

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: P849974

Luminaire Tested: **GLAN-SB7B-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849974
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38876 lumens
Efficiency: N/A
Efficacy: 151.4 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

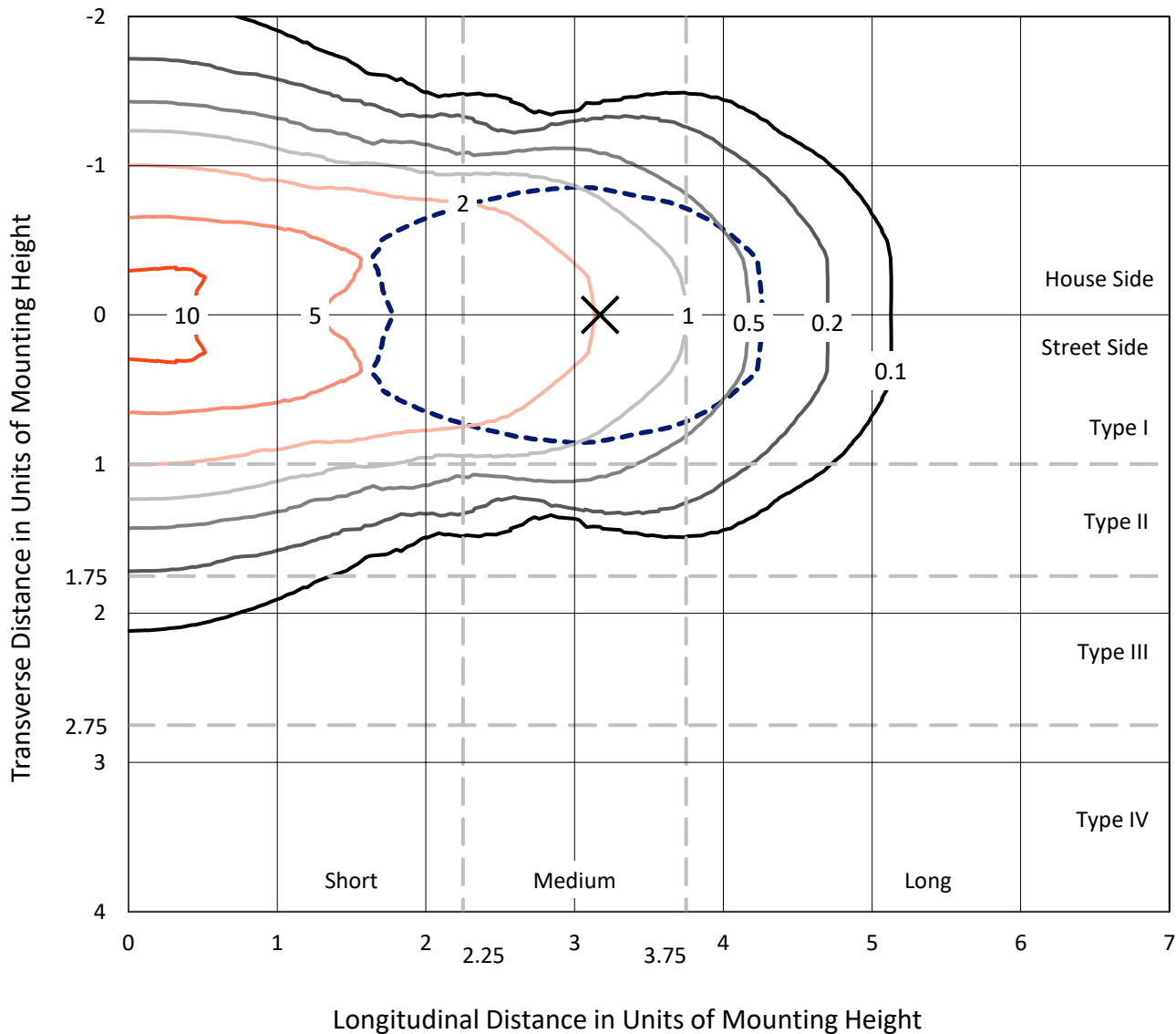
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

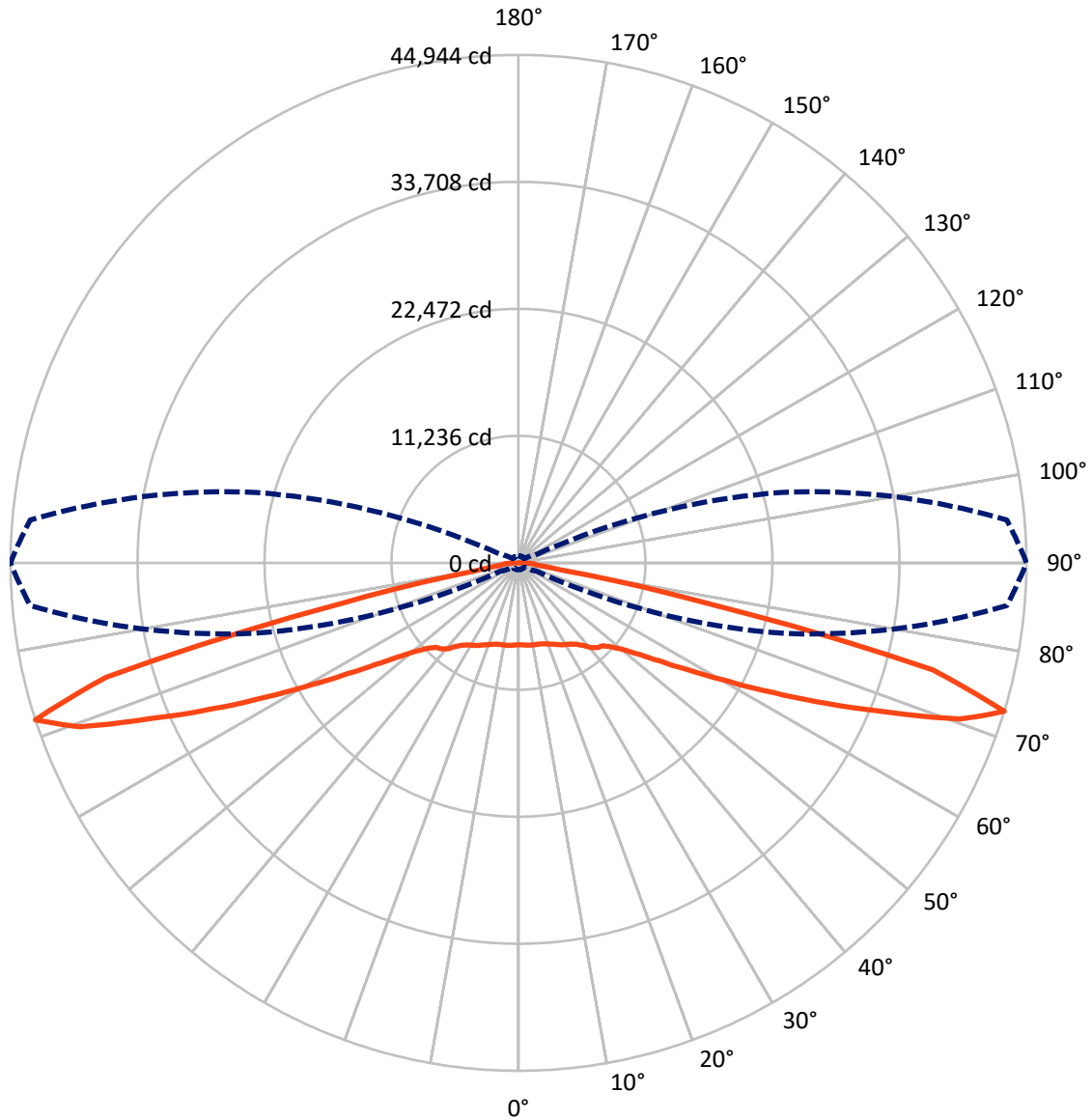
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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
House Side	Lumens	19438.0	0.0	19438.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19438.0	0.0	19438.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38876.0	0.0	38876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.4	1.8
10°-20°	2153.7	5.5
20°-30°	3591.1	9.2
30°-40°	4938.8	12.7
40°-50°	6031.7	15.5
50°-60°	6976.3	17.9
60°-70°	8318.0	21.4
70°-80°	5805.5	14.9
80°-90°	356.6	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°	38876.0	100.0
0°-180°	38876.0	100.0

Coefficient of Utilization



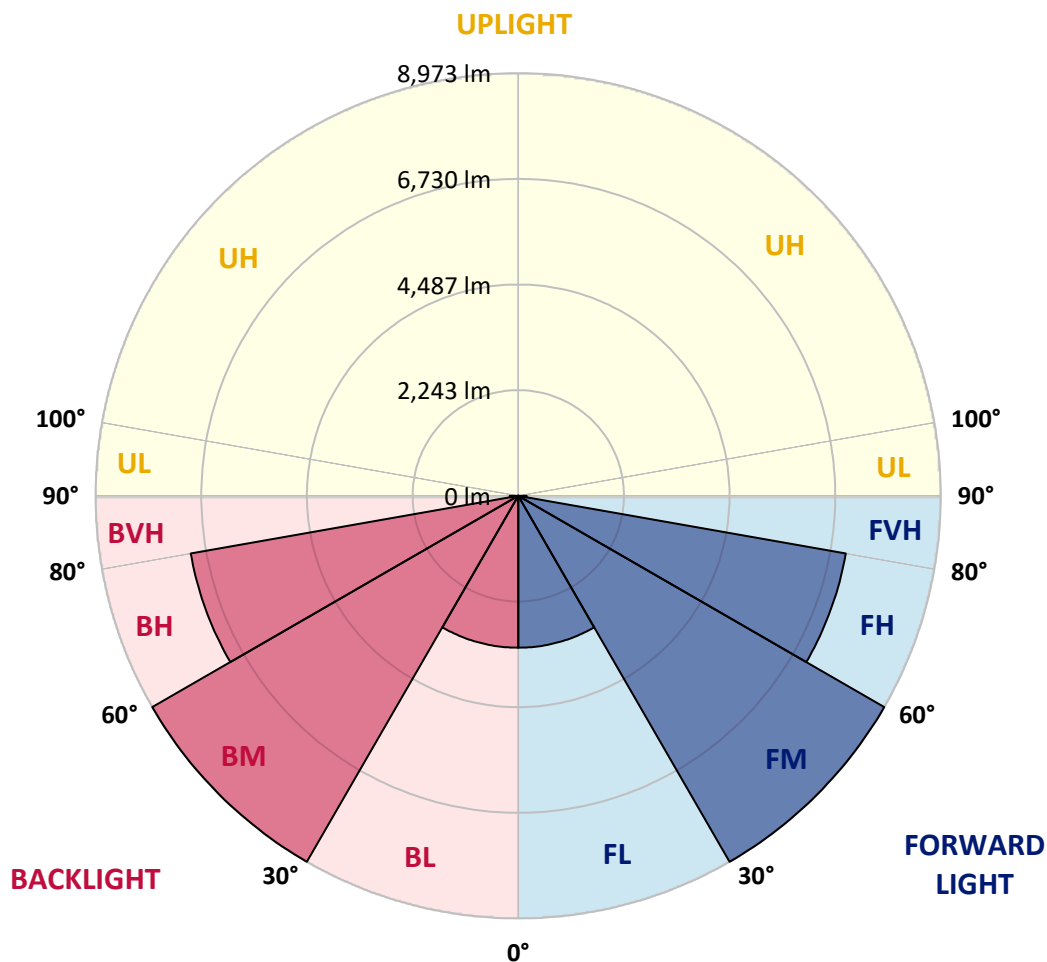
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3224.6	8.3			
FM (30°-60°)	8973.4	23.1			
FH (60°-80°)	7061.8	18.2			G3/7500
FVH (80°-90°)	178.3	0.5			G2/225
BL (0°-30°)	3224.6	8.3	B4/5000		
BM (30°-60°)	8973.4	23.1	B5		
BH (60°-80°)	7061.8	18.2	B5		G5
BVH (80°-90°)	178.3	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°	7264.4	7264.4	7264.4	7264.4	7264.4	7264.4	7264.4	7264.4	7264.4	7264.4
2.5°	7270.6	7278.9	7278.9	7272.7	7287.1	7274.7	7274.7	7268.5	7274.7	7268.5
5°	7307.8	7318.1	7322.2	7320.2	7338.8	7328.4	7328.4	7320.2	7322.2	7316.0
7.5°	7378.0	7392.5	7400.8	7411.1	7437.9	7425.5	7417.3	7392.5	7382.2	7365.6
10°	7400.8	7417.3	7444.1	7497.9	7559.8	7561.9	7537.1	7475.1	7427.6	7390.4
12.5°	7330.5	7353.2	7409.0	7518.5	7656.9	7712.7	7673.5	7570.2	7477.2	7411.1
15°	7241.7	7266.5	7351.2	7516.5	7721.0	7851.2	7847.0	7710.7	7561.9	7458.6
17.5°	7103.2	7128.0	7249.9	7481.3	7770.6	7985.5	8043.3	7902.8	7694.1	7555.7
20°	6853.2	6876.0	7045.4	7369.8	7787.1	8128.0	8278.8	8154.9	7894.6	7706.5
22.5°	6528.9	6564.0	6762.3	7177.6	7747.9	8276.8	8547.4	8462.7	8128.0	7867.7
25°	6181.8	6218.9	6450.3	6942.1	7646.6	8384.2	8865.6	8811.9	8392.5	8068.1
27.5°	5882.2	5921.4	6173.5	6708.6	7489.6	8425.5	9179.7	9206.5	8712.7	8289.2
30°	5646.6	5683.8	5952.4	6520.6	7287.1	8384.2	9454.5	9640.4	9039.2	8481.3
32.5°	5388.4	5435.9	5719.0	6291.3	7047.5	8285.0	9694.1	10109.4	9417.3	8687.9
35°	5061.9	5105.3	5402.8	5977.2	6733.4	8126.0	9894.5	10630.1	9958.6	9002.0
37.5°	4665.2	4706.6	5002.0	5584.7	6421.4	7902.8	10047.4	11216.8	10603.2	9454.5
40°	4266.5	4305.7	4582.6	5146.6	6047.5	7617.7	10101.1	11791.2	11342.9	10076.3
42.5°	3900.8	3935.9	4190.0	4714.8	5628.0	7254.1	10030.9	12291.2	12006.1	10510.2
45°	3564.0	3595.0	3820.2	4309.9	5192.1	6811.9	9820.2	12828.4	12795.3	10820.1
47.5°	3179.7	3210.7	3444.2	3917.3	4756.2	6293.3	9462.7	13357.3	13892.4	11522.6
50°	2710.7	2737.6	2977.2	3464.8	4303.7	5741.7	8966.9	13772.6	15276.7	12586.7
52.5°	2154.9	2183.9	2417.3	2904.9	3766.5	5148.7	8314.0	14043.2	16875.9	14140.4
55°	1603.3	1624.0	1826.4	2264.4	3101.2	4473.1	7495.8	14119.7	18689.9	16264.3
57.5°	1163.2	1175.6	1305.8	1632.2	2351.2	3628.1	6502.0	13921.3	20849.0	18987.4
60°	942.1	946.3	985.5	1130.2	1634.3	2673.5	5301.6	13239.5	23191.9	22497.7
62.5°	855.4	855.4	865.7	904.9	1105.4	1764.4	3849.1	11826.3	25704.3	26933.6
65°	795.4	795.4	799.6	818.2	871.9	1124.0	2429.7	9524.7	27822.0	32129.8
67.5°	741.7	743.8	741.7	747.9	778.9	830.6	1409.1	6578.4	28962.5	37514.1
70°	685.9	690.1	679.7	679.7	704.5	706.6	882.2	3607.4	28016.3	42026.4
72.5°	619.8	626.0	609.5	605.4	624.0	615.7	663.2	1731.4	24053.5	43373.5
75°	562.0	570.2	533.1	522.7	522.7	516.5	539.3	888.4	15611.4	35381.9
77.5°	510.3	526.9	466.9	433.9	425.6	407.0	440.1	543.4	6828.4	16611.4
80°	421.5	444.2	384.3	345.0	330.6	309.9	347.1	380.2	2031.0	3857.4
82.5°	314.0	324.4	272.7	245.9	233.5	219.0	260.3	264.5	661.2	1365.7
85°	200.4	204.5	167.4	144.6	138.4	132.2	165.3	144.6	252.1	1004.1
87.5°	70.2	80.6	64.0	57.9	62.0	51.7	76.4	43.4	70.2	708.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7264.4
7268.5
7316.0
7365.6
7384.2
7400.8
7442.1
7533.0
7671.4
7820.2
8002.0
8218.9
8380.1
8559.8
8859.4
9264.4
9873.9
10249.9
10468.9
11117.7
12078.4
13514.3
15481.3
18001.9
21256.0
25270.4
30026.6
35243.5
41429.3
44943.8
37844.7
16266.4
3694.2
1543.4
1458.7
878.1
0.0

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