

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: P848004

Luminaire Tested: **GLAN-SB4B-840-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848004  
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-SB4B-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19854 lumens  
Efficiency: N/A  
Efficacy: 135.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

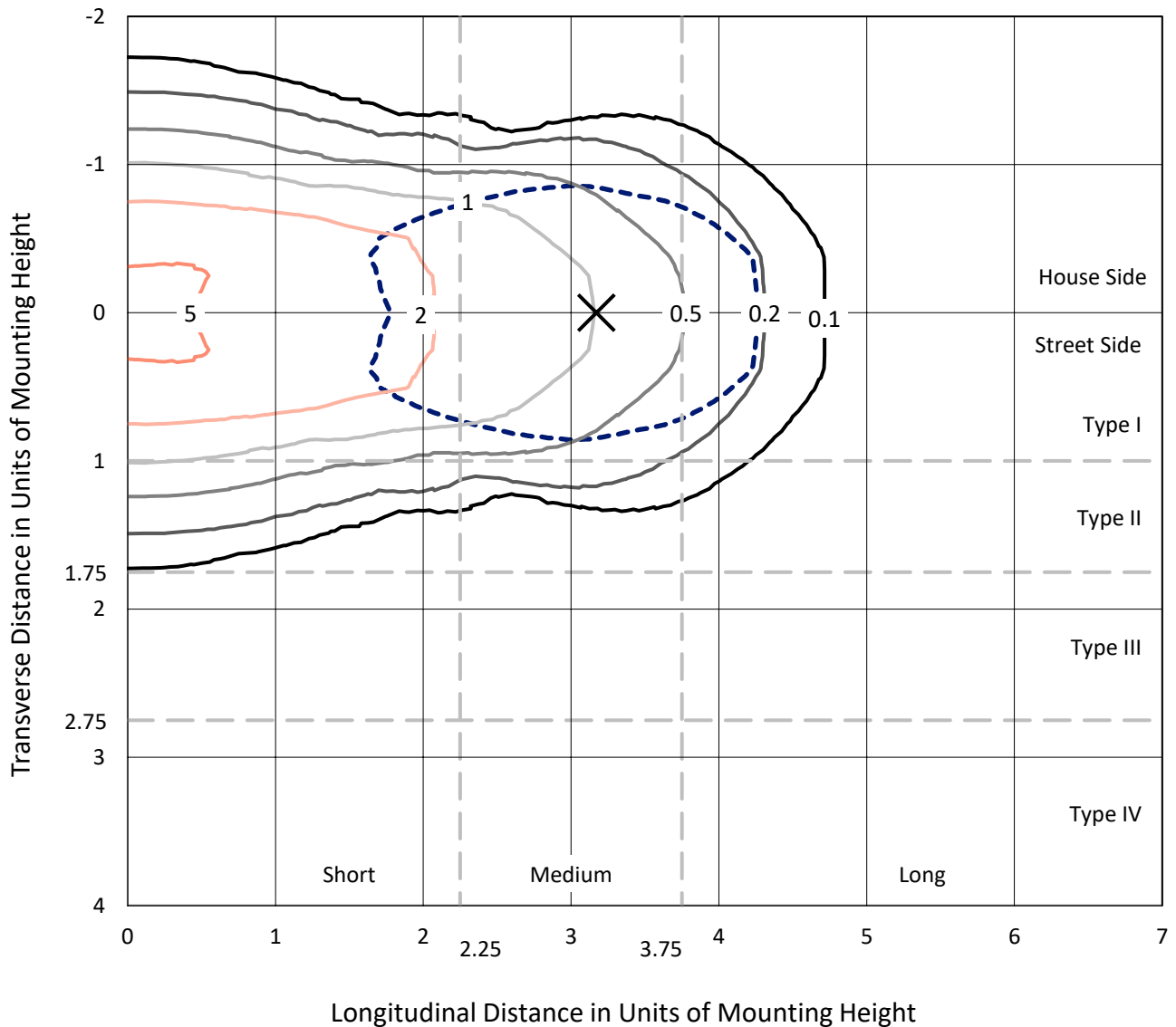
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

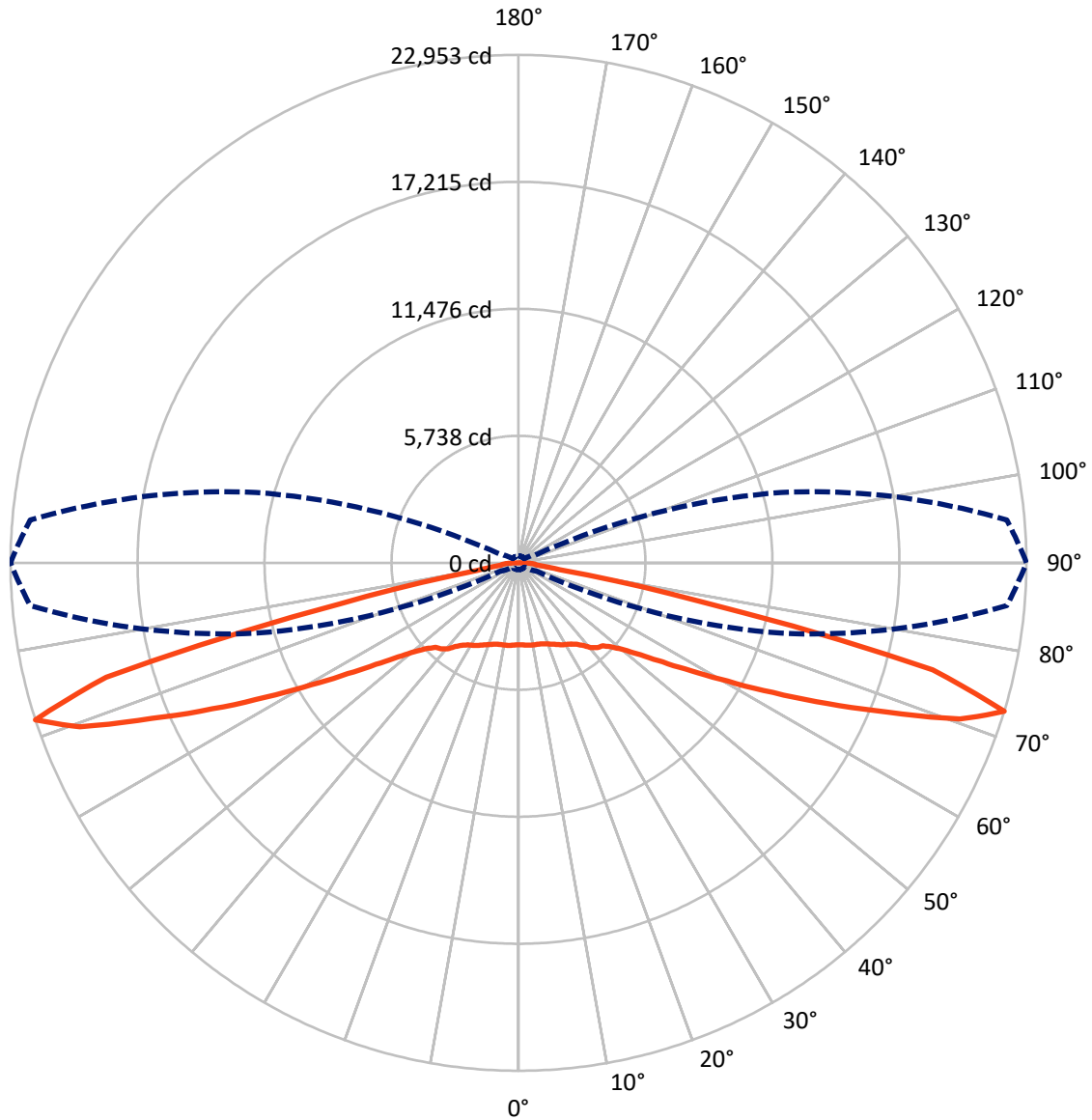
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	9927.0	0.0	9927.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9927.0	0.0	9927.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19854.0	0.0	19854.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.7	1.8
10°-20°	1099.9	5.5
20°-30°	1834.0	9.2
30°-40°	2522.3	12.7
40°-50°	3080.4	15.5
50°-60°	3562.8	17.9
60°-70°	4248.0	21.4
70°-80°	2964.9	14.9
80°-90°	182.1	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°	19854.0	100.0
0°-180°	19854.0	100.0

**Coefficient of Utilization**



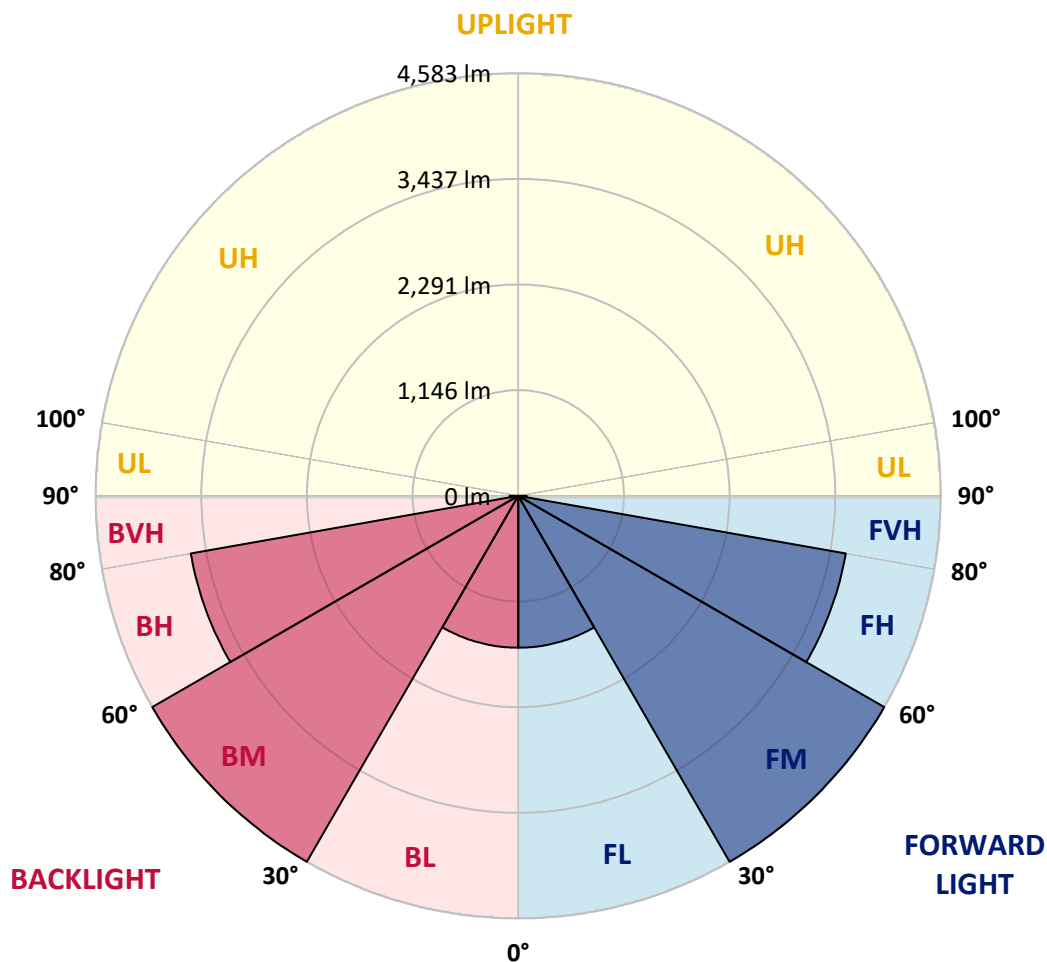
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1646.8	8.3			
FM (30°-60°)	4582.7	23.1			
FH (60°-80°)	3606.4	18.2			G2/5000
FVH (80°-90°)	91.1	0.5			G1/100
BL (0°-30°)	1646.8	8.3	B3/2500		
BM (30°-60°)	4582.7	23.1	B3/5000		
BH (60°-80°)	3606.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	91.1	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°	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9	3709.9
2.5°	3713.1	3717.3	3717.3	3714.2	3721.5	3715.2	3715.2	3712.0	3715.2	3712.0
5°	3732.1	3737.4	3739.5	3738.4	3747.9	3742.6	3742.6	3738.4	3739.5	3736.3
7.5°	3768.0	3775.3	3779.6	3784.8	3798.6	3792.2	3788.0	3775.3	3770.1	3761.6
10°	3779.6	3788.0	3801.7	3829.2	3860.8	3861.9	3849.2	3817.6	3793.3	3774.3
12.5°	3743.7	3755.3	3783.8	3839.7	3910.4	3938.9	3918.9	3866.1	3818.6	3784.8
15°	3698.3	3711.0	3754.2	3838.7	3943.1	4009.6	4007.5	3937.8	3861.9	3809.1
17.5°	3627.6	3640.3	3702.5	3820.7	3968.4	4078.2	4107.7	4036.0	3929.4	3858.7
20°	3500.0	3511.6	3598.1	3763.7	3976.9	4151.0	4228.0	4164.7	4031.8	3935.7
22.5°	3334.3	3352.2	3453.5	3665.6	3956.8	4227.0	4365.2	4321.9	4151.0	4018.0
25°	3157.0	3176.0	3294.2	3545.3	3905.1	4281.8	4527.7	4500.2	4286.0	4120.4
27.5°	3004.0	3024.1	3152.8	3426.1	3824.9	4302.9	4688.1	4701.8	4449.6	4233.3
30°	2883.7	2902.7	3039.9	3330.1	3721.5	4281.8	4828.4	4923.4	4616.3	4331.4
32.5°	2751.8	2776.1	2920.7	3213.0	3599.1	4231.2	4950.8	5162.9	4809.4	4436.9
35°	2585.1	2607.3	2759.2	3052.6	3438.8	4149.9	5053.1	5428.8	5085.9	4597.3
37.5°	2382.5	2403.6	2554.5	2852.1	3279.4	4036.0	5131.2	5728.4	5415.1	4828.4
40°	2178.9	2198.9	2340.3	2628.4	3088.4	3890.4	5158.7	6021.8	5792.8	5146.0
42.5°	1992.1	2010.1	2139.9	2407.9	2874.2	3704.7	5122.8	6277.1	6131.5	5367.6
45°	1820.1	1836.0	1951.0	2201.1	2651.6	3478.9	5015.2	6551.5	6534.6	5525.9
47.5°	1623.9	1639.7	1758.9	2000.6	2429.0	3214.0	4832.6	6821.6	7094.9	5884.6
50°	1384.4	1398.1	1520.5	1769.5	2197.9	2932.3	4579.4	7033.7	7801.8	6428.0
52.5°	1100.5	1115.3	1234.5	1483.5	1923.5	2629.4	4245.9	7171.9	8618.5	7221.5
55°	818.8	829.4	932.8	1156.5	1583.8	2284.4	3828.1	7210.9	9544.9	8306.2
57.5°	594.1	600.4	666.9	833.6	1200.8	1852.9	3320.6	7109.6	10647.6	9696.9
60°	481.2	483.3	503.3	577.2	834.6	1365.4	2707.5	6761.4	11844.1	11489.6
62.5°	436.8	436.8	442.1	462.2	564.5	901.1	1965.8	6039.7	13127.2	13755.0
65°	406.2	406.2	408.3	417.8	445.3	574.0	1240.9	4864.3	14208.7	16408.7
67.5°	378.8	379.9	378.8	382.0	397.8	424.2	719.6	3359.6	14791.2	19158.5
70°	350.3	352.4	347.1	347.1	359.8	360.9	450.6	1842.3	14307.9	21462.9
72.5°	316.5	319.7	311.3	309.2	318.7	314.4	338.7	884.2	12284.1	22150.9
75°	287.0	291.2	272.2	267.0	267.0	263.8	275.4	453.7	7972.8	18069.6
77.5°	260.6	269.1	238.5	221.6	217.4	207.9	224.7	277.5	3487.3	8483.5
80°	215.3	226.9	196.3	176.2	168.8	158.3	177.3	194.1	1037.2	1970.0
82.5°	160.4	165.7	139.3	125.6	119.2	111.8	132.9	135.1	337.7	697.5
85°	102.4	104.5	85.5	73.9	70.7	67.5	84.4	73.9	128.7	512.8
87.5°	35.9	41.2	32.7	29.5	31.7	26.4	39.0	22.2	35.9	361.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3709.9  
3712.0  
3736.3  
3761.6  
3771.1  
3779.6  
3800.7  
3847.1  
3917.8  
3993.8  
4086.6  
4197.4  
4279.7  
4371.5  
4524.5  
4731.3  
5042.6  
5234.6  
5346.5  
5677.8  
6168.4  
6901.8  
7906.3  
9193.6  
10855.4  
12905.6  
15334.6  
17998.9  
21158.0  
22952.8  
19327.3  
8307.2  
1886.6  
788.2  
744.9  
448.4  
0.0

OF REPORT)