

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: P846144

Luminaire Tested: **GLAN-SB1C-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846144  
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-SB1C-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6364 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

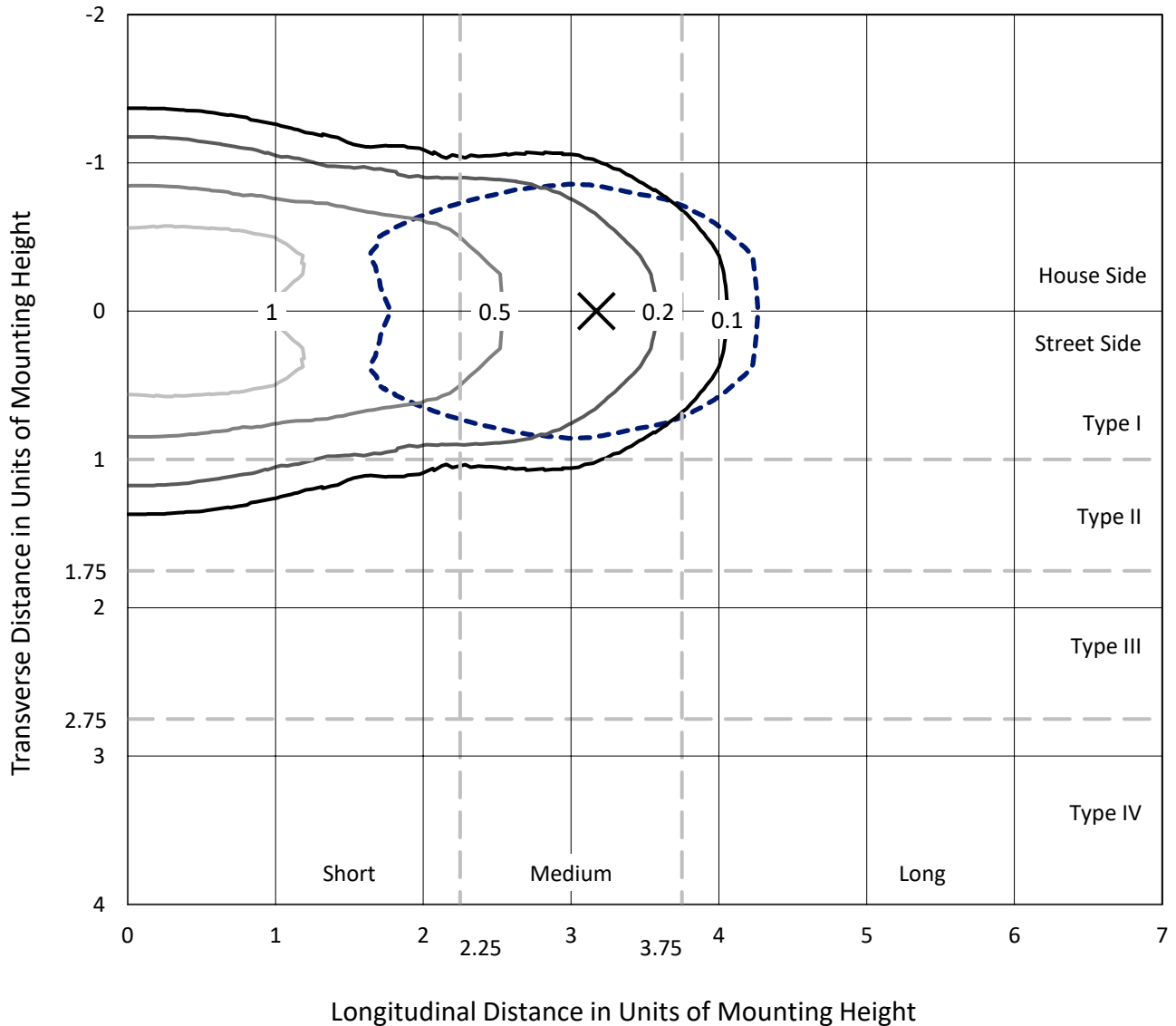
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846144  
 CATALOG NUMBER: GLAN-SB1C-850-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

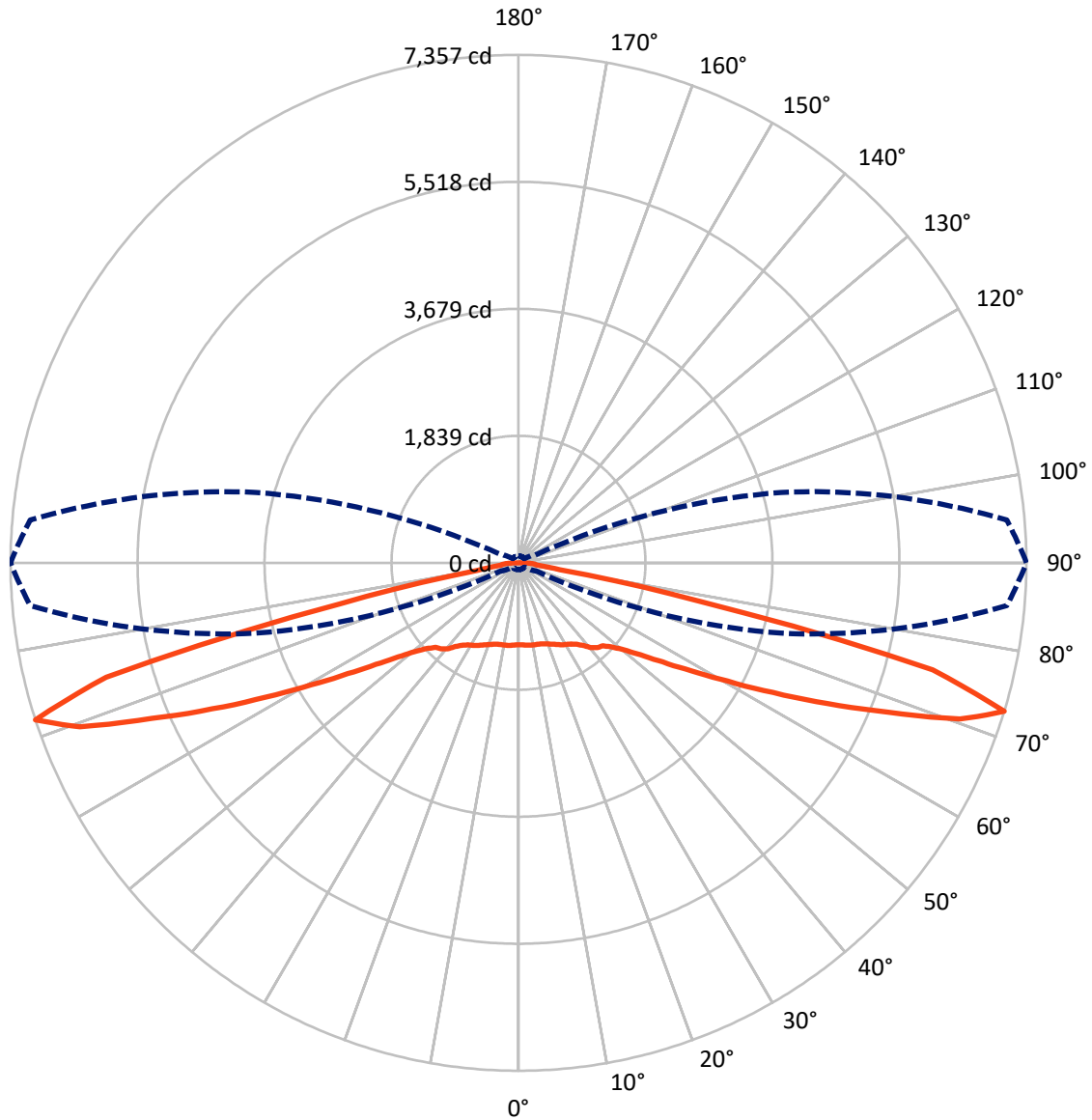
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type I - Short - N/A

REPORT NUMBER: P846144  
CATALOG NUMBER: GLAN-SB1C-850-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846144  
 CATALOG NUMBER: GLAN-SB1C-850-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3182.0	0.0	3182.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3182.0	0.0	3182.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6364.0	0.0	6364.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.3	1.8
10°-20°	352.6	5.5
20°-30°	587.9	9.2
30°-40°	808.5	12.7
40°-50°	987.4	15.5
50°-60°	1142.0	17.9
60°-70°	1361.7	21.4
70°-80°	950.4	14.9
80°-90°	58.4	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°	6364.0	100.0
0°-180°	6364.0	100.0

**Coefficient of Utilization**



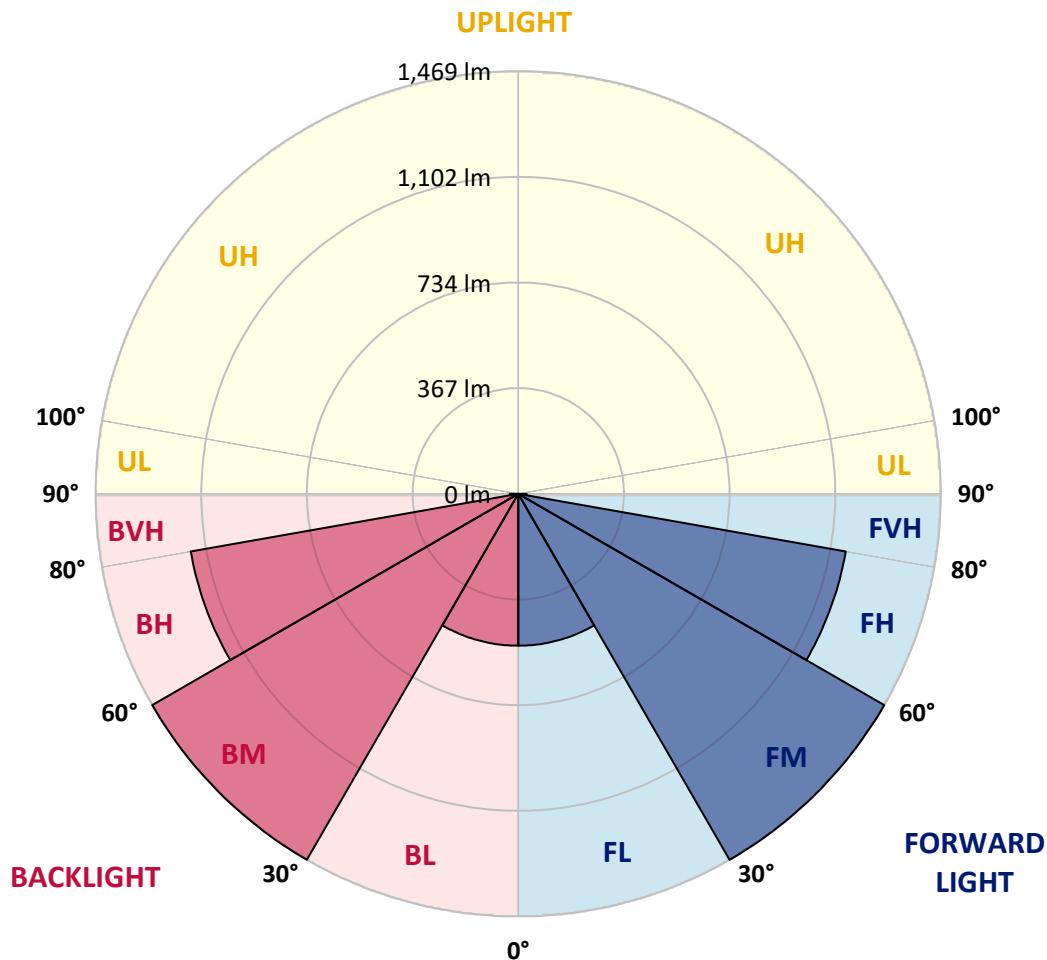
REPORT NUMBER: P846144  
 CATALOG NUMBER: GLAN-SB1C-850-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.9	8.3			
FM (30°-60°)	1468.9	23.1			
FH (60°-80°)	1156.0	18.2			G1/1800
FVH (80°-90°)	29.2	0.5			G1/100
BL (0°-30°)	527.9	8.3	B2/1000		
BM (30°-60°)	1468.9	23.1	B2/2500		
BH (60°-80°)	1156.0	18.2	B3/2500		G3/2500
BVH (80°-90°)	29.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



REPORT NUMBER: P846144  
 CATALOG NUMBER: GLAN-SB1C-850-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2	1189.2
2.5°	1190.2	1191.5	1191.5	1190.5	1192.9	1190.9	1190.9	1189.9	1190.9	1189.9
5°	1196.3	1198.0	1198.7	1198.3	1201.4	1199.7	1199.7	1198.3	1198.7	1197.6
7.5°	1207.8	1210.2	1211.5	1213.2	1217.6	1215.6	1214.2	1210.2	1208.5	1205.8
10°	1211.5	1214.2	1218.6	1227.4	1237.5	1237.9	1233.8	1223.7	1215.9	1209.8
12.5°	1200.0	1203.7	1212.9	1230.8	1253.4	1262.6	1256.1	1239.2	1224.0	1213.2
15°	1185.5	1189.5	1203.4	1230.4	1263.9	1285.2	1284.6	1262.2	1237.9	1221.0
17.5°	1162.8	1166.9	1186.8	1224.7	1272.0	1307.2	1316.7	1293.7	1259.5	1236.9
20°	1121.9	1125.6	1153.3	1206.4	1274.8	1330.6	1355.2	1335.0	1292.3	1261.6
22.5°	1068.8	1074.5	1107.0	1175.0	1268.3	1354.9	1399.2	1385.3	1330.6	1287.9
25°	1012.0	1018.0	1055.9	1136.4	1251.8	1372.5	1451.3	1442.5	1373.8	1320.7
27.5°	962.9	969.3	1010.6	1098.2	1226.0	1379.3	1502.7	1507.1	1426.3	1356.9
30°	924.4	930.4	974.4	1067.4	1192.9	1372.5	1547.7	1578.1	1479.7	1388.4
32.5°	882.1	889.9	936.2	1029.9	1153.7	1356.3	1586.9	1654.9	1541.6	1422.2
35°	828.6	835.7	884.4	978.5	1102.3	1330.2	1619.7	1740.1	1630.2	1473.6
37.5°	763.7	770.5	818.8	914.2	1051.2	1293.7	1644.8	1836.2	1735.7	1547.7
40°	698.4	704.8	750.2	842.5	990.0	1247.0	1653.6	1930.2	1856.8	1649.5
42.5°	638.6	644.3	685.9	771.8	921.3	1187.5	1642.1	2012.1	1965.4	1720.5
45°	583.4	588.5	625.4	705.5	849.9	1115.1	1607.6	2100.0	2094.6	1771.3
47.5°	520.5	525.6	563.8	641.3	778.6	1030.2	1549.0	2186.6	2274.2	1886.3
50°	443.7	448.1	487.4	567.2	704.5	939.9	1467.9	2254.6	2500.8	2060.4
52.5°	352.8	357.5	395.7	475.5	616.6	842.8	1361.0	2298.9	2762.6	2314.8
55°	262.5	265.8	299.0	370.7	507.7	732.2	1227.1	2311.4	3059.5	2662.5
57.5°	190.4	192.4	213.8	267.2	384.9	593.9	1064.4	2278.9	3413.0	3108.2
60°	154.2	154.9	161.3	185.0	267.5	437.7	867.9	2167.3	3796.5	3682.9
62.5°	140.0	140.0	141.7	148.1	180.9	288.8	630.1	1936.0	4207.8	4409.0
65°	130.2	130.2	130.9	133.9	142.7	184.0	397.7	1559.2	4554.5	5259.7
67.5°	121.4	121.8	121.4	122.4	127.5	136.0	230.7	1076.9	4741.2	6141.1
70°	112.3	113.0	111.3	111.3	115.3	115.7	144.4	590.5	4586.3	6879.7
72.5°	101.5	102.5	99.8	99.1	102.1	100.8	108.6	283.4	3937.6	7100.2
75°	92.0	93.3	87.3	85.6	85.6	84.6	88.3	145.4	2555.6	5792.0
77.5°	83.5	86.2	76.4	71.0	69.7	66.6	72.0	89.0	1117.8	2719.3
80°	69.0	72.7	62.9	56.5	54.1	50.7	56.8	62.2	332.5	631.5
82.5°	51.4	53.1	44.6	40.2	38.2	35.9	42.6	43.3	108.2	223.6
85°	32.8	33.5	27.4	23.7	22.7	21.6	27.1	23.7	41.3	164.4
87.5°	11.5	13.2	10.5	9.5	10.1	8.5	12.5	7.1	11.5	116.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1189.2  
1189.9  
1197.6  
1205.8  
1208.8  
1211.5  
1218.3  
1233.1  
1255.8  
1280.2  
1309.9  
1345.4  
1371.8  
1401.2  
1450.3  
1516.6  
1616.4  
1677.9  
1713.8  
1820.0  
1977.2  
2212.3  
2534.3  
2946.9  
3479.6  
4136.8  
4915.3  
5769.4  
6782.0  
7357.3  
6195.2  
2662.8  
604.7  
252.7  
238.8  
143.7  
0.0

OF REPORT)