

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: P850061

Luminaire Tested: **GLAN-SB7B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850061
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-SB7B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 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: 26086 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

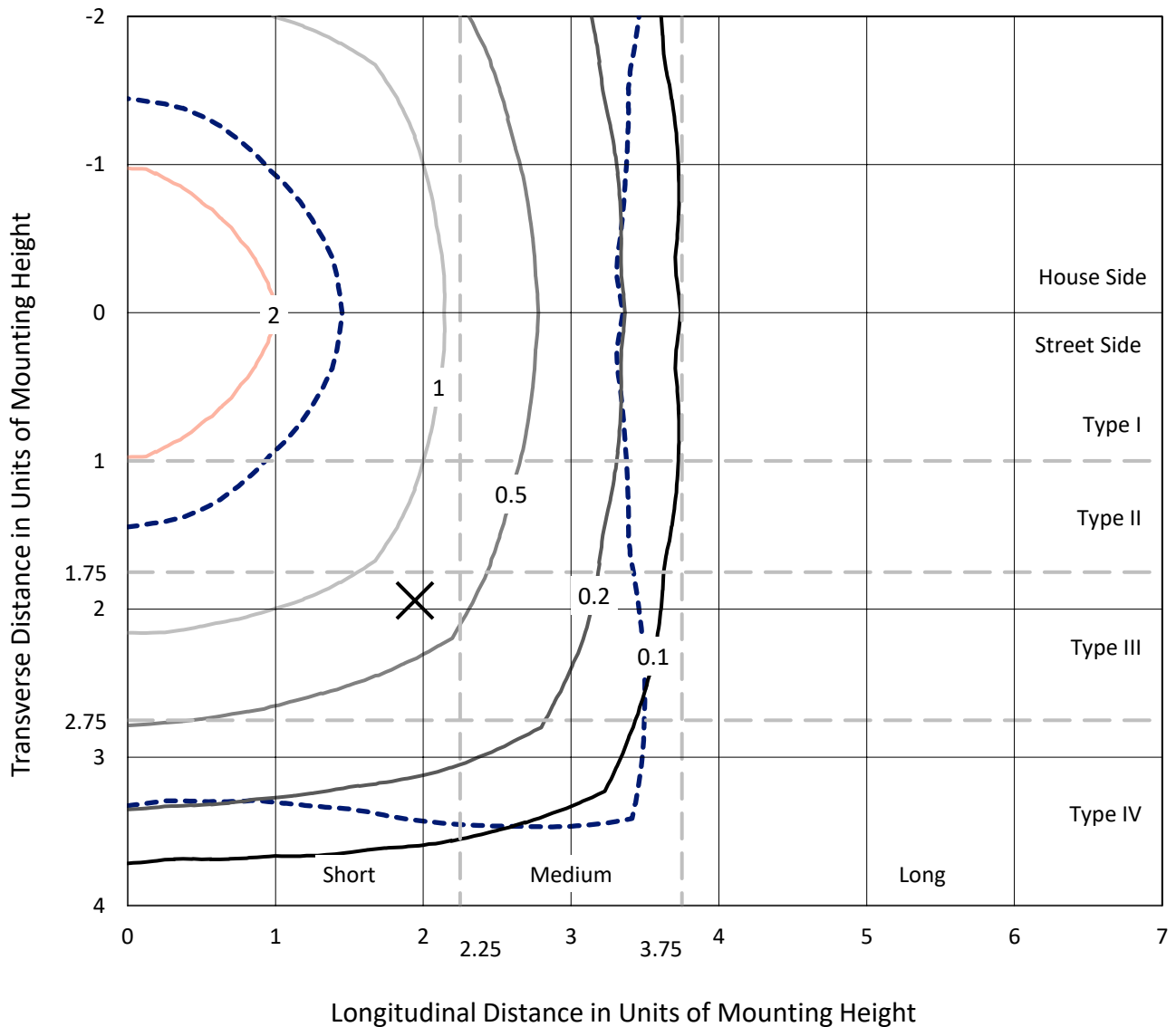
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

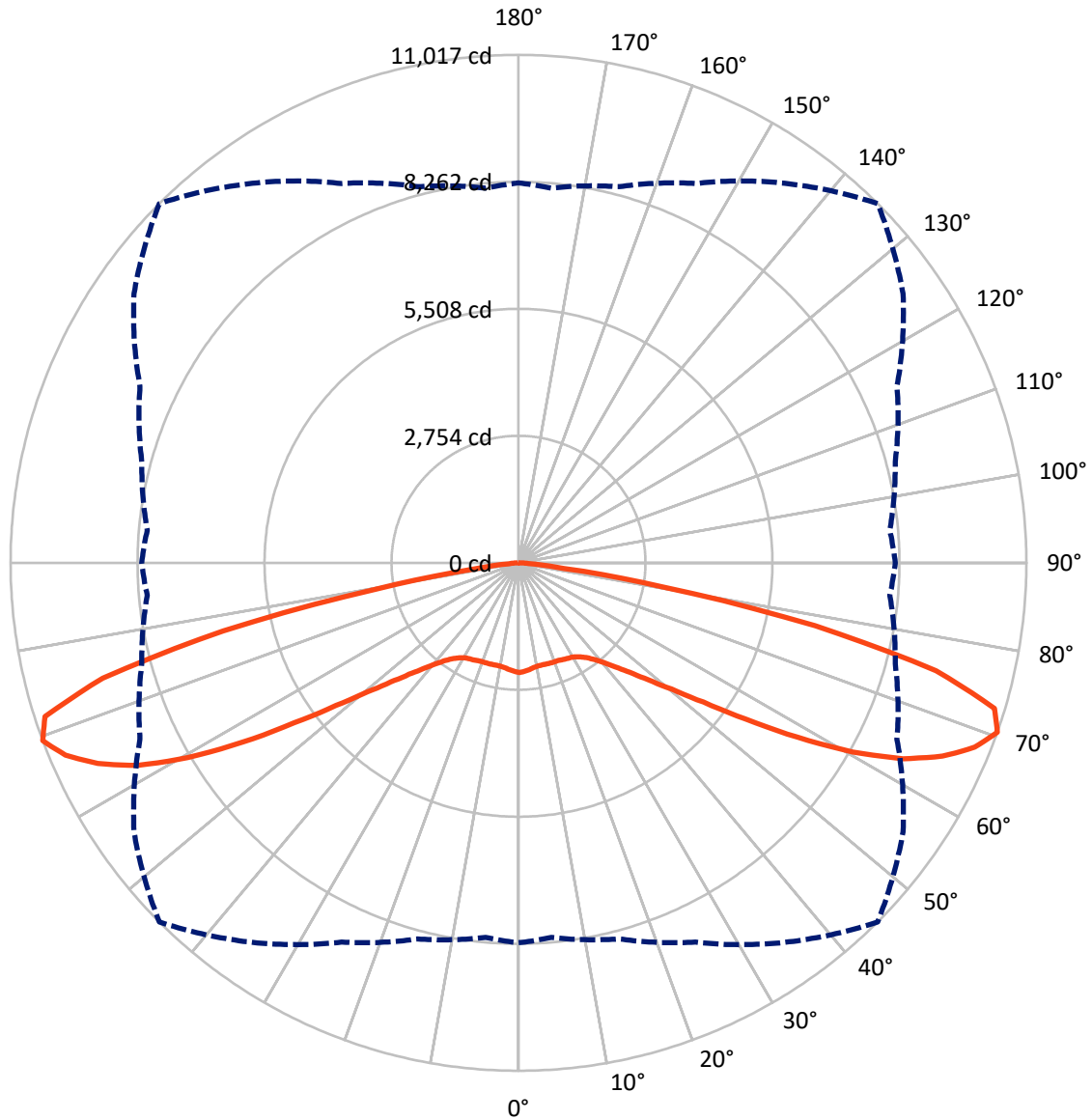
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	13043.0	0.0	13043.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13043.0	0.0	13043.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26086.0	0.0	26086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	0.8
10°-20°	650.0	2.5
20°-30°	1081.6	4.1
30°-40°	1635.7	6.3
40°-50°	2718.2	10.4
50°-60°	5129.2	19.7
60°-70°	8660.8	33.2
70°-80°	5691.0	21.8
80°-90°	298.1	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°	26086.0	100.0
0°-180°	26086.0	100.0

Coefficient of Utilization



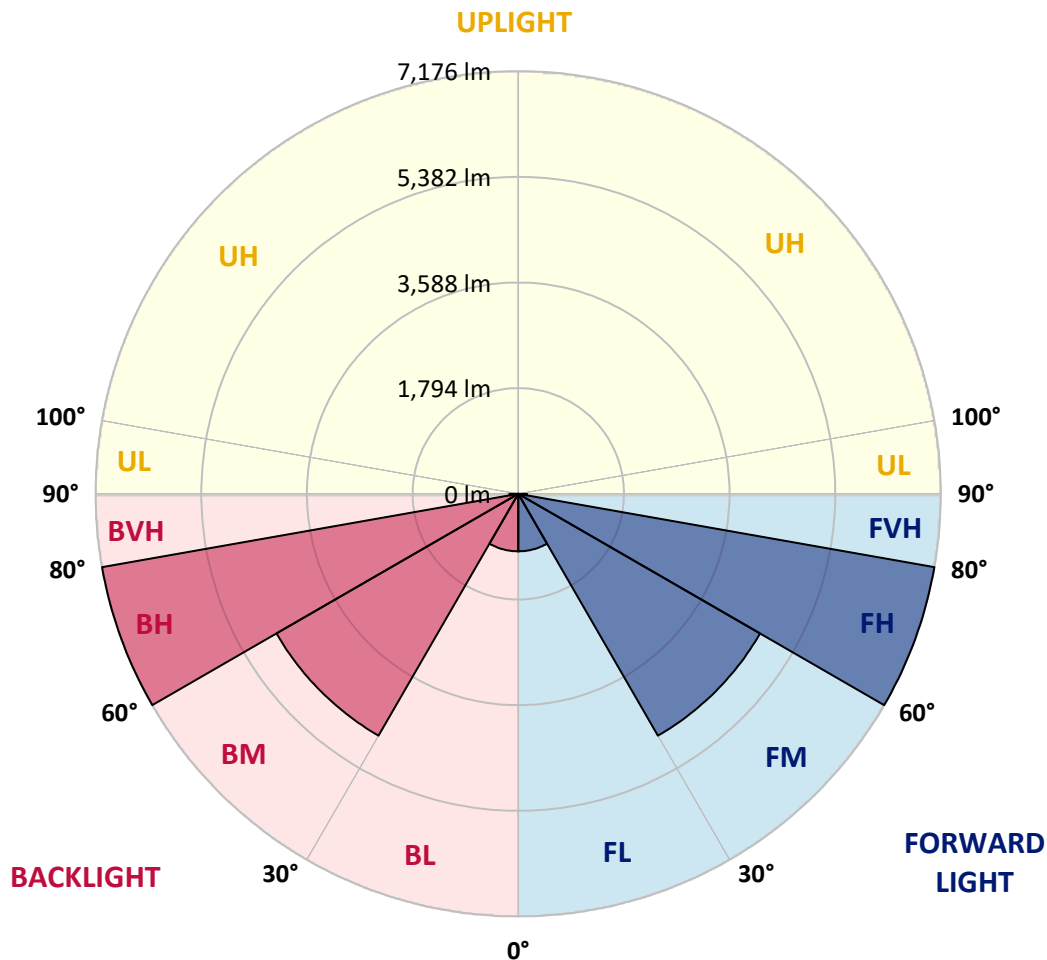
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	976.5	3.7			
FM (30°-60°)	4741.5	18.2			
FH (60°-80°)	7175.9	27.5			G3/7500
FVH (80°-90°)	149.1	0.6			G2/225
BL (0°-30°)	976.5	3.7	B2/1000		
BM (30°-60°)	4741.5	18.2	B3/5000		
BH (60°-80°)	7175.9	27.5	B5		G3/7500
BVH (80°-90°)	149.1	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6	2379.6
2.5°	2364.7	2371.4	2368.7	2363.3	2363.3	2359.2	2363.3	2366.0	2370.1	2372.8
5°	2333.5	2338.9	2337.5	2333.5	2334.8	2330.8	2333.5	2337.5	2340.2	2341.6
7.5°	2306.4	2311.8	2309.1	2302.3	2302.3	2298.2	2299.6	2303.6	2307.7	2309.1
10°	2299.6	2305.0	2296.9	2286.0	2281.9	2276.5	2277.9	2281.9	2290.1	2294.1
12.5°	2302.3	2306.4	2298.2	2281.9	2277.9	2272.5	2272.5	2276.5	2287.4	2292.8
15°	2310.4	2314.5	2302.3	2284.7	2280.6	2276.5	2275.2	2280.6	2292.8	2302.3
17.5°	2325.3	2329.4	2310.4	2286.0	2280.6	2281.9	2280.6	2284.7	2303.6	2321.3
20°	2338.9	2341.6	2315.8	2286.0	2280.6	2281.9	2280.6	2288.7	2313.1	2337.5
22.5°	2343.0	2345.7	2321.3	2295.5	2291.4	2292.8	2291.4	2299.6	2322.6	2347.0
25°	2344.3	2348.4	2329.4	2309.1	2315.8	2318.6	2315.8	2317.2	2334.8	2356.5
27.5°	2364.7	2370.1	2352.5	2334.8	2338.9	2337.5	2341.6	2345.7	2359.2	2380.9
30°	2406.7	2410.8	2395.8	2378.2	2375.5	2366.0	2378.2	2391.8	2406.7	2425.7
32.5°	2475.8	2484.0	2465.0	2446.0	2433.8	2428.4	2437.9	2460.9	2481.3	2501.6
35°	2591.1	2596.5	2578.9	2543.6	2521.9	2521.9	2530.1	2559.9	2592.4	2618.2
37.5°	2753.8	2760.6	2729.4	2687.4	2654.8	2654.8	2665.7	2696.8	2745.7	2782.3
40°	2951.7	2961.2	2921.9	2878.5	2847.3	2841.9	2855.5	2890.7	2936.8	2982.9
42.5°	3190.4	3201.2	3149.7	3111.7	3087.3	3087.3	3094.1	3126.7	3168.7	3225.6
45°	3495.5	3514.4	3443.9	3406.0	3382.9	3388.3	3392.4	3420.9	3458.8	3523.9
47.5°	3858.8	3877.8	3803.2	3763.9	3759.9	3785.6	3769.3	3789.7	3810.0	3884.6
50°	4271.0	4303.6	4252.0	4249.3	4257.5	4304.9	4267.0	4277.8	4254.7	4302.2
52.5°	4775.4	4822.9	4813.4	4829.6	4920.5	5018.1	4931.3	4893.4	4806.6	4821.5
55°	5386.9	5458.8	5472.3	5570.0	5776.0	5975.4	5791.0	5637.7	5453.3	5419.5
57.5°	6082.5	6139.4	6204.5	6403.8	6788.9	7142.8	6788.9	6449.9	6159.8	6090.6
60°	6830.9	6901.4	6963.8	7258.0	7830.2	8327.8	7819.4	7281.1	6897.4	6803.8
62.5°	7635.0	7725.8	7769.2	8096.0	8763.0	9356.9	8772.5	8120.4	7694.6	7594.3
65°	8406.5	8481.0	8529.8	8878.3	9515.6	10110.8	9559.0	8916.3	8478.3	8346.8
67.5°	8765.8	8806.4	8925.8	9320.3	9992.8	10672.1	10106.7	9362.3	8872.9	8642.4
70°	8239.7	8157.0	8444.4	9076.3	10049.8	11016.5	10179.9	9057.3	8458.0	8083.8
72.5°	6367.2	6224.8	6723.8	7804.4	9399.0	10796.9	9464.0	7865.5	7034.3	6275.0
75°	3464.3	3302.9	3991.7	5358.4	7495.3	9358.3	7667.5	5511.6	4444.6	3438.5
77.5°	977.6	916.6	1472.5	2592.4	4508.3	6570.6	4681.9	2649.4	1746.4	1035.9
80°	299.6	290.2	393.2	781.0	1914.5	3147.0	1839.9	790.5	500.3	315.9
82.5°	177.6	162.7	195.2	284.7	488.1	988.4	474.6	296.9	238.6	160.0
85°	101.7	94.9	115.2	138.3	164.1	210.2	136.9	141.0	127.5	85.4
87.5°	42.0	38.0	44.7	43.4	38.0	48.8	36.6	43.4	51.5	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2379.6
2371.4
2341.6
2309.1
2294.1
2294.1
2303.6
2321.3
2338.9
2347.0
2355.2
2375.5
2421.6
2493.5
2608.7
2768.7
2968.0
3221.6
3521.2
3862.9
4273.7
4771.3
5366.6
6041.8
6722.5
7512.9
8281.7
8645.1
8173.2
6463.5
3662.2
1151.1
333.5
173.6
89.5
31.2
0.0

OF REPORT)