

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: P851401

Luminaire Tested: **GLAN-SB9B-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46137 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

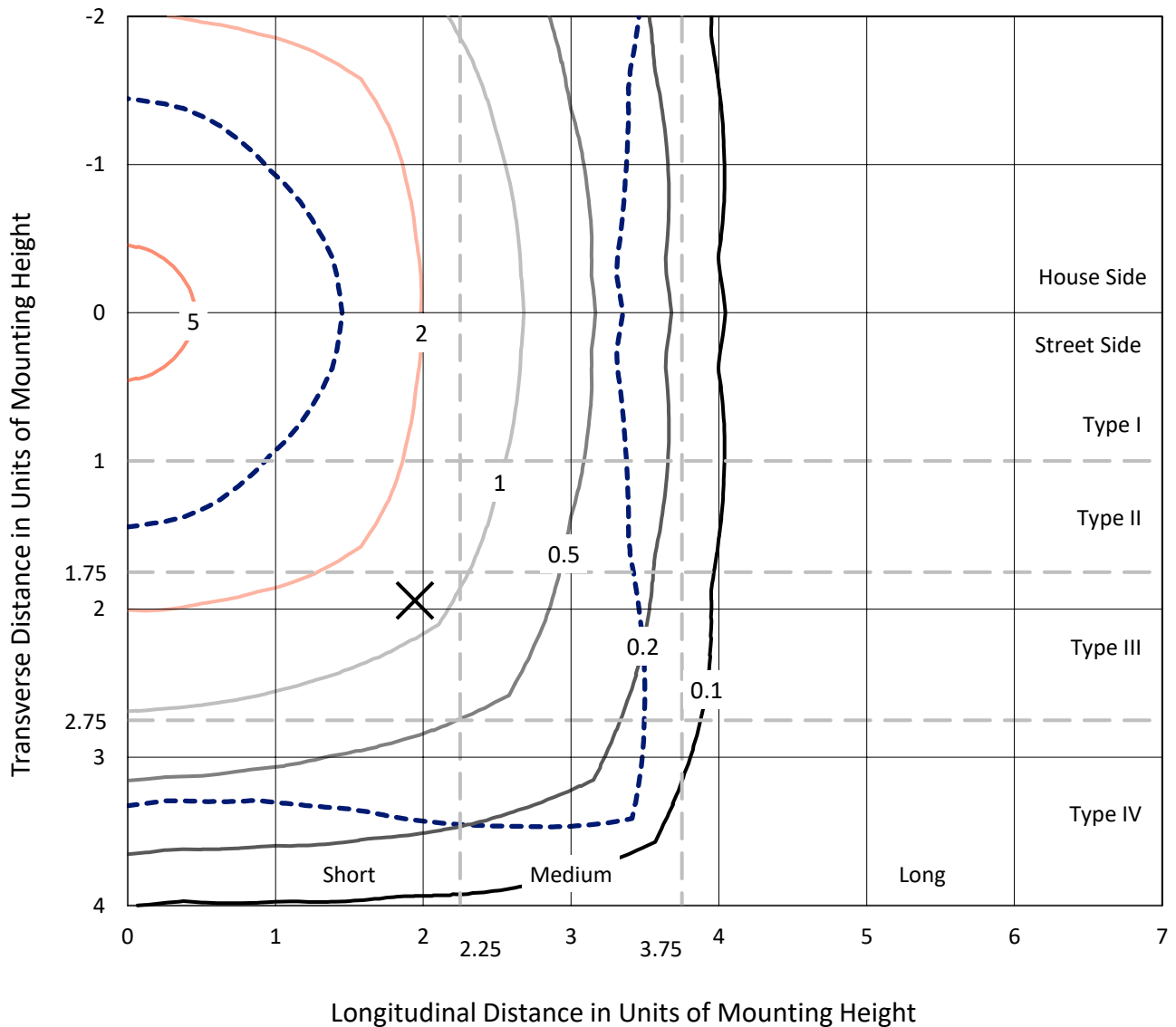
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

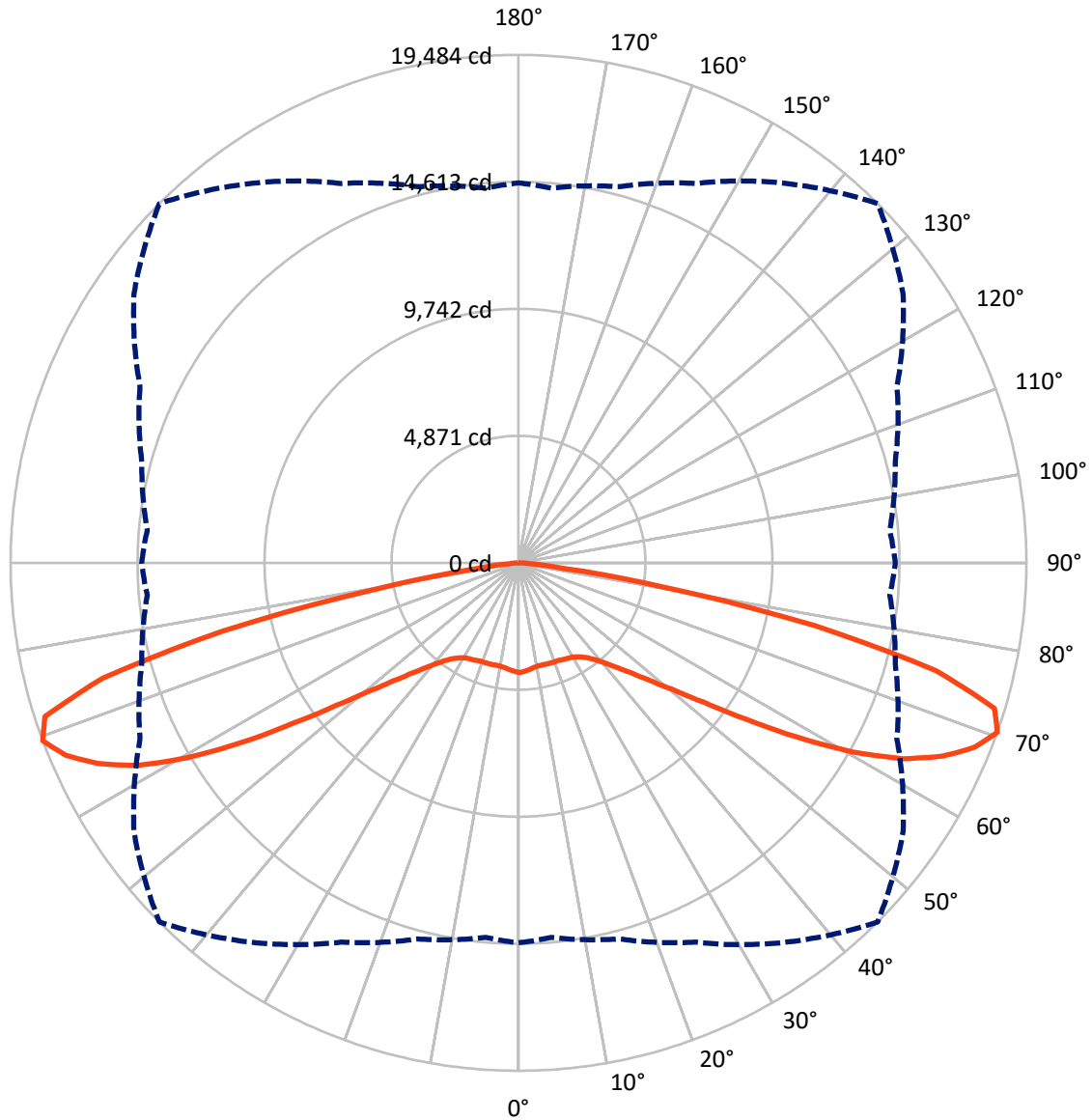
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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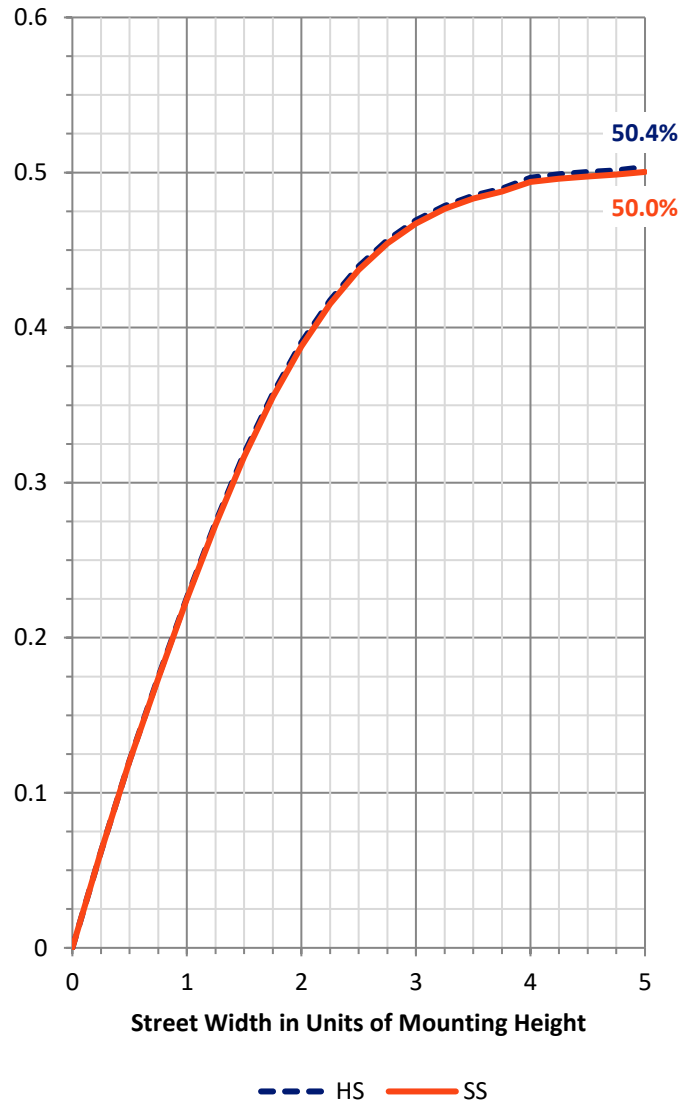
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23068.5	0.0	23068.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23068.5	0.0	23068.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46137.0	0.0	46137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.5	0.8
10°-20°	1149.5	2.5
20°-30°	1913.0	4.1
30°-40°	2893.0	6.3
40°-50°	4807.6	10.4
50°-60°	9071.7	19.7
60°-70°	15317.9	33.2
70°-80°	10065.4	21.8
80°-90°	527.3	1.1
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°	46137.0	100.0
0°-180°	46137.0	100.0

Coefficient of Utilization



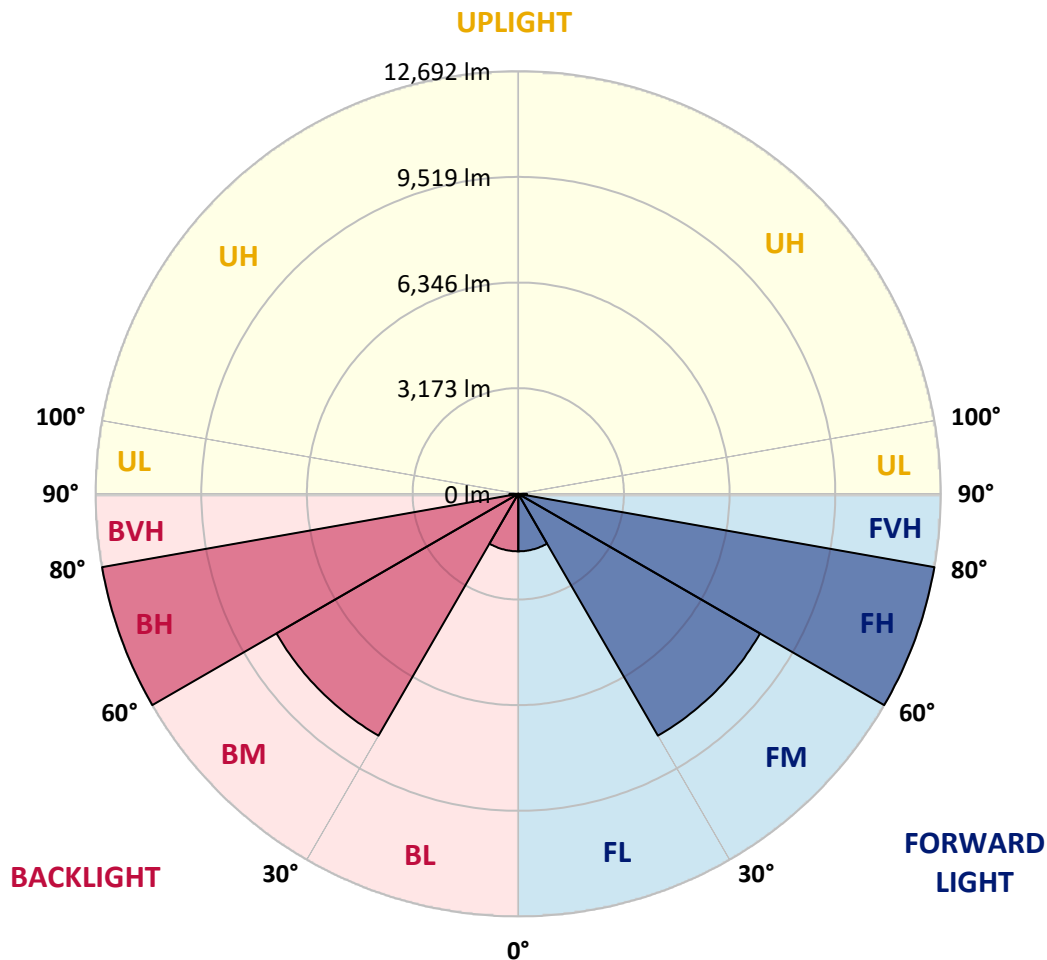
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1727.0	3.7			
FM (30°-60°)	8386.1	18.2			
FH (60°-80°)	12691.7	27.5			G5
FVH (80°-90°)	263.7	0.6			G3/500
BL (0°-30°)	1727.0	3.7	B3/2500		
BM (30°-60°)	8386.1	18.2	B4/8500		
BH (60°-80°)	12691.7	27.5	B5		G5
BVH (80°-90°)	263.7	0.6			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4208.6	4208.6	4208.6	4208.6	4208.6	4208.6	4208.6	4208.6	4208.6	4208.6
2.5°	4182.2	4194.2	4189.4	4179.8	4179.8	4172.7	4179.8	4184.6	4191.8	4196.6
5°	4127.1	4136.7	4134.3	4127.1	4129.5	4122.3	4127.1	4134.3	4139.1	4141.5
7.5°	4079.1	4088.7	4083.9	4071.9	4071.9	4064.7	4067.1	4074.3	4081.5	4083.9
10°	4067.1	4076.7	4062.3	4043.2	4036.0	4026.4	4028.8	4036.0	4050.4	4057.5
12.5°	4071.9	4079.1	4064.7	4036.0	4028.8	4019.2	4019.2	4026.4	4045.6	4055.1
15°	4086.3	4093.5	4071.9	4040.8	4033.6	4026.4	4024.0	4033.6	4055.1	4071.9
17.5°	4112.7	4119.9	4086.3	4043.2	4033.6	4036.0	4033.6	4040.8	4074.3	4105.5
20°	4136.7	4141.5	4095.9	4043.2	4033.6	4036.0	4033.6	4048.0	4091.1	4134.3
22.5°	4143.9	4148.7	4105.5	4059.9	4052.7	4055.1	4052.7	4067.1	4107.9	4151.1
25°	4146.3	4153.5	4119.9	4083.9	4095.9	4100.7	4095.9	4098.3	4129.5	4167.9
27.5°	4182.2	4191.8	4160.7	4129.5	4136.7	4134.3	4141.5	4148.7	4172.7	4211.0
30°	4256.6	4263.8	4237.4	4206.2	4201.4	4184.6	4206.2	4230.2	4256.6	4290.2
32.5°	4378.9	4393.3	4359.7	4326.1	4304.5	4295.0	4311.7	4352.5	4388.5	4424.5
35°	4582.7	4592.3	4561.1	4498.8	4460.4	4460.4	4474.8	4527.6	4585.1	4630.7
37.5°	4870.5	4882.5	4827.3	4753.0	4695.4	4695.4	4714.6	4769.8	4856.1	4920.9
40°	5220.6	5237.4	5167.9	5091.1	5036.0	5026.4	5050.3	5112.7	5194.2	5275.8
42.5°	5642.7	5661.9	5570.7	5503.6	5460.4	5460.4	5472.4	5530.0	5604.3	5705.0
45°	6182.2	6215.8	6091.1	6024.0	5983.2	5992.8	6000.0	6050.3	6117.5	6232.6
47.5°	6824.9	6858.5	6726.6	6657.1	6649.9	6695.4	6666.7	6702.6	6738.6	6870.5
50°	7553.9	7611.5	7520.4	7515.6	7530.0	7613.9	7546.7	7565.9	7525.2	7609.1
52.5°	8446.0	8530.0	8513.2	8541.9	8702.6	8875.3	8721.8	8654.7	8501.2	8527.6
55°	9527.6	9654.7	9678.6	9851.3	10215.8	10568.3	10242.2	9971.2	9645.1	9585.1
57.5°	10757.8	10858.5	10973.6	11326.1	12007.2	12633.1	12007.2	11407.6	10894.5	10772.2
60°	12081.5	12206.2	12316.5	12836.9	13848.9	14729.0	13829.7	12877.7	12199.0	12033.5
62.5°	13503.6	13664.2	13741.0	14318.9	15498.8	16549.1	15515.6	14362.1	13609.1	13431.6
65°	14868.1	15000.0	15086.3	15702.6	16829.7	17882.5	16906.4	15769.7	14995.2	14762.6
67.5°	15503.6	15575.5	15786.5	16484.4	17673.8	18875.3	17875.3	16558.7	15693.0	15285.3
70°	14573.1	14426.8	14935.2	16052.7	17774.5	19484.4	18004.8	16019.1	14959.2	14297.3
72.5°	11261.4	11009.6	11892.1	13803.3	16623.5	19095.9	16738.6	13911.2	12441.2	11098.3
75°	6127.1	5841.7	7059.9	9477.2	13256.6	16551.5	13561.1	9748.2	7860.9	6081.5
77.5°	1729.0	1621.1	2604.3	4585.1	7973.6	11621.1	8280.6	4685.8	3088.7	1832.1
80°	530.0	513.2	695.4	1381.3	3386.1	5565.9	3254.2	1398.1	884.9	558.8
82.5°	314.1	287.8	345.3	503.6	863.3	1748.2	839.3	525.2	422.1	283.0
85°	179.9	167.9	203.8	244.6	290.2	371.7	242.2	249.4	225.4	151.1
87.5°	74.3	67.1	79.1	76.7	67.1	86.3	64.7	76.7	91.1	60.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4208.6
4194.2
4141.5
4083.9
4057.5
4057.5
4074.3
4105.5
4136.7
4151.1
4165.5
4201.4
4283.0
4410.1
4613.9
4896.9
5249.4
5697.8
6227.8
6832.1
7558.7
8438.8
9491.6
10685.8
11889.7
13287.7
14647.4
15290.1
14455.6
11431.6
6477.2
2036.0
589.9
307.0
158.3
55.2
0.0

OF REPORT)