

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: P848821

Luminaire Tested: **GLAN-SB5C-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848821
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-SB5C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30510 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

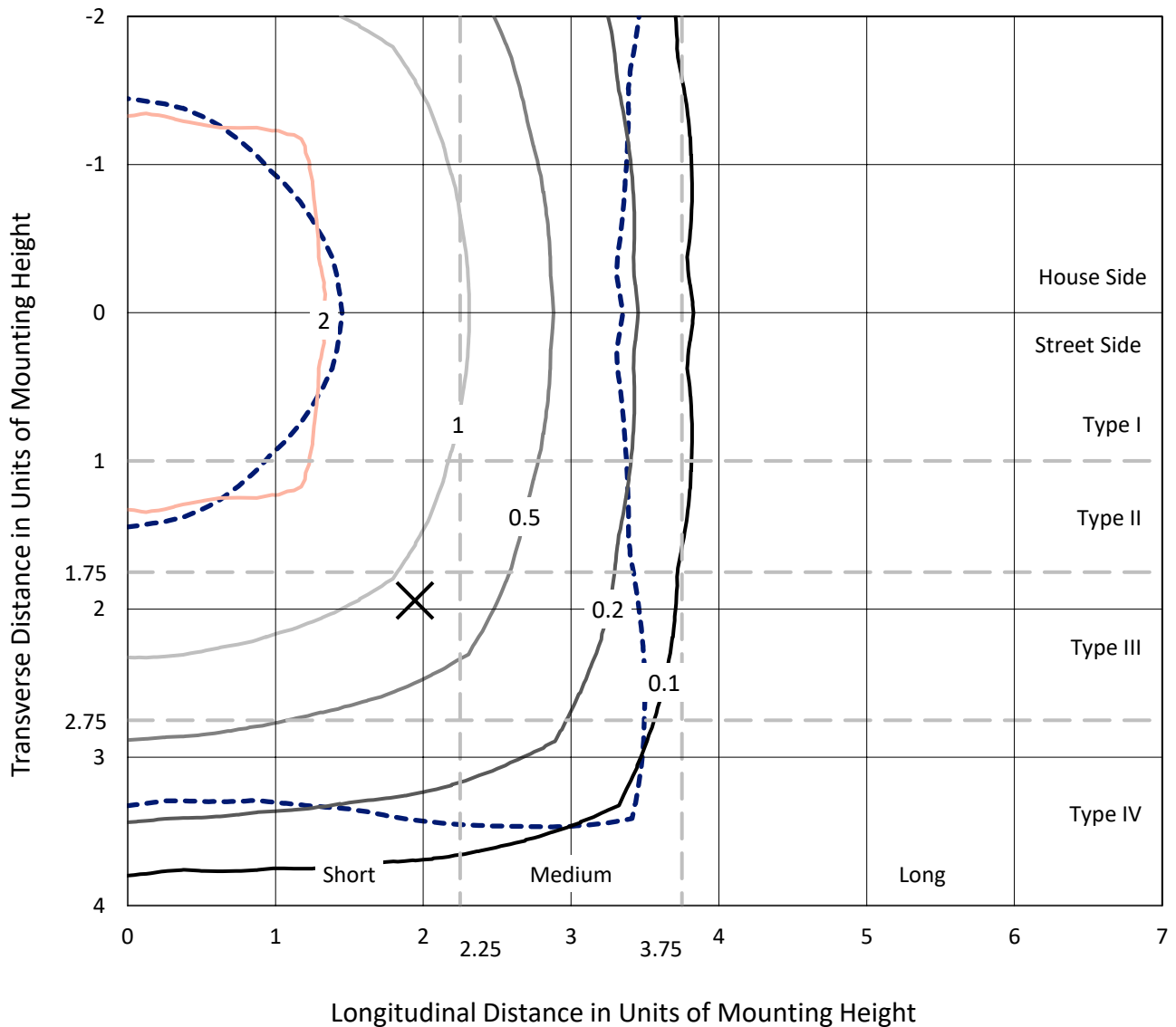
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

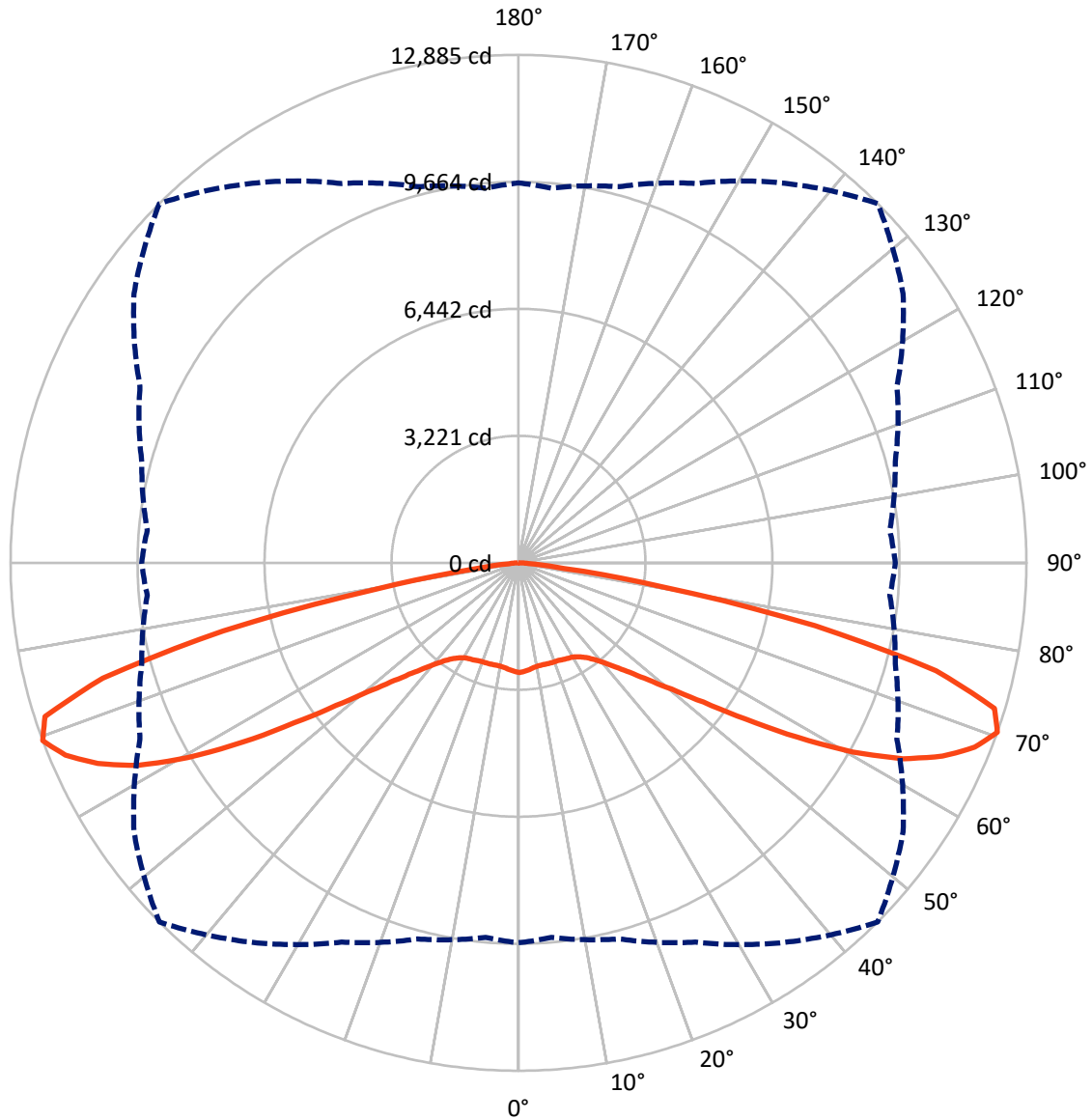
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	15255.0	0.0	15255.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15255.0	0.0	15255.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30510.0	0.0	30510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	0.8
10°-20°	760.2	2.5
20°-30°	1265.1	4.1
30°-40°	1913.1	6.3
40°-50°	3179.2	10.4
50°-60°	5999.0	19.7
60°-70°	10129.6	33.2
70°-80°	6656.2	21.8
80°-90°	348.7	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°	30510.0	100.0
0°-180°	30510.0	100.0

Coefficient of Utilization



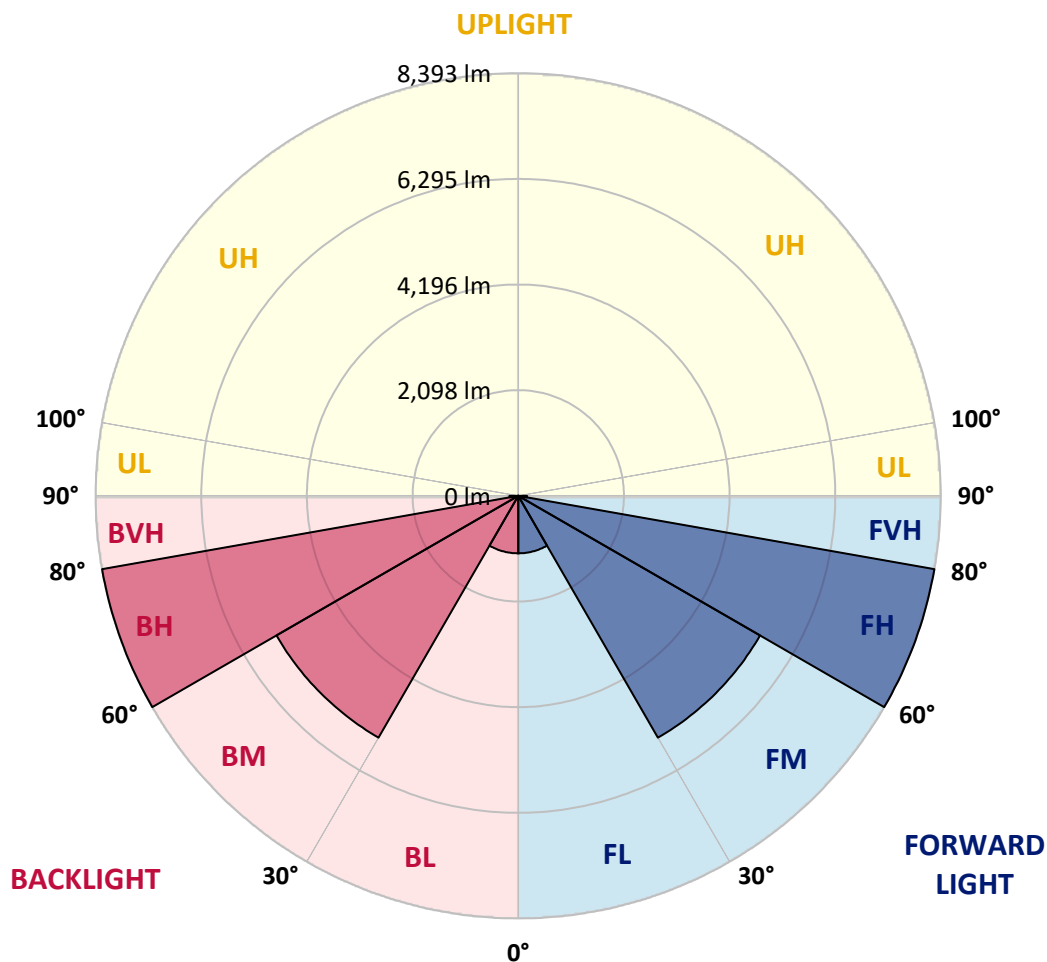
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.1	3.7			
FM (30°-60°)	5545.7	18.2			
FH (60°-80°)	8392.9	27.5			G4/12000
FVH (80°-90°)	174.4	0.6			G2/225
BL (0°-30°)	1142.1	3.7	B3/2500		
BM (30°-60°)	5545.7	18.2	B4/8500		
BH (60°-80°)	8392.9	27.5	B5		G4/12000
BVH (80°-90°)	174.4	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°	2783.1	2783.1	2783.1	2783.1	2783.1	2783.1	2783.1	2783.1	2783.1	2783.1
2.5°	2765.7	2773.6	2770.4	2764.1	2764.1	2759.3	2764.1	2767.3	2772.0	2775.2
5°	2729.2	2735.6	2734.0	2729.2	2730.8	2726.0	2729.2	2734.0	2737.1	2738.7
7.5°	2697.5	2703.8	2700.7	2692.7	2692.7	2688.0	2689.6	2694.3	2699.1	2700.7
10°	2689.6	2695.9	2686.4	2673.7	2668.9	2662.6	2664.2	2668.9	2678.5	2683.2
12.5°	2692.7	2697.5	2688.0	2668.9	2664.2	2657.8	2657.8	2662.6	2675.3	2681.6
15°	2702.2	2707.0	2692.7	2672.1	2667.4	2662.6	2661.0	2667.4	2681.6	2692.7
17.5°	2719.7	2724.5	2702.2	2673.7	2667.4	2668.9	2667.4	2672.1	2694.3	2714.9
20°	2735.6	2738.7	2708.6	2673.7	2667.4	2668.9	2667.4	2676.9	2705.4	2734.0
22.5°	2740.3	2743.5	2714.9	2684.8	2680.0	2681.6	2680.0	2689.6	2716.5	2745.1
25°	2741.9	2746.7	2724.5	2700.7	2708.6	2711.8	2708.6	2710.2	2730.8	2756.2
27.5°	2765.7	2772.0	2751.4	2730.8	2735.6	2734.0	2738.7	2743.5	2759.3	2784.7
30°	2814.8	2819.6	2802.2	2781.5	2778.4	2767.3	2781.5	2797.4	2814.8	2837.0
32.5°	2895.7	2905.2	2883.0	2860.8	2846.6	2840.2	2851.3	2878.3	2902.1	2925.9
35°	3030.5	3036.9	3016.2	2975.0	2949.6	2949.6	2959.2	2994.0	3032.1	3062.2
37.5°	3220.8	3228.7	3192.3	3143.1	3105.0	3105.0	3117.7	3154.2	3211.3	3254.1
40°	3452.3	3463.4	3417.5	3366.7	3330.2	3323.9	3339.8	3381.0	3434.9	3488.8
42.5°	3731.5	3744.1	3683.9	3639.5	3610.9	3610.9	3618.9	3656.9	3706.1	3772.7
45°	4088.3	4110.5	4028.0	3983.6	3956.6	3963.0	3967.7	4001.0	4045.4	4121.6
47.5°	4513.3	4535.5	4448.2	4402.3	4397.5	4427.6	4408.6	4432.4	4456.2	4543.4
50°	4995.4	5033.4	4973.2	4970.0	4979.5	5035.0	4990.6	5003.3	4976.3	5031.8
52.5°	5585.3	5640.8	5629.7	5648.7	5755.0	5869.1	5767.7	5723.2	5621.8	5639.2
55°	6300.5	6384.5	6400.4	6514.6	6755.6	6988.7	6773.1	6593.9	6378.2	6338.6
57.5°	7114.0	7180.6	7256.7	7489.9	7940.2	8354.1	7940.2	7543.8	7204.4	7123.5
60°	7989.4	8071.9	8144.8	8488.9	9158.2	9740.1	9145.5	8515.9	8067.1	7957.7
62.5°	8929.8	9036.0	9086.8	9469.0	10249.2	10943.8	10260.3	9497.5	8999.6	8882.2
65°	9832.1	9919.3	9976.4	10384.0	11129.3	11825.5	11180.1	10428.4	9916.2	9762.4
67.5°	10252.4	10299.9	10439.5	10901.0	11687.5	12482.0	11820.8	10950.1	10377.7	10108.1
70°	9637.1	9540.3	9876.5	10615.5	11754.1	12884.8	11906.4	10593.3	9892.4	9454.7
72.5°	7447.0	7280.5	7864.1	9128.0	10993.0	12627.9	11069.1	9199.4	8227.3	7339.2
75°	4051.8	3863.1	4668.7	6267.2	8766.5	10945.4	8967.9	6446.4	5198.3	4021.7
77.5°	1143.4	1072.0	1722.2	3032.1	5272.9	7684.9	5475.9	3098.7	2042.5	1211.6
80°	350.5	339.4	459.9	913.4	2239.2	3680.7	2152.0	924.5	585.2	369.5
82.5°	207.7	190.3	228.4	333.0	570.9	1156.1	555.0	347.3	279.1	187.1
85°	118.9	111.0	134.8	161.8	191.9	245.8	160.2	164.9	149.1	99.9
87.5°	49.2	44.4	52.3	50.7	44.4	57.1	42.8	50.7	60.3	39.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2783.1
2773.6
2738.7
2700.7
2683.2
2683.2
2694.3
2714.9
2735.6
2745.1
2754.6
2778.4
2832.3
2916.3
3051.1
3238.3
3471.4
3767.9
4118.4
4518.0
4998.5
5580.5
6276.7
7066.4
7862.5
8787.1
9686.2
10111.2
9559.4
7559.6
4283.3
1346.4
390.1
203.0
104.7
36.5
0.0

OF REPORT)