

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: P848864

Luminaire Tested: **GLAN-SB5C-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848864
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-SB5C-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 32134 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

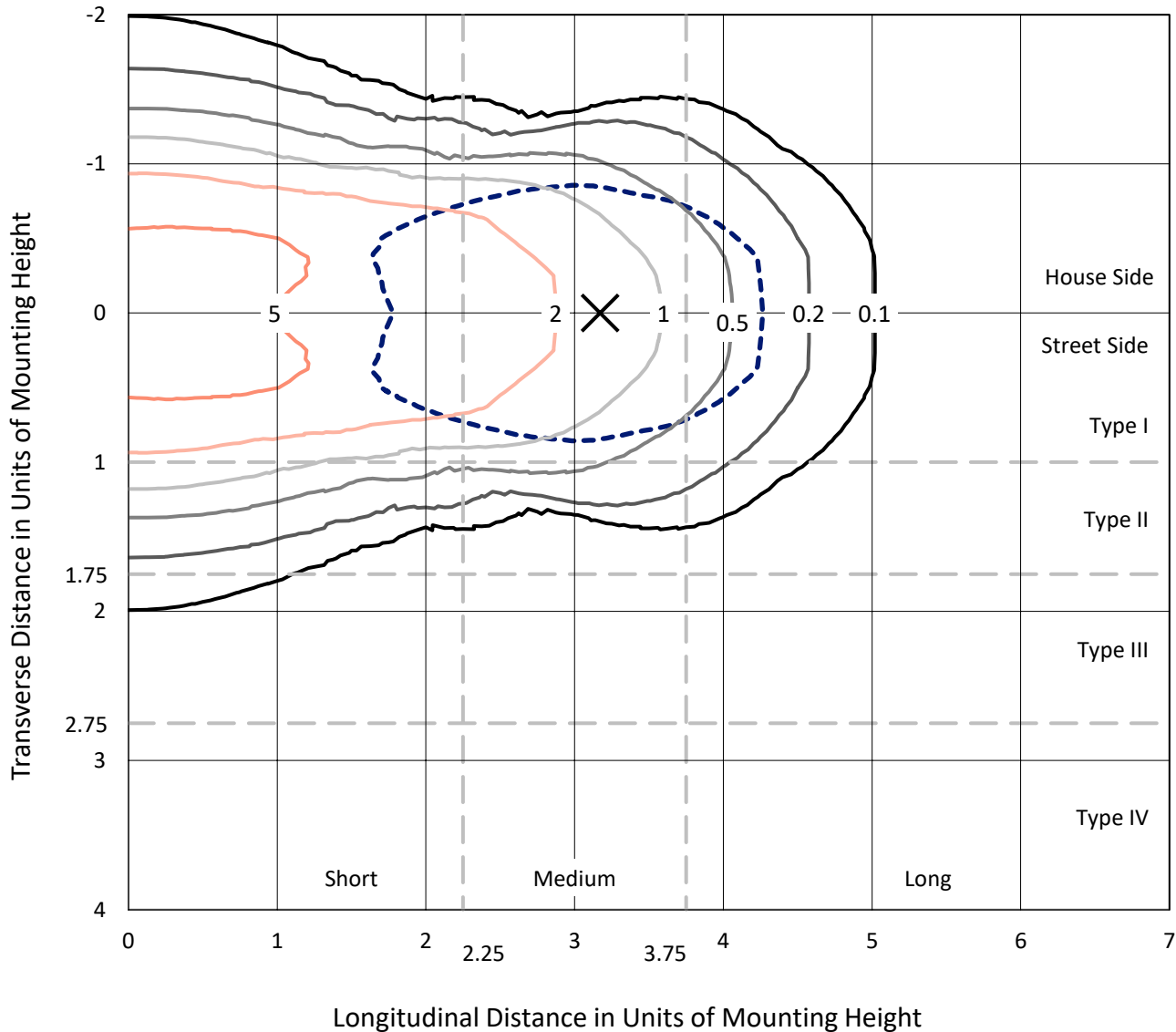
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

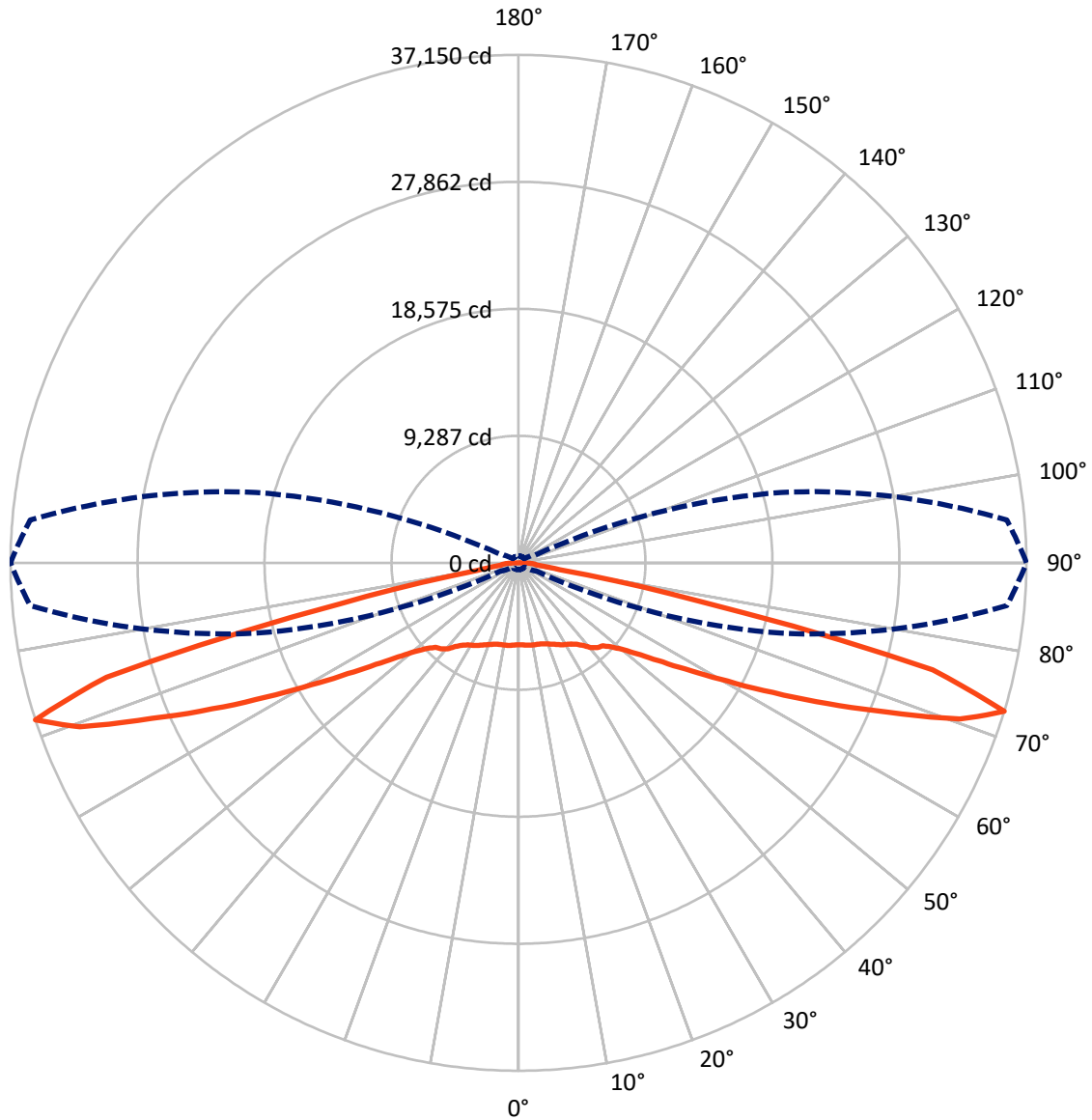
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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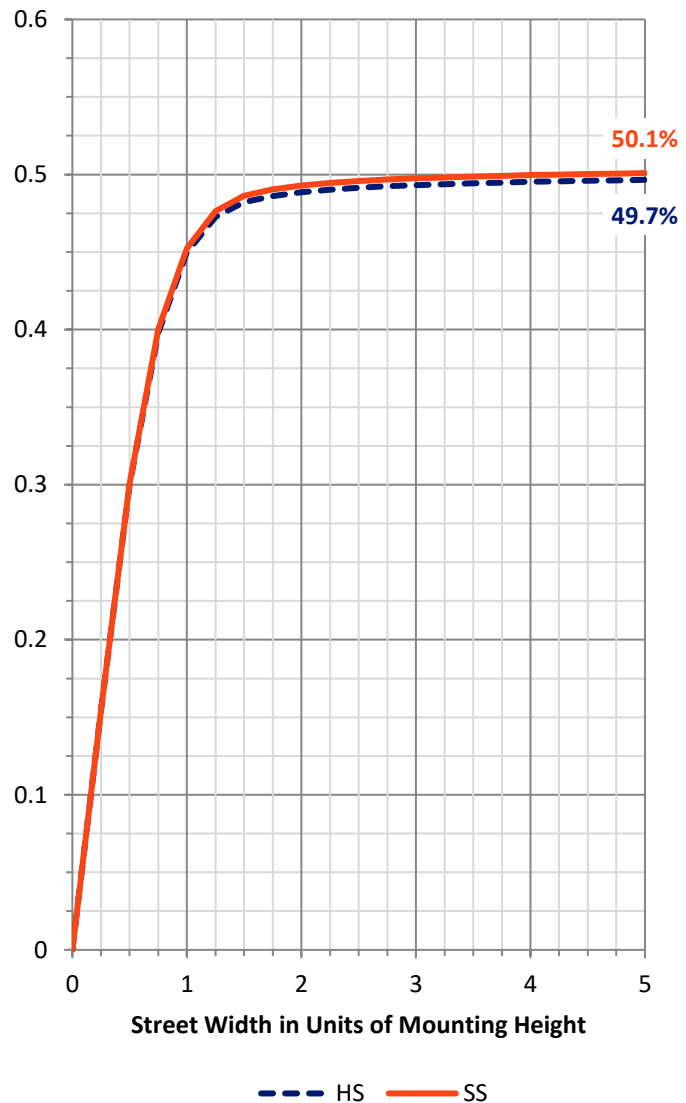
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16067.0	0.0	16067.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16067.0	0.0	16067.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32134.0	0.0	32134.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.2	1.8
10°-20°	1780.2	5.5
20°-30°	2968.3	9.2
30°-40°	4082.3	12.7
40°-50°	4985.6	15.5
50°-60°	5766.4	17.9
60°-70°	6875.5	21.4
70°-80°	4798.6	14.9
80°-90°	294.7	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°	32134.0	100.0
0°-180°	32134.0	100.0

Coefficient of Utilization



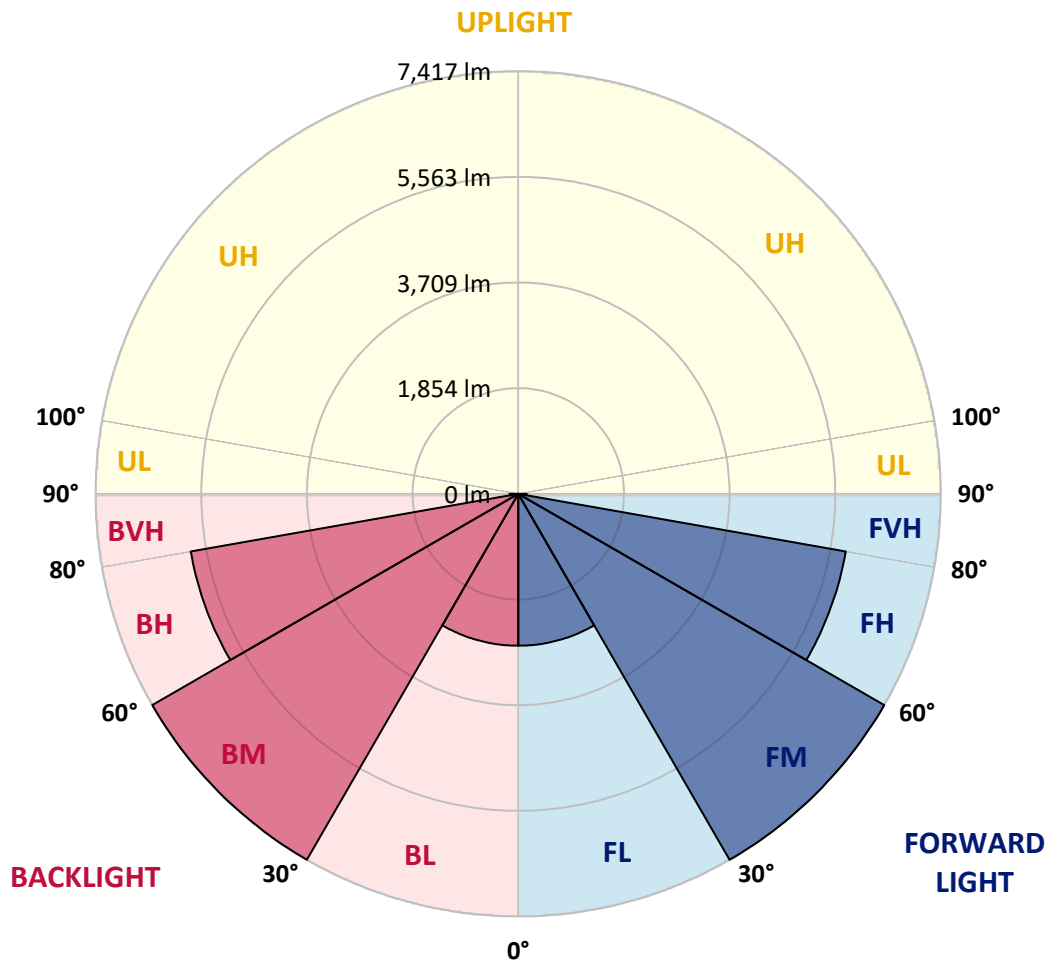
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2665.4	8.3			
FM (30°-60°)	7417.2	23.1			
FH (60°-80°)	5837.1	18.2			G3/7500
FVH (80°-90°)	147.4	0.5			G2/225
BL (0°-30°)	2665.4	8.3	B4/5000		
BM (30°-60°)	7417.2	23.1	B4/8500		
BH (60°-80°)	5837.1	18.2	B5		G5
BVH (80°-90°)	147.4	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°	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6
2.5°	6009.7	6016.5	6016.5	6011.4	6023.4	6013.1	6013.1	6008.0	6013.1	6008.0
5°	6040.4	6049.0	6052.4	6050.7	6066.1	6057.5	6057.5	6050.7	6052.4	6047.3
7.5°	6098.5	6110.5	6117.3	6125.8	6148.0	6137.8	6131.0	6110.5	6101.9	6088.3
10°	6117.3	6131.0	6153.2	6197.6	6248.8	6250.5	6230.0	6178.8	6139.5	6108.8
12.5°	6059.2	6078.0	6124.1	6214.6	6329.1	6375.2	6342.7	6257.3	6180.5	6125.8
15°	5985.8	6006.3	6076.3	6212.9	6382.0	6489.6	6486.2	6373.5	6250.5	6165.1
17.5°	5871.4	5891.9	5992.6	6183.9	6423.0	6600.6	6648.4	6532.3	6359.8	6245.4
20°	5664.7	5683.5	5823.6	6091.7	6436.6	6718.4	6843.1	6740.6	6525.5	6370.0
22.5°	5396.6	5425.6	5589.6	5932.9	6404.2	6841.4	7065.1	6995.1	6718.4	6503.3
25°	5109.7	5140.4	5331.7	5738.2	6320.5	6930.2	7328.1	7283.7	6937.0	6668.9
27.5°	4862.1	4894.5	5102.9	5545.2	6190.7	6964.4	7587.7	7609.9	7201.7	6851.6
30°	4667.4	4698.1	4920.1	5389.8	6023.4	6930.2	7814.8	7968.5	7471.6	7010.5
32.5°	4453.9	4493.2	4727.2	5200.2	5825.3	6848.2	8012.9	8356.2	7784.1	7181.2
35°	4184.1	4219.9	4465.9	4940.6	5565.7	6716.7	8178.6	8786.6	8231.5	7440.8
37.5°	3856.2	3890.3	4134.6	4616.1	5307.8	6532.3	8305.0	9271.6	8764.4	7814.8
40°	3526.6	3559.0	3787.9	4254.1	4998.7	6296.6	8349.4	9746.3	9375.7	8328.9
42.5°	3224.3	3253.3	3463.4	3897.2	4652.0	5996.0	8291.3	10159.6	9923.9	8687.5
45°	2945.9	2971.5	3157.7	3562.4	4291.7	5630.6	8117.1	10603.6	10576.3	8943.7
47.5°	2628.3	2653.9	2846.9	3238.0	3931.3	5201.9	7821.7	11040.8	11483.2	9524.3
50°	2240.6	2262.8	2460.9	2864.0	3557.3	4745.9	7411.8	11384.1	12627.4	10403.8
52.5°	1781.2	1805.1	1998.1	2401.1	3113.3	4255.8	6872.1	11607.8	13949.2	11688.1
55°	1325.2	1342.3	1509.7	1871.7	2563.4	3697.4	6195.8	11671.0	15448.6	13443.7
57.5°	961.5	971.7	1079.3	1349.2	1943.5	2998.9	5374.4	11507.1	17233.3	15694.6
60°	778.8	782.2	814.6	934.2	1350.9	2209.9	4382.2	10943.5	19169.9	18596.1
62.5°	707.0	707.0	715.6	748.0	913.7	1458.4	3181.6	9775.4	21246.6	22262.7
65°	657.5	657.5	660.9	676.3	720.7	929.0	2008.4	7872.9	22997.1	26557.8
67.5°	613.1	614.8	613.1	618.2	643.8	686.5	1164.7	5437.6	23939.8	31008.3
70°	567.0	570.4	561.9	561.9	582.4	584.1	729.2	2981.8	23157.6	34738.1
72.5°	512.3	517.5	503.8	500.4	515.8	508.9	548.2	1431.1	19882.0	35851.6
75°	464.5	471.3	440.6	432.1	432.1	426.9	445.7	734.3	12904.0	29245.8
77.5°	421.8	435.5	386.0	358.6	351.8	336.4	363.8	449.1	5644.2	13730.6
80°	348.4	367.2	317.6	285.2	273.2	256.2	286.9	314.2	1678.8	3188.4
82.5°	259.6	268.1	225.4	203.2	193.0	181.0	215.2	218.6	546.5	1128.8
85°	165.7	169.1	138.3	119.5	114.4	109.3	136.6	119.5	208.3	830.0
87.5°	58.1	66.6	52.9	47.8	51.2	42.7	63.2	35.9	58.1	585.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6004.6
6008.0
6047.3
6088.3
6103.6
6117.3
6151.4
6226.6
6341.0
6464.0
6614.3
6793.6
6926.8
7075.4
7323.0
7657.7
8161.5
8472.3
8653.4
9189.6
9983.7
11170.6
12796.4
14879.9
17569.7
20887.9
24819.3
29131.4
34244.5
37149.5
31281.5
13445.4
3053.5
1275.7
1205.7
725.8
0.0

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