

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: P850644

Luminaire Tested: **GLAN-SB8B-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850644  
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-SB8B-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43512 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

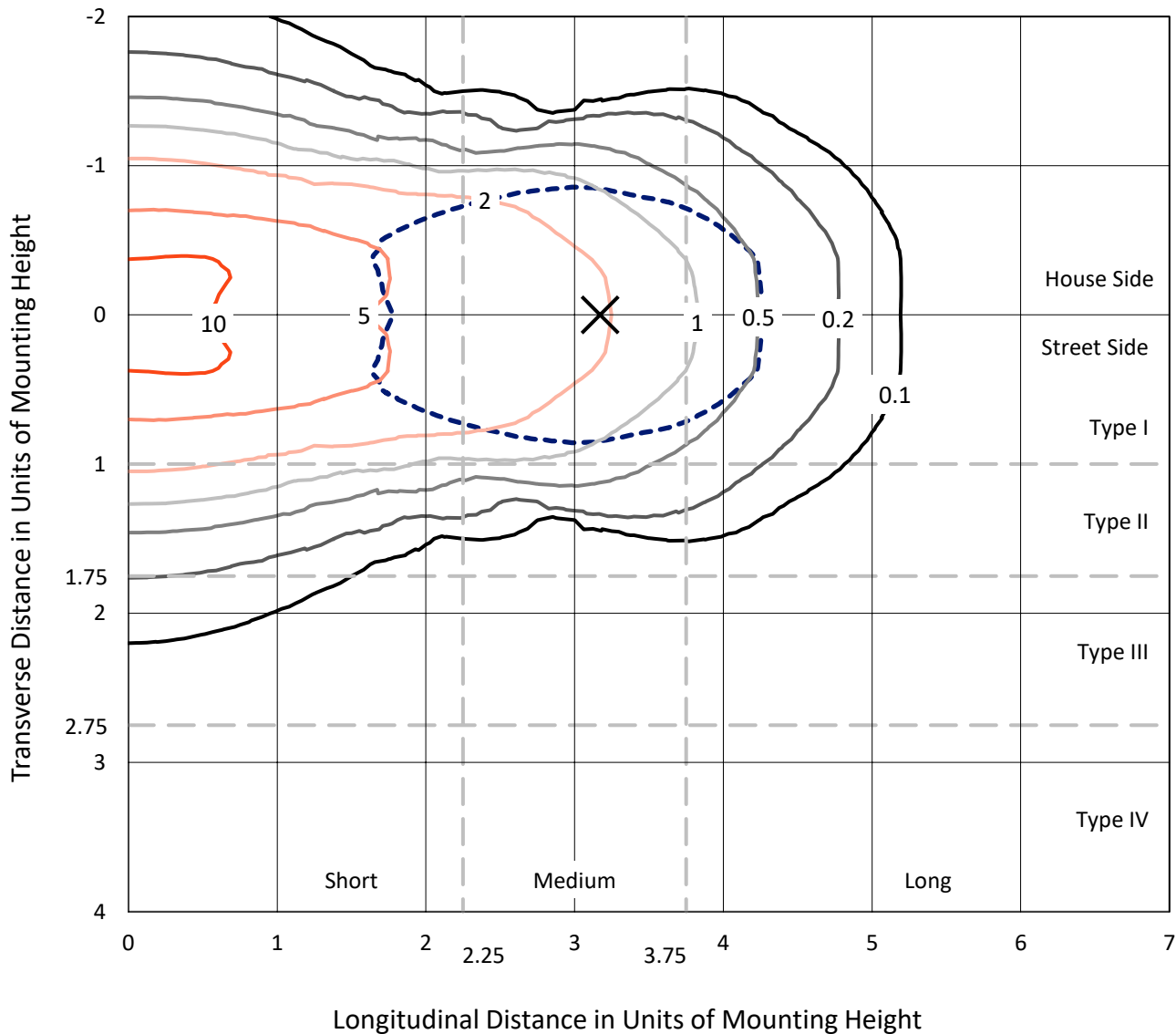
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

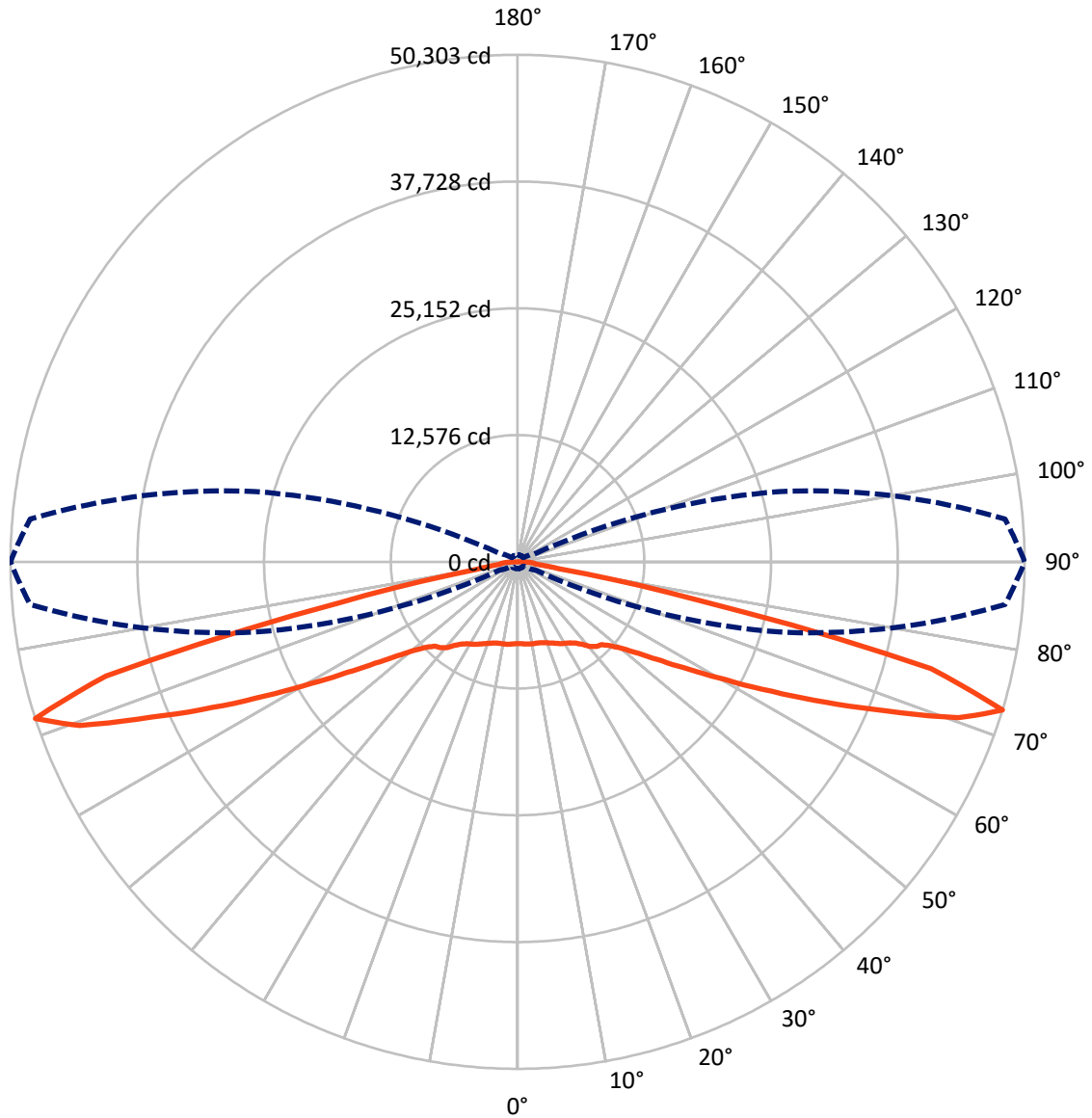
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21756.0	0.0	21756.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21756.0	0.0	21756.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43512.0	0.0	43512.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	788.4	1.8
10°-20°	2410.5	5.5
20°-30°	4019.3	9.2
30°-40°	5527.8	12.7
40°-50°	6751.0	15.5
50°-60°	7808.2	17.9
60°-70°	9310.0	21.4
70°-80°	6497.8	14.9
80°-90°	399.1	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°	43512.0	100.0
0°-180°	43512.0	100.0

**Coefficient of Utilization**

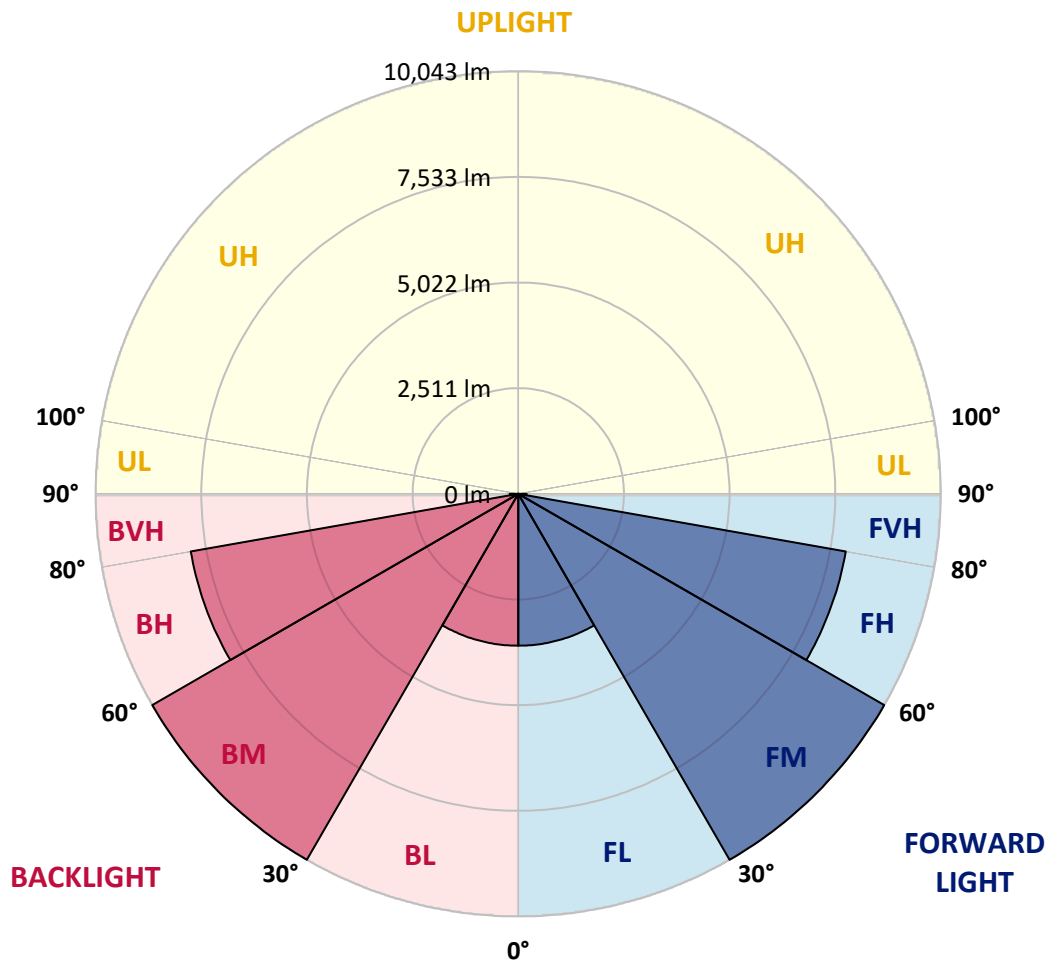


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3609.1	8.3			
FM (30°-60°)	10043.5	23.1			
FH (60°-80°)	7903.9	18.2			G4/12000
FVH (80°-90°)	199.5	0.5			G2/225
BL (0°-30°)	3609.1	8.3	B4/5000		
BM (30°-60°)	10043.5	23.1	B5		
BH (60°-80°)	7903.9	18.2	B5		G5
BVH (80°-90°)	199.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8130.7	8130.7	8130.7	8130.7	8130.7	8130.7	8130.7	8130.7	8130.7	8130.7
2.5°	8137.6	8146.9	8146.9	8139.9	8156.1	8142.2	8142.2	8135.3	8142.2	8135.3
5°	8179.2	8190.8	8195.4	8193.1	8213.9	8202.4	8202.4	8193.1	8195.4	8188.5
7.5°	8257.9	8274.1	8283.3	8294.9	8324.9	8311.0	8301.8	8274.1	8262.5	8244.0
10°	8283.3	8301.8	8331.9	8392.0	8461.4	8463.7	8435.9	8366.5	8313.4	8271.7
12.5°	8204.7	8230.1	8292.6	8415.1	8570.0	8632.5	8588.5	8472.9	8368.9	8294.9
15°	8105.2	8133.0	8227.8	8412.8	8641.7	8787.4	8782.8	8630.2	8463.7	8348.0
17.5°	7950.3	7978.1	8114.5	8373.5	8697.2	8937.7	9002.5	8845.2	8611.7	8456.7
20°	7670.5	7695.9	7885.6	8248.6	8715.7	9097.3	9266.1	9127.4	8836.0	8625.5
22.5°	7307.4	7346.7	7568.7	8033.6	8671.8	9263.8	9566.7	9471.9	9097.3	8805.9
25°	6918.9	6960.6	7219.6	7769.9	8558.5	9384.0	9922.8	9862.7	9393.3	9030.2
27.5°	6583.6	6627.6	6909.7	7508.6	8382.7	9430.3	10274.3	10304.4	9751.7	9277.7
30°	6320.0	6361.6	6662.3	7298.2	8156.1	9384.0	10581.9	10790.0	10117.1	9492.7
32.5°	6030.9	6084.1	6400.9	7041.5	7887.9	9273.0	10850.2	11315.0	10540.3	9724.0
35°	5665.6	5714.1	6047.1	6690.0	7536.4	9095.0	11074.5	11897.7	11146.1	10075.5
37.5°	5221.6	5267.8	5598.5	6250.6	7187.2	8845.2	11245.6	12554.4	11867.6	10581.9
40°	4775.3	4819.2	5129.1	5760.4	6768.6	8526.1	11305.7	13197.3	12695.5	11278.0
42.5°	4366.0	4405.3	4689.7	5277.1	6299.2	8119.1	11227.1	13756.9	13437.8	11763.6
45°	3989.0	4023.7	4275.8	4823.8	5811.3	7624.2	10991.2	14358.2	14321.2	12110.5
47.5°	3558.9	3593.6	3854.9	4384.5	5323.3	7043.8	10591.2	14950.2	15549.1	12896.7
50°	3034.0	3064.0	3332.3	3878.0	4816.9	6426.4	10036.2	15415.0	17098.5	14087.6
52.5°	2411.9	2444.3	2705.6	3251.3	4215.6	5762.7	9305.4	15717.9	18888.3	15826.6
55°	1794.5	1817.6	2044.2	2534.5	3471.0	5006.5	8389.7	15803.5	20918.7	18203.8
57.5°	1301.9	1315.8	1461.5	1826.9	2631.6	4060.7	7277.4	15581.5	23335.2	21251.7
60°	1054.5	1059.1	1103.1	1264.9	1829.2	2992.3	5933.8	14818.4	25957.6	25180.6
62.5°	957.4	957.4	968.9	1012.9	1237.2	1974.9	4308.1	13236.6	28769.6	30145.5
65°	890.3	890.3	894.9	915.7	975.9	1258.0	2719.5	10660.5	31139.8	35961.4
67.5°	830.2	832.5	830.2	837.1	871.8	929.6	1577.1	7362.9	32416.3	41987.7
70°	767.7	772.4	760.8	760.8	788.6	790.9	987.4	4037.6	31357.2	47038.1
72.5°	693.7	700.7	682.2	677.6	698.4	689.1	742.3	1937.9	26921.9	48545.9
75°	629.0	638.2	596.6	585.1	585.1	578.1	603.6	994.4	17473.1	39601.2
77.5°	571.2	589.7	522.6	485.6	476.4	455.6	492.6	608.2	7642.7	18592.3
80°	471.7	497.2	430.1	386.2	370.0	346.9	388.5	425.5	2273.2	4317.4
82.5°	351.5	363.1	305.2	275.2	261.3	245.1	291.4	296.0	740.0	1528.5
85°	224.3	228.9	187.3	161.9	154.9	148.0	185.0	161.9	282.1	1123.9
87.5°	78.6	90.2	71.7	64.7	69.4	57.8	85.6	48.6	78.6	793.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8130.7  
8135.3  
8188.5  
8244.0  
8264.8  
8283.3  
8329.5  
8431.3  
8586.2  
8752.7  
8956.2  
9199.0  
9379.4  
9580.6  
9915.9  
10369.2  
11051.3  
11472.2  
11717.3  
12443.5  
13518.8  
15125.9  
17327.4  
20148.6  
23790.8  
28283.9  
33607.3  
39446.3  
46369.8  
50303.4  
42357.7  
18206.1  
4134.7  
1727.4  
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982.8  
0.0

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