

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: P850884

Luminaire Tested: **GLAN-SB8C-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850884
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-SB8C-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49603 lumens
Efficiency: N/A
Efficacy: 124.1 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

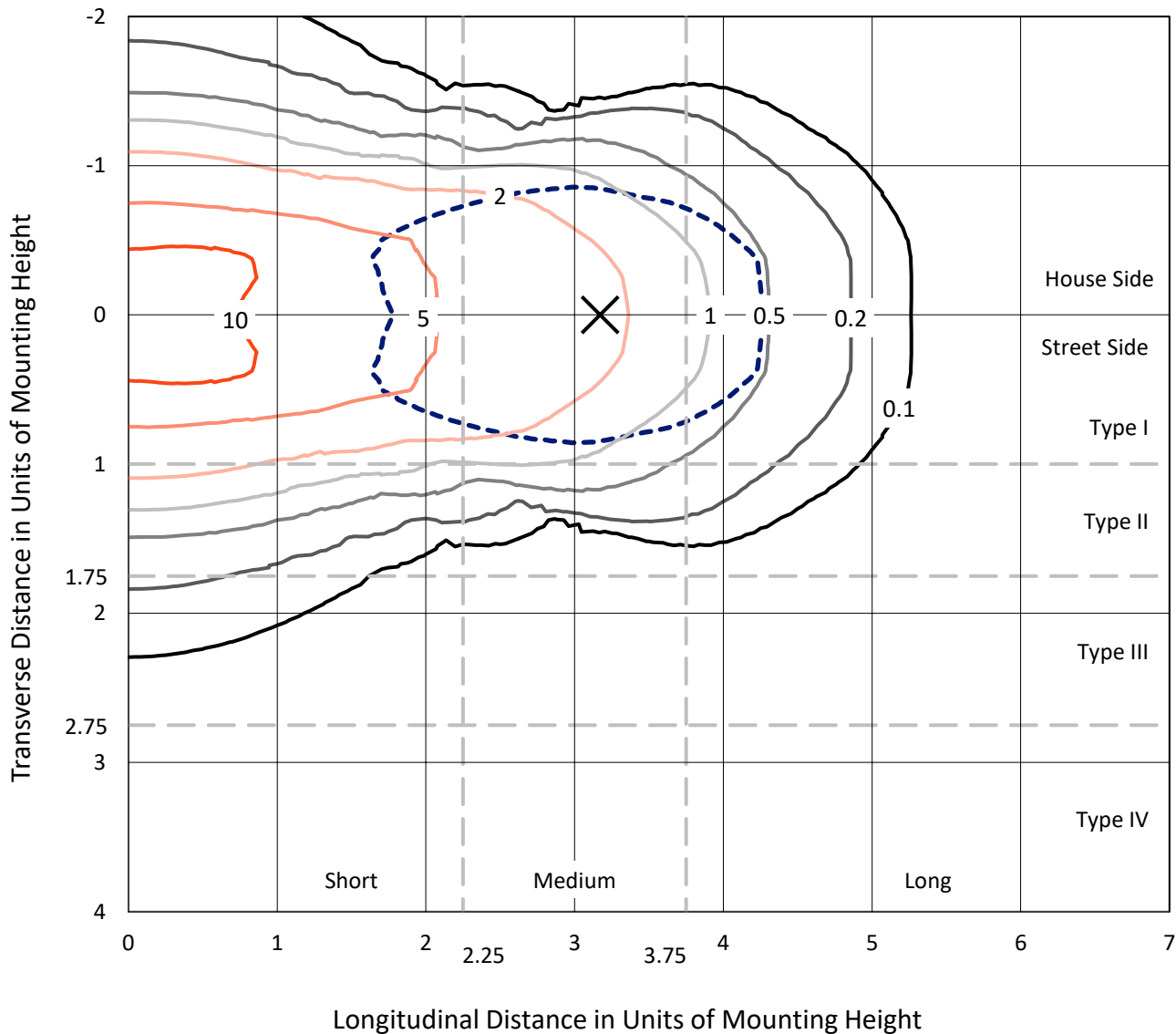
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

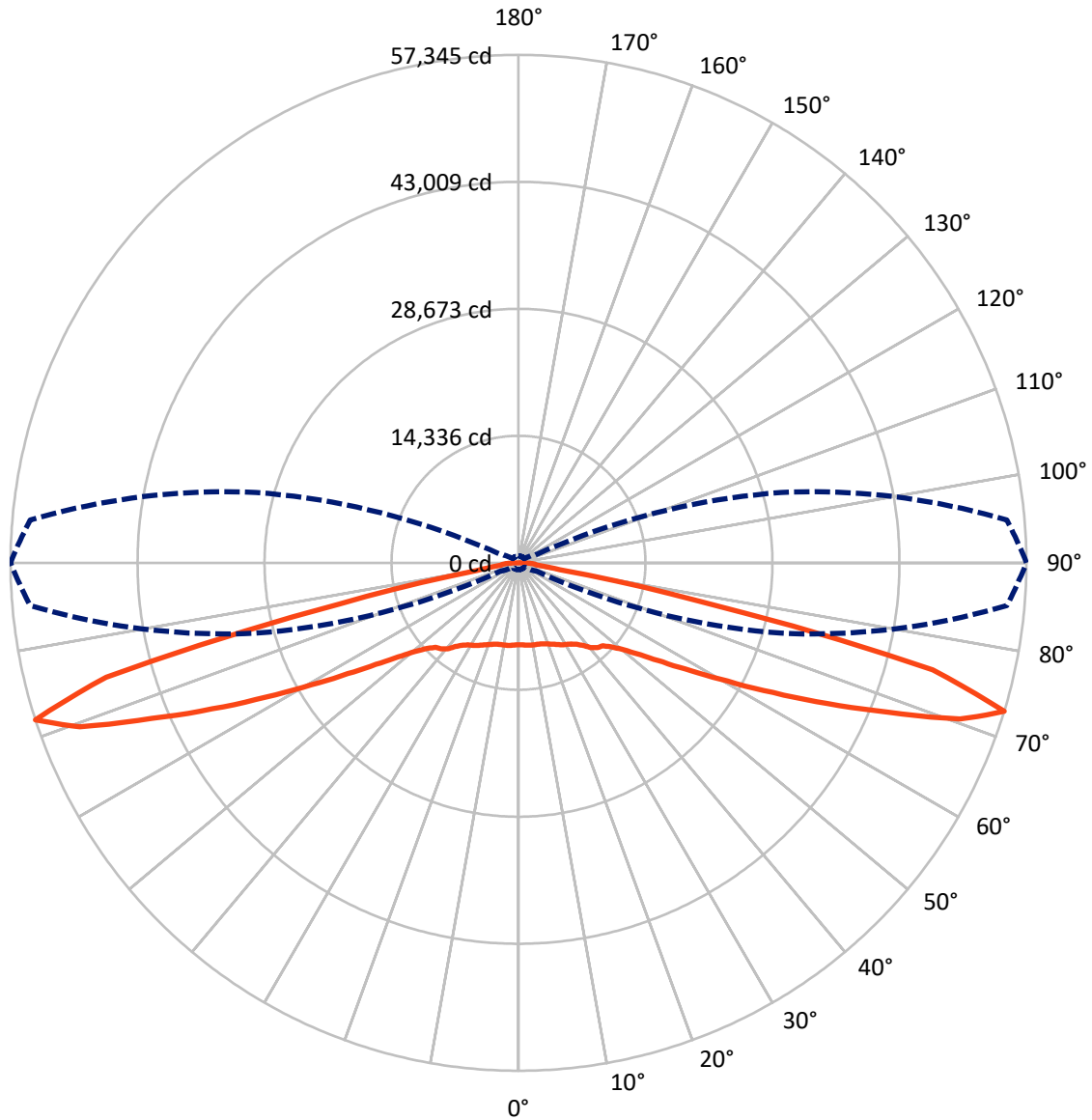
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 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	24801.5	0.0	24801.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24801.5	0.0	24801.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49603.0	0.0	49603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	898.7	1.8
10°-20°	2747.9	5.5
20°-30°	4582.0	9.2
30°-40°	6301.6	12.7
40°-50°	7696.0	15.5
50°-60°	8901.2	17.9
60°-70°	10613.2	21.4
70°-80°	7407.3	14.9
80°-90°	455.0	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°	49603.0	100.0
0°-180°	49603.0	100.0

Coefficient of Utilization

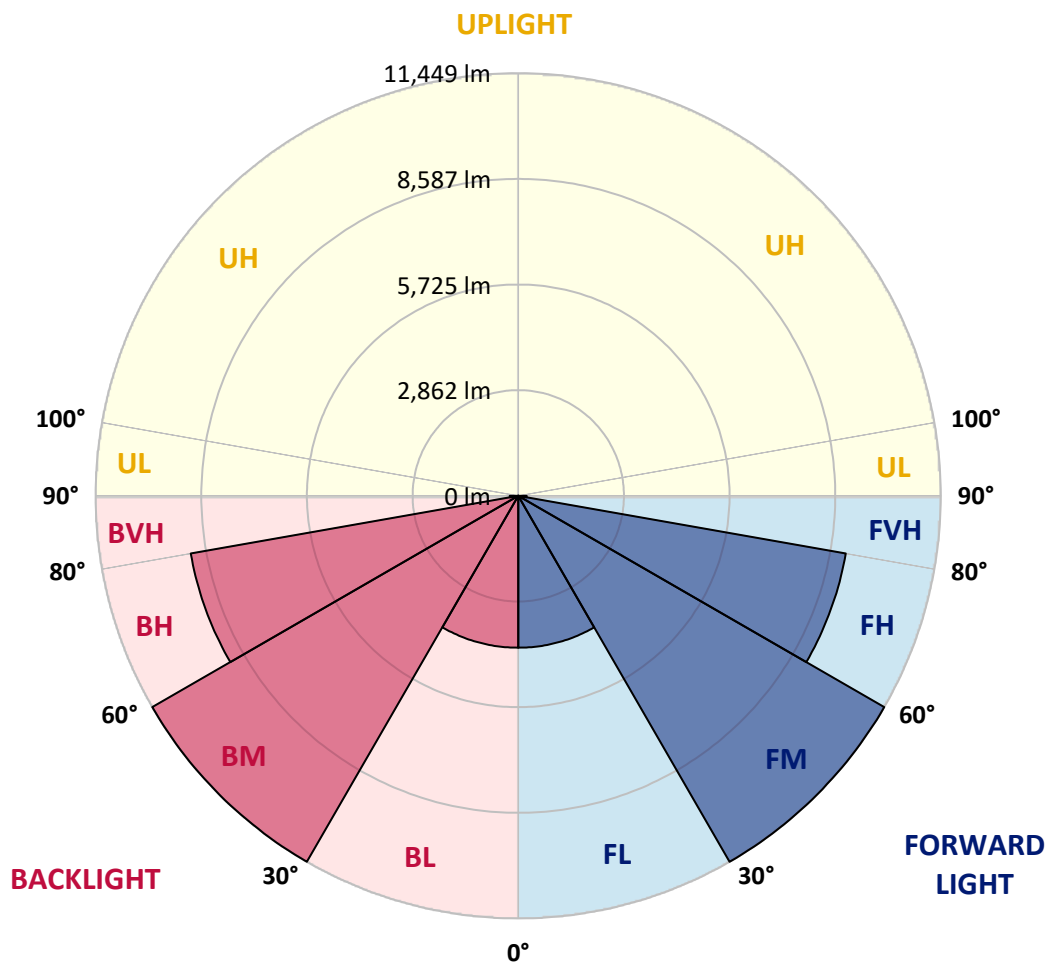


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4114.3	8.3			
FM (30°-60°)	11449.4	23.1			
FH (60°-80°)	9010.3	18.2			G4/12000
FVH (80°-90°)	227.5	0.5			G3/500
BL (0°-30°)	4114.3	8.3	B4/5000		
BM (30°-60°)	11449.4	23.1	B5		
BH (60°-80°)	9010.3	18.2	B5		G5
BVH (80°-90°)	227.5	0.5			G3/500
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°	9268.8	9268.8	9268.8	9268.8	9268.8	9268.8	9268.8	9268.8	9268.8	9268.8
2.5°	9276.8	9287.3	9287.3	9279.4	9297.8	9282.0	9282.0	9274.1	9282.0	9274.1
5°	9324.2	9337.4	9342.7	9340.0	9363.7	9350.6	9350.6	9340.0	9342.7	9334.7
7.5°	9413.8	9432.3	9442.8	9456.0	9490.3	9474.5	9463.9	9432.3	9419.1	9398.0
10°	9442.8	9463.9	9498.2	9566.7	9645.8	9648.5	9616.8	9537.7	9477.1	9429.7
12.5°	9353.2	9382.2	9453.4	9593.1	9769.7	9840.9	9790.8	9659.0	9540.4	9456.0
15°	9239.8	9271.5	9379.6	9590.5	9851.4	10017.5	10012.2	9838.3	9648.5	9516.6
17.5°	9063.2	9094.9	9250.4	9545.6	9914.7	10188.9	10262.7	10083.4	9817.2	9640.5
20°	8744.2	8773.2	8989.4	9403.3	9935.8	10370.8	10563.2	10405.0	10072.9	9833.0
22.5°	8330.4	8375.2	8628.2	9158.1	9885.7	10560.6	10905.9	10797.8	10370.8	10038.6
25°	7887.5	7934.9	8230.2	8857.6	9756.5	10697.7	11311.9	11243.4	10708.2	10294.3
27.5°	7505.2	7555.3	7876.9	8559.7	9556.2	10750.4	11712.6	11746.9	11116.8	10576.4
30°	7204.7	7252.2	7594.9	8319.8	9297.8	10697.7	12063.2	12300.5	11533.3	10821.6
32.5°	6875.2	6935.8	7297.0	8027.2	8992.0	10571.1	12369.0	12898.9	12015.8	11085.2
35°	6458.7	6514.0	6893.6	7626.5	8591.3	10368.1	12624.7	13563.2	12706.4	11485.9
37.5°	5952.5	6005.2	6382.2	7125.6	8193.3	10083.4	12819.8	14311.9	13528.9	12063.2
40°	5443.7	5493.8	5847.1	6566.7	7716.1	9719.6	12888.3	15044.7	14472.7	12856.7
42.5°	4977.1	5021.9	5346.2	6015.8	7181.0	9255.7	12798.7	15682.7	15318.9	13410.3
45°	4547.4	4587.0	4874.3	5499.1	6624.7	8691.5	12529.8	16368.1	16325.9	13805.7
47.5°	4057.1	4096.6	4394.5	4998.2	6068.5	8029.8	12073.8	17043.0	17725.7	14702.0
50°	3458.7	3493.0	3798.7	4420.9	5491.2	7326.0	11441.1	17572.8	19492.0	16059.7
52.5°	2749.5	2786.5	3084.3	3706.5	4805.8	6569.4	10608.0	17918.2	21532.4	18042.1
55°	2045.7	2072.0	2330.4	2889.3	3956.9	5707.4	9564.1	18015.7	23847.0	20752.1
57.5°	1484.2	1500.0	1666.1	2082.6	3000.0	4629.1	8296.1	17762.6	26601.8	24226.6
60°	1202.1	1207.4	1257.5	1442.0	2085.2	3411.2	6764.5	16892.7	29591.2	28705.5
62.5°	1091.4	1091.4	1104.6	1154.7	1410.4	2251.3	4911.2	15089.6	32796.8	34365.4
65°	1014.9	1014.9	1020.2	1043.9	1112.5	1434.1	3100.2	12152.8	35498.9	40995.4
67.5°	946.4	949.0	946.4	954.3	993.8	1059.7	1797.9	8393.6	36954.1	47865.3
70°	875.2	880.5	867.3	867.3	898.9	901.6	1125.7	4602.8	35746.7	53622.7
72.5°	790.9	798.8	777.7	772.4	796.1	785.6	846.2	2209.1	30690.5	55341.5
75°	717.0	727.6	680.1	667.0	667.0	659.0	688.0	1133.6	19919.1	45144.8
77.5°	651.1	672.2	595.8	553.6	543.1	519.3	561.5	693.3	8712.6	21195.0
80°	537.8	566.8	490.3	440.2	421.8	395.4	442.9	485.1	2591.4	4921.8
82.5°	400.7	413.9	348.0	313.7	297.9	279.4	332.2	337.4	843.6	1742.5
85°	255.7	261.0	213.5	184.5	176.6	168.7	210.9	184.5	321.6	1281.2
87.5°	89.6	102.8	81.7	73.8	79.1	65.9	97.5	55.4	89.6	904.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9268.8
9274.1
9334.7
9398.0
9421.7
9442.8
9495.6
9611.5
9788.2
9978.0
10210.0
10486.8
10692.4
10921.7
11304.0
11820.7
12598.4
13078.1
13357.6
14185.3
15411.2
17243.3
19753.0
22969.1
27121.1
32243.2
38311.7
44968.1
52860.9
57345.0
48287.1
20754.7
4713.5
1969.2
1861.2
1120.4
0.0

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