

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: P846134

Luminaire Tested: **GLAN-SB1C-840-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846134  
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-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6591 lumens  
Efficiency: N/A  
Efficacy: 121.2 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

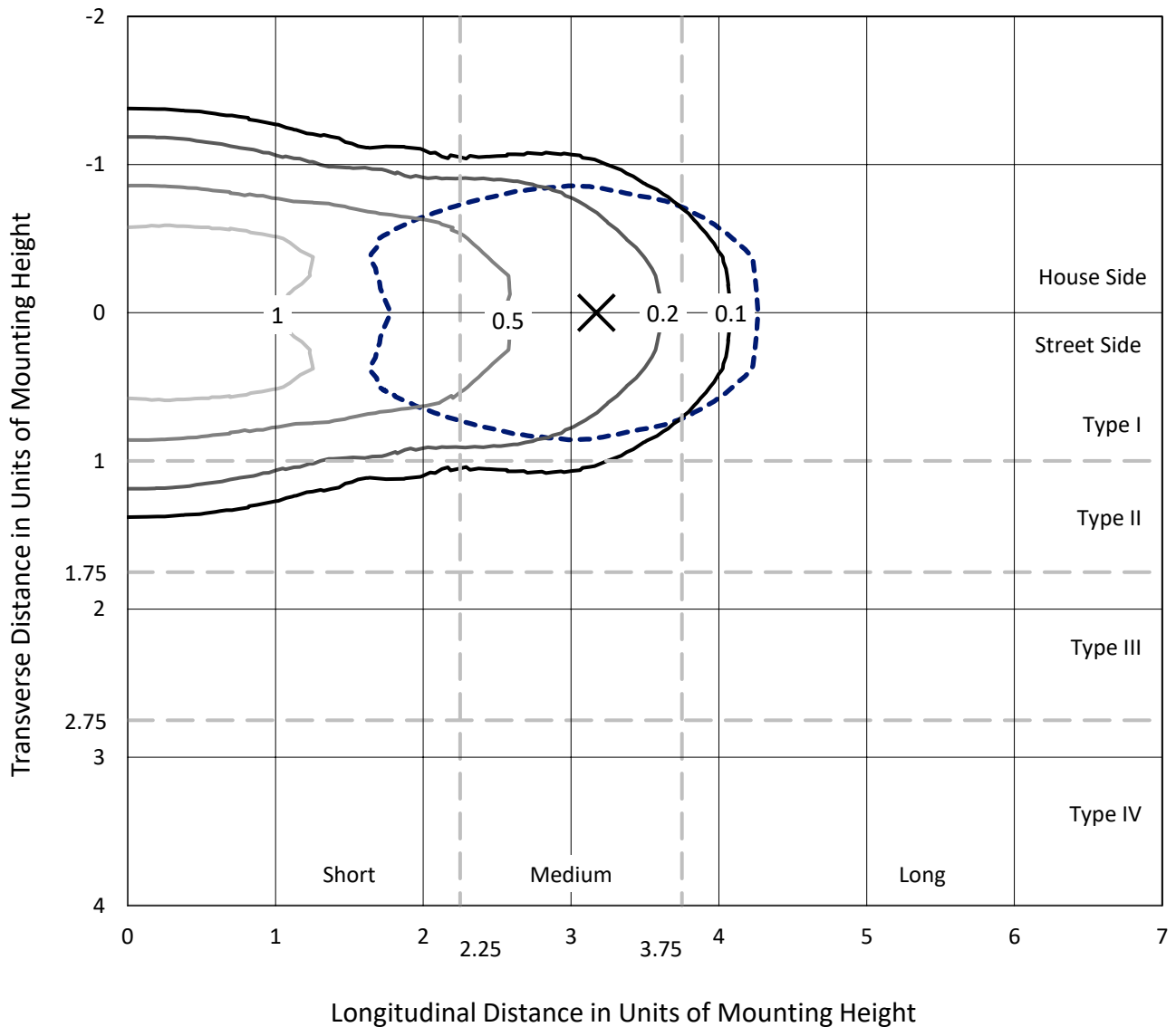
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

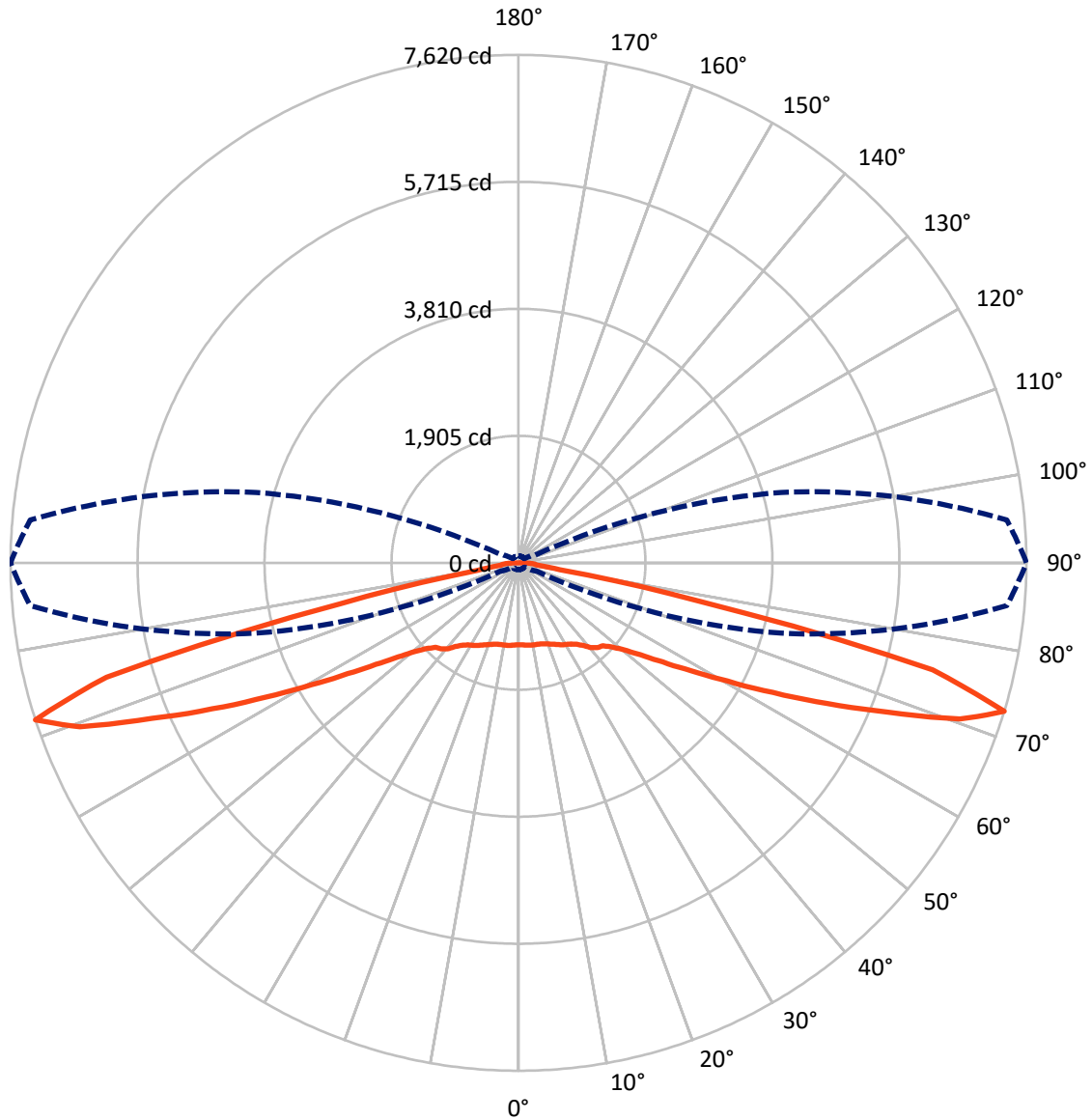
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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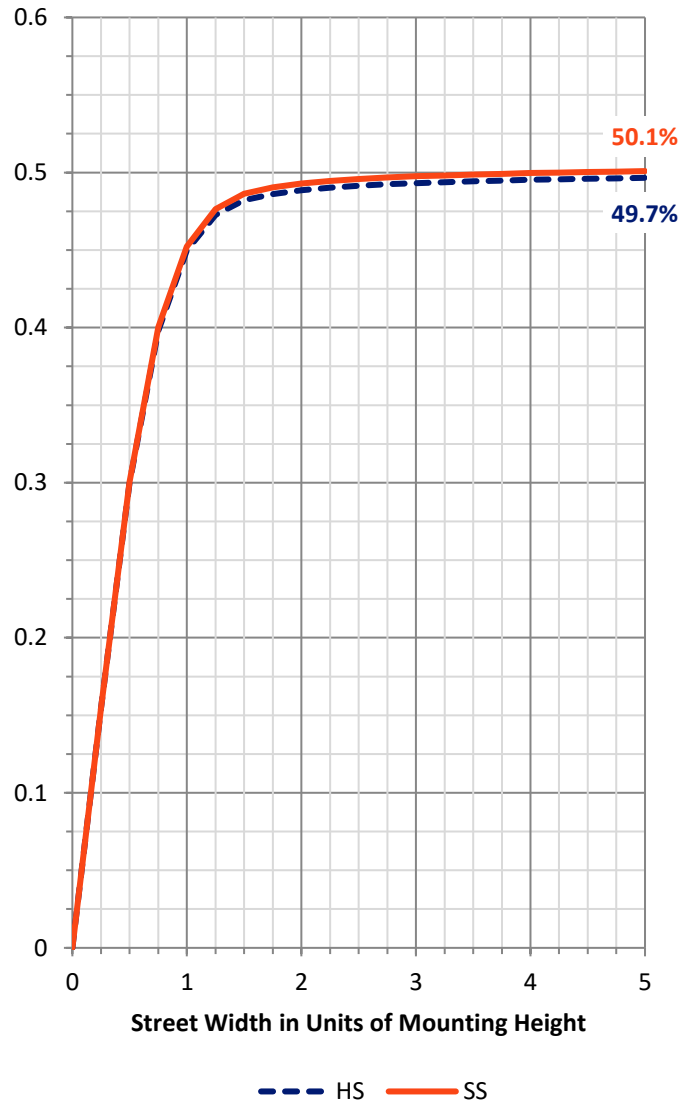
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3295.5	0.0	3295.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3295.5	0.0	3295.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6591.0	0.0	6591.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.4	1.8
10°-20°	365.1	5.5
20°-30°	608.8	9.2
30°-40°	837.3	12.7
40°-50°	1022.6	15.5
50°-60°	1182.7	17.9
60°-70°	1410.2	21.4
70°-80°	984.2	14.9
80°-90°	60.5	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°	6591.0	100.0
0°-180°	6591.0	100.0

**Coefficient of Utilization**



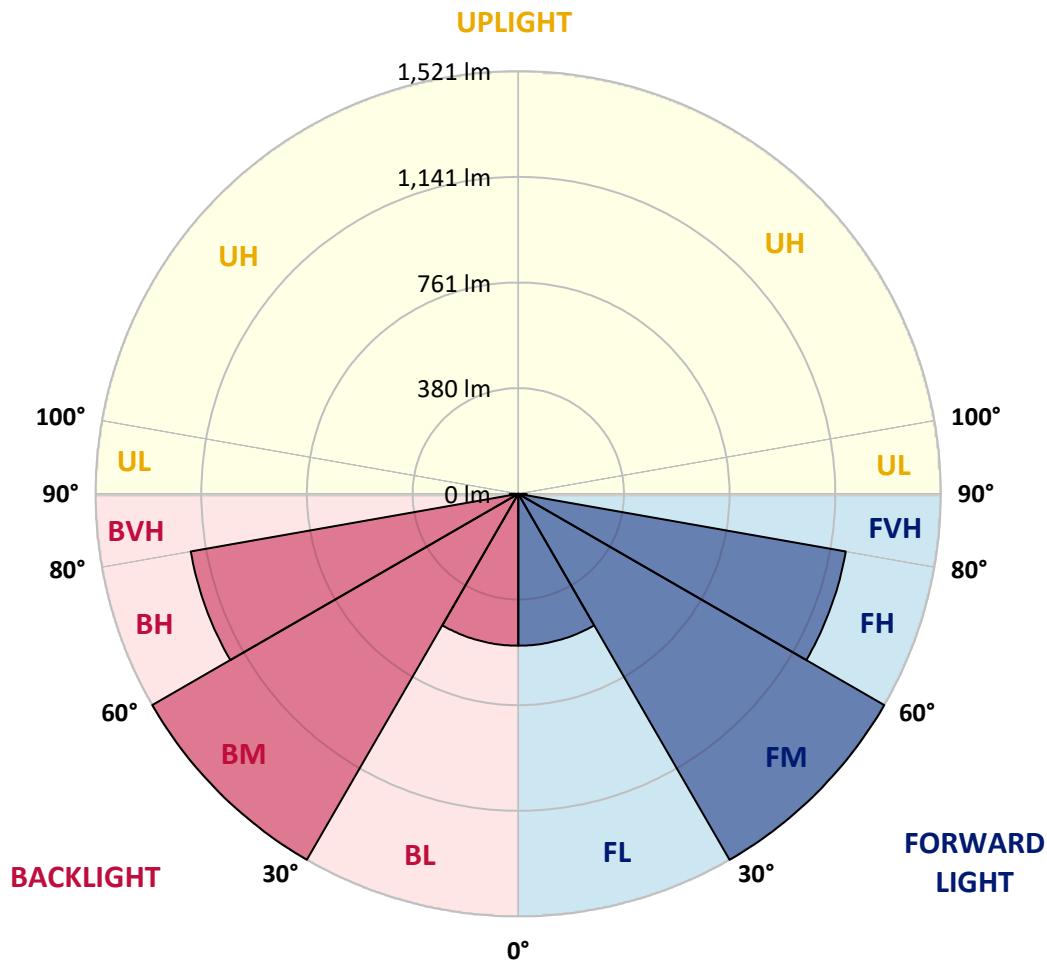
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.7	8.3			
FM (30°-60°)	1521.3	23.1			
FH (60°-80°)	1197.2	18.2			G1/1800
FVH (80°-90°)	30.2	0.5			G1/100
BL (0°-30°)	546.7	8.3	B2/1000		
BM (30°-60°)	1521.3	23.1	B2/2500		
BH (60°-80°)	1197.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	30.2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6
2.5°	1232.6	1234.0	1234.0	1233.0	1235.5	1233.3	1233.3	1232.3	1233.3	1232.3
5°	1239.0	1240.7	1241.4	1241.1	1244.2	1242.5	1242.5	1241.1	1241.4	1240.4
7.5°	1250.9	1253.3	1254.7	1256.5	1261.0	1258.9	1257.5	1253.3	1251.6	1248.8
10°	1254.7	1257.5	1262.1	1271.2	1281.7	1282.0	1277.8	1267.3	1259.3	1253.0
12.5°	1242.8	1246.7	1256.1	1274.7	1298.2	1307.6	1301.0	1283.4	1267.7	1256.5
15°	1227.7	1231.9	1246.3	1274.3	1309.0	1331.1	1330.4	1307.3	1282.0	1264.5
17.5°	1204.3	1208.5	1229.1	1268.4	1317.4	1353.8	1363.7	1339.8	1304.5	1281.0
20°	1161.9	1165.7	1194.5	1249.5	1320.2	1378.0	1403.6	1382.6	1338.4	1306.6
22.5°	1106.9	1112.9	1146.5	1216.9	1313.6	1403.2	1449.1	1434.8	1378.0	1333.9
25°	1048.0	1054.4	1093.6	1177.0	1296.4	1421.5	1503.1	1494.0	1422.9	1367.9
27.5°	997.3	1003.9	1046.6	1137.4	1269.8	1428.5	1556.3	1560.9	1477.1	1405.3
30°	957.3	963.6	1009.2	1105.5	1235.5	1421.5	1602.9	1634.4	1532.5	1437.9
32.5°	913.5	921.6	969.6	1066.6	1194.8	1404.6	1643.5	1713.9	1596.6	1472.9
35°	858.2	865.6	916.0	1013.4	1141.6	1377.7	1677.5	1802.2	1688.4	1526.2
37.5°	790.9	797.9	848.0	946.8	1088.7	1339.8	1703.4	1901.7	1797.7	1602.9
40°	723.3	730.0	776.9	872.6	1025.3	1291.5	1712.5	1999.1	1923.1	1708.3
42.5°	661.3	667.3	710.4	799.3	954.2	1229.8	1700.6	2083.8	2035.5	1781.9
45°	604.2	609.5	647.7	730.7	880.3	1154.9	1664.9	2174.9	2169.3	1834.4
47.5°	539.1	544.3	583.9	664.1	806.4	1067.0	1604.3	2264.6	2355.3	1953.5
50°	459.6	464.1	504.8	587.4	729.6	973.4	1520.2	2335.0	2590.0	2133.9
52.5°	365.3	370.3	409.8	492.5	638.6	872.9	1409.5	2380.9	2861.1	2397.3
55°	271.8	275.3	309.7	383.9	525.8	758.4	1270.8	2393.8	3168.7	2757.4
57.5°	197.2	199.3	221.4	276.7	398.6	615.1	1102.3	2360.2	3534.7	3219.1
60°	159.7	160.4	167.1	191.6	277.1	453.3	898.8	2244.6	3931.9	3814.2
62.5°	145.0	145.0	146.8	153.4	187.4	299.1	652.6	2005.0	4357.9	4566.3
65°	134.9	134.9	135.6	138.7	147.8	190.6	411.9	1614.8	4716.9	5447.3
67.5°	125.8	126.1	125.8	126.8	132.1	140.8	238.9	1115.3	4910.3	6360.1
70°	116.3	117.0	115.2	115.2	119.4	119.8	149.6	611.6	4749.8	7125.1
72.5°	105.1	106.1	103.3	102.6	105.8	104.4	112.4	293.5	4078.0	7353.5
75°	95.3	96.7	90.4	88.6	88.6	87.6	91.4	150.6	2646.7	5998.6
77.5°	86.5	89.3	79.2	73.6	72.2	69.0	74.6	92.1	1157.7	2816.3
80°	71.5	75.3	65.2	58.5	56.0	52.5	58.8	64.5	344.3	654.0
82.5°	53.2	55.0	46.2	41.7	39.6	37.1	44.1	44.8	112.1	231.5
85°	34.0	34.7	28.4	24.5	23.5	22.4	28.0	24.5	42.7	170.2
87.5°	11.9	13.7	10.9	9.8	10.5	8.8	13.0	7.4	11.9	120.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1231.6  
1232.3  
1240.4  
1248.8  
1251.9  
1254.7  
1261.7  
1277.1  
1300.6  
1325.8  
1356.6  
1393.4  
1420.8  
1451.2  
1502.0  
1570.7  
1674.0  
1737.8  
1774.9  
1884.9  
2047.8  
2291.2  
2624.7  
3052.0  
3603.7  
4284.3  
5090.7  
5975.1  
7023.9  
7619.7  
6416.1  
2757.8  
626.3  
261.7  
247.3  
148.9  
0.0

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