

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: P848514

Luminaire Tested: **GLAN-SB5A-840-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19935 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

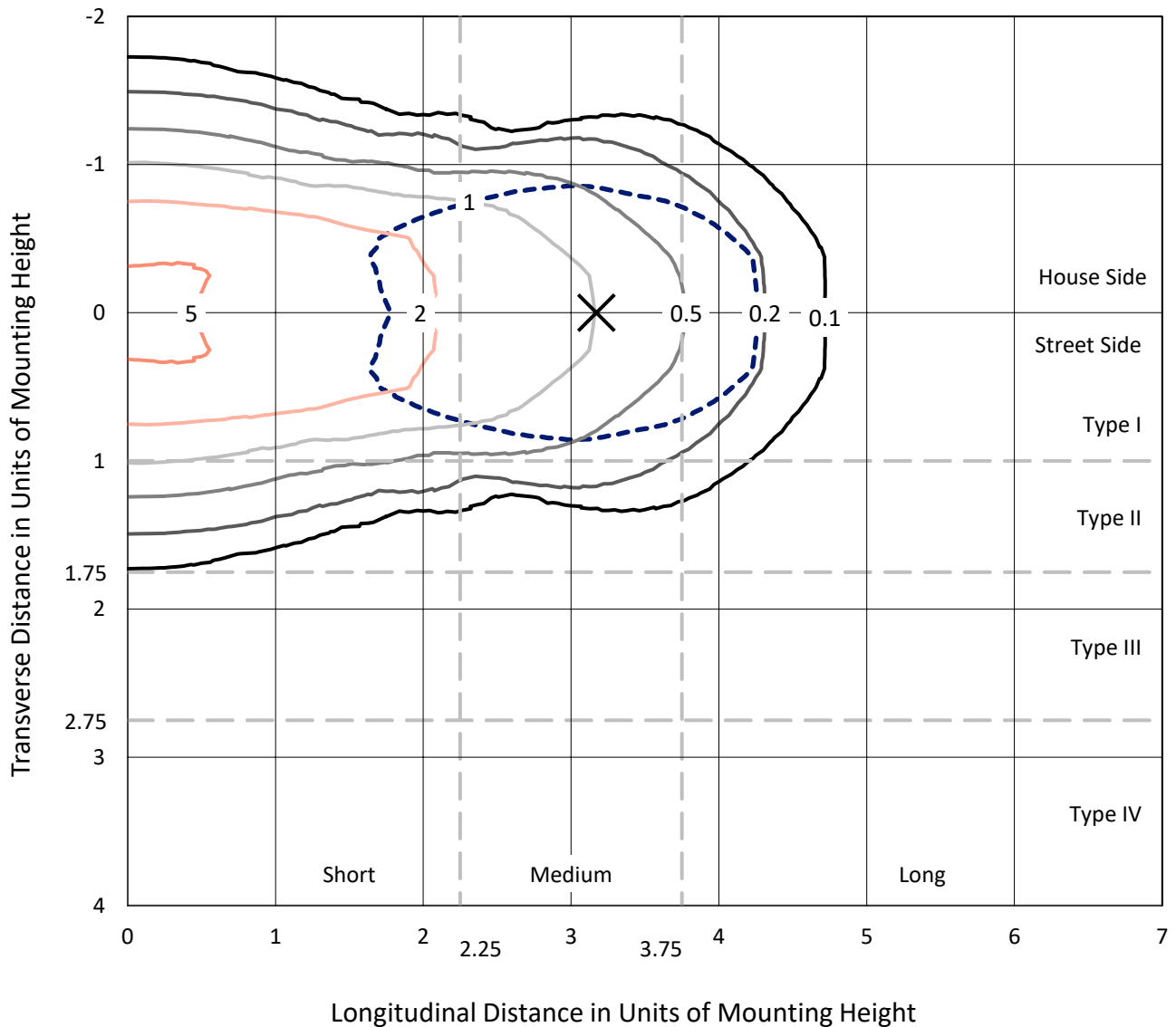
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

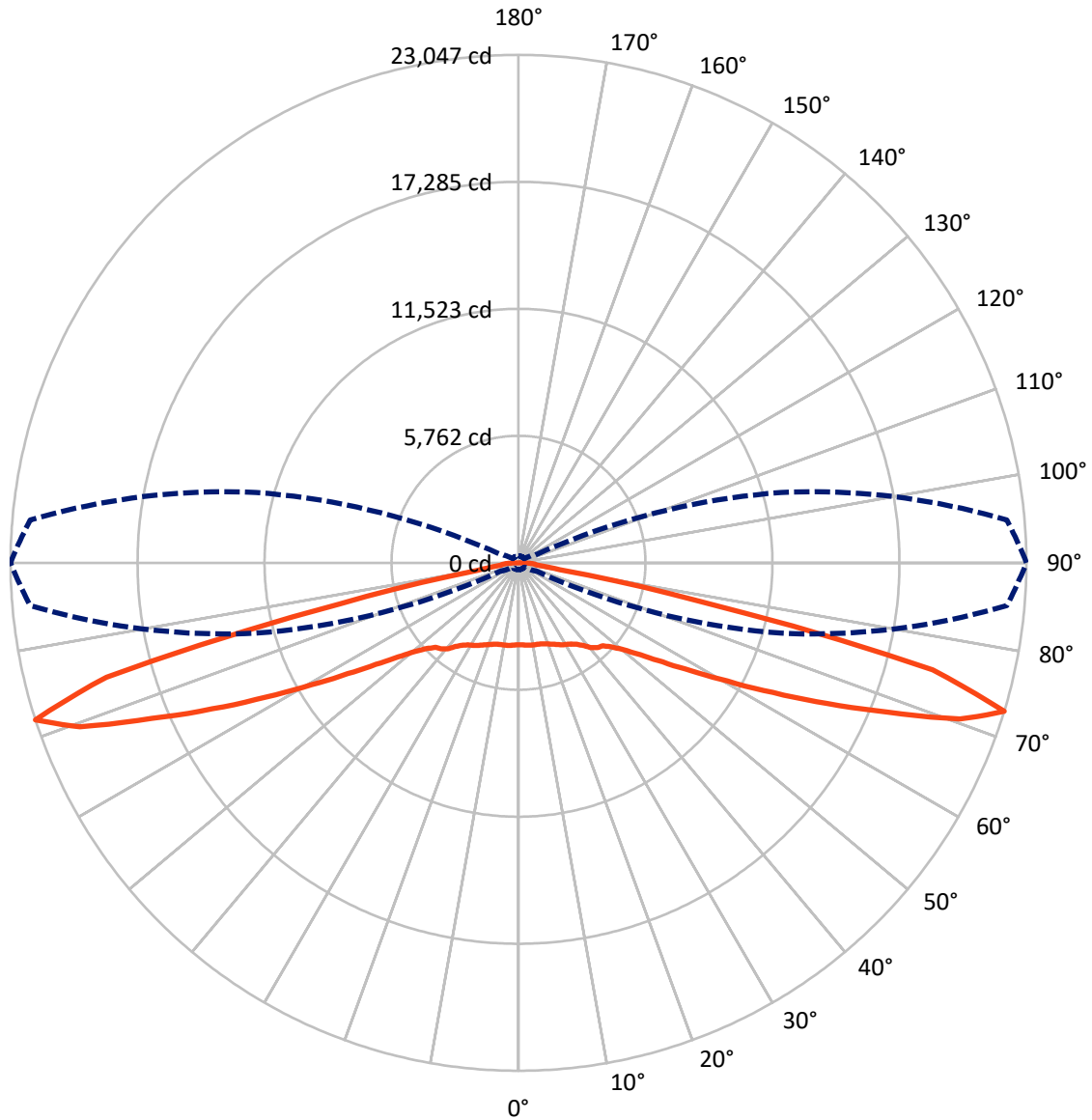
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9967.5	0.0	9967.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9967.5	0.0	9967.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19935.0	0.0	19935.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.2	1.8
10°-20°	1104.4	5.5
20°-30°	1841.4	9.2
30°-40°	2532.6	12.7
40°-50°	3092.9	15.5
50°-60°	3577.3	17.9
60°-70°	4265.4	21.4
70°-80°	2976.9	14.9
80°-90°	182.8	0.9
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°	19935.0	100.0
0°-180°	19935.0	100.0

**Coefficient of Utilization**

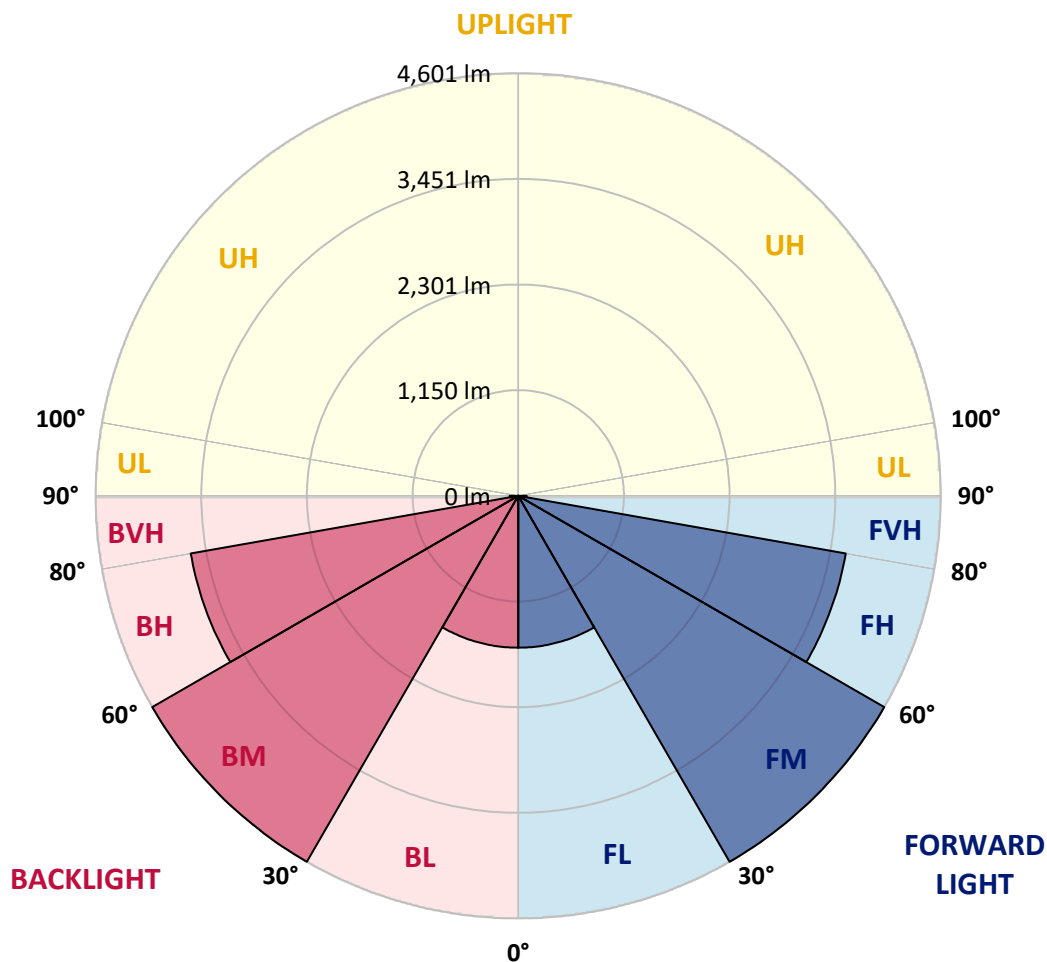


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1653.5	8.3			
FM (30°-60°)	4601.4	23.1			
FH (60°-80°)	3621.2	18.2			G2/5000
FVH (80°-90°)	91.4	0.5			G1/100
BL (0°-30°)	1653.5	8.3	B3/2500		
BM (30°-60°)	4601.4	23.1	B3/5000		
BH (60°-80°)	3621.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	91.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3725.1	3725.1	3725.1	3725.1	3725.1	3725.1	3725.1	3725.1	3725.1	3725.1
2.5°	3728.2	3732.5	3732.5	3729.3	3736.7	3730.4	3730.4	3727.2	3730.4	3727.2
5°	3747.3	3752.6	3754.7	3753.7	3763.2	3757.9	3757.9	3753.7	3754.7	3751.6
7.5°	3783.3	3790.8	3795.0	3800.3	3814.1	3807.7	3803.5	3790.8	3785.5	3777.0
10°	3795.0	3803.5	3817.2	3844.8	3876.6	3877.6	3864.9	3833.1	3808.8	3789.7
12.5°	3759.0	3770.6	3799.2	3855.4	3926.4	3955.0	3934.8	3881.9	3834.2	3800.3
15°	3713.4	3726.1	3769.6	3854.3	3959.2	4026.0	4023.8	3953.9	3877.6	3824.7
17.5°	3642.4	3655.1	3717.6	3836.3	3984.6	4094.8	4124.5	4052.4	3945.4	3874.4
20°	3514.2	3525.9	3612.8	3779.1	3993.1	4167.9	4245.3	4181.7	4048.2	3951.8
22.5°	3347.9	3365.9	3467.6	3680.6	3973.0	4244.2	4383.0	4339.6	4167.9	4034.4
25°	3169.9	3189.0	3307.6	3559.8	3921.1	4299.3	4546.1	4518.6	4303.5	4137.2
27.5°	3016.3	3036.4	3165.7	3440.1	3840.5	4320.5	4707.2	4721.0	4467.7	4250.6
30°	2895.5	2914.6	3052.3	3343.7	3736.7	4299.3	4848.1	4943.4	4635.1	4349.1
32.5°	2763.1	2787.4	2932.6	3226.1	3613.8	4248.4	4971.0	5183.9	4829.0	4455.0
35°	2595.7	2617.9	2770.5	3065.0	3452.8	4166.9	5073.8	5450.9	5106.6	4616.1
37.5°	2392.3	2413.5	2565.0	2863.7	3292.8	4052.4	5152.2	5751.8	5437.2	4848.1
40°	2187.8	2207.9	2349.9	2639.1	3101.0	3906.2	5179.7	6046.3	5816.4	5167.0
42.5°	2000.3	2018.3	2148.6	2417.7	2886.0	3719.8	5143.7	6302.7	6156.5	5389.5
45°	1827.6	1843.5	1958.9	2210.0	2662.4	3493.0	5035.6	6578.2	6561.2	5548.4
47.5°	1630.5	1646.4	1766.1	2008.7	2438.9	3227.1	4852.3	6849.4	7123.8	5908.6
50°	1390.0	1403.8	1526.7	1776.7	2206.9	2944.2	4598.1	7062.4	7833.7	6454.2
52.5°	1105.0	1119.9	1239.6	1489.6	1931.4	2640.2	4263.3	7201.2	8653.7	7251.0
55°	822.1	832.7	936.6	1161.2	1590.3	2293.7	3843.7	7240.4	9583.9	8340.1
57.5°	596.5	602.8	669.6	837.0	1205.7	1860.4	3334.1	7138.6	10691.0	9736.4
60°	483.1	485.2	505.4	579.5	838.0	1370.9	2718.6	6789.0	11892.5	11536.5
62.5°	438.6	438.6	443.9	464.0	566.8	904.8	1973.8	6064.4	13180.8	13811.1
65°	407.9	407.9	410.0	419.5	447.1	576.3	1245.9	4884.1	14266.7	16475.7
67.5°	380.3	381.4	380.3	383.5	399.4	425.9	722.6	3373.3	14851.5	19236.6
70°	351.7	353.9	348.6	348.6	361.3	362.3	452.4	1849.8	14366.3	21550.5
72.5°	317.8	321.0	312.5	310.4	320.0	315.7	340.1	887.8	12334.2	22241.3
75°	288.2	292.4	273.3	268.0	268.0	264.9	276.5	455.6	8005.3	18143.3
77.5°	261.7	270.2	239.4	222.5	218.2	208.7	225.7	278.6	3501.5	8518.1
80°	216.1	227.8	197.1	176.9	169.5	158.9	178.0	194.9	1041.5	1978.0
82.5°	161.0	166.3	139.8	126.1	119.7	112.3	133.5	135.6	339.0	700.3
85°	102.8	104.9	85.8	74.2	71.0	67.8	84.8	74.2	129.3	514.9
87.5°	36.0	41.3	32.8	29.7	31.8	26.5	39.2	22.2	36.0	363.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3725.1  
3727.2  
3751.6  
3777.0  
3786.5  
3795.0  
3816.2  
3862.8  
3933.8  
4010.1  
4103.3  
4214.5  
4297.2  
4389.3  
4543.0  
4750.6  
5063.2  
5256.0  
5368.3  
5701.0  
6193.6  
6929.9  
7938.5  
9231.1  
10899.7  
12958.3  
15397.1  
18072.3  
21244.3  
23046.5  
19406.1  
8341.1  
1894.3  
791.4  
748.0  
450.3  
0.0

OF REPORT)