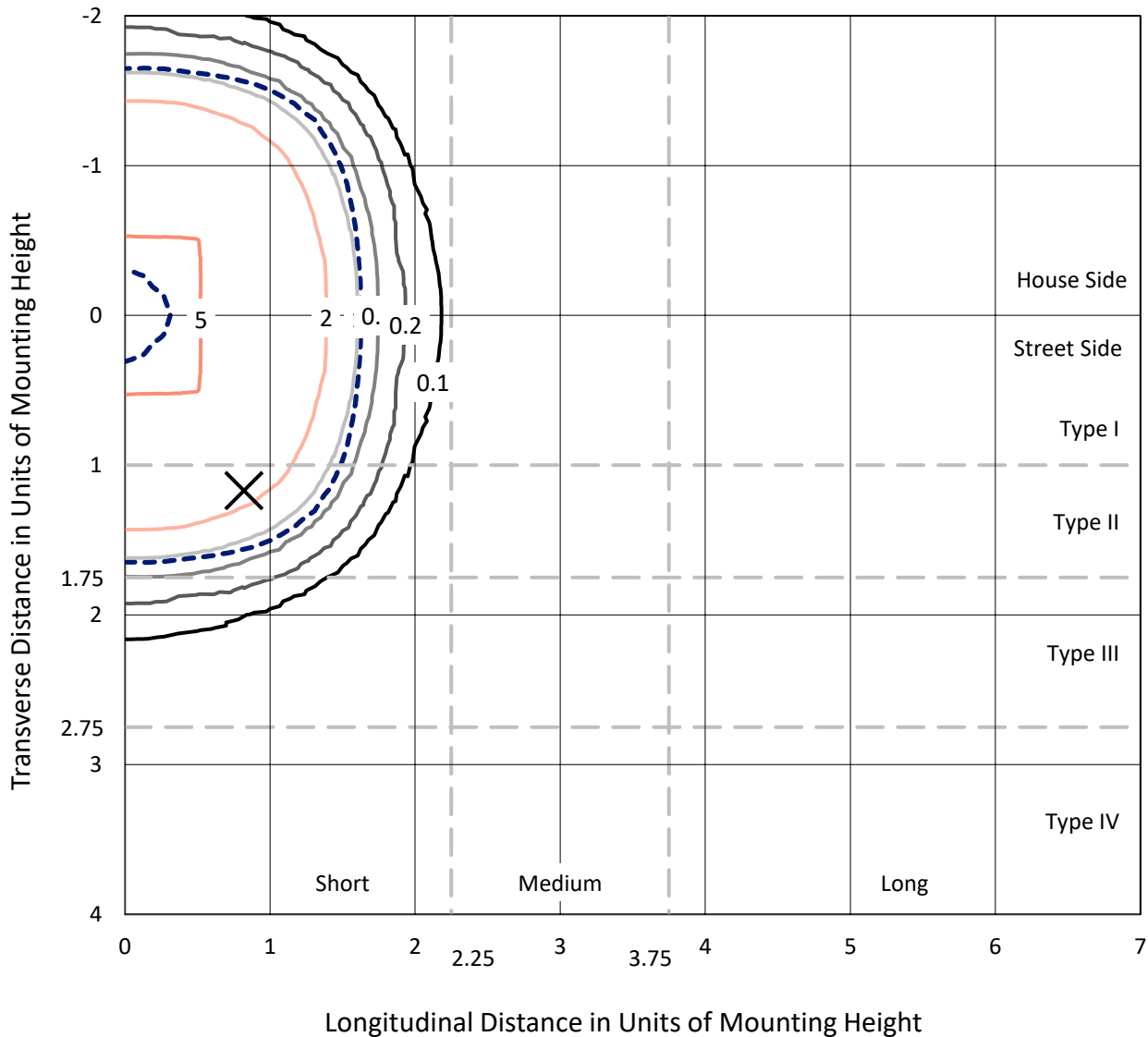
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

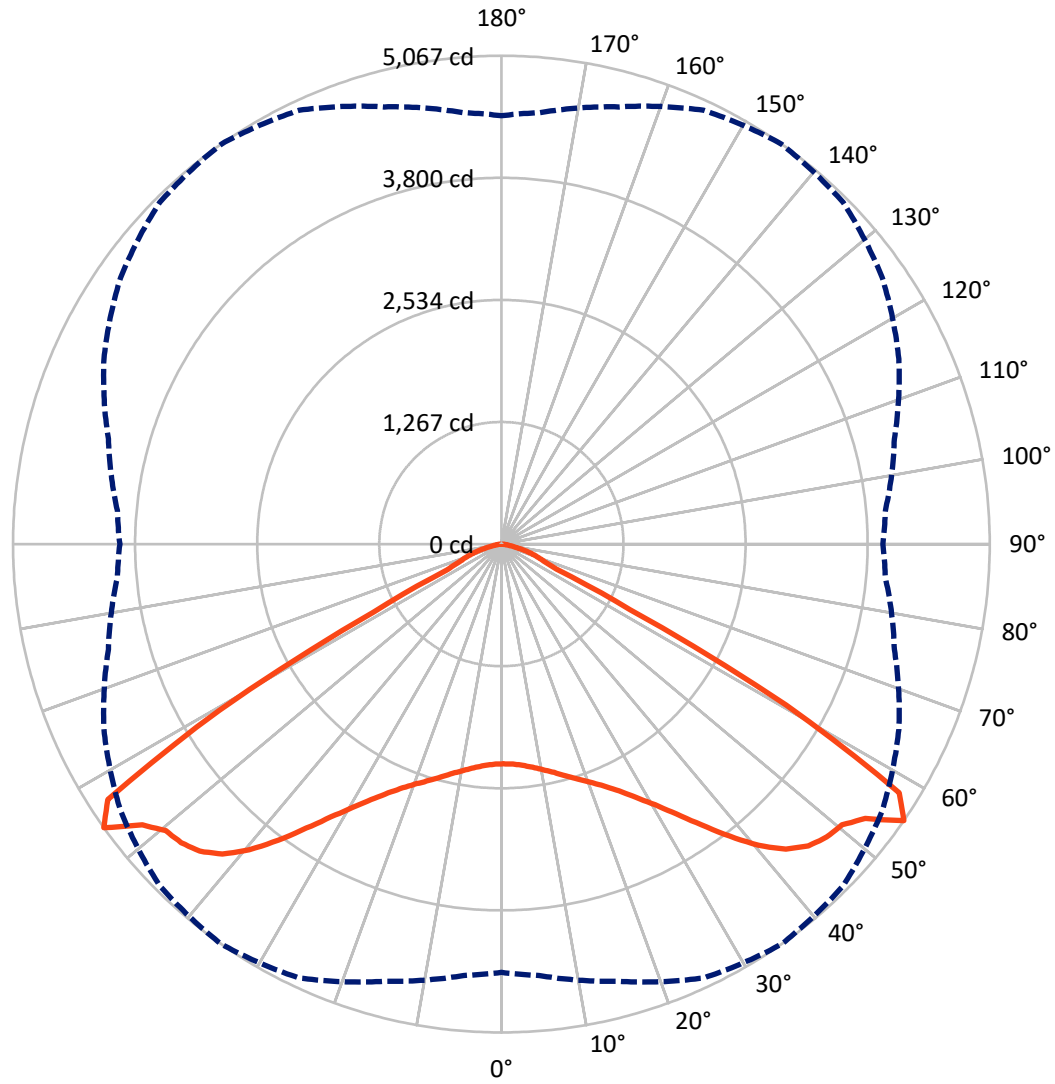
✕ Max cd
 - - - 1/2 Max cd



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

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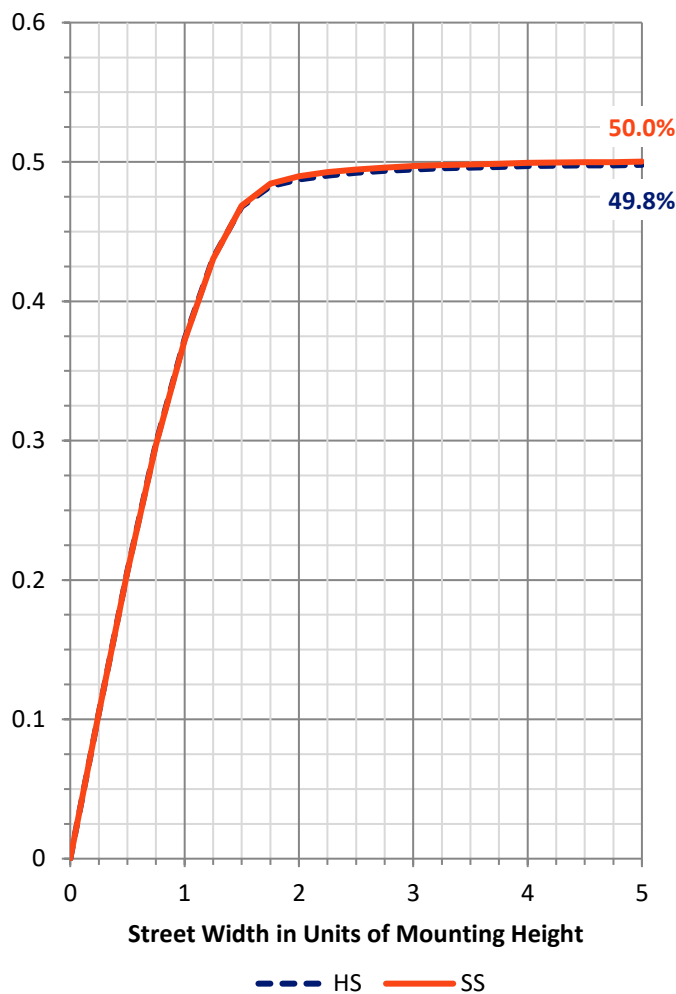
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6336.7	0.0	6336.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6336.7	0.0	6336.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	12673.4	0.0	12673.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	1.8
10°-20°	708.0	5.6
20°-30°	1310.4	10.3
30°-40°	2192.0	17.3
40°-50°	3340.3	26.4
50°-60°	3741.8	29.5
60°-70°	885.4	7.0
70°-80°	238.7	1.9
80°-90°	34.3	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°	12673.4	100.0
0°-180°	12673.4	100.0

Coefficient of Utilization



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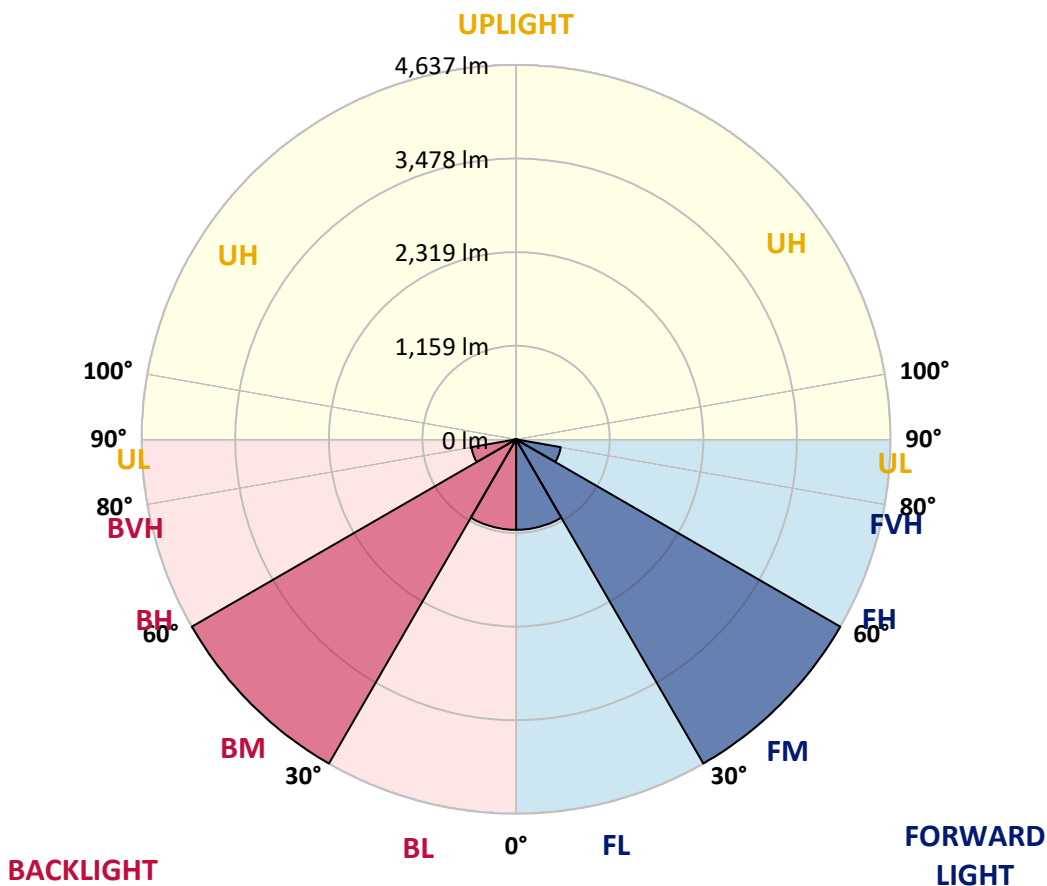
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1120.4	8.8			
FM (30°-60°)	4637.1	36.6			
FH (60°-80°)	562.0	4.4			G0/660
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	1120.4	8.8	B3/2500		
BM (30°-60°)	4637.1	36.6	B3/5000		
BH (60°-80°)	562.0	4.4	B2/1000		G0/660
BVH (80°-90°)	17.2	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°	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0
2.5°	2275.0	2275.0	2279.0	2284.0	2285.0	2295.0	2293.0	2289.0	2287.0	2283.0	2292.0
5°	2300.0	2301.0	2304.0	2307.0	2305.0	2313.1	2310.0	2305.0	2302.0	2297.0	2306.0
7.5°	2333.1	2333.1	2336.1	2340.1	2338.1	2350.1	2344.1	2337.1	2332.1	2326.1	2334.1
10°	2363.2	2365.2	2368.2	2376.2	2380.2	2393.2	2389.2	2379.2	2371.2	2364.2	2373.2
12.5°	2408.3	2410.3	2413.3	2424.3	2431.3	2444.3	2438.3	2424.3	2412.3	2402.2	2412.3
15°	2466.4	2464.4	2472.4	2486.4	2495.4	2507.5	2500.5	2476.4	2460.4	2447.3	2457.4
17.5°	2525.5	2524.5	2532.5	2550.6	2563.6	2579.6	2567.6	2539.5	2522.5	2506.5	2516.5
20°	2589.7	2592.7	2600.7	2617.7	2636.8	2657.8	2647.8	2617.7	2598.7	2580.6	2588.7
22.5°	2668.8	2669.8	2678.8	2700.9	2726.0	2746.0	2740.0	2702.9	2678.8	2659.8	2669.8
25°	2764.0	2763.0	2775.1	2801.1	2836.2	2856.2	2843.2	2802.1	2776.1	2754.0	2762.0
27.5°	2873.3	2872.3	2890.3	2924.4	2974.5	3002.6	2975.5	2924.4	2888.3	2857.2	2864.3
30°	3010.6	3007.6	3027.6	3073.7	3138.9	3186.0	3145.9	3074.7	3027.6	2994.5	3001.6
32.5°	3162.9	3166.9	3192.0	3254.1	3336.3	3397.4	3337.3	3258.1	3195.0	3146.9	3154.9
35°	3330.3	3330.3	3381.4	3458.6	3575.8	3657.0	3563.8	3449.5	3365.3	3299.2	3301.2
37.5°	3516.7	3518.7	3585.8	3692.1	3845.4	3940.6	3814.3	3673.0	3570.8	3499.6	3495.6
40°	3744.2	3750.2	3819.3	3937.6	4110.0	4197.2	4061.9	3923.6	3819.3	3735.2	3727.1
42.5°	4000.7	4002.7	4075.9	4182.1	4327.4	4379.6	4273.3	4160.1	4074.9	3998.7	3990.7
45°	4245.3	4240.3	4303.4	4382.6	4466.8	4471.8	4412.6	4366.5	4292.4	4227.2	4215.2
47.5°	4435.7	4431.7	4488.8	4531.9	4541.9	4492.8	4511.9	4518.9	4432.7	4344.5	4321.4
50°	4551.9	4560.0	4614.1	4638.1	4579.0	4498.8	4571.0	4552.9	4429.7	4314.4	4277.3
52.5°	4622.1	4634.1	4728.3	4789.5	4728.3	4652.2	4662.2	4555.9	4378.6	4226.2	4178.1
55°	4444.7	4492.8	4696.3	4966.8	5067.1	5013.9	4823.5	4549.9	4221.2	3999.7	3958.6
57.5°	3294.2	3370.4	3672.0	4258.3	4867.6	5061.1	4504.8	3814.3	3316.2	3031.6	3007.6
60°	1681.7	1766.9	2008.4	2610.7	3394.4	3667.0	3137.9	2442.3	1941.2	1710.7	1684.7
62.5°	686.5	700.5	779.7	1012.2	1500.3	1730.8	1520.3	1067.3	801.8	738.6	739.6
65°	540.2	543.2	539.2	553.2	628.4	697.5	644.4	566.2	552.2	559.2	554.2
67.5°	471.0	472.0	469.0	469.0	472.0	469.0	475.0	478.0	480.0	488.1	483.1
70°	393.9	394.9	394.9	396.9	395.9	390.9	399.9	403.9	404.9	409.9	406.9
72.5°	304.7	307.7	309.7	310.7	309.7	306.7	311.7	318.7	317.7	322.7	317.7
75°	206.5	210.5	212.5	216.5	215.5	215.5	221.5	224.5	221.5	225.5	221.5
77.5°	117.3	120.3	126.3	130.3	134.3	137.3	141.3	143.3	142.3	144.3	142.3
80°	68.1	69.2	74.2	76.2	81.2	86.2	90.2	92.2	93.2	94.2	93.2
82.5°	39.1	40.1	42.1	44.1	48.1	52.1	56.1	59.1	59.1	60.1	59.1
85°	19.0	19.0	20.0	21.0	23.1	26.1	29.1	32.1	33.1	33.1	33.1
87.5°	3.0	3.0	4.0	4.0	5.0	6.0	8.0	10.0	11.0	11.0	11.0
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)