

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: P850034

Luminaire Tested: **GLAN-SB7B-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850034
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-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32801 lumens
Efficiency: N/A
Efficacy: 127.8 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

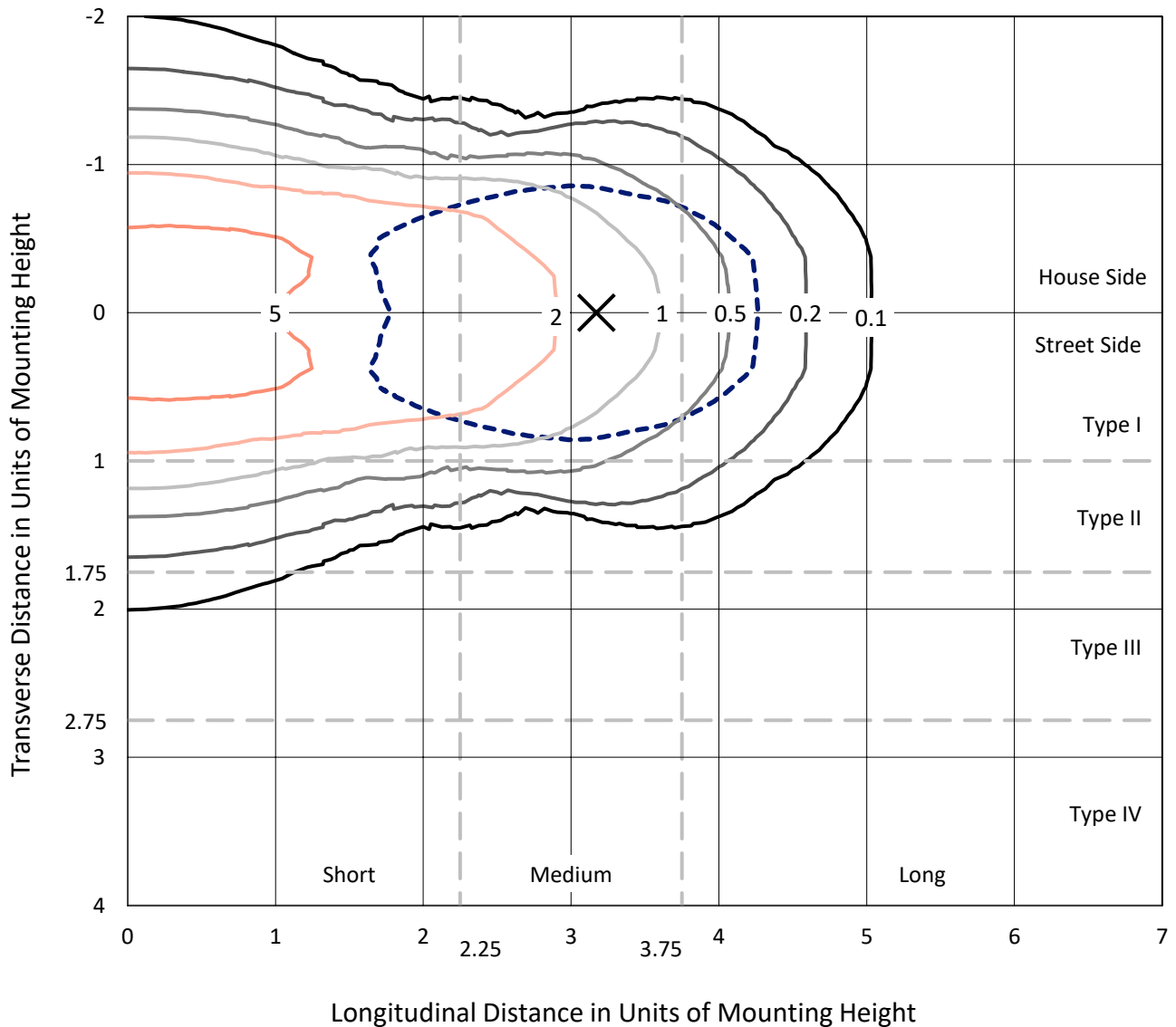
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

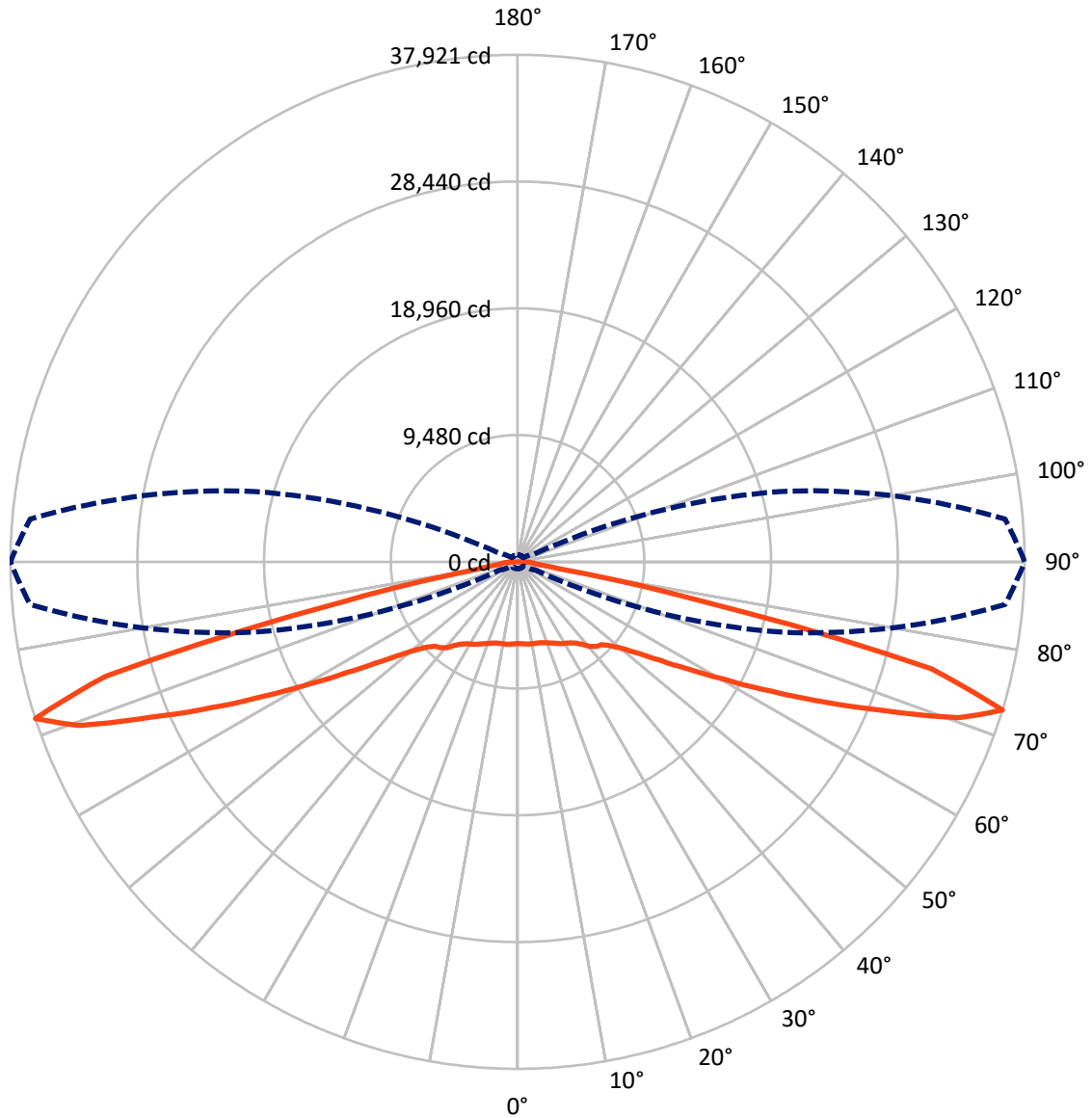
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	16400.5	0.0	16400.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16400.5	0.0	16400.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32801.0	0.0	32801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.3	1.8
10°-20°	1817.1	5.5
20°-30°	3029.9	9.2
30°-40°	4167.1	12.7
40°-50°	5089.1	15.5
50°-60°	5886.1	17.9
60°-70°	7018.2	21.4
70°-80°	4898.3	14.9
80°-90°	300.9	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°	32801.0	100.0
0°-180°	32801.0	100.0

Coefficient of Utilization



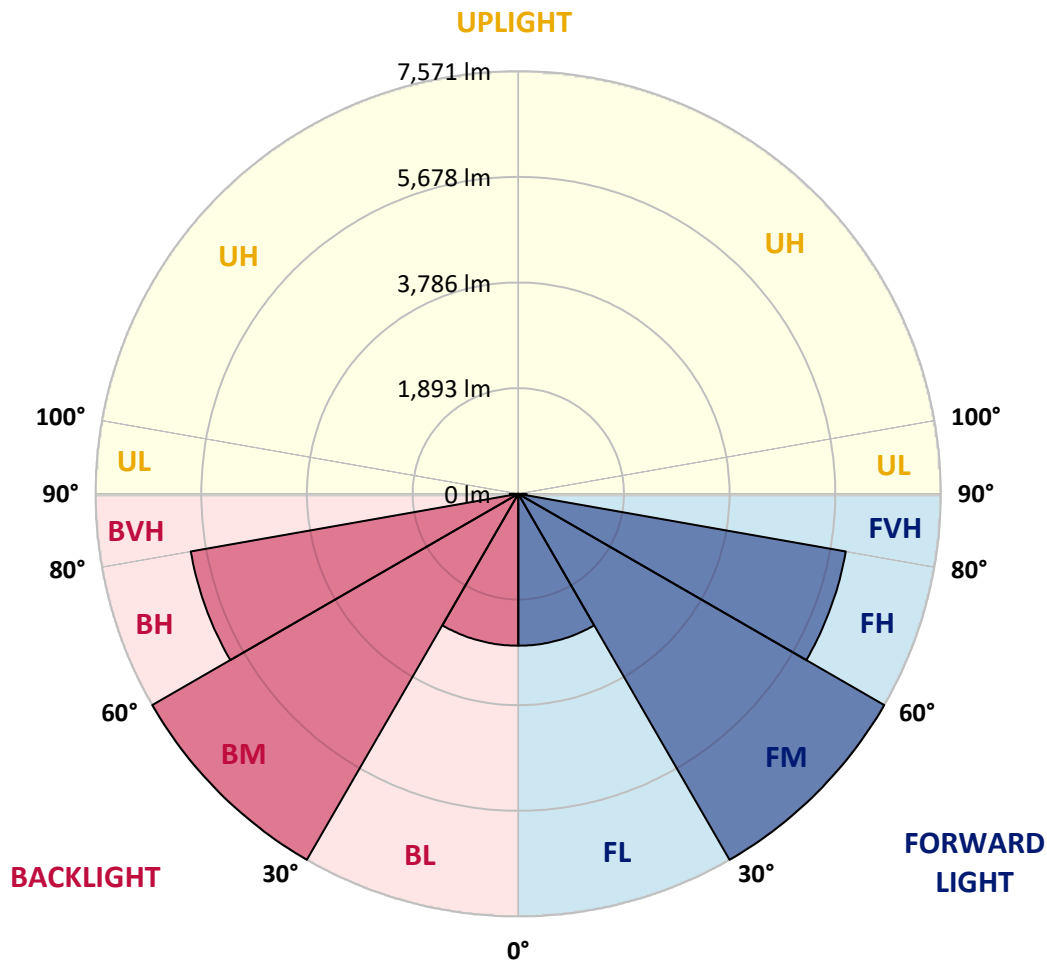
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2720.7	8.3			
FM (30°-60°)	7571.2	23.1			
FH (60°-80°)	5958.2	18.2			G3/7500
FVH (80°-90°)	150.4	0.5			G2/225
BL (0°-30°)	2720.7	8.3	B4/5000		
BM (30°-60°)	7571.2	23.1	B4/8500		
BH (60°-80°)	5958.2	18.2	B5		G5
BVH (80°-90°)	150.4	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°	6129.2	6129.2	6129.2	6129.2	6129.2	6129.2	6129.2	6129.2	6129.2	6129.2
2.5°	6134.4	6141.4	6141.4	6136.2	6148.4	6137.9	6137.9	6132.7	6137.9	6132.7
5°	6165.8	6174.5	6178.0	6176.3	6192.0	6183.3	6183.3	6176.3	6178.0	6172.8
7.5°	6225.1	6237.3	6244.3	6253.0	6275.6	6265.2	6258.2	6237.3	6228.6	6214.6
10°	6244.3	6258.2	6280.9	6326.2	6378.5	6380.2	6359.3	6307.0	6266.9	6235.6
12.5°	6185.0	6204.2	6251.2	6343.6	6460.4	6507.5	6474.4	6387.2	6308.8	6253.0
15°	6110.0	6131.0	6202.4	6341.9	6514.5	6624.3	6620.8	6505.8	6380.2	6293.1
17.5°	5993.2	6014.2	6117.0	6312.3	6556.3	6737.6	6786.4	6667.9	6491.8	6375.0
20°	5782.3	5801.5	5944.4	6218.1	6570.3	6857.9	6985.1	6880.5	6660.9	6502.3
22.5°	5508.6	5538.3	5705.6	6056.0	6537.1	6983.4	7211.8	7140.3	6857.9	6638.2
25°	5215.8	5247.1	5442.4	5857.3	6451.7	7074.0	7480.2	7434.9	7081.0	6807.3
27.5°	4963.0	4996.1	5208.8	5660.3	6319.2	7108.9	7745.2	7767.9	7351.2	6993.9
30°	4764.3	4795.6	5022.3	5501.6	6148.4	7074.0	7977.0	8133.9	7626.7	7156.0
32.5°	4546.4	4586.5	4825.3	5308.1	5946.2	6990.4	8179.3	8529.6	7945.7	7330.3
35°	4270.9	4307.5	4558.6	5043.2	5681.2	6856.1	8348.4	8968.9	8402.4	7595.3
37.5°	3936.2	3971.1	4220.4	4712.0	5418.0	6667.9	8477.4	9464.0	8946.3	7977.0
40°	3599.8	3632.9	3866.5	4342.4	5102.4	6427.3	8522.7	9948.6	9570.4	8501.8
42.5°	3291.2	3320.9	3535.3	3978.1	4748.6	6120.5	8463.4	10370.5	10129.9	8867.8
45°	3007.1	3033.2	3223.2	3636.4	4380.7	5747.4	8285.6	10823.7	10795.9	9129.3
47.5°	2682.8	2709.0	2906.0	3305.2	4012.9	5309.9	7984.0	11270.0	11721.5	9722.0
50°	2287.1	2309.8	2512.0	2923.4	3631.2	4844.4	7565.6	11620.4	12889.5	10619.8
52.5°	1818.2	1842.6	2039.6	2451.0	3177.9	4344.1	7014.8	11848.8	14238.7	11930.7
55°	1352.8	1370.2	1541.0	1910.6	2616.6	3774.1	6324.5	11913.3	15769.3	13722.7
57.5°	981.4	991.9	1101.7	1377.2	1983.8	3061.1	5486.0	11745.9	17591.0	16020.3
60°	794.9	798.4	831.5	953.5	1378.9	2255.7	4473.1	11170.6	19567.8	18982.1
62.5°	721.7	721.7	730.4	763.5	932.6	1488.7	3247.6	9978.3	21687.6	22724.8
65°	671.1	671.1	674.6	690.3	735.6	948.3	2050.0	8036.3	23474.4	27109.0
67.5°	625.8	627.6	625.8	631.1	657.2	700.8	1188.9	5550.5	24436.7	31651.9
70°	578.8	582.2	573.5	573.5	594.4	596.2	744.4	3043.7	23638.3	35459.1
72.5°	523.0	528.2	514.3	510.8	526.5	519.5	559.6	1460.8	20294.7	36595.7
75°	474.2	481.1	449.8	441.0	441.0	435.8	455.0	749.6	13171.9	29852.9
77.5°	430.6	444.5	394.0	366.1	359.1	343.4	371.3	458.5	5761.4	14015.6
80°	355.6	374.8	324.2	291.1	278.9	261.5	292.9	320.8	1713.6	3254.6
82.5°	265.0	273.7	230.1	207.4	197.0	184.8	219.6	223.1	557.8	1152.3
85°	169.1	172.6	141.2	122.0	116.8	111.6	139.5	122.0	212.7	847.2
87.5°	59.3	68.0	54.0	48.8	52.3	43.6	64.5	36.6	59.3	597.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6129.2
6132.7
6172.8
6214.6
6230.3
6244.3
6279.1
6355.8
6472.6
6598.1
6751.5
6934.6
7070.6
7222.2
7475.0
7816.7
8330.9
8648.2
8833.0
9380.3
10190.9
11402.5
13062.1
15188.8
17934.4
21321.5
25334.4
29736.1
34955.3
37920.6
31930.8
13724.5
3116.9
1302.2
1230.7
740.9
0.0

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