

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: P944403

Luminaire Tested: **GLAN-SB9B-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45592 lumens
Efficiency: N/A
Efficacy: 138.4 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): 329.5
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



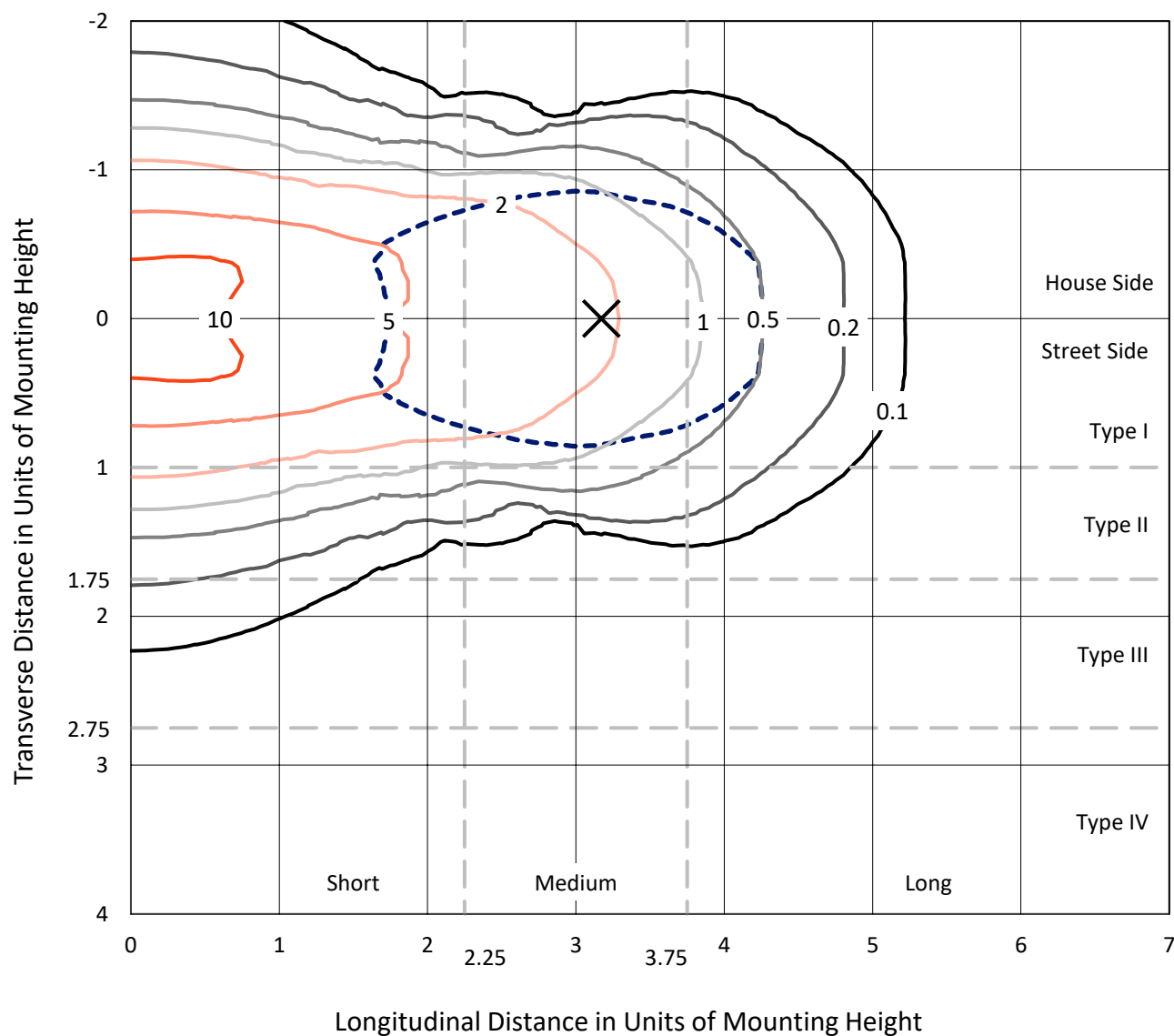
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

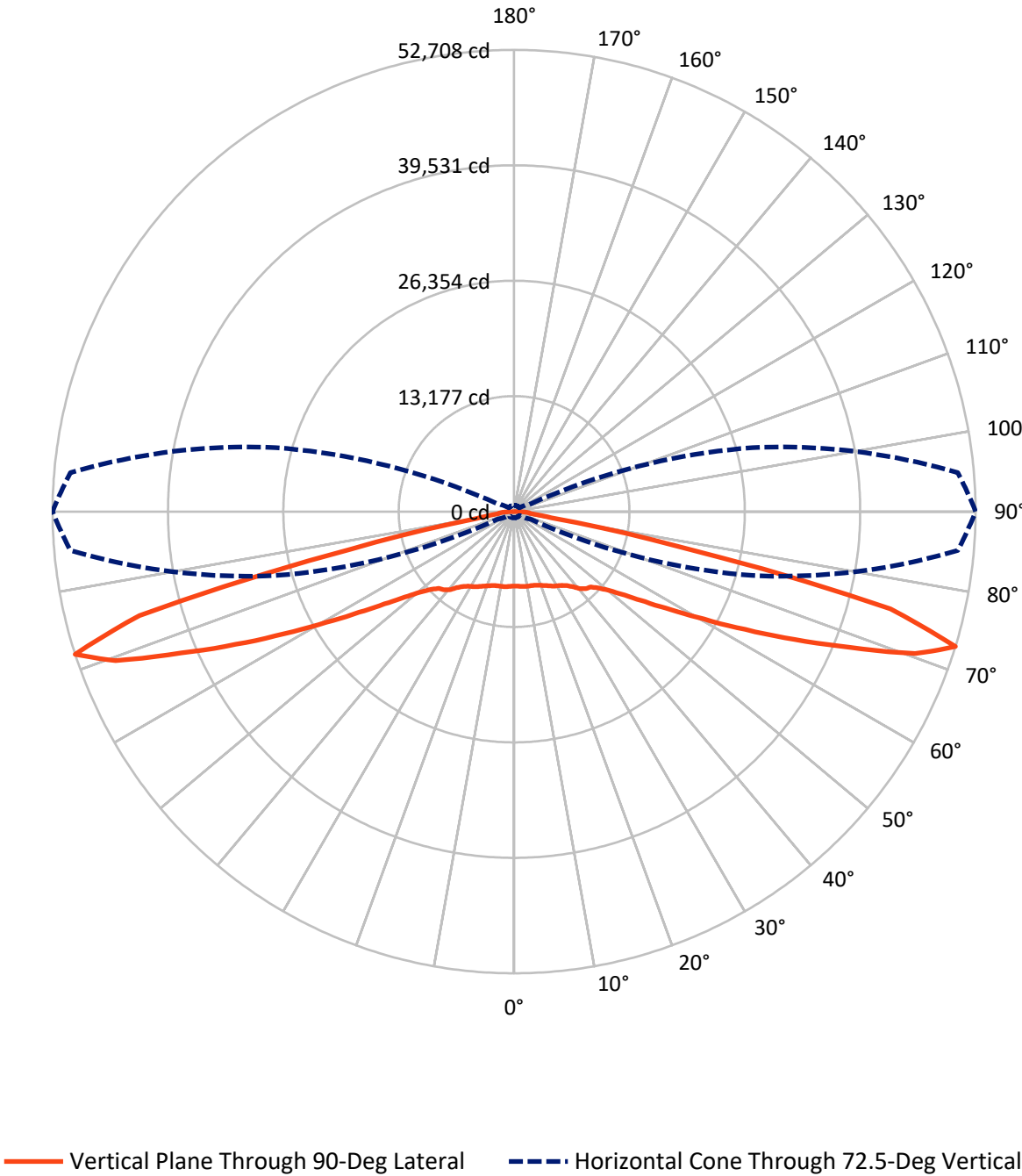
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22796.0	0.0	22796.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22796.0	0.0	22796.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45592.0	0.0	45592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.1	1.8
10°-20°	2525.7	5.5
20°-30°	4211.5	9.2
30°-40°	5792.0	12.7
40°-50°	7073.7	15.5
50°-60°	8181.5	17.9
60°-70°	9755.0	21.4
70°-80°	6808.4	14.9
80°-90°	418.2	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°	45592.0	100.0
0°-180°	45592.0	100.0

Coefficient of Utilization



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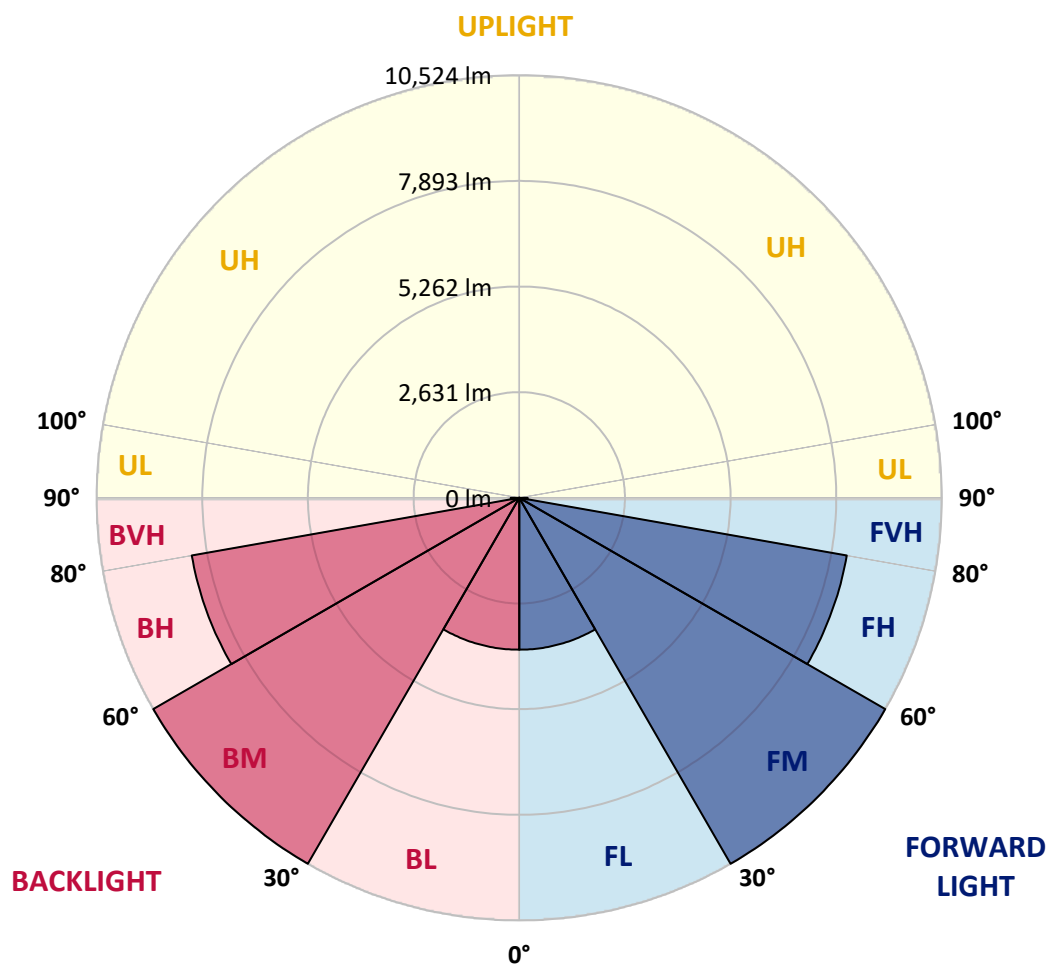
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3781.6	8.3			
FM	(30°-60°)	10523.6	23.1			
FH	(60°-80°)	8281.7	18.2			G4/12000
FVH	(80°-90°)	209.1	0.5			G2/225
BL	(0°-30°)	3781.6	8.3	B4/5000		
BM	(30°-60°)	10523.6	23.1	B5		
BH	(60°-80°)	8281.7	18.2	B5		G5
BVH	(80°-90°)	209.1	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°	8519.3	8519.3	8519.3	8519.3	8519.3	8519.3	8519.3	8519.3	8519.3	8519.3
2.5°	8526.6	8536.3	8536.3	8529.0	8546.0	8531.5	8531.5	8524.2	8531.5	8524.2
5°	8570.2	8582.3	8587.2	8584.8	8606.6	8594.5	8594.5	8584.8	8587.2	8579.9
7.5°	8652.6	8669.6	8679.3	8691.4	8722.9	8708.3	8698.7	8669.6	8657.5	8638.1
10°	8679.3	8698.7	8730.1	8793.1	8865.8	8868.3	8839.2	8766.5	8710.8	8667.2
12.5°	8596.9	8623.5	8689.0	8817.4	8979.7	9045.1	8999.1	8878.0	8768.9	8691.4
15°	8492.7	8521.8	8621.1	8815.0	9054.8	9207.5	9202.6	9042.7	8868.3	8747.1
17.5°	8330.4	8359.4	8502.4	8773.8	9113.0	9365.0	9432.8	9268.1	9023.3	8861.0
20°	8037.2	8063.8	8262.5	8642.9	9132.4	9532.2	9709.1	9563.7	9258.4	9037.9
22.5°	7656.8	7697.9	7930.6	8417.6	9086.3	9706.6	10024.0	9924.7	9532.2	9226.9
25°	7249.7	7293.3	7564.7	8141.4	8967.6	9832.6	10397.2	10334.2	9842.3	9461.9
27.5°	6898.3	6944.4	7240.0	7867.6	8783.5	9881.1	10765.5	10797.0	10217.9	9721.2
30°	6622.1	6665.7	6980.7	7647.1	8546.0	9832.6	11087.8	11305.8	10600.7	9946.5
32.5°	6319.2	6375.0	6706.9	7378.1	8264.9	9716.3	11368.8	11855.8	11044.1	10188.8
35°	5936.4	5987.3	6336.2	7009.8	7896.6	9529.7	11603.9	12466.4	11679.0	10557.1
37.5°	5471.2	5519.6	5866.1	6549.4	7530.8	9268.1	11783.2	13154.6	12435.0	11087.8
40°	5003.5	5049.6	5374.3	6035.7	7092.2	8933.7	11846.2	13828.2	13302.4	11817.1
42.5°	4574.7	4615.9	4913.9	5529.3	6600.3	8507.2	11763.8	14414.6	14080.2	12325.9
45°	4179.7	4216.1	4480.2	5054.4	6089.1	7988.7	11516.6	15044.5	15005.8	12689.4
47.5°	3729.0	3765.4	4039.2	4594.1	5577.8	7380.5	11097.4	15664.8	16292.4	13513.2
50°	3179.0	3210.5	3491.6	4063.4	5047.2	6733.6	10515.9	16151.9	17915.8	14761.1
52.5°	2527.2	2561.1	2834.9	3406.8	4417.2	6038.2	9750.2	16469.3	19791.2	16583.2
55°	1880.3	1904.5	2142.0	2655.6	3637.0	5245.8	8790.7	16558.9	21918.7	19074.0
57.5°	1364.2	1378.7	1531.4	1914.2	2757.4	4254.8	7625.3	16326.3	24450.7	22267.6
60°	1104.9	1109.7	1155.8	1325.4	1916.6	3135.4	6217.5	15526.7	27198.4	26384.3
62.5°	1003.1	1003.1	1015.2	1061.3	1296.3	2069.3	4514.1	13869.4	30144.8	31586.5
65°	932.9	932.9	937.7	959.5	1022.5	1318.1	2849.5	11170.1	32628.4	37680.4
67.5°	869.9	872.3	869.9	877.1	913.5	974.1	1652.5	7714.9	33965.9	43994.8
70°	804.4	809.3	797.2	797.2	826.3	828.7	1034.6	4230.6	32856.2	49286.7
72.5°	726.9	734.2	714.8	709.9	731.8	722.1	777.8	2030.5	28208.8	50866.5
75°	659.1	668.8	625.1	613.0	613.0	605.8	632.4	1041.9	18308.4	41494.3
77.5°	598.5	617.9	547.6	508.8	499.1	477.3	516.1	637.3	8008.1	19481.1
80°	494.3	520.9	450.7	404.6	387.7	363.5	407.1	445.8	2381.8	4523.8
82.5°	368.3	380.4	319.8	288.3	273.8	256.8	305.3	310.1	775.4	1601.6
85°	235.0	239.9	196.3	169.6	162.3	155.1	193.8	169.6	295.6	1177.6
87.5°	82.4	94.5	75.1	67.8	72.7	60.6	89.7	50.9	82.4	831.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8519.3
8524.2
8579.9
8638.1
8659.9
8679.3
8727.7
8834.3
8996.7
9171.1
9384.4
9638.8
9827.8
10038.6
10389.9
10864.8
11579.6
12020.6
12277.5
13038.3
14165.0
15849.0
18155.7
21111.8
24928.1
29636.0
35213.8
41331.9
48586.4
52708.0
44382.5
19076.5
4332.4
1810.0
1710.7
1029.8
0.0

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