

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: P850224

Luminaire Tested: **GLAN-SB7C-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850224
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-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45241 lumens
Efficiency: N/A
Efficacy: 129.1 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

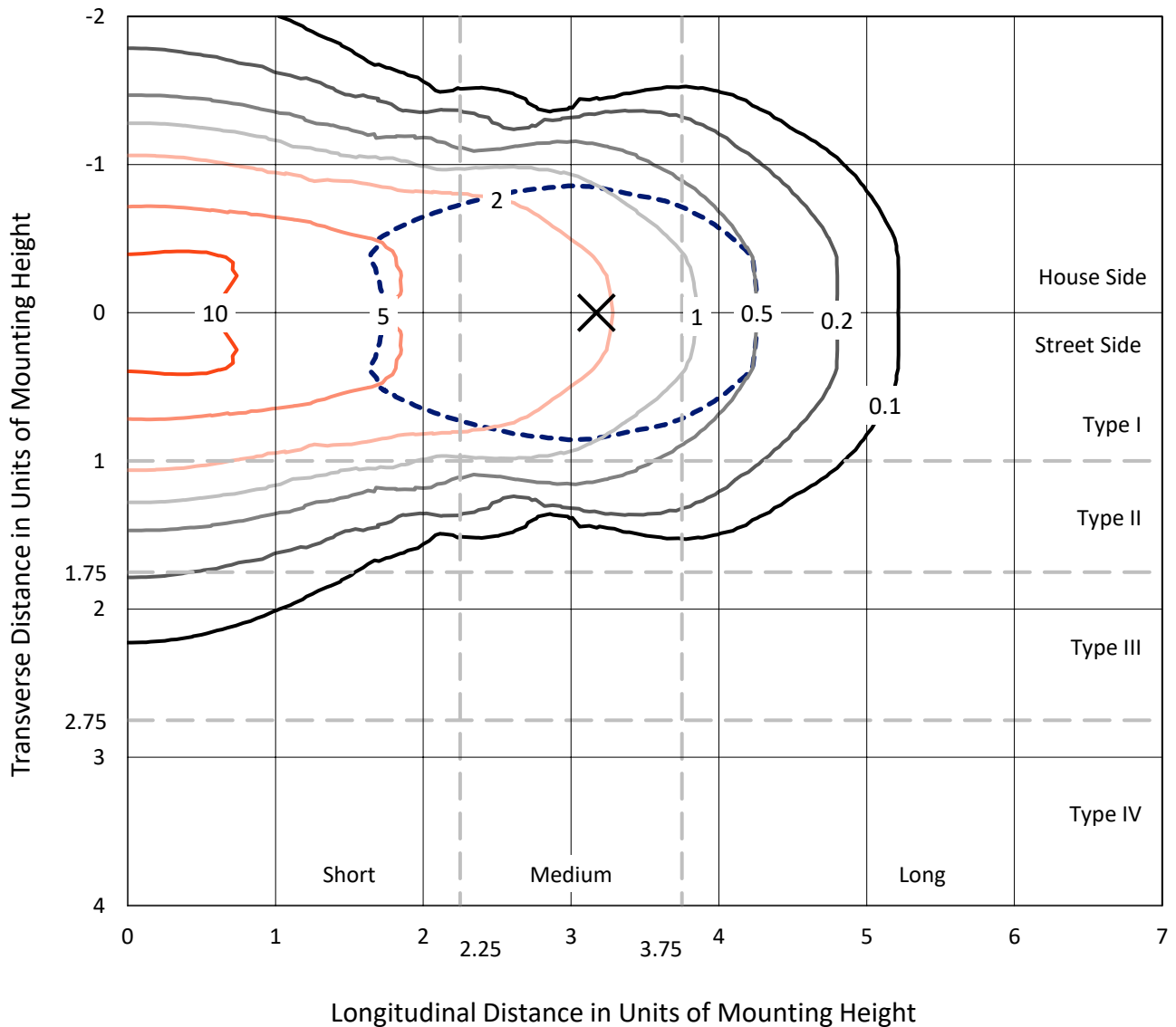
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

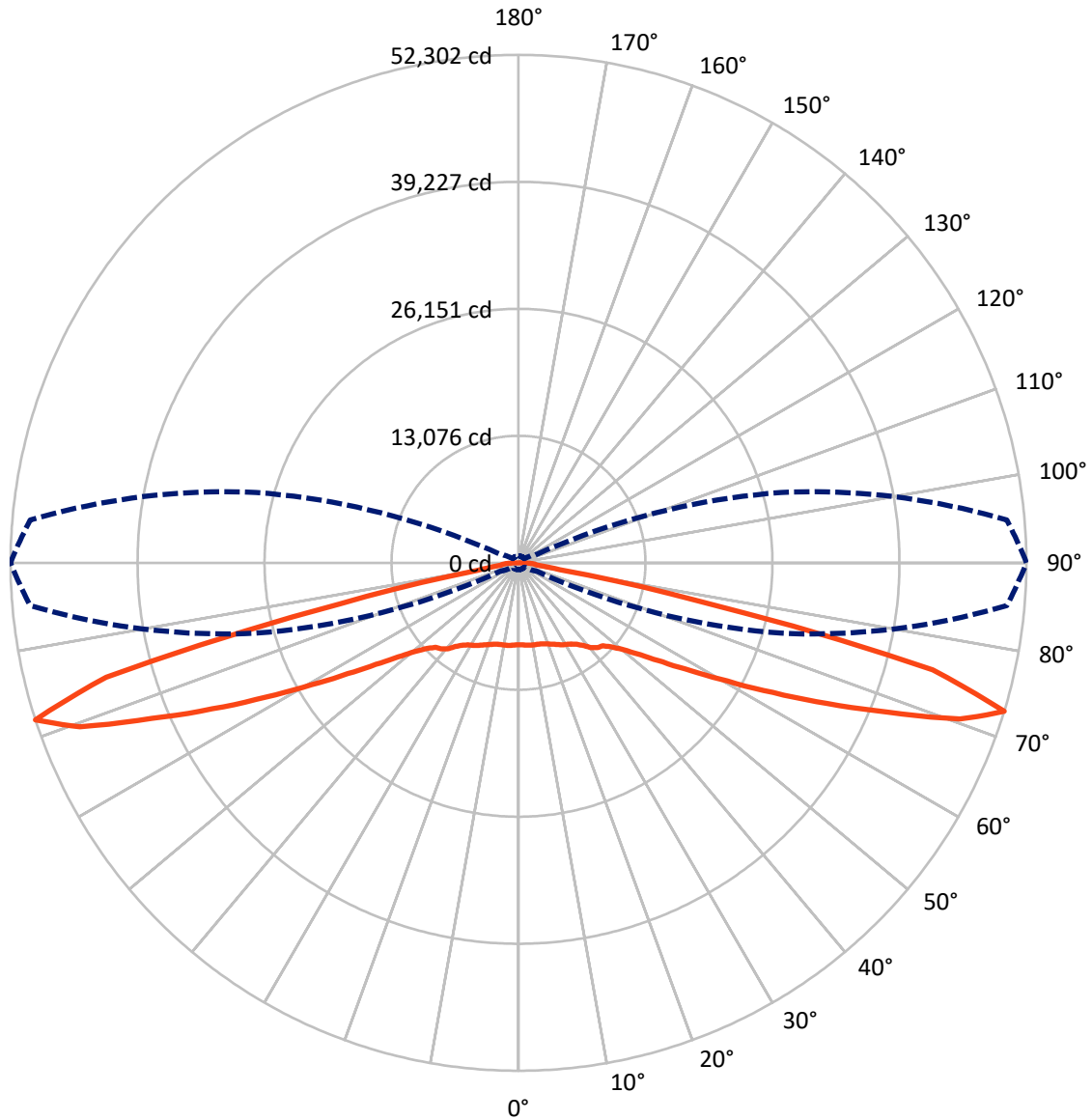
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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
House Side	Lumens	22620.5	0.0	22620.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22620.5	0.0	22620.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45241.0	0.0	45241.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	819.7	1.8
10°-20°	2506.3	5.5
20°-30°	4179.0	9.2
30°-40°	5747.5	12.7
40°-50°	7019.2	15.5
50°-60°	8118.5	17.9
60°-70°	9679.9	21.4
70°-80°	6756.0	14.9
80°-90°	415.0	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°	45241.0	100.0
0°-180°	45241.0	100.0

Coefficient of Utilization

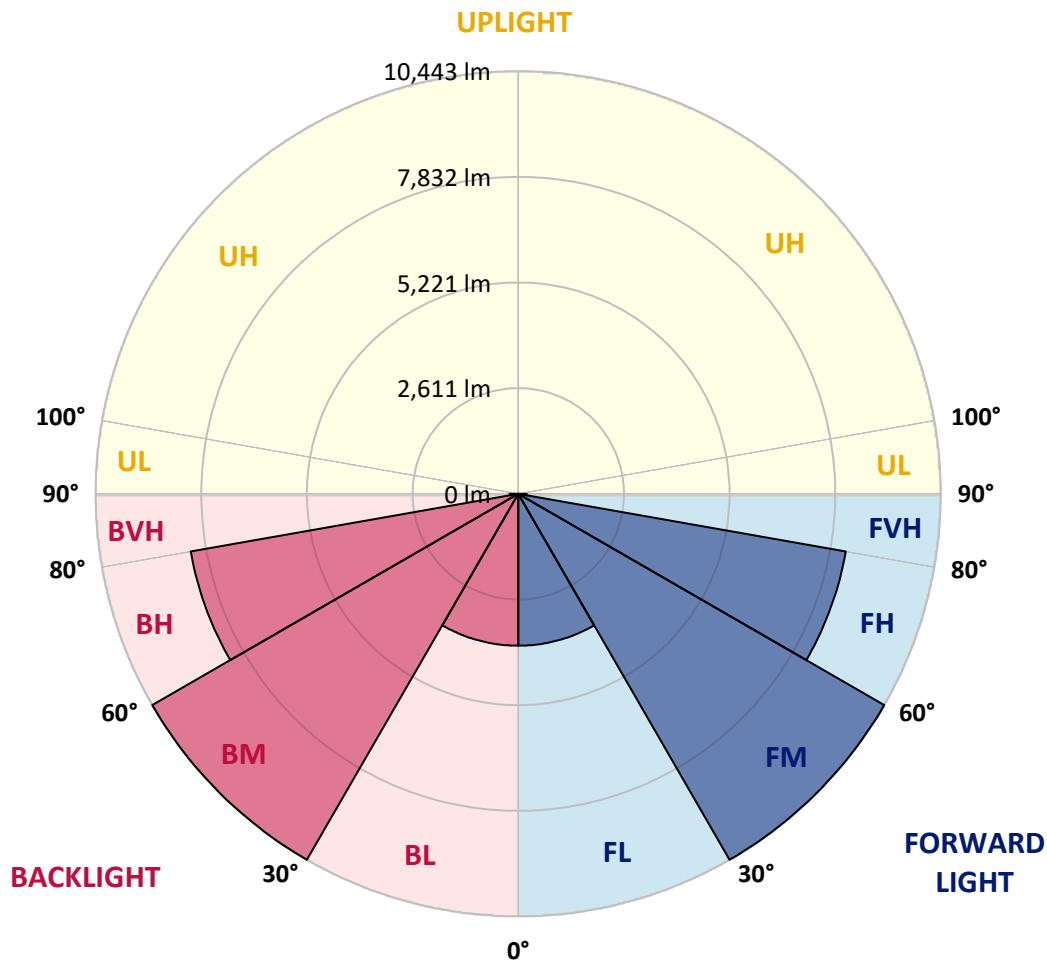


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3752.5	8.3			
FM (30°-60°)	10442.6	23.1			
FH (60°-80°)	8217.9	18.2			G4/12000
FVH (80°-90°)	207.5	0.5			G2/225
BL (0°-30°)	3752.5	8.3	B4/5000		
BM (30°-60°)	10442.6	23.1	B5		
BH (60°-80°)	8217.9	18.2	B5		G5
BVH (80°-90°)	207.5	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°	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8	8453.8
2.5°	8461.0	8470.6	8470.6	8463.4	8480.2	8465.8	8465.8	8458.6	8465.8	8458.6
5°	8504.3	8516.3	8521.1	8518.7	8540.3	8528.3	8528.3	8518.7	8521.1	8513.9
7.5°	8586.0	8602.8	8612.4	8624.5	8655.7	8641.3	8631.7	8602.8	8590.8	8571.6
10°	8612.4	8631.7	8662.9	8725.5	8797.6	8800.0	8771.1	8699.0	8643.7	8600.4
12.5°	8530.7	8557.1	8622.1	8749.5	8910.6	8975.5	8929.8	8809.6	8701.4	8624.5
15°	8427.3	8456.2	8554.7	8747.1	8985.1	9136.6	9131.8	8973.1	8800.0	8679.8
17.5°	8266.2	8295.1	8436.9	8706.2	9042.8	9292.9	9360.2	9196.7	8953.9	8792.8
20°	7975.3	8001.7	8198.9	8576.4	9062.1	9458.8	9634.3	9490.0	9187.1	8968.3
22.5°	7597.8	7638.7	7869.5	8352.8	9016.4	9631.9	9946.9	9848.3	9458.8	9155.8
25°	7193.9	7237.1	7506.4	8078.7	8898.6	9756.9	10317.1	10254.6	9766.5	9389.1
27.5°	6845.2	6890.9	7184.3	7807.0	8715.8	9805.0	10682.6	10713.9	10139.2	9646.3
30°	6571.1	6614.4	6927.0	7588.2	8480.2	9756.9	11002.4	11218.8	10519.1	9869.9
32.5°	6270.6	6325.9	6655.3	7321.3	8201.3	9641.5	11281.3	11764.6	10959.1	10110.4
35°	5890.7	5941.2	6287.4	6955.8	7835.8	9456.4	11514.5	12370.5	11589.1	10475.8
37.5°	5429.1	5477.2	5821.0	6499.0	7472.8	9196.7	11692.4	13053.3	12339.2	11002.4
40°	4965.0	5010.7	5332.9	5989.3	7037.6	8864.9	11755.0	13721.7	13200.0	11726.1
42.5°	4539.4	4580.3	4876.1	5486.8	6549.5	8441.7	11673.2	14303.6	13971.8	12231.0
45°	4147.5	4183.6	4445.7	5015.5	6042.2	7927.2	11428.0	14928.7	14890.3	12591.7
47.5°	3700.3	3736.4	4008.1	4558.7	5534.9	7323.7	11012.0	15544.2	16167.0	13409.2
50°	3154.5	3185.8	3464.7	4032.1	5008.3	6681.7	10435.0	16027.5	17777.9	14647.4
52.5°	2507.8	2541.4	2813.1	3380.5	4383.2	5991.7	9675.2	16342.5	19638.9	16455.5
55°	1865.8	1889.8	2125.5	2635.2	3609.0	5205.5	8723.0	16431.5	21749.9	18927.2
57.5°	1353.7	1368.1	1519.6	1899.5	2736.2	4222.1	7566.5	16200.6	24262.5	22096.1
60°	1096.4	1101.2	1146.9	1315.2	1901.9	3111.3	6169.6	15407.2	26989.0	26181.2
62.5°	995.4	995.4	1007.4	1053.1	1286.3	2053.3	4479.3	13762.6	29912.7	31343.3
65°	925.7	925.7	930.5	952.1	1014.6	1308.0	2827.5	11084.1	32377.2	37390.3
67.5°	863.2	865.6	863.2	870.4	906.4	966.6	1639.8	7655.5	33704.4	43656.1
70°	798.3	803.1	791.0	791.0	819.9	822.3	1026.7	4198.0	32603.2	48907.3
72.5°	721.3	728.5	709.3	704.5	726.1	716.5	771.8	2014.9	27991.7	50474.9
75°	654.0	663.6	620.3	608.3	608.3	601.1	627.5	1033.9	18167.4	41174.8
77.5°	593.9	613.1	543.4	504.9	495.3	473.7	512.1	632.3	7946.4	19331.1
80°	490.5	516.9	447.2	401.5	384.7	360.7	403.9	442.4	2363.5	4489.0
82.5°	365.5	377.5	317.4	286.1	271.7	254.9	303.0	307.8	769.4	1589.3
85°	233.2	238.0	194.8	168.3	161.1	153.9	192.3	168.3	293.3	1168.5
87.5°	81.7	93.8	74.5	67.3	72.1	60.1	89.0	50.5	81.7	824.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8453.8
8458.6
8513.9
8571.6
8593.2
8612.4
8660.5
8766.3
8927.4
9100.5
9312.1
9564.6
9752.1
9961.3
10309.9
10781.2
11490.5
11928.1
12182.9
12937.9
14055.9
15727.0
18015.9
20949.3
24736.1
29407.8
34942.7
41013.7
48212.4
52302.2
44040.8
18929.6
4299.0
1796.1
1697.5
1021.9
0.0

OF REPORT)