

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: P846484

Luminaire Tested: **GLAN-SB2A-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846484
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-SB2A-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7620 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

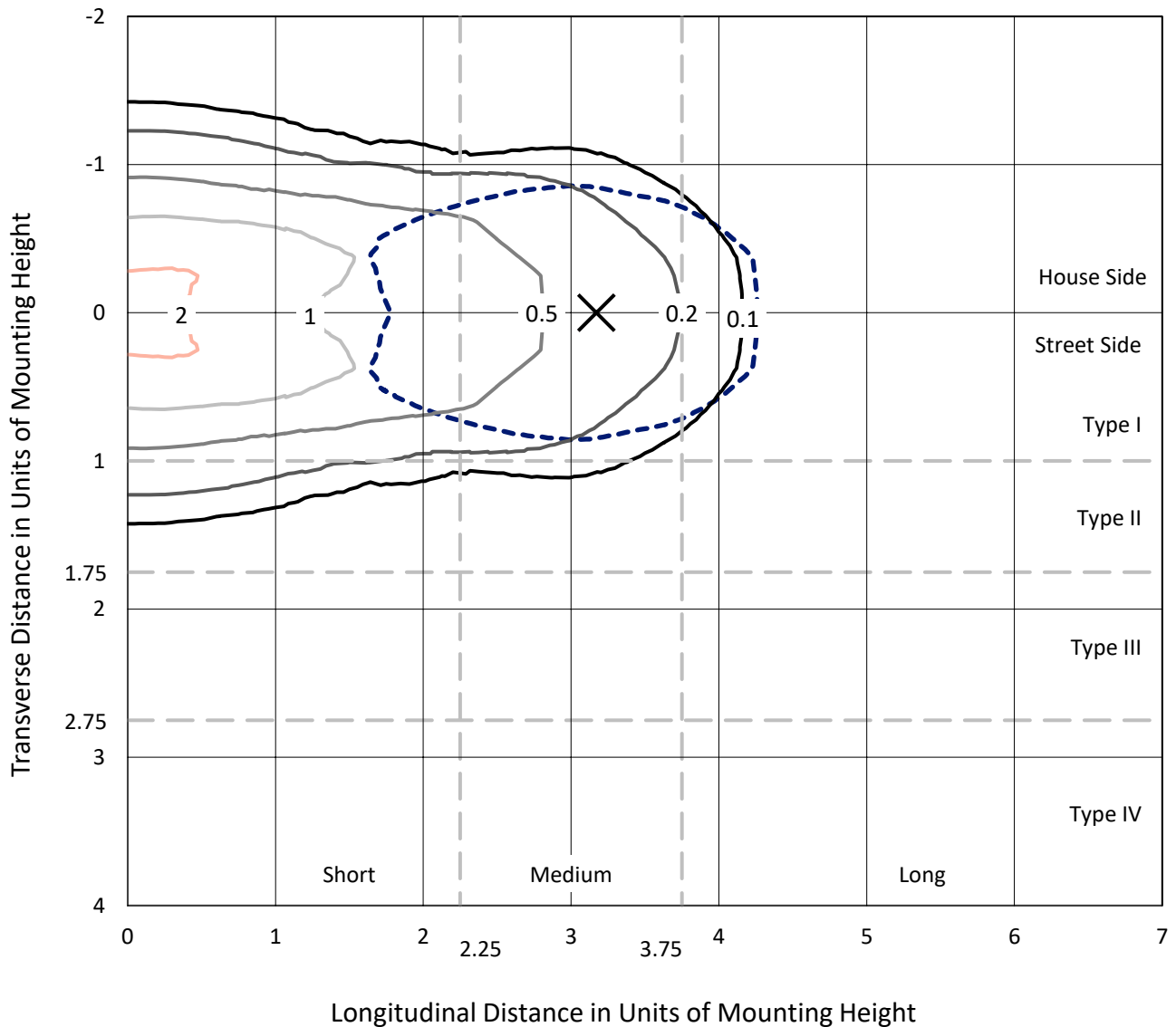
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

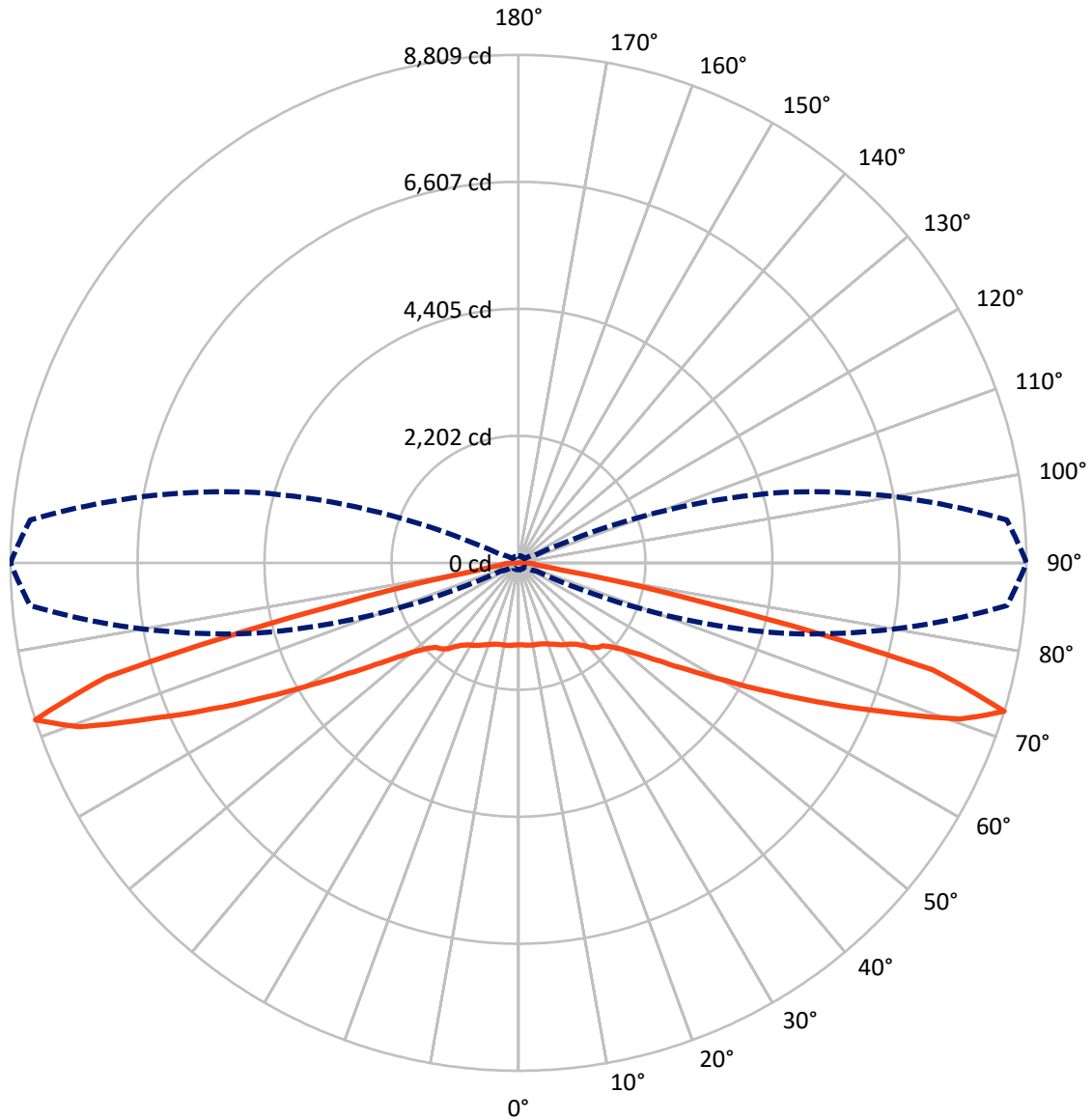
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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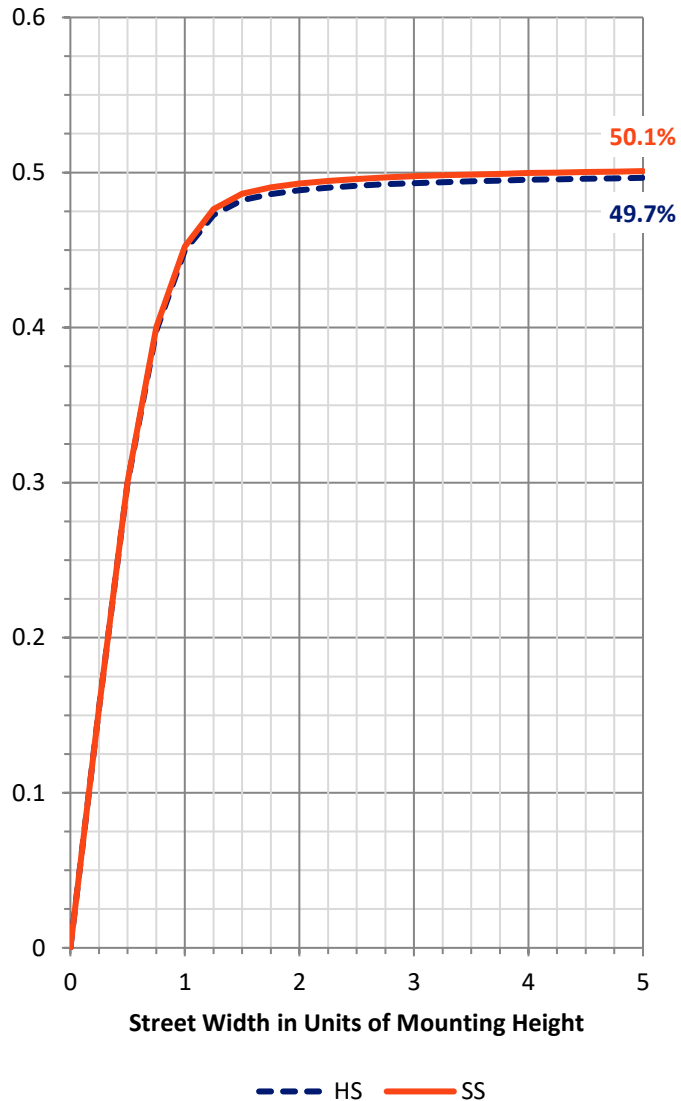
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3810.0	0.0	3810.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3810.0	0.0	3810.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7620.0	0.0	7620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	1.8
10°-20°	422.1	5.5
20°-30°	703.9	9.2
30°-40°	968.1	12.7
40°-50°	1182.3	15.5
50°-60°	1367.4	17.9
60°-70°	1630.4	21.4
70°-80°	1137.9	14.9
80°-90°	69.9	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°	7620.0	100.0
0°-180°	7620.0	100.0

Coefficient of Utilization



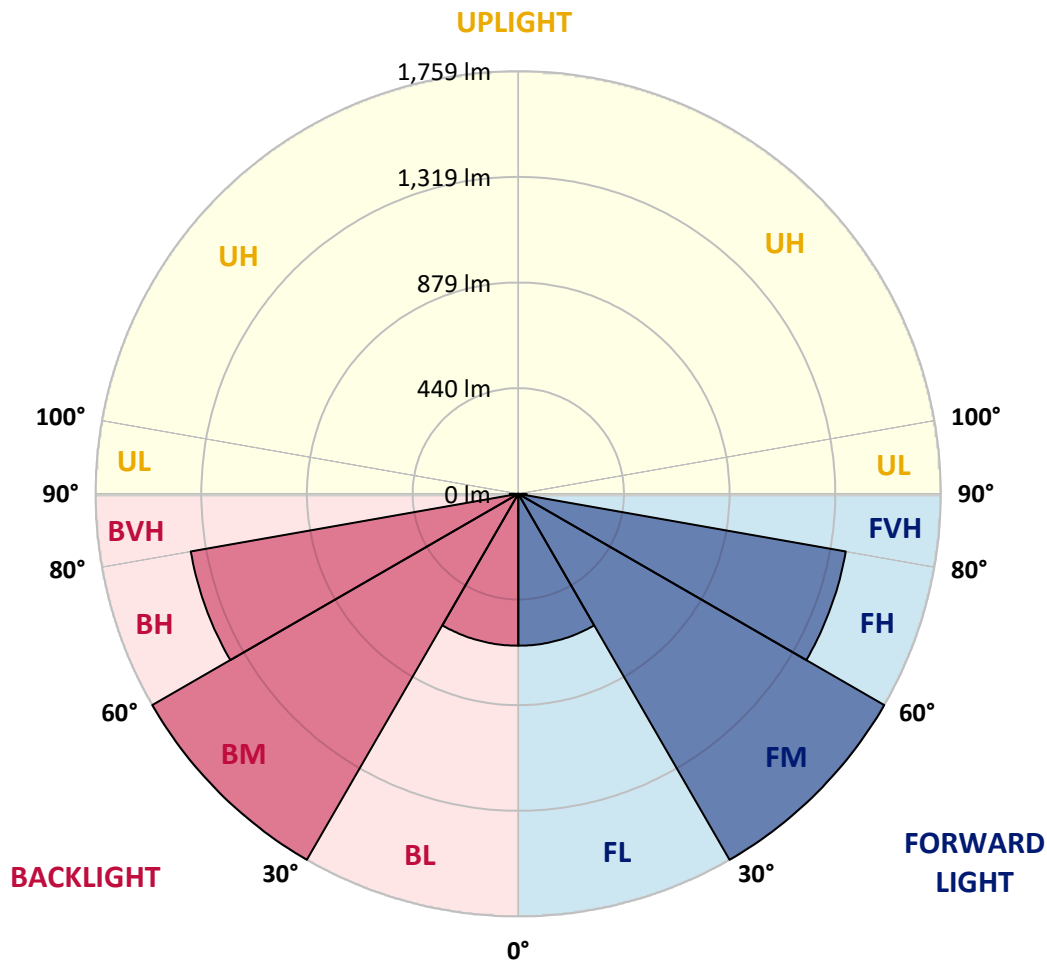
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	632.0	8.3			
FM (30°-60°)	1758.9	23.1			
FH (60°-80°)	1384.2	18.2			G1/1800
FVH (80°-90°)	34.9	0.5			G1/100
BL (0°-30°)	632.0	8.3	B2/1000		
BM (30°-60°)	1758.9	23.1	B2/2500		
BH (60°-80°)	1384.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	34.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9
2.5°	1425.1	1426.7	1426.7	1425.5	1428.3	1425.9	1425.9	1424.7	1425.9	1424.7
5°	1432.4	1434.4	1435.2	1434.8	1438.5	1436.4	1436.4	1434.8	1435.2	1434.0
7.5°	1446.2	1449.0	1450.6	1452.6	1457.9	1455.5	1453.8	1449.0	1447.0	1443.7
10°	1450.6	1453.8	1459.1	1469.6	1481.8	1482.2	1477.3	1465.2	1455.9	1448.6
12.5°	1436.8	1441.3	1452.2	1473.7	1500.8	1511.8	1504.1	1483.8	1465.6	1452.6
15°	1419.4	1424.3	1440.9	1473.3	1513.4	1538.9	1538.1	1511.4	1482.2	1461.9
17.5°	1392.3	1397.1	1421.0	1466.4	1523.1	1565.2	1576.6	1549.0	1508.1	1481.0
20°	1343.3	1347.7	1381.0	1444.5	1526.3	1593.2	1622.7	1598.4	1547.4	1510.5
22.5°	1279.7	1286.6	1325.5	1406.9	1518.6	1622.3	1675.4	1658.8	1593.2	1542.1
25°	1211.7	1219.0	1264.3	1360.7	1498.8	1643.4	1737.7	1727.2	1645.0	1581.4
27.5°	1153.0	1160.6	1210.1	1314.9	1468.0	1651.5	1799.3	1804.6	1707.8	1624.7
30°	1106.8	1114.1	1166.7	1278.1	1428.3	1643.4	1853.1	1889.6	1771.7	1662.4
32.5°	1056.2	1065.5	1121.0	1233.1	1381.4	1623.9	1900.1	1981.5	1845.9	1702.9
35°	992.2	1000.7	1059.0	1171.6	1319.8	1592.8	1939.4	2083.6	1952.0	1764.5
37.5°	914.4	922.5	980.4	1094.6	1258.6	1549.0	1969.4	2198.6	2078.3	1853.1
40°	836.3	844.0	898.2	1008.8	1185.3	1493.1	1979.9	2311.2	2223.3	1975.0
42.5°	764.6	771.5	821.3	924.1	1103.1	1421.9	1966.1	2409.2	2353.3	2060.1
45°	698.6	704.6	748.8	844.8	1017.7	1335.2	1924.8	2514.5	2508.0	2120.8
47.5°	623.3	629.3	675.1	767.8	932.2	1233.5	1854.8	2618.1	2723.0	2258.5
50°	531.3	536.6	583.6	679.1	843.6	1125.4	1757.6	2699.5	2994.4	2467.1
52.5°	422.4	428.1	473.8	569.4	738.3	1009.2	1629.6	2752.6	3307.8	2771.6
55°	314.3	318.3	358.0	443.8	607.9	876.8	1469.2	2767.6	3663.4	3187.9
57.5°	228.0	230.4	255.9	319.9	460.9	711.1	1274.4	2728.7	4086.6	3721.7
60°	184.7	185.5	193.2	221.5	320.3	524.0	1039.2	2595.1	4545.8	4409.7
62.5°	167.7	167.7	169.7	177.4	216.7	345.8	754.5	2318.1	5038.2	5279.2
65°	155.9	155.9	156.7	160.4	170.9	220.3	476.2	1866.9	5453.3	6297.7
67.5°	145.4	145.8	145.4	146.6	152.7	162.8	276.2	1289.4	5676.9	7353.1
70°	134.5	135.3	133.2	133.2	138.1	138.5	172.9	707.1	5491.4	8237.5
72.5°	121.5	122.7	119.5	118.7	122.3	120.7	130.0	339.4	4714.7	8501.6
75°	110.2	111.8	104.5	102.5	102.5	101.2	105.7	174.1	3060.0	6935.1
77.5°	100.0	103.3	91.5	85.0	83.4	79.8	86.3	106.5	1338.4	3256.0
80°	82.6	87.1	75.3	67.6	64.8	60.7	68.0	74.5	398.1	756.1
82.5°	61.6	63.6	53.5	48.2	45.8	42.9	51.0	51.8	129.6	267.7
85°	39.3	40.1	32.8	28.3	27.1	25.9	32.4	28.3	49.4	196.8
87.5°	13.8	15.8	12.6	11.3	12.1	10.1	15.0	8.5	13.8	138.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1423.9
1424.7
1434.0
1443.7
1447.4
1450.6
1458.7
1476.5
1503.7
1532.8
1568.5
1611.0
1642.6
1677.8
1736.5
1815.9
1935.4
2009.1
2052.0
2179.1
2367.5
2648.9
3034.4
3528.5
4166.3
4953.2
5885.4
6908.0
8120.5
8809.3
7417.9
3188.3
724.1
302.5
285.9
172.1
0.0

OF REPORT)