

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: P845974

Luminaire Tested: **GLAN-SB1B-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845974  
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-SB1B-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4785 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

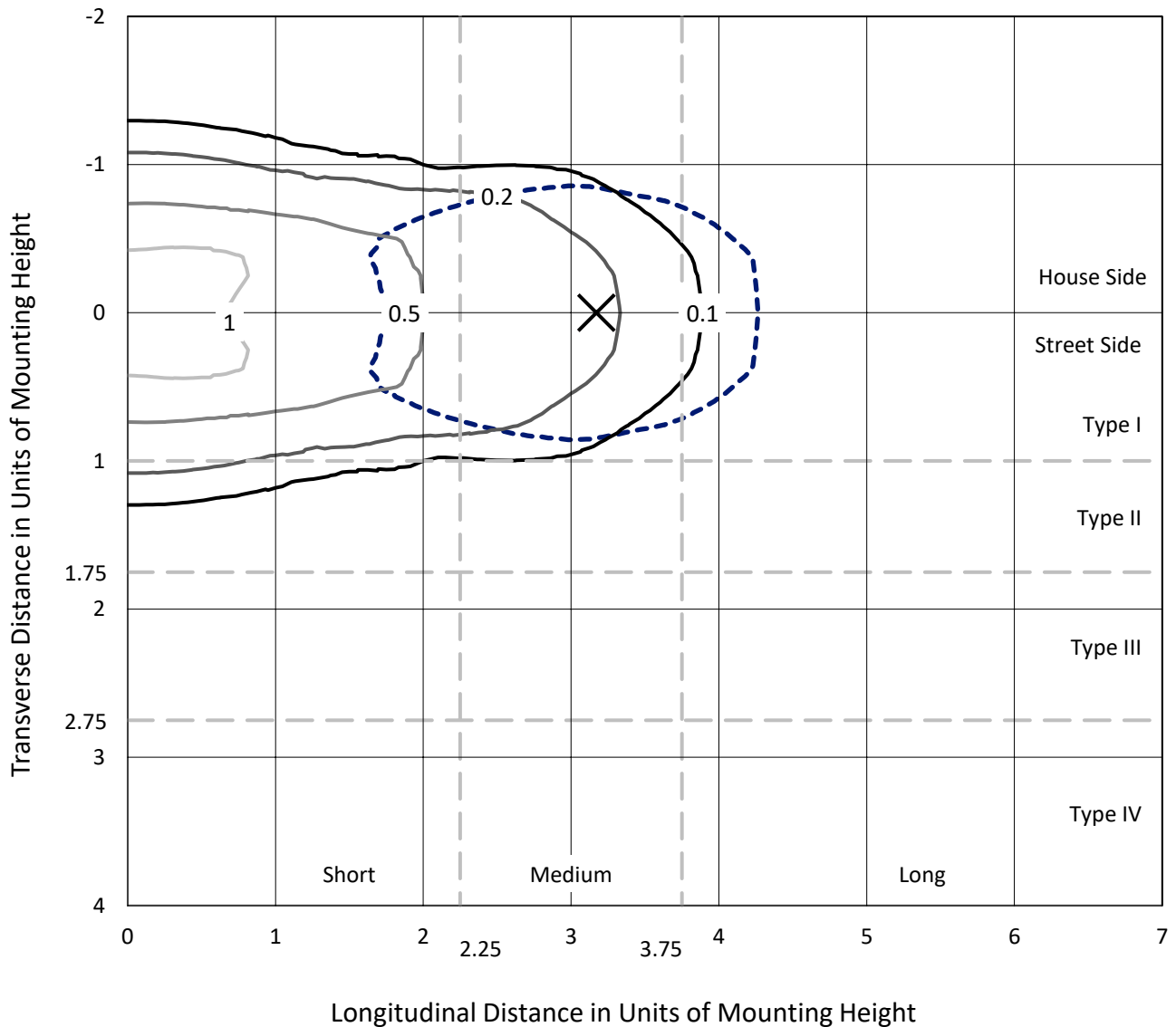
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P845974  
 CATALOG NUMBER: GLAN-SB1B-850-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

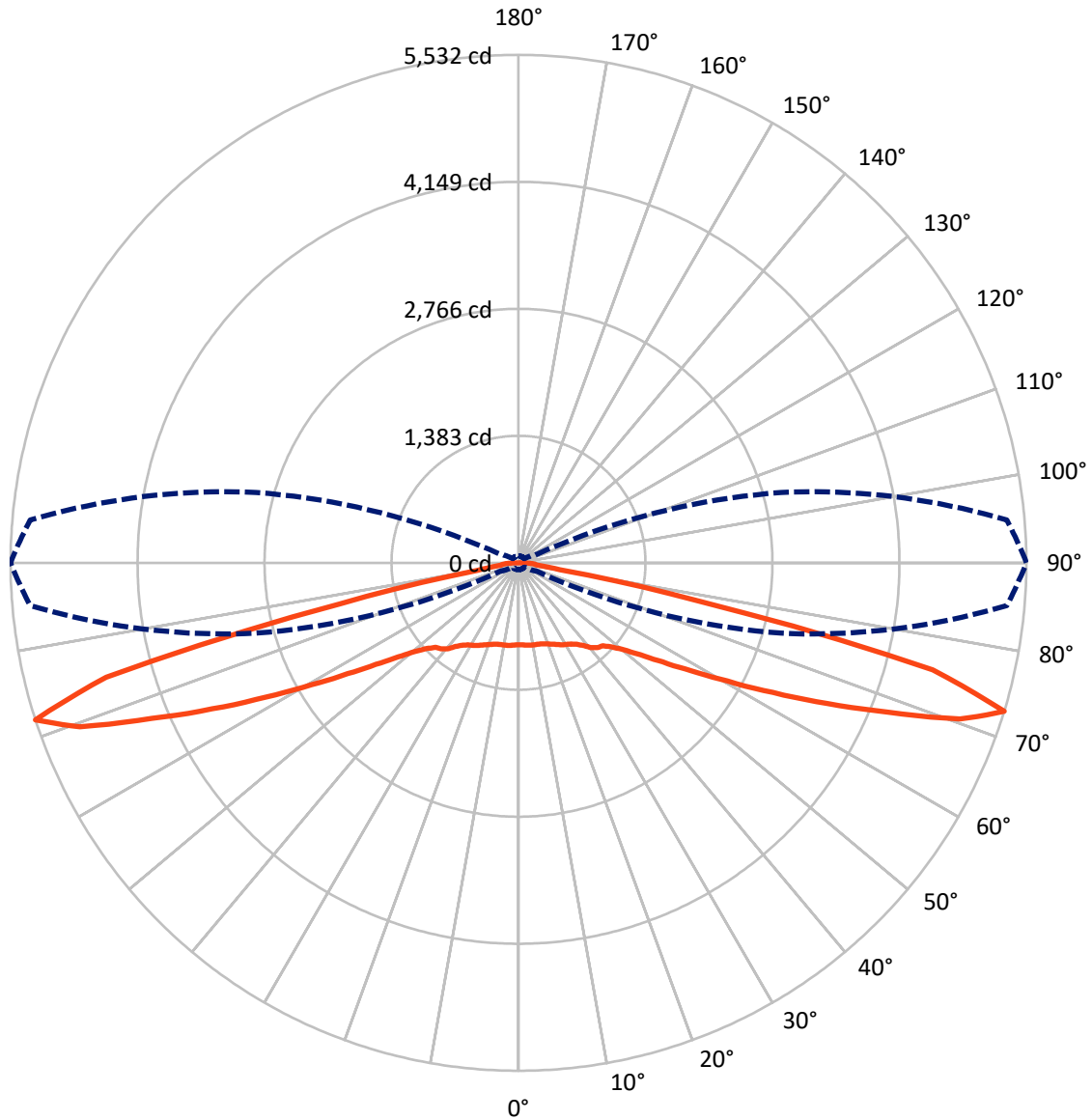
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type I - Short - N/A

REPORT NUMBER: P845974  
CATALOG NUMBER: GLAN-SB1B-850-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P845974  
 CATALOG NUMBER: GLAN-SB1B-850-U-T1

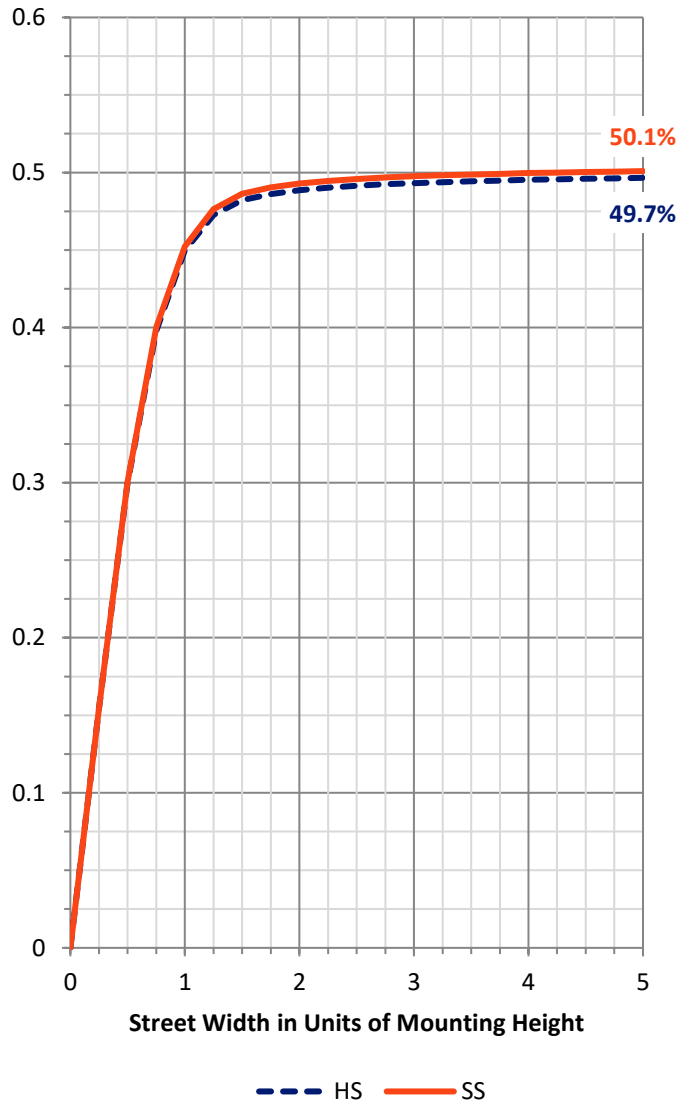
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2392.5	0.0	2392.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2392.5	0.0	2392.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4785.0	0.0	4785.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.7	1.8
10°-20°	265.1	5.5
20°-30°	442.0	9.2
30°-40°	607.9	12.7
40°-50°	742.4	15.5
50°-60°	858.7	17.9
60°-70°	1023.8	21.4
70°-80°	714.6	14.9
80°-90°	43.9	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°	4785.0	100.0
0°-180°	4785.0	100.0

**Coefficient of Utilization**



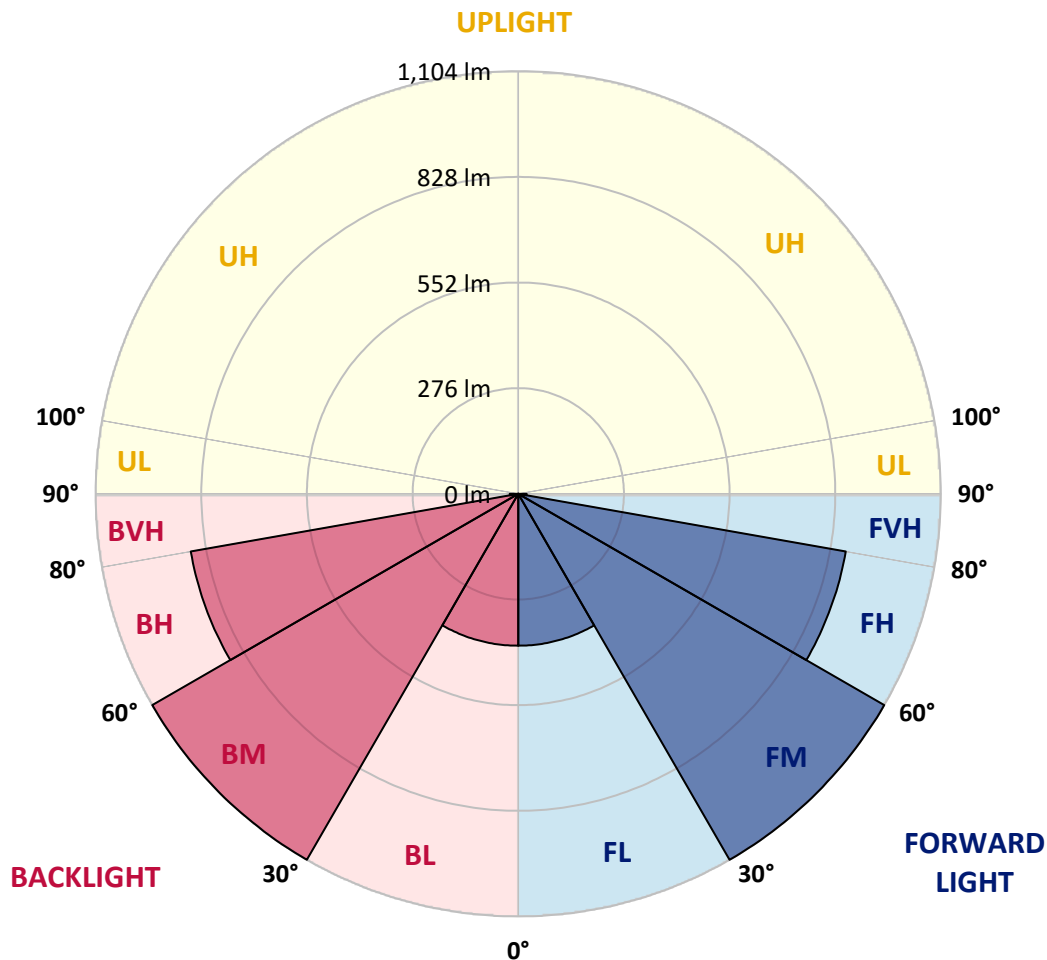
REPORT NUMBER: P845974  
 CATALOG NUMBER: GLAN-SB1B-850-U-T1

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.9	8.3			
FM (30°-60°)	1104.5	23.1			
FH (60°-80°)	869.2	18.2			G1/1800
FVH (80°-90°)	21.9	0.5			G1/100
BL (0°-30°)	396.9	8.3	B1/500		
BM (30°-60°)	1104.5	23.1	B2/2500		
BH (60°-80°)	869.2	18.2	B2/1000		G2/1000
BVH (80°-90°)	21.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short



REPORT NUMBER: P845974  
 CATALOG NUMBER: GLAN-SB1B-850-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1	894.1
2.5°	894.9	895.9	895.9	895.1	896.9	895.4	895.4	894.6	895.4	894.6
5°	899.5	900.7	901.2	901.0	903.3	902.0	902.0	901.0	901.2	900.5
7.5°	908.1	909.9	910.9	912.2	915.5	914.0	912.9	909.9	908.6	906.6
10°	910.9	912.9	916.3	922.9	930.5	930.7	927.7	920.1	914.2	909.6
12.5°	902.3	905.1	911.9	925.4	942.4	949.3	944.5	931.8	920.3	912.2
15°	891.3	894.4	904.8	925.2	950.3	966.3	965.8	949.1	930.7	918.0
17.5°	874.3	877.3	892.3	920.8	956.4	982.9	990.0	972.7	947.0	930.0
20°	843.5	846.3	867.2	907.1	958.5	1000.4	1019.0	1003.7	971.7	948.5
22.5°	803.6	807.9	832.3	883.4	953.6	1018.7	1052.0	1041.6	1000.4	968.4
25°	760.9	765.5	793.9	854.5	941.2	1032.0	1091.2	1084.6	1033.0	993.1
27.5°	724.0	728.8	759.9	825.7	921.8	1037.0	1129.9	1133.2	1072.4	1020.3
30°	695.0	699.6	732.6	802.6	896.9	1032.0	1163.7	1186.6	1112.6	1043.9
32.5°	663.2	669.1	703.9	774.4	867.4	1019.8	1193.2	1244.3	1159.1	1069.3
35°	623.0	628.4	665.0	735.7	828.8	1000.2	1217.9	1308.4	1225.7	1108.0
37.5°	574.2	579.3	615.7	687.4	790.4	972.7	1236.7	1380.6	1305.1	1163.7
40°	525.1	530.0	564.0	633.5	744.3	937.6	1243.3	1451.3	1396.1	1240.2
42.5°	480.1	484.4	515.7	580.3	692.7	892.9	1234.6	1512.8	1477.8	1293.6
45°	438.7	442.5	470.2	530.5	639.1	838.4	1208.7	1579.0	1574.9	1331.8
47.5°	391.4	395.2	423.9	482.2	585.4	774.6	1164.7	1644.1	1709.9	1418.2
50°	333.6	337.0	366.4	426.5	529.7	706.7	1103.7	1695.2	1880.3	1549.2
52.5°	265.2	268.8	297.5	357.5	463.6	633.7	1023.3	1728.5	2077.1	1740.4
55°	197.3	199.9	224.8	278.7	381.7	550.6	922.6	1737.9	2300.4	2001.9
57.5°	143.2	144.7	160.7	200.9	289.4	446.6	800.3	1713.5	2566.2	2337.0
60°	116.0	116.5	121.3	139.1	201.2	329.1	652.5	1629.6	2854.5	2769.1
62.5°	105.3	105.3	106.6	111.4	136.1	217.2	473.8	1455.6	3163.8	3315.1
65°	97.9	97.9	98.4	100.7	107.3	138.3	299.1	1172.3	3424.4	3954.7
67.5°	91.3	91.5	91.3	92.1	95.9	102.2	173.4	809.7	3564.8	4617.4
70°	84.4	84.9	83.7	83.7	86.7	87.0	108.6	444.0	3448.3	5172.8
72.5°	76.3	77.1	75.0	74.5	76.8	75.8	81.6	213.1	2960.6	5338.6
75°	69.2	70.2	65.6	64.3	64.3	63.6	66.4	109.4	1921.5	4354.9
77.5°	62.8	64.8	57.5	53.4	52.4	50.1	54.2	66.9	840.5	2044.6
80°	51.9	54.7	47.3	42.5	40.7	38.1	42.7	46.8	250.0	474.8
82.5°	38.7	39.9	33.6	30.3	28.7	27.0	32.0	32.6	81.4	168.1
85°	24.7	25.2	20.6	17.8	17.0	16.3	20.3	17.8	31.0	123.6
87.5°	8.6	9.9	7.9	7.1	7.6	6.4	9.4	5.3	8.6	87.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

894.1  
894.6  
900.5  
906.6  
908.9  
910.9  
916.0  
927.2  
944.2  
962.5  
984.9  
1011.6  
1031.5  
1053.6  
1090.4  
1140.3  
1215.3  
1261.6  
1288.6  
1368.4  
1486.7  
1663.4  
1905.5  
2215.7  
2616.3  
3110.4  
3695.8  
4337.9  
5099.3  
5531.8  
4658.1  
2002.1  
454.7  
190.0  
179.5  
108.1  
0.0

OF REPORT)