

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: P850484

Luminaire Tested: **GLAN-SB8A-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850484  
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-SB8A-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35213 lumens  
Efficiency: N/A  
Efficacy: 155.1 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

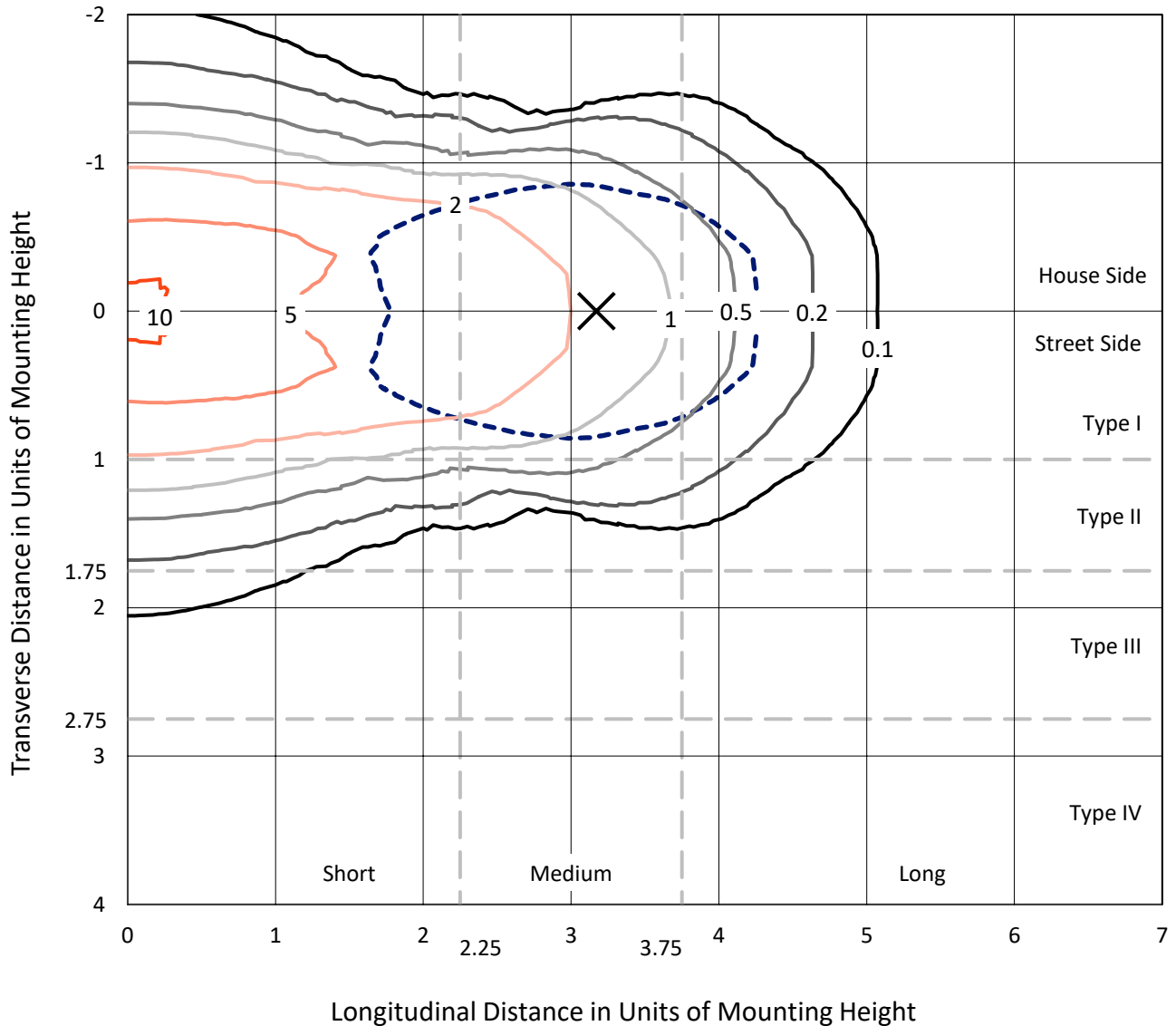
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

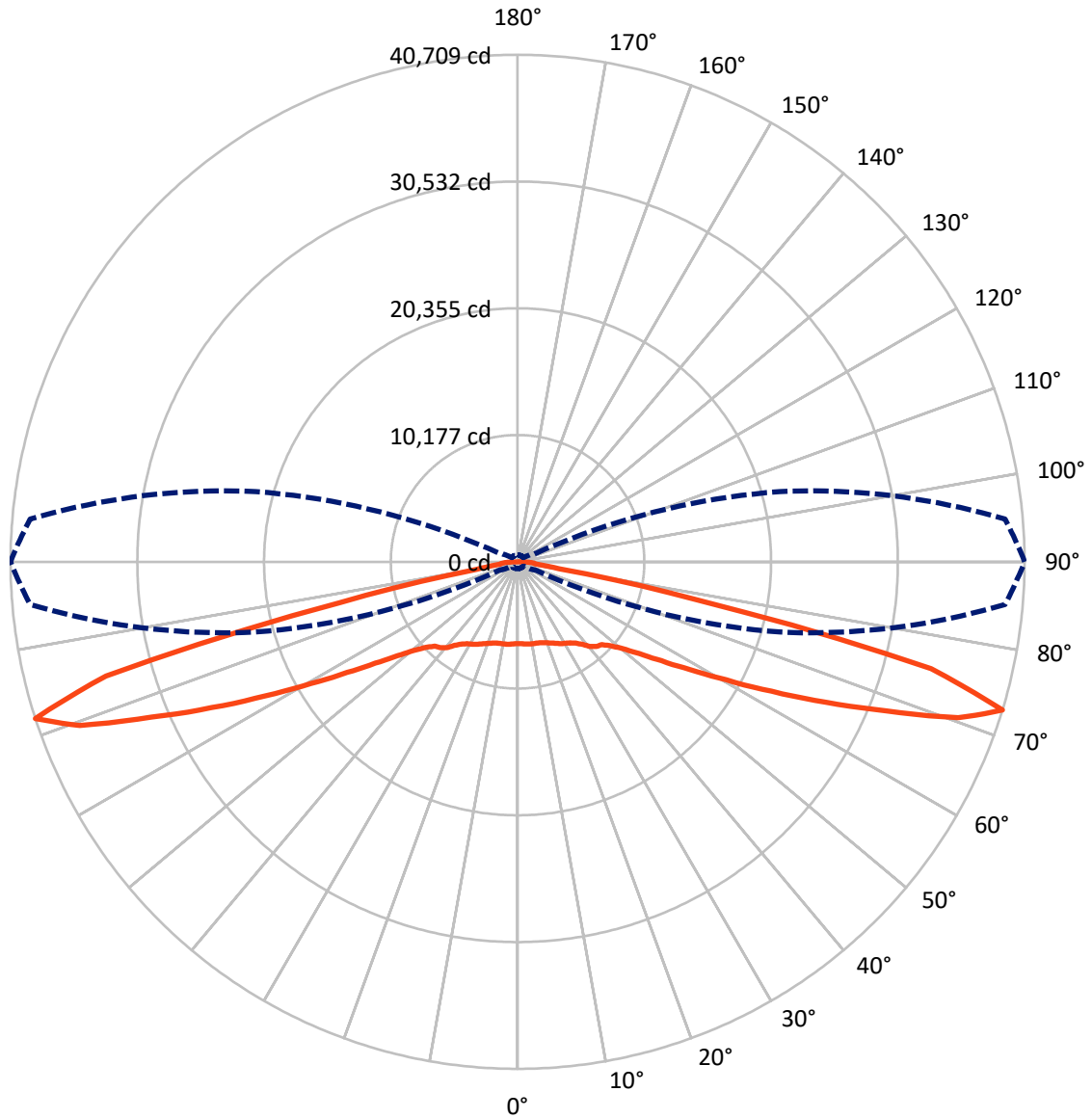
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	17606.5	0.0	17606.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17606.5	0.0	17606.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35213.0	0.0	35213.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	638.0	1.8
10°-20°	1950.8	5.5
20°-30°	3252.7	9.2
30°-40°	4473.5	12.7
40°-50°	5463.4	15.5
50°-60°	6318.9	17.9
60°-70°	7534.3	21.4
70°-80°	5258.5	14.9
80°-90°	323.0	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°	35213.0	100.0
0°-180°	35213.0	100.0

**Coefficient of Utilization**



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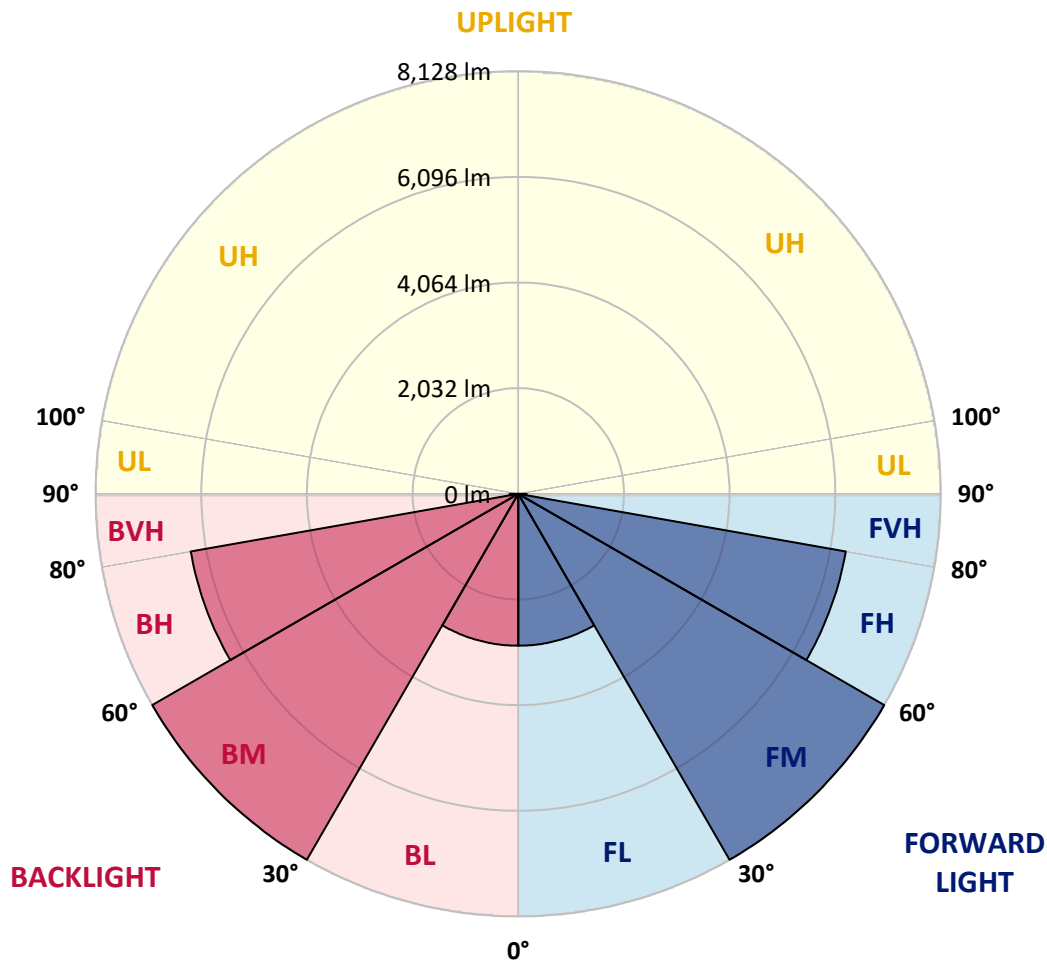
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2920.7	8.3			
FM (30°-60°)	8127.9	23.1			
FH (60°-80°)	6396.4	18.2			G3/7500
FVH (80°-90°)	161.5	0.5			G2/225
BL (0°-30°)	2920.7	8.3	B4/5000		
BM (30°-60°)	8127.9	23.1	B4/8500		
BH (60°-80°)	6396.4	18.2	B5		G5
BVH (80°-90°)	161.5	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°	6579.9	6579.9	6579.9	6579.9	6579.9	6579.9	6579.9	6579.9	6579.9	6579.9
2.5°	6585.5	6593.0	6593.0	6587.4	6600.5	6589.3	6589.3	6583.7	6589.3	6583.7
5°	6619.2	6628.6	6632.3	6630.4	6647.3	6637.9	6637.9	6630.4	6632.3	6626.7
7.5°	6682.8	6695.9	6703.4	6712.8	6737.1	6725.9	6718.4	6695.9	6686.6	6671.6
10°	6703.4	6718.4	6742.7	6791.4	6847.5	6849.4	6826.9	6770.8	6727.8	6694.1
12.5°	6639.8	6660.4	6710.9	6810.1	6935.5	6986.0	6950.5	6856.9	6772.7	6712.8
15°	6559.3	6581.8	6658.5	6808.2	6993.5	7111.4	7107.7	6984.1	6849.4	6755.8
17.5°	6433.9	6456.4	6566.8	6776.4	7038.4	7233.0	7285.4	7158.2	6969.2	6843.8
20°	6207.5	6228.1	6381.5	6675.4	7053.4	7362.2	7498.8	7386.5	7150.7	6980.4
22.5°	5913.7	5945.5	6125.2	6501.3	7017.8	7496.9	7742.1	7665.3	7362.2	7126.4
25°	5599.3	5633.0	5842.6	6288.0	6926.1	7594.2	8030.3	7981.6	7601.7	7307.9
27.5°	5327.9	5363.5	5591.8	6076.5	6783.9	7631.7	8314.7	8339.1	7891.8	7508.1
30°	5114.6	5148.3	5391.6	5906.2	6600.5	7594.2	8563.6	8732.1	8187.5	7682.2
32.5°	4880.7	4923.7	5180.1	5698.5	6383.4	7504.4	8780.7	9156.9	8529.9	7869.3
35°	4585.0	4624.3	4893.8	5414.0	6099.0	7360.3	8962.2	9628.5	9020.3	8153.8
37.5°	4225.7	4263.1	4530.7	5058.5	5816.4	7158.2	9100.7	10160.0	9604.1	8563.6
40°	3864.5	3900.0	4150.8	4661.7	5477.7	6899.9	9149.4	10680.2	10274.1	9126.9
42.5°	3533.2	3565.1	3795.2	4270.6	5097.8	6570.6	9085.8	11133.1	10874.8	9519.9
45°	3228.2	3256.3	3460.3	3903.8	4702.9	6170.1	8894.9	11619.7	11589.7	9800.6
47.5°	2880.1	2908.2	3119.7	3548.2	4308.0	5700.4	8571.1	12098.7	12583.4	10436.9
50°	2455.3	2479.6	2696.7	3138.4	3898.2	5200.7	8122.0	12474.9	13837.3	11400.7
52.5°	1951.9	1978.1	2189.6	2631.2	3411.6	4663.6	7530.6	12720.1	15285.8	12808.0
55°	1452.2	1470.9	1654.3	2051.1	2809.0	4051.6	6789.5	12789.3	16928.9	14731.8
57.5°	1053.6	1064.8	1182.7	1478.4	2129.7	3286.2	5889.4	12609.6	18884.5	17198.4
60°	853.4	857.1	892.7	1023.7	1480.3	2421.6	4802.1	11992.1	21006.7	20377.9
62.5°	774.8	774.8	784.1	819.7	1001.2	1598.2	3486.5	10712.0	23282.4	24395.9
65°	720.5	720.5	724.2	741.1	789.7	1018.1	2200.8	8627.3	25200.6	29102.5
67.5°	671.8	673.7	671.8	677.5	705.5	752.3	1276.3	5958.6	26233.6	33979.4
70°	621.3	625.1	615.7	615.7	638.2	640.0	799.1	3267.5	25376.5	38066.6
72.5°	561.4	567.0	552.1	548.3	565.2	557.7	600.7	1568.3	21787.1	39286.8
75°	509.0	516.5	482.8	473.5	473.5	467.9	488.4	804.7	14140.5	32048.1
77.5°	462.2	477.2	422.9	393.0	385.5	368.7	398.6	492.2	6185.1	15046.2
80°	381.8	402.4	348.1	312.5	299.4	280.7	314.4	344.3	1839.6	3493.9
82.5°	284.5	293.8	247.0	222.7	211.5	198.4	235.8	239.5	598.9	1237.0
85°	181.5	185.3	151.6	131.0	125.4	119.8	149.7	131.0	228.3	909.5
87.5°	63.6	73.0	58.0	52.4	56.1	46.8	69.2	39.3	63.6	641.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6579.9  
6583.7  
6626.7  
6671.6  
6688.5  
6703.4  
6740.9  
6823.2  
6948.6  
7083.3  
7248.0  
7444.5  
7590.5  
7753.3  
8024.7  
8391.5  
8943.5  
9284.1  
9482.5  
10070.1  
10940.3  
12241.0  
14022.6  
16305.7  
19253.2  
22889.4  
27197.4  
31922.7  
37525.8  
40709.0  
34278.8  
14733.7  
3346.1  
1398.0  
1321.2  
795.4  
0.0

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