

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: P849791

Luminaire Tested: **GLAN-SB7A-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849791  
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-SB7A-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31170 lumens  
Efficiency: N/A  
Efficacy: 156.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

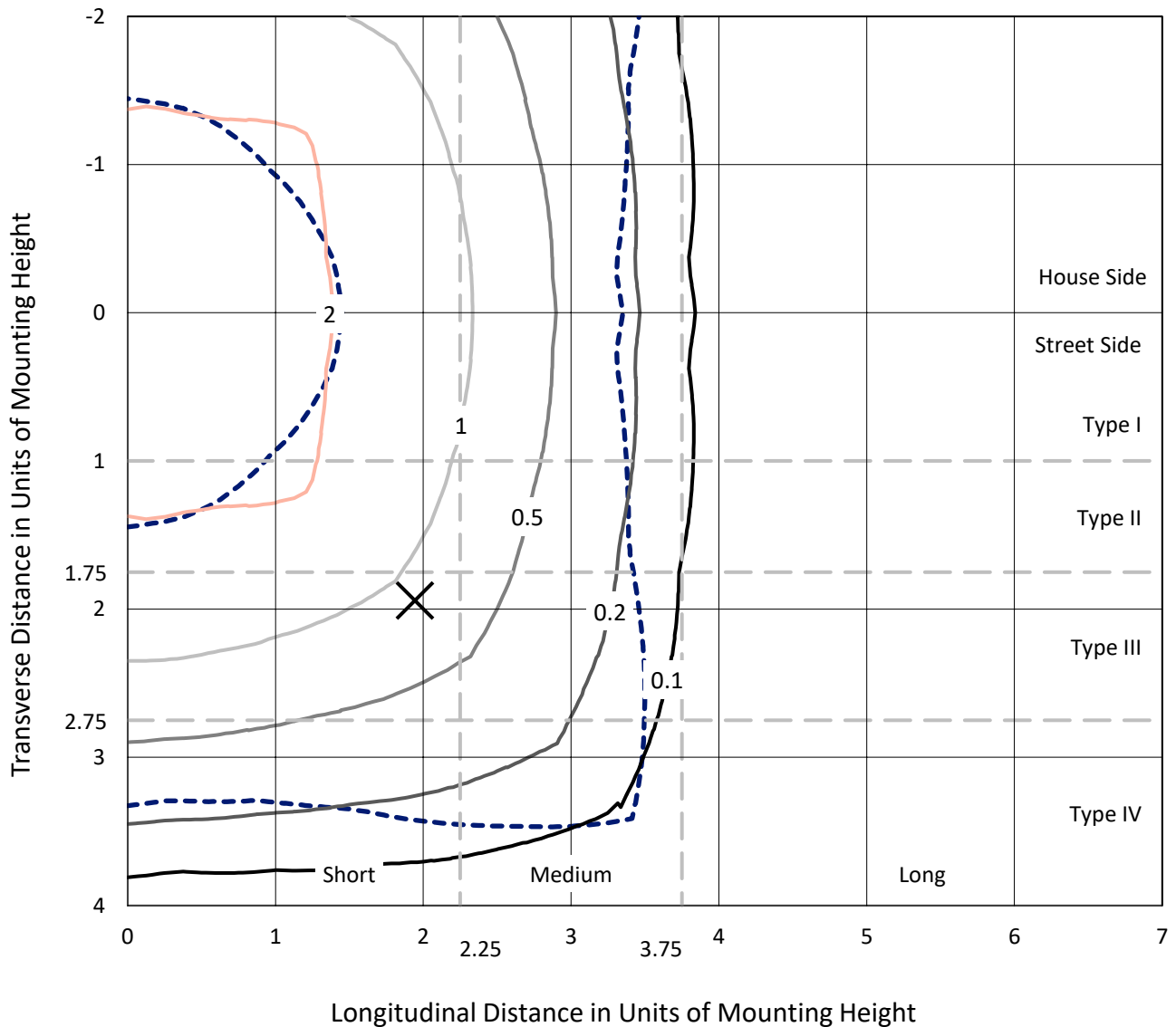
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

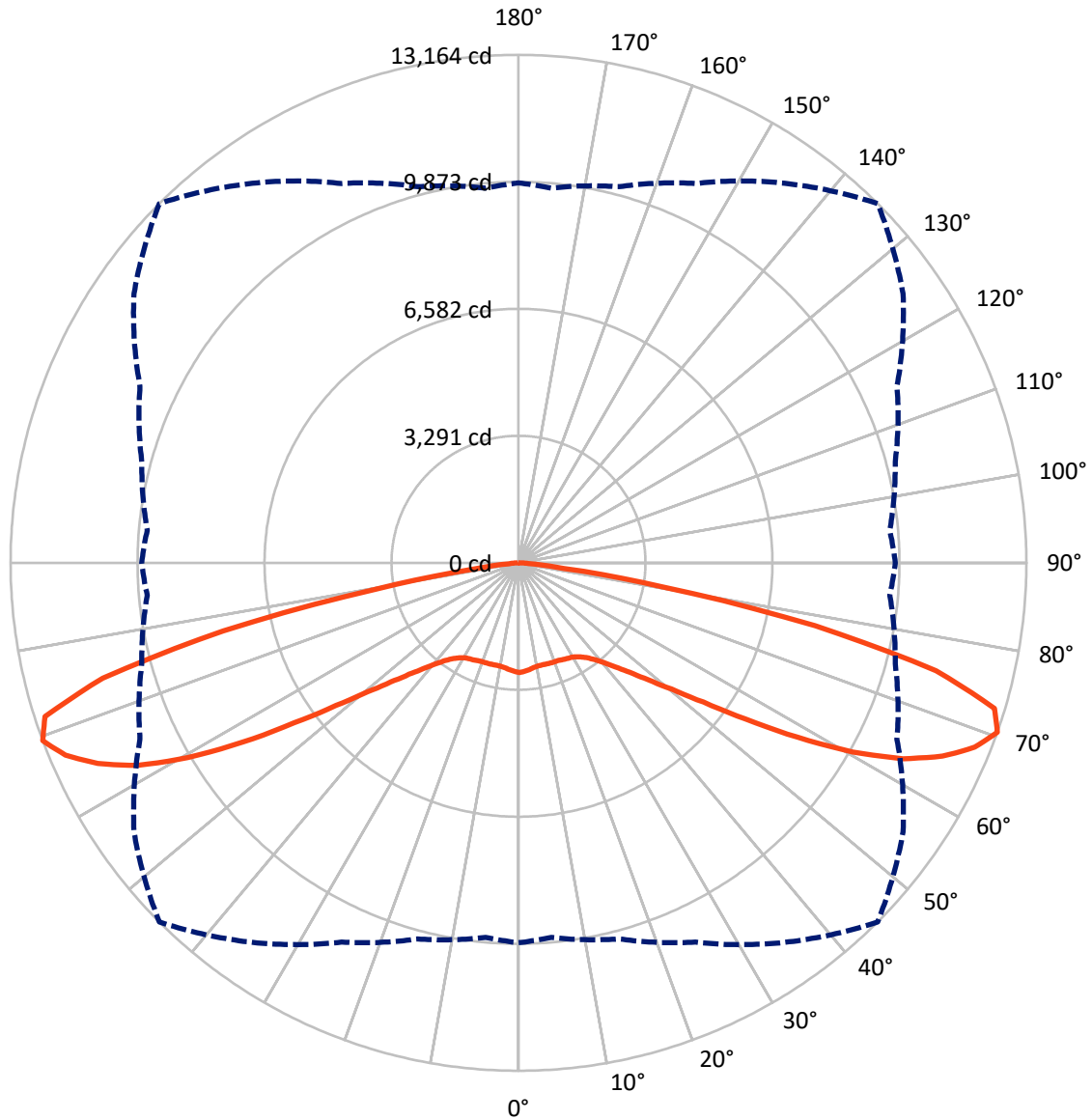
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	15585.0	0.0	15585.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15585.0	0.0	15585.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31170.0	0.0	31170.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.5	0.8
10°-20°	776.6	2.5
20°-30°	1292.4	4.1
30°-40°	1954.5	6.3
40°-50°	3248.0	10.4
50°-60°	6128.8	19.7
60°-70°	10348.7	33.2
70°-80°	6800.2	21.8
80°-90°	356.3	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°	31170.0	100.0
0°-180°	31170.0	100.0

**Coefficient of Utilization**

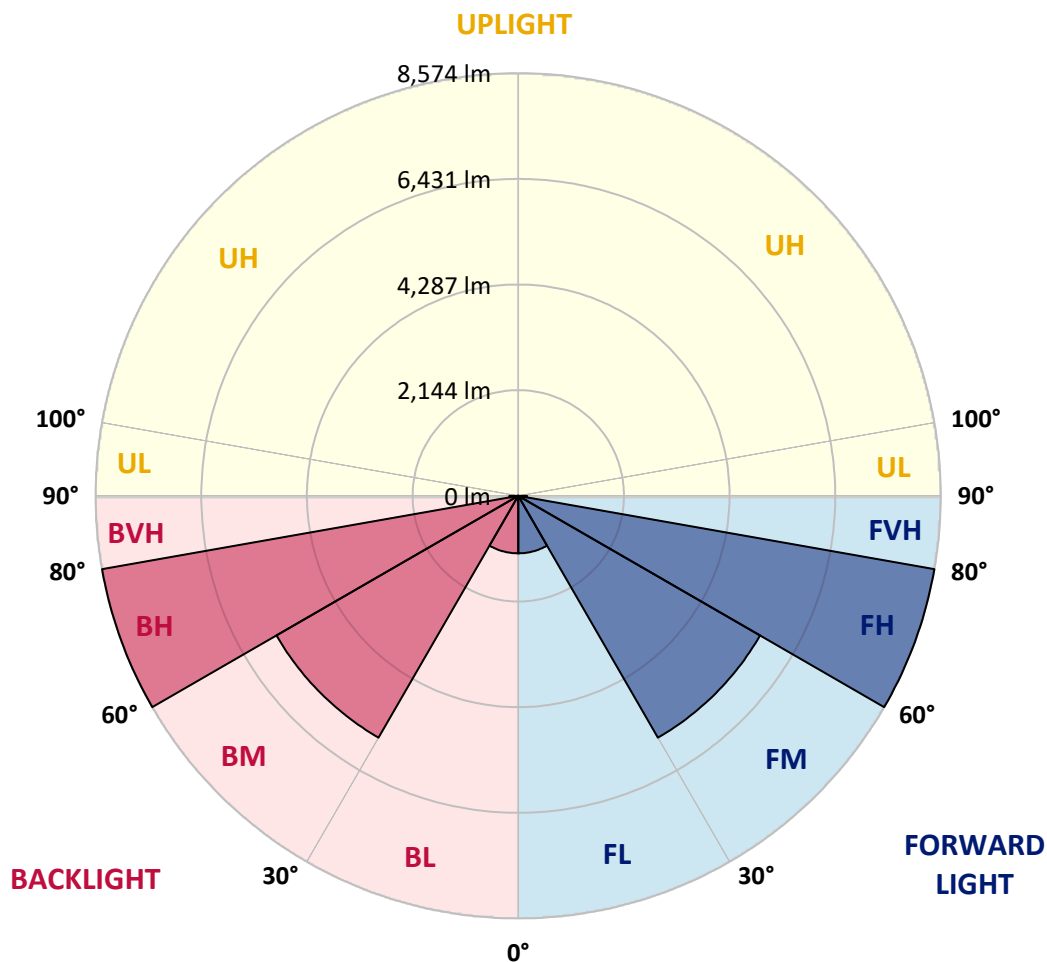


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1166.8	3.7			
FM (30°-60°)	5665.7	18.2			
FH (60°-80°)	8574.5	27.5			G4/12000
FVH (80°-90°)	178.1	0.6			G2/225
BL (0°-30°)	1166.8	3.7	B3/2500		
BM (30°-60°)	5665.7	18.2	B4/8500		
BH (60°-80°)	8574.5	27.5	B5		G4/12000
BVH (80°-90°)	178.1	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-G4**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2843.3	2843.3	2843.3	2843.3	2843.3	2843.3	2843.3	2843.3	2843.3	2843.3
2.5°	2825.5	2833.6	2830.4	2823.9	2823.9	2819.0	2823.9	2827.1	2832.0	2835.2
5°	2788.2	2794.7	2793.1	2788.2	2789.9	2785.0	2788.2	2793.1	2796.3	2798.0
7.5°	2755.8	2762.3	2759.1	2751.0	2751.0	2746.1	2747.7	2752.6	2757.5	2759.1
10°	2747.7	2754.2	2744.5	2731.5	2726.7	2720.2	2721.8	2726.7	2736.4	2741.3
12.5°	2751.0	2755.8	2746.1	2726.7	2721.8	2715.3	2715.3	2720.2	2733.2	2739.6
15°	2760.7	2765.6	2751.0	2729.9	2725.1	2720.2	2718.6	2725.1	2739.6	2751.0
17.5°	2778.5	2783.4	2760.7	2731.5	2725.1	2726.7	2725.1	2729.9	2752.6	2773.7
20°	2794.7	2798.0	2767.2	2731.5	2725.1	2726.7	2725.1	2734.8	2763.9	2793.1
22.5°	2799.6	2802.8	2773.7	2742.9	2738.0	2739.6	2738.0	2747.7	2775.3	2804.4
25°	2801.2	2806.1	2783.4	2759.1	2767.2	2770.4	2767.2	2768.8	2789.9	2815.8
27.5°	2825.5	2832.0	2810.9	2789.9	2794.7	2793.1	2798.0	2802.8	2819.0	2845.0
30°	2875.7	2880.6	2862.8	2841.7	2838.5	2827.1	2841.7	2857.9	2875.7	2898.4
32.5°	2958.4	2968.1	2945.4	2922.7	2908.1	2901.7	2913.0	2940.5	2964.8	2989.1
35°	3096.1	3102.6	3081.5	3039.4	3013.4	3013.4	3023.2	3058.8	3097.7	3128.5
37.5°	3290.5	3298.6	3261.3	3211.1	3172.2	3172.2	3185.2	3222.4	3280.8	3324.5
40°	3527.0	3538.4	3491.4	3439.5	3402.3	3395.8	3412.0	3454.1	3509.2	3564.3
42.5°	3812.2	3825.1	3763.6	3718.2	3689.0	3689.0	3697.1	3736.0	3786.2	3854.3
45°	4176.7	4199.4	4115.1	4069.8	4042.2	4048.7	4053.6	4087.6	4133.0	4210.7
47.5°	4610.9	4633.6	4544.5	4497.5	4492.6	4523.4	4504.0	4528.3	4552.6	4641.7
50°	5103.4	5142.3	5080.7	5077.5	5087.2	5143.9	5098.6	5111.5	5084.0	5140.7
52.5°	5706.1	5762.8	5751.5	5770.9	5879.5	5996.1	5892.4	5847.1	5743.4	5761.2
55°	6436.8	6522.7	6538.9	6655.5	6901.8	7139.9	6919.6	6736.5	6516.2	6475.7
57.5°	7267.9	7336.0	7413.7	7651.9	8112.0	8534.9	8112.0	7707.0	7360.3	7277.6
60°	8162.2	8246.5	8321.0	8672.6	9356.3	9950.9	9343.3	8700.1	8241.6	8129.8
62.5°	9123.0	9231.5	9283.4	9673.8	10470.9	11180.5	10482.3	9703.0	9194.2	9074.4
65°	10044.8	10133.9	10192.3	10608.6	11370.1	12081.3	11421.9	10654.0	10130.7	9973.5
67.5°	10474.2	10522.8	10665.3	11136.8	11940.4	12752.1	12076.5	11187.0	10602.1	10326.7
70°	9845.5	9746.7	10090.2	10845.2	12008.4	13163.6	12164.0	10822.5	10106.4	9659.2
72.5°	7608.1	7438.0	8034.2	9325.5	11230.8	12901.1	11308.5	9398.4	8405.2	7498.0
75°	4139.4	3946.6	4769.7	6402.8	8956.1	11182.2	9161.8	6585.8	5310.8	4108.7
77.5°	1168.1	1095.2	1759.5	3097.7	5386.9	7851.2	5594.3	3165.7	2086.7	1237.8
80°	358.0	346.7	469.8	933.2	2287.6	3760.3	2198.5	944.5	597.8	377.5
82.5°	212.2	194.4	233.3	340.2	583.2	1181.1	567.0	354.8	285.1	191.2
85°	121.5	113.4	137.7	165.3	196.0	251.1	163.6	168.5	152.3	102.1
87.5°	50.2	45.4	53.5	51.8	45.4	58.3	43.7	51.8	61.6	40.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2843.3
2833.6
2798.0
2759.1
2741.3
2741.3
2752.6
2773.7
2794.7
2804.4
2814.2
2838.5
2893.6
2979.4
3117.1
3308.3
3546.5
3849.4
4207.5
4615.8
5106.7
5701.2
6412.5
7219.3
8032.6
8977.2
9895.8
10330.0
9766.2
7723.2
4376.0
1375.5
398.6
207.4
106.9
37.3
0.0

OF REPORT)