

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P849331

Luminaire Tested: **GLAN-SB6B-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27539 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

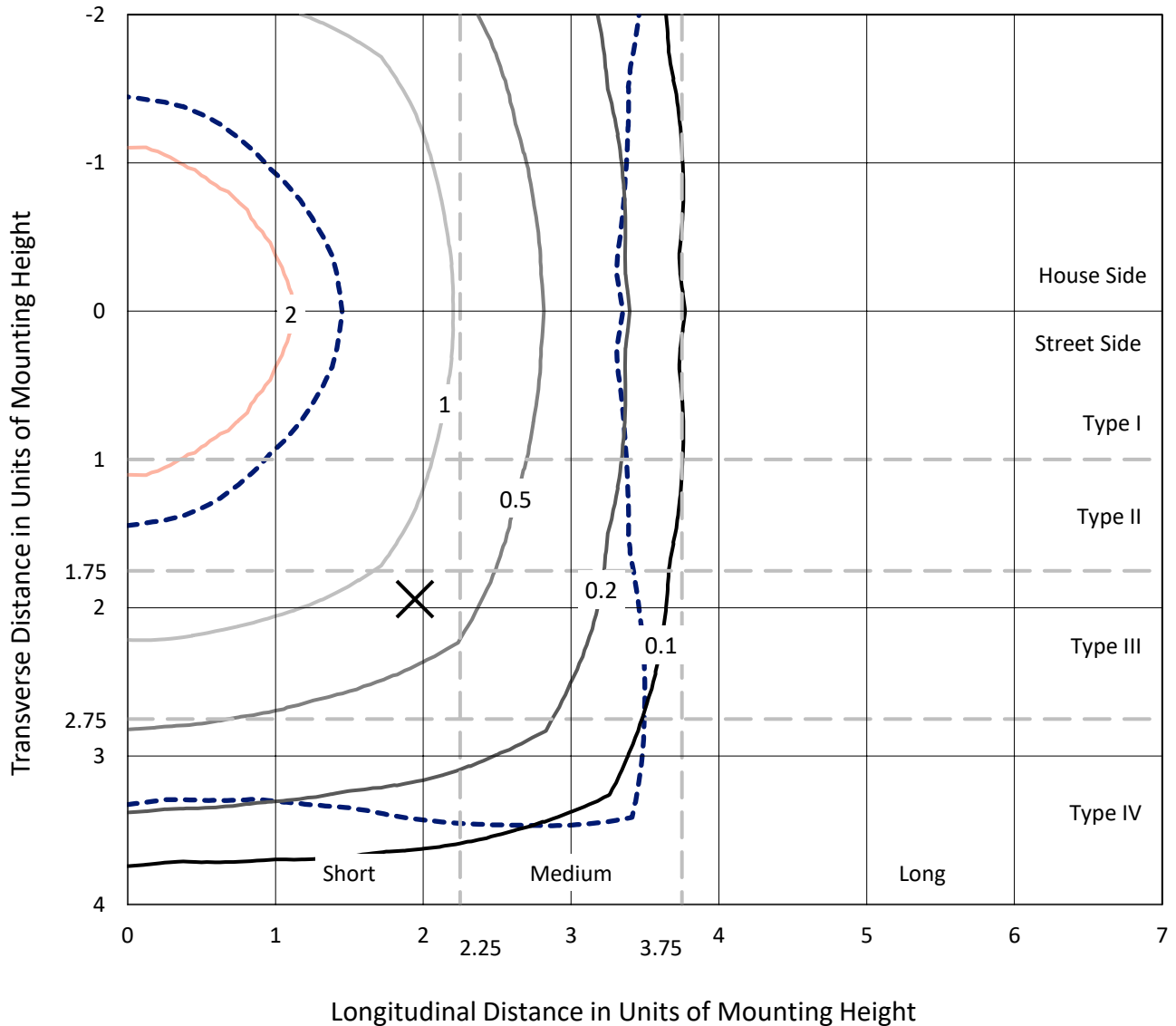
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

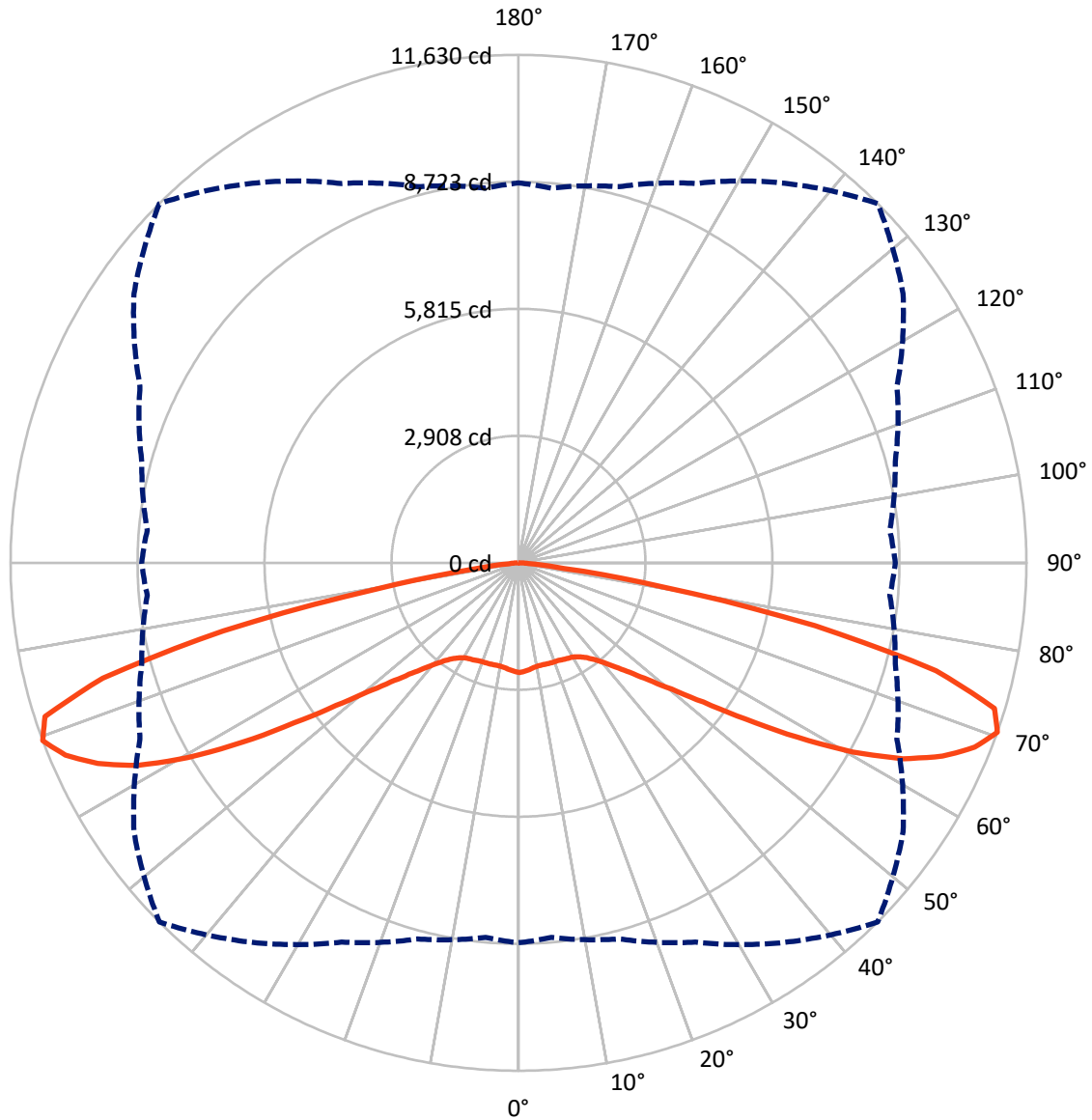
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13769.5	0.0	13769.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13769.5	0.0	13769.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27539.0	0.0	27539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.7	0.8
10°-20°	686.2	2.5
20°-30°	1141.9	4.1
30°-40°	1726.8	6.3
40°-50°	2869.6	10.4
50°-60°	5414.9	19.7
60°-70°	9143.2	33.2
70°-80°	6008.0	21.8
80°-90°	314.8	1.1
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°	27539.0	100.0
0°-180°	27539.0	100.0

Coefficient of Utilization



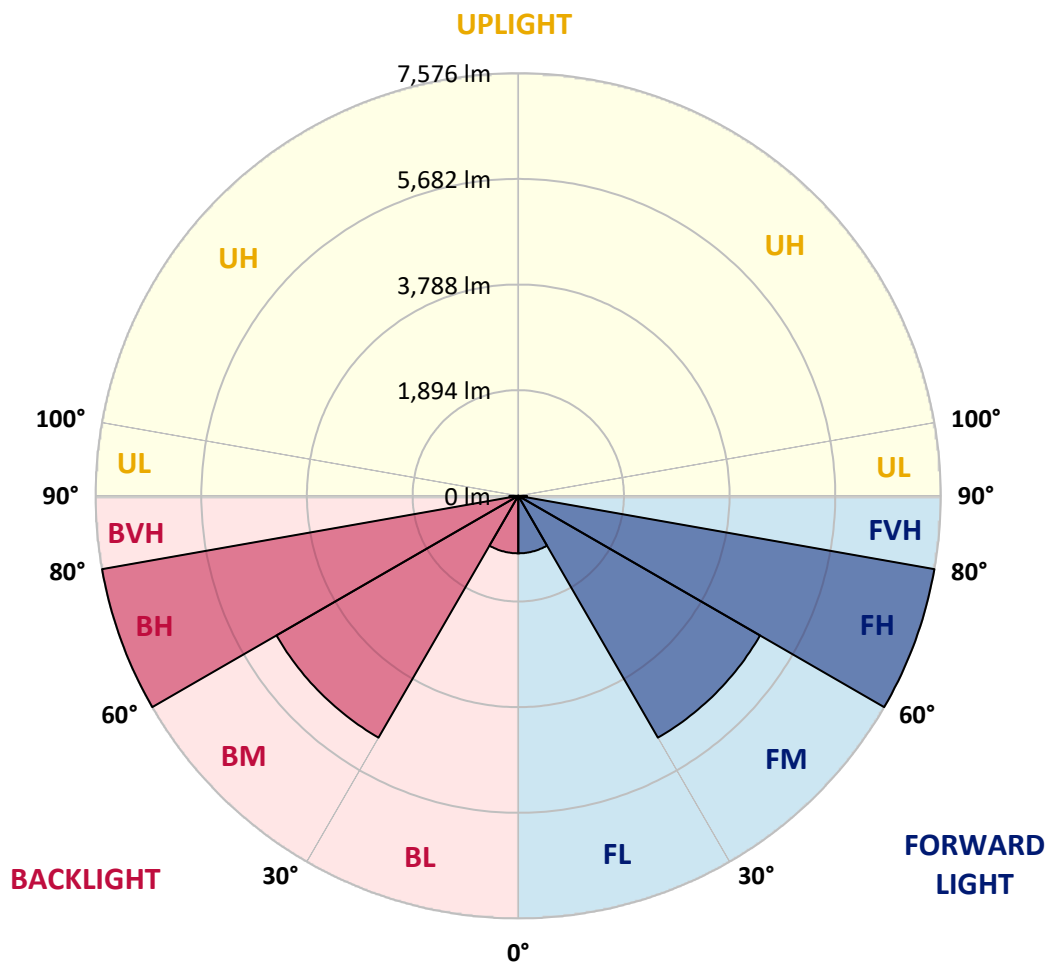
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.9	3.7			
FM (30°-60°)	5005.7	18.2			
FH (60°-80°)	7575.6	27.5			G4/12000
FVH (80°-90°)	157.4	0.6			G2/225
BL (0°-30°)	1030.9	3.7	B3/2500		
BM (30°-60°)	5005.7	18.2	B4/8500		
BH (60°-80°)	7575.6	27.5	B5		G4/12000
BVH (80°-90°)	157.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2512.1	2512.1	2512.1	2512.1	2512.1	2512.1	2512.1	2512.1	2512.1	2512.1
2.5°	2496.4	2503.5	2500.7	2494.9	2494.9	2490.6	2494.9	2497.8	2502.1	2505.0
5°	2463.4	2469.2	2467.7	2463.4	2464.9	2460.6	2463.4	2467.7	2470.6	2472.0
7.5°	2434.8	2440.5	2437.7	2430.5	2430.5	2426.2	2427.7	2432.0	2436.2	2437.7
10°	2427.7	2433.4	2424.8	2413.3	2409.1	2403.3	2404.8	2409.1	2417.6	2421.9
12.5°	2430.5	2434.8	2426.2	2409.1	2404.8	2399.0	2399.0	2403.3	2414.8	2420.5
15°	2439.1	2443.4	2430.5	2411.9	2407.6	2403.3	2401.9	2407.6	2420.5	2430.5
17.5°	2454.9	2459.1	2439.1	2413.3	2407.6	2409.1	2407.6	2411.9	2432.0	2450.6
20°	2469.2	2472.0	2444.8	2413.3	2407.6	2409.1	2407.6	2416.2	2442.0	2467.7
22.5°	2473.5	2476.3	2450.6	2423.4	2419.1	2420.5	2419.1	2427.7	2452.0	2477.8
25°	2474.9	2479.2	2459.1	2437.7	2444.8	2447.7	2444.8	2446.3	2464.9	2487.8
27.5°	2496.4	2502.1	2483.5	2464.9	2469.2	2467.7	2472.0	2476.3	2490.6	2513.5
30°	2540.7	2545.0	2529.3	2510.7	2507.8	2497.8	2510.7	2525.0	2540.7	2560.8
32.5°	2613.7	2622.3	2602.3	2582.2	2569.4	2563.6	2573.7	2598.0	2619.5	2640.9
35°	2735.4	2741.1	2722.5	2685.3	2662.4	2662.4	2671.0	2702.5	2736.8	2764.0
37.5°	2907.2	2914.3	2881.4	2837.0	2802.7	2802.7	2814.1	2847.1	2898.6	2937.2
40°	3116.2	3126.2	3084.7	3038.9	3005.9	3000.2	3014.5	3051.7	3100.4	3149.1
42.5°	3368.1	3379.5	3325.1	3285.1	3259.3	3259.3	3266.5	3300.8	3345.2	3405.3
45°	3690.2	3710.2	3635.8	3595.7	3571.3	3577.1	3581.4	3611.4	3651.5	3720.2
47.5°	4073.8	4093.8	4015.1	3973.6	3969.3	3996.5	3979.3	4000.8	4022.2	4101.0
50°	4508.9	4543.3	4488.9	4486.0	4494.6	4544.7	4504.6	4516.1	4491.7	4541.8
52.5°	5041.4	5091.5	5081.5	5098.7	5194.6	5297.6	5206.0	5165.9	5074.3	5090.1
55°	5687.0	5762.8	5777.1	5880.2	6097.8	6308.2	6113.5	5951.8	5757.1	5721.3
57.5°	6421.3	6481.4	6550.1	6760.5	7167.0	7540.6	7167.0	6809.2	6502.9	6429.9
60°	7211.4	7285.8	7351.7	7662.3	8266.3	8791.7	8254.9	7686.6	7281.5	7182.8
62.5°	8060.2	8156.1	8201.9	8546.9	9251.2	9878.1	9261.2	8572.7	8123.2	8017.3
65°	8874.7	8953.4	9005.0	9372.8	10045.6	10674.0	10091.4	9412.9	8950.6	8811.7
67.5°	9254.0	9297.0	9422.9	9839.5	10549.4	11266.6	10669.7	9883.8	9367.1	9123.8
70°	8698.6	8611.3	8914.8	9581.8	10609.6	11630.1	10747.0	9561.8	8929.1	8534.0
72.5°	6721.9	6571.6	7098.3	8239.2	9922.5	11398.3	9991.2	8303.6	7426.1	6624.5
75°	3657.2	3486.9	4214.0	5656.9	7912.8	9879.5	8094.6	5818.7	4692.1	3630.0
77.5°	1032.0	967.6	1554.5	2736.8	4759.4	6936.6	4942.6	2797.0	1843.6	1093.6
80°	316.3	306.3	415.1	824.5	2021.1	3322.3	1942.4	834.5	528.2	333.5
82.5°	187.5	171.8	206.1	300.6	515.3	1043.5	501.0	313.5	251.9	168.9
85°	107.4	100.2	121.7	146.0	173.2	221.9	144.6	148.9	134.6	90.2
87.5°	44.4	40.1	47.2	45.8	40.1	51.5	38.6	45.8	54.4	35.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2512.1
2503.5
2472.0
2437.7
2421.9
2421.9
2432.0
2450.6
2469.2
2477.8
2486.3
2507.8
2556.5
2632.3
2754.0
2922.9
3133.3
3401.0
3717.4
4078.1
4511.8
5037.1
5665.5
6378.3
7096.9
7931.4
8743.0
9126.6
8628.5
6823.5
3866.2
1215.3
352.1
183.2
94.5
32.9
0.0

OF REPORT)