

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: P850234

Luminaire Tested: **GLAN-SB7C-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850234
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-SB7C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33930 lumens
Efficiency: N/A
Efficacy: 96.8 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

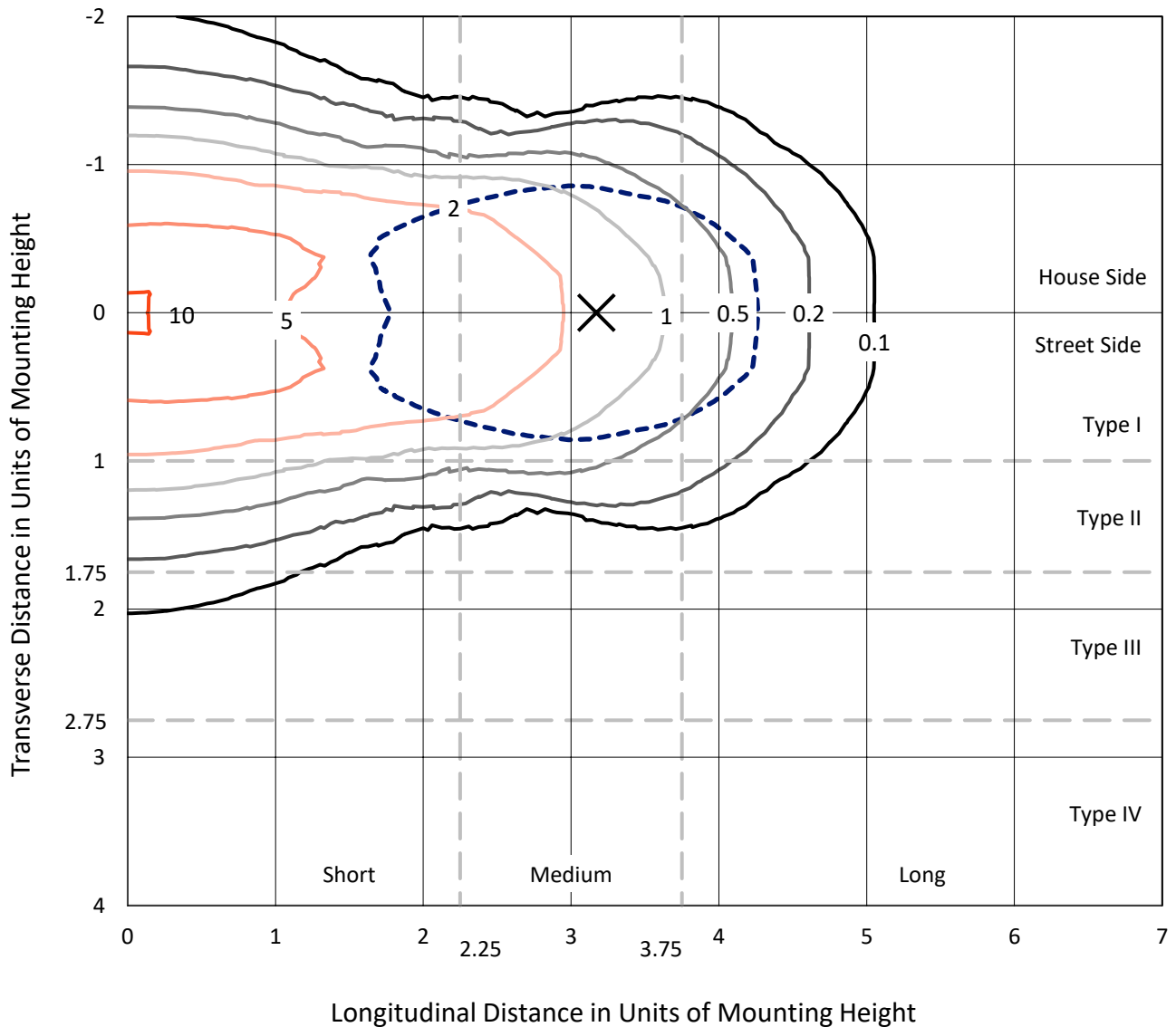
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

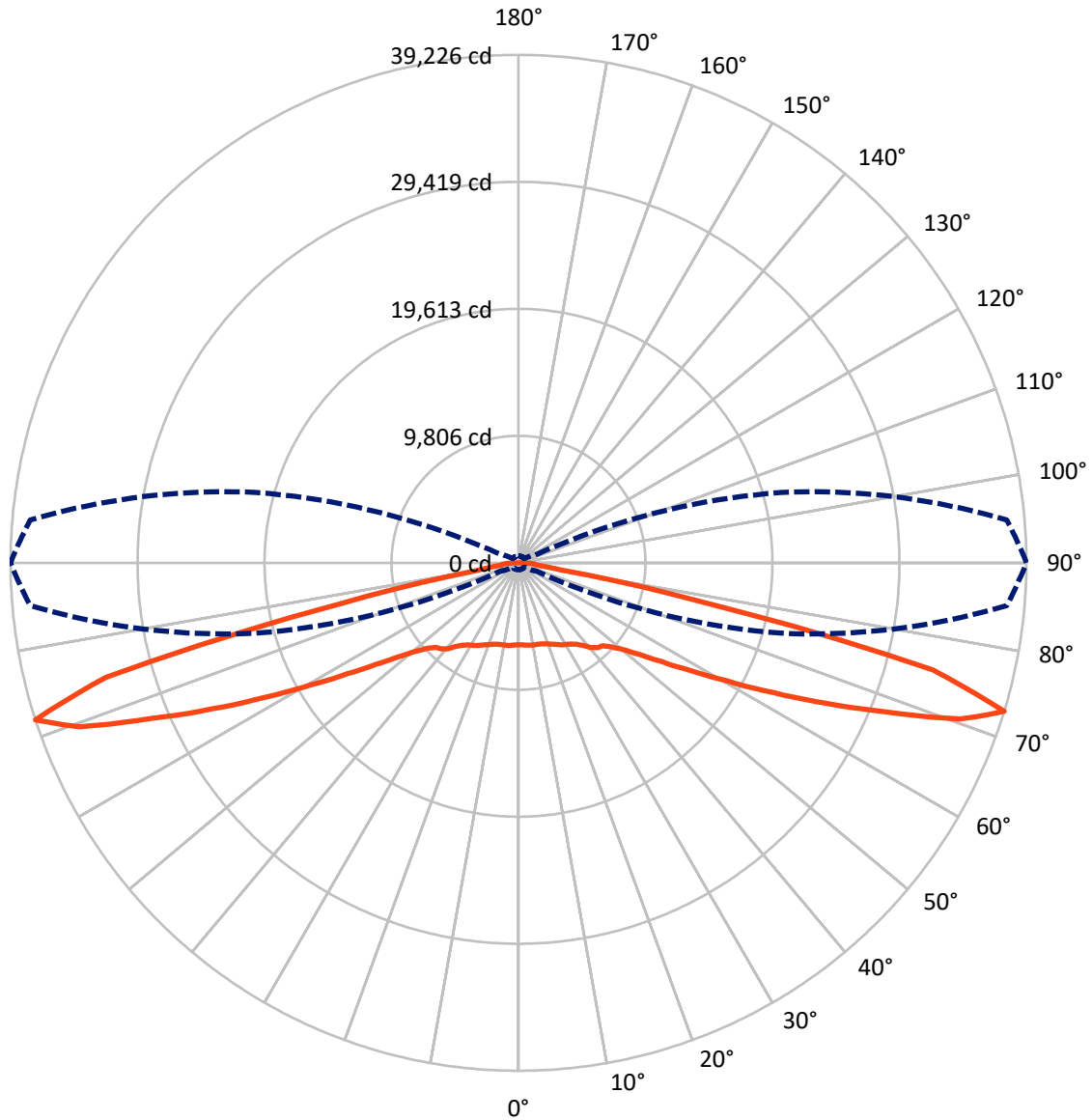
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	16965.0	0.0	16965.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16965.0	0.0	16965.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33930.0	0.0	33930.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.8	1.8
10°-20°	1879.7	5.5
20°-30°	3134.2	9.2
30°-40°	4310.5	12.7
40°-50°	5264.3	15.5
50°-60°	6088.7	17.9
60°-70°	7259.8	21.4
70°-80°	5066.9	14.9
80°-90°	311.2	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°	33930.0	100.0
0°-180°	33930.0	100.0

Coefficient of Utilization



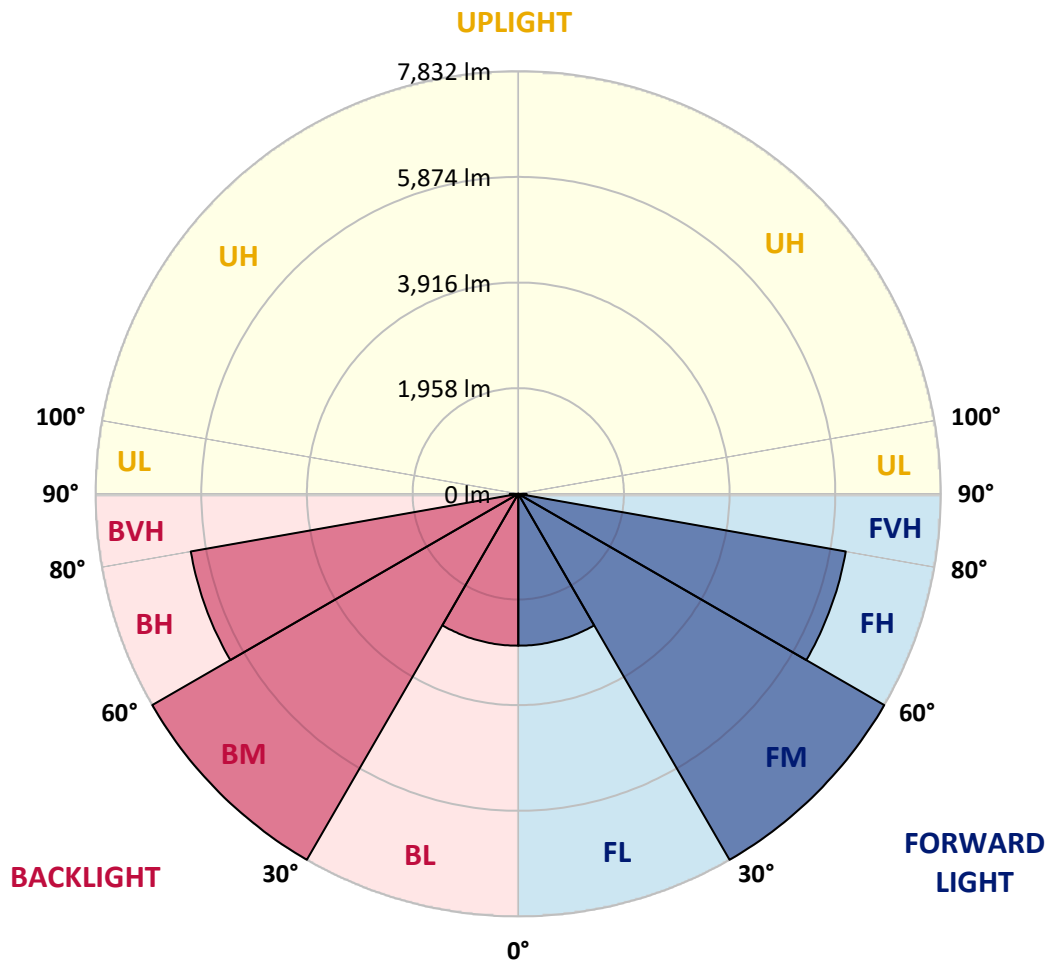
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2814.3	8.3			
FM (30°-60°)	7831.8	23.1			
FH (60°-80°)	6163.3	18.2			G3/7500
FVH (80°-90°)	155.6	0.5			G2/225
BL (0°-30°)	2814.3	8.3	B4/5000		
BM (30°-60°)	7831.8	23.1	B4/8500		
BH (60°-80°)	6163.3	18.2	B5		G5
BVH (80°-90°)	155.6	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°	6340.2	6340.2	6340.2	6340.2	6340.2	6340.2	6340.2	6340.2	6340.2	6340.2
2.5°	6345.6	6352.8	6352.8	6347.4	6360.0	6349.2	6349.2	6343.8	6349.2	6343.8
5°	6378.0	6387.1	6390.7	6388.9	6405.1	6396.1	6396.1	6388.9	6390.7	6385.3
7.5°	6439.4	6452.0	6459.2	6468.2	6491.7	6480.8	6473.6	6452.0	6443.0	6428.5
10°	6459.2	6473.6	6497.1	6543.9	6598.0	6599.8	6578.2	6524.1	6482.6	6450.2
12.5°	6397.9	6417.7	6466.4	6562.0	6682.8	6731.5	6697.2	6607.1	6525.9	6468.2
15°	6320.3	6342.0	6415.9	6560.2	6738.7	6852.3	6848.7	6729.7	6599.8	6509.7
17.5°	6199.5	6221.2	6327.6	6529.5	6782.0	6969.5	7020.0	6897.4	6715.3	6594.4
20°	5981.3	6001.2	6149.0	6432.1	6796.4	7093.9	7225.6	7117.4	6890.2	6726.1
22.5°	5698.2	5728.9	5902.0	6264.4	6762.1	7223.8	7460.0	7386.1	7093.9	6866.7
25°	5395.3	5427.7	5629.7	6058.9	6673.8	7317.5	7737.7	7690.8	7324.7	7041.6
27.5°	5133.8	5168.1	5388.1	5855.1	6536.7	7353.6	8011.8	8035.2	7604.2	7234.6
30°	4928.2	4960.7	5195.1	5691.0	6360.0	7317.5	8251.6	8413.9	7889.2	7402.3
32.5°	4702.8	4744.3	4991.4	5490.9	6150.8	7231.0	8460.8	8823.2	8219.2	7582.6
35°	4417.9	4455.8	4715.5	5216.8	5876.7	7092.1	8635.7	9277.7	8691.6	7856.7
37.5°	4071.7	4107.8	4365.6	4874.1	5604.5	6897.4	8769.1	9789.8	9254.2	8251.6
40°	3723.7	3757.9	3999.6	4491.9	5278.1	6648.5	8816.0	10291.1	9899.8	8794.4
42.5°	3404.5	3435.2	3657.0	4115.0	4912.0	6331.2	8754.7	10727.5	10478.6	9173.1
45°	3110.6	3137.6	3334.2	3761.6	4531.5	5945.3	8570.8	11196.3	11167.4	9443.5
47.5°	2775.2	2802.2	3006.0	3418.9	4151.0	5492.7	8258.8	11657.9	12125.0	10056.6
50°	2365.8	2389.3	2598.5	3024.0	3756.1	5011.2	7826.0	12020.4	13333.1	10985.3
52.5°	1880.8	1906.0	2109.8	2535.4	3287.3	4493.7	7256.2	12256.6	14728.8	12341.3
55°	1399.3	1417.3	1594.1	1976.3	2706.7	3904.0	6542.1	12323.3	16312.1	14195.1
57.5°	1015.2	1026.0	1139.6	1424.6	2052.1	3166.5	5674.8	12150.2	18196.5	16571.7
60°	822.3	825.9	860.1	986.4	1426.4	2333.4	4627.1	11555.1	20241.3	19635.4
62.5°	746.5	746.5	755.6	789.8	964.7	1540.0	3359.4	10321.7	22434.1	23507.0
65°	694.2	694.2	697.9	714.1	761.0	981.0	2120.6	8312.9	24282.4	28042.1
67.5°	647.4	649.2	647.4	652.8	679.8	724.9	1229.8	5741.5	25277.8	32741.4
70°	598.7	602.3	593.3	593.3	614.9	616.7	770.0	3148.5	24451.9	36679.6
72.5°	541.0	546.4	532.0	528.3	544.6	537.4	578.8	1511.1	20993.3	37855.3
75°	490.5	497.7	465.2	456.2	456.2	450.8	470.6	775.4	13625.3	30880.4
77.5°	445.4	459.8	407.5	378.7	371.5	355.2	384.1	474.3	5959.7	14498.0
80°	367.9	387.7	335.4	301.1	288.5	270.5	302.9	331.8	1772.6	3366.6
82.5°	274.1	283.1	238.0	214.6	203.8	191.1	227.2	230.8	577.0	1191.9
85°	174.9	178.5	146.1	126.2	120.8	115.4	144.3	126.2	220.0	876.4
87.5°	61.3	70.3	55.9	50.5	54.1	45.1	66.7	37.9	61.3	618.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6340.2
6343.8
6385.3
6428.5
6444.8
6459.2
6495.3
6574.6
6695.4
6825.2
6983.9
7173.3
7313.9
7470.8
7732.3
8085.7
8617.7
8945.9
9137.0
9703.2
10541.7
11795.0
13511.6
15711.6
18551.7
22055.4
26206.4
30759.6
36158.5
39225.8
33029.9
14196.9
3224.2
1347.0
1273.1
766.4
0.0

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