

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: P849964

Luminaire Tested: **GLAN-SB7B-730-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849964  
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-SB7B-730-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 38268 lumens  
Efficiency: N/A  
Efficacy: 149.1 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

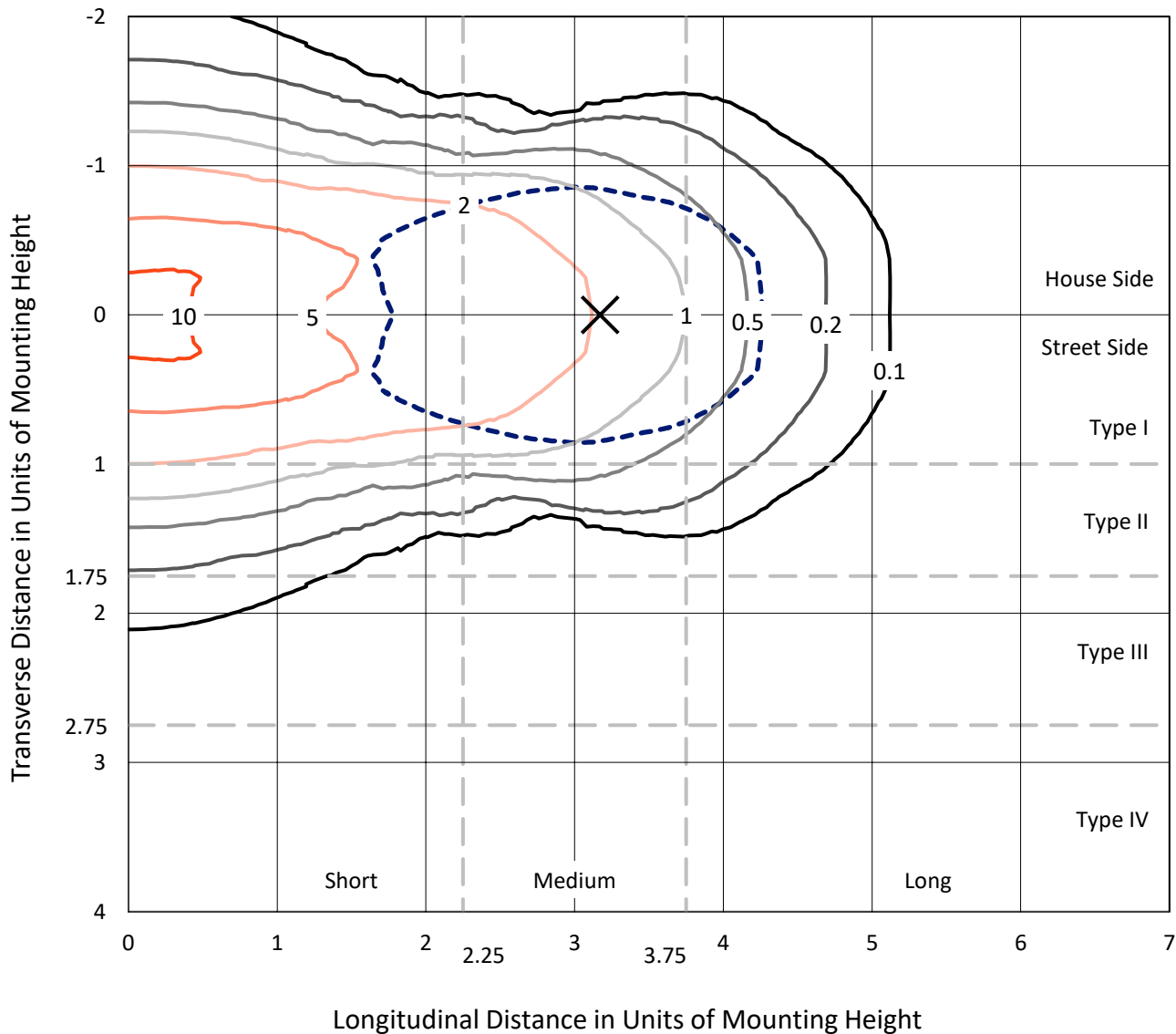
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

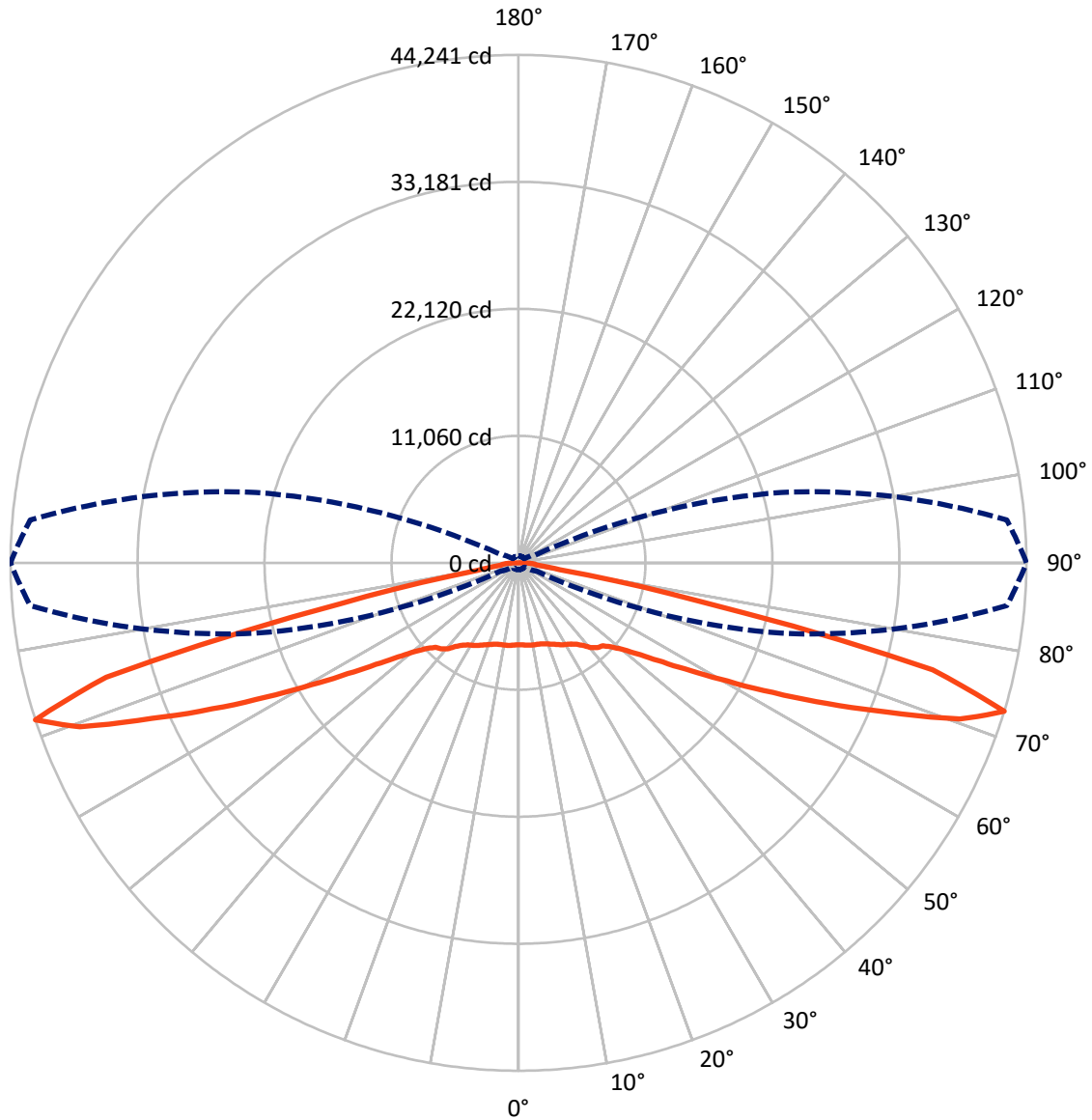
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	19134.0	0.0	19134.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19134.0	0.0	19134.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38268.0	0.0	38268.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	693.4	1.8
10°-20°	2120.0	5.5
20°-30°	3534.9	9.2
30°-40°	4861.6	12.7
40°-50°	5937.3	15.5
50°-60°	6867.2	17.9
60°-70°	8188.0	21.4
70°-80°	5714.7	14.9
80°-90°	351.0	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°	38268.0	100.0
0°-180°	38268.0	100.0

**Coefficient of Utilization**

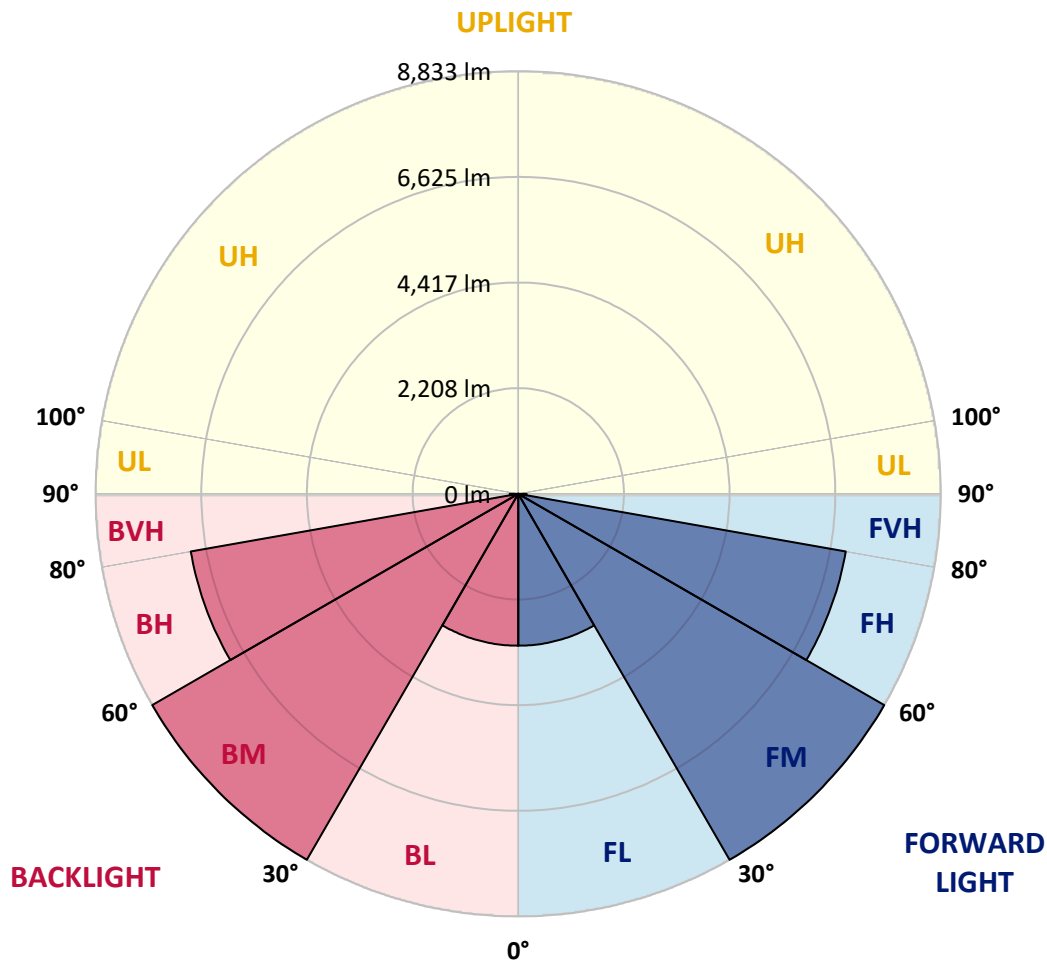


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3174.1	8.3			
FM (30°-60°)	8833.1	23.1			
FH (60°-80°)	6951.3	18.2			G3/7500
FVH (80°-90°)	175.5	0.5			G2/225
BL (0°-30°)	3174.1	8.3	B4/5000		
BM (30°-60°)	8833.1	23.1	B5		
BH (60°-80°)	6951.3	18.2	B5		G5
BVH (80°-90°)	175.5	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°	7150.8	7150.8	7150.8	7150.8	7150.8	7150.8	7150.8	7150.8	7150.8	7150.8
2.5°	7156.9	7165.0	7165.0	7158.9	7173.2	7160.9	7160.9	7154.8	7160.9	7154.8
5°	7193.5	7203.7	7207.7	7205.7	7224.0	7213.8	7213.8	7205.7	7207.7	7201.6
7.5°	7262.6	7276.9	7285.0	7295.2	7321.6	7309.4	7301.3	7276.9	7266.7	7250.4
10°	7285.0	7301.3	7327.7	7380.6	7441.6	7443.6	7419.2	7358.2	7311.4	7274.8
12.5°	7215.9	7238.2	7293.1	7400.9	7537.2	7592.1	7553.5	7451.8	7360.3	7295.2
15°	7128.4	7152.8	7236.2	7398.9	7600.2	7728.4	7724.3	7590.1	7443.6	7342.0
17.5°	6992.1	7016.6	7136.5	7364.3	7649.1	7860.6	7917.5	7779.2	7573.8	7437.5
20°	6746.1	6768.4	6935.2	7254.5	7665.3	8000.9	8149.4	8027.3	7771.1	7586.0
22.5°	6426.8	6461.3	6656.6	7065.4	7626.7	8147.3	8413.8	8330.4	8000.9	7744.6
25°	6085.1	6121.7	6349.5	6833.5	7527.0	8253.1	8727.0	8674.1	8261.2	7941.9
27.5°	5790.2	5828.8	6076.9	6603.7	7372.5	8293.8	9036.1	9062.5	8576.5	8159.5
30°	5558.3	5594.9	5859.3	6418.6	7173.2	8253.1	9306.6	9489.6	8897.8	8348.7
32.5°	5304.1	5350.9	5629.5	6192.9	6937.2	8155.5	9542.5	9951.3	9270.0	8552.1
35°	4982.8	5025.5	5318.3	5883.7	6628.1	7998.9	9739.8	10463.8	9802.8	8861.2
37.5°	4592.3	4633.0	4923.8	5497.3	6321.0	7779.2	9890.3	11041.4	10437.4	9306.6
40°	4199.8	4238.4	4510.9	5066.2	5952.9	7498.6	9943.2	11606.8	11165.5	9918.8
42.5°	3839.8	3874.4	4124.5	4641.1	5540.0	7140.6	9874.0	12099.0	11818.3	10345.9
45°	3508.3	3538.8	3760.5	4242.5	5110.9	6705.4	9666.6	12627.8	12595.2	10650.9
47.5°	3130.0	3160.5	3390.3	3856.1	4681.8	6194.9	9314.7	13148.4	13675.2	11342.4
50°	2668.3	2694.8	2930.7	3410.7	4236.4	5651.9	8826.6	13557.2	15037.8	12389.8
52.5°	2121.2	2149.7	2379.5	2859.5	3707.6	5068.2	8183.9	13823.6	16611.9	13919.2
55°	1578.2	1598.6	1797.9	2229.0	3052.7	4403.1	7378.6	13898.9	18397.6	16009.9
57.5°	1145.0	1157.2	1285.4	1606.7	2314.4	3571.3	6400.3	13703.6	20522.9	18690.5
60°	927.4	931.5	970.1	1112.5	1608.7	2631.7	5218.7	13032.5	22829.2	22145.9
62.5°	842.0	842.0	852.2	890.8	1088.1	1736.9	3788.9	11641.4	25302.3	26512.4
65°	783.0	783.0	787.1	805.4	858.3	1106.4	2391.7	9375.7	27386.9	31627.4
67.5°	730.1	732.2	730.1	736.2	766.7	817.6	1387.0	6475.6	28509.6	36927.4
70°	675.2	679.3	669.1	669.1	693.5	695.6	868.4	3551.0	27578.1	41369.2
72.5°	610.1	616.2	600.0	595.9	614.2	606.1	652.8	1704.3	23677.3	42695.2
75°	553.2	561.3	524.7	514.5	514.5	508.4	530.8	874.5	15367.3	34828.5
77.5°	502.3	518.6	459.6	427.1	419.0	400.7	433.2	534.9	6721.7	16351.6
80°	414.9	437.3	378.3	339.6	325.4	305.1	341.7	374.2	1999.2	3797.1
82.5°	309.1	319.3	268.5	242.0	229.8	215.6	256.3	260.3	650.8	1344.3
85°	197.3	201.3	164.7	142.4	136.3	130.2	162.7	142.4	248.1	988.4
87.5°	69.1	79.3	63.0	56.9	61.0	50.8	75.2	42.7	69.1	697.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7150.8  
7154.8  
7201.6  
7250.4  
7268.7  
7285.0  
7325.7  
7415.2  
7551.4  
7697.9  
7876.8  
8090.4  
8249.0  
8426.0  
8720.9  
9119.5  
9719.4  
10089.6  
10305.2  
10943.8  
11889.5  
13303.0  
15239.1  
17720.3  
20923.6  
24875.2  
29557.0  
34692.3  
40781.4  
44240.9  
37252.8  
16012.0  
3636.4  
1519.2  
1435.9  
864.4  
0.0

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