

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: P847841

Luminaire Tested: **GLAN-SB4A-850-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15614 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

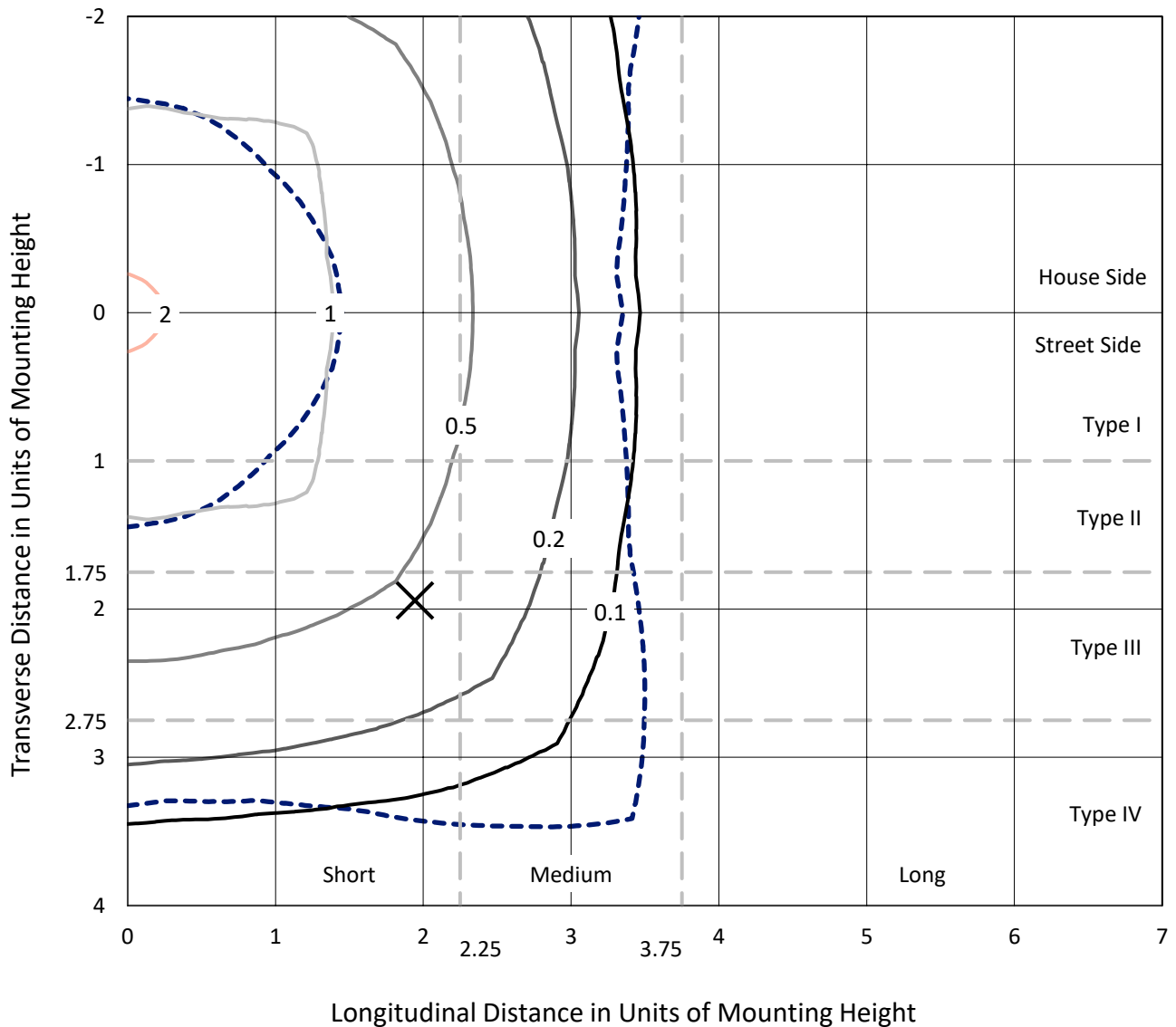
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

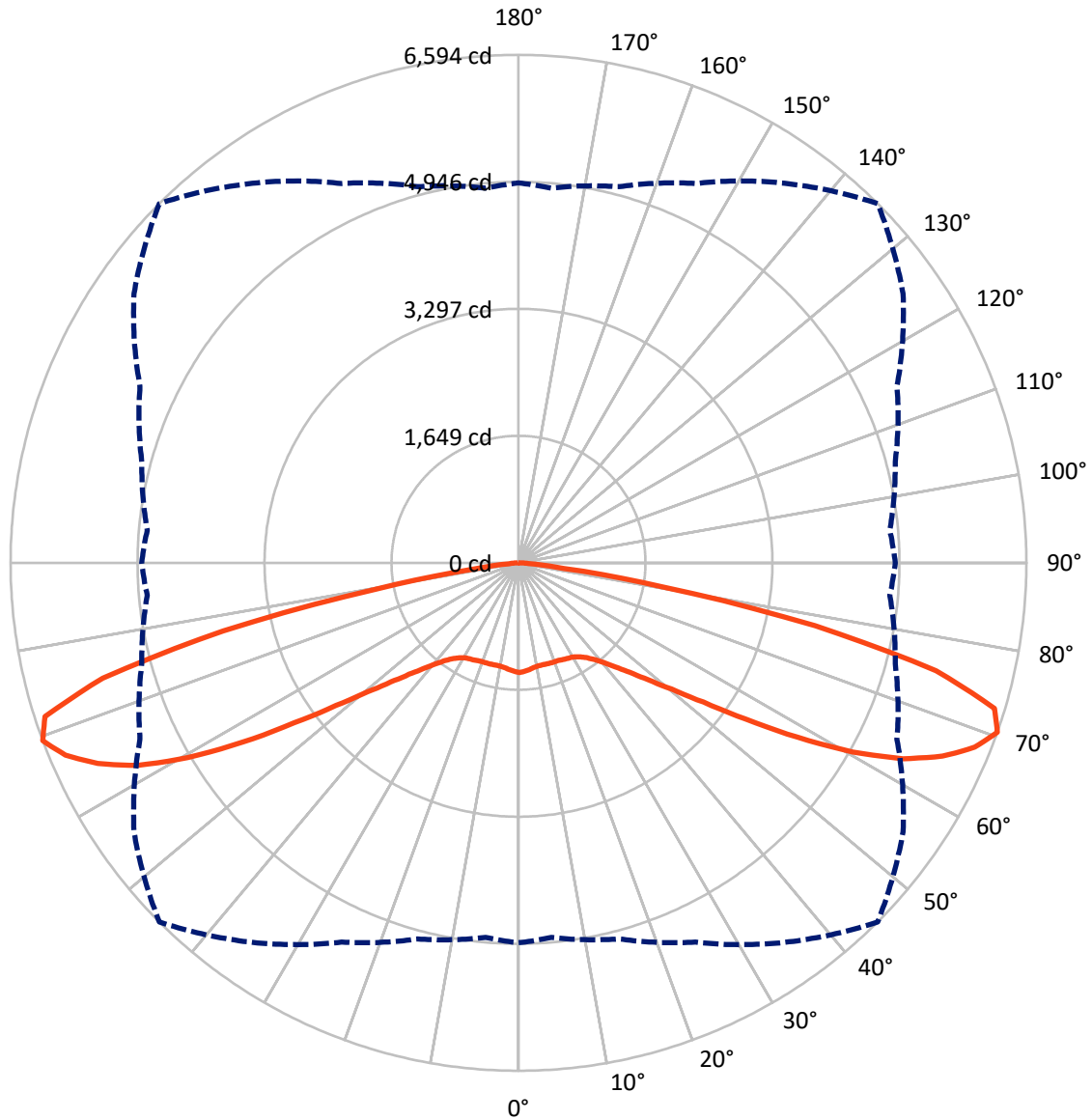
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7807.0	0.0	7807.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7807.0	0.0	7807.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15614.0	0.0	15614.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	0.8
10°-20°	389.0	2.5
20°-30°	647.4	4.1
30°-40°	979.1	6.3
40°-50°	1627.0	10.4
50°-60°	3070.1	19.7
60°-70°	5184.0	33.2
70°-80°	3406.4	21.8
80°-90°	178.5	1.1
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°	15614.0	100.0
0°-180°	15614.0	100.0

**Coefficient of Utilization**



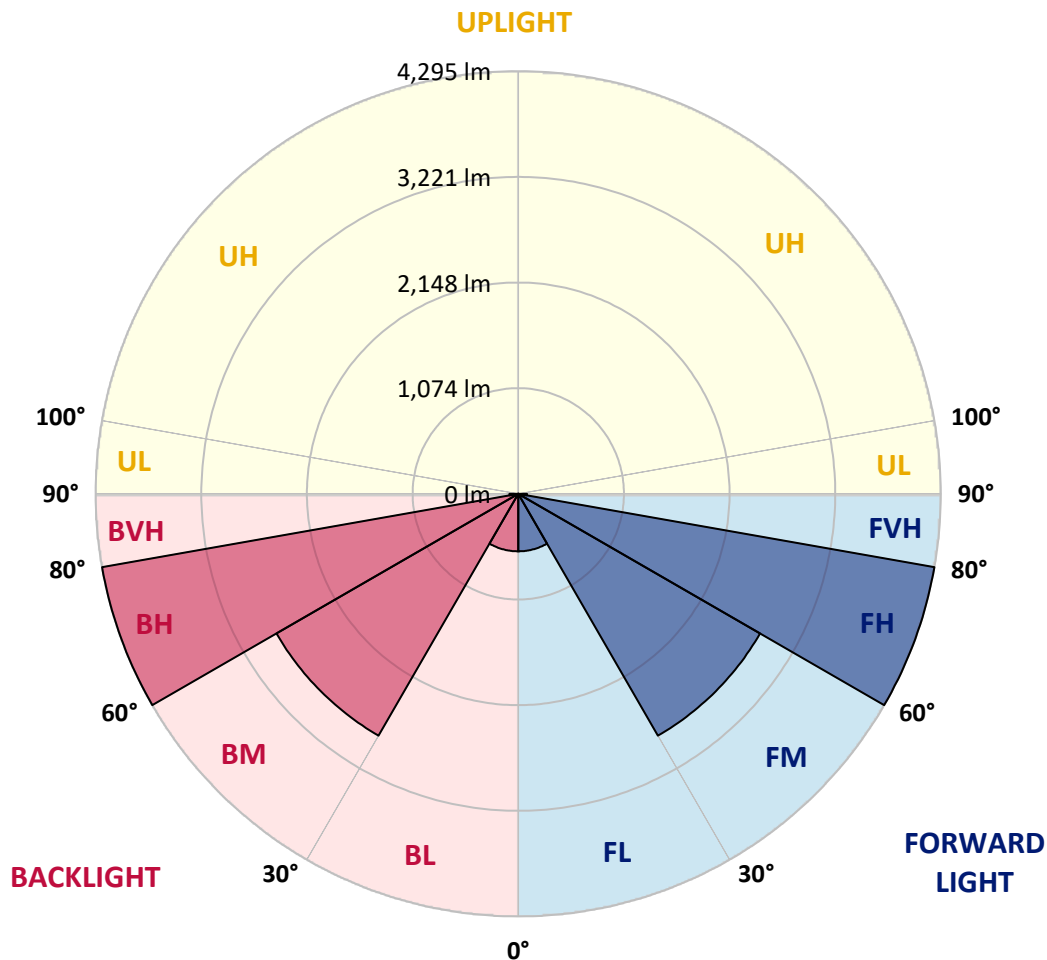
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.5	3.7			
FM (30°-60°)	2838.1	18.2			
FH (60°-80°)	4295.2	27.5			G2/5000
FVH (80°-90°)	89.2	0.6			G1/100
BL (0°-30°)	584.5	3.7	B2/1000		
BM (30°-60°)	2838.1	18.2	B3/5000		
BH (60°-80°)	4295.2	27.5	B4/5000		G2/5000
BVH (80°-90°)	89.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1424.3	1424.3	1424.3	1424.3	1424.3	1424.3	1424.3	1424.3	1424.3	1424.3
2.5°	1415.4	1419.4	1417.8	1414.6	1414.6	1412.1	1414.6	1416.2	1418.6	1420.3
5°	1396.7	1400.0	1399.2	1396.7	1397.5	1395.1	1396.7	1399.2	1400.8	1401.6
7.5°	1380.5	1383.7	1382.1	1378.1	1378.1	1375.6	1376.4	1378.9	1381.3	1382.1
10°	1376.4	1379.7	1374.8	1368.3	1365.9	1362.6	1363.4	1365.9	1370.7	1373.2
12.5°	1378.1	1380.5	1375.6	1365.9	1363.4	1360.2	1360.2	1362.6	1369.1	1372.4
15°	1382.9	1385.4	1378.1	1367.5	1365.1	1362.6	1361.8	1365.1	1372.4	1378.1
17.5°	1391.8	1394.3	1382.9	1368.3	1365.1	1365.9	1365.1	1367.5	1378.9	1389.4
20°	1400.0	1401.6	1386.2	1368.3	1365.1	1365.9	1365.1	1369.9	1384.5	1399.2
22.5°	1402.4	1404.0	1389.4	1374.0	1371.6	1372.4	1371.6	1376.4	1390.2	1404.8
25°	1403.2	1405.6	1394.3	1382.1	1386.2	1387.8	1386.2	1387.0	1397.5	1410.5
27.5°	1415.4	1418.6	1408.1	1397.5	1400.0	1399.2	1401.6	1404.0	1412.1	1425.1
30°	1440.5	1443.0	1434.1	1423.5	1421.9	1416.2	1423.5	1431.6	1440.5	1451.9
32.5°	1481.9	1486.8	1475.4	1464.1	1456.8	1453.5	1459.2	1473.0	1485.2	1497.4
35°	1550.9	1554.2	1543.6	1522.5	1509.5	1509.5	1514.4	1532.3	1551.7	1567.1
37.5°	1648.3	1652.4	1633.7	1608.5	1589.1	1589.1	1595.6	1614.2	1643.4	1665.3
40°	1766.8	1772.5	1748.9	1723.0	1704.3	1701.1	1709.2	1730.3	1757.9	1785.5
42.5°	1909.6	1916.1	1885.3	1862.6	1848.0	1848.0	1852.0	1871.5	1896.6	1930.7
45°	2092.2	2103.6	2061.4	2038.7	2024.9	2028.1	2030.6	2047.6	2070.3	2109.3
47.5°	2309.7	2321.1	2276.5	2252.9	2250.5	2265.9	2256.2	2268.3	2280.5	2325.2
50°	2556.5	2575.9	2545.1	2543.5	2548.3	2576.7	2554.0	2560.5	2546.7	2575.1
52.5°	2858.4	2886.8	2881.1	2890.8	2945.2	3003.6	2951.7	2929.0	2877.0	2886.0
55°	3224.4	3267.4	3275.5	3333.9	3457.3	3576.6	3466.2	3374.5	3264.1	3243.9
57.5°	3640.7	3674.8	3713.8	3833.1	4063.5	4275.4	4063.5	3860.7	3687.0	3645.6
60°	4088.7	4130.9	4168.2	4344.4	4686.8	4984.7	4680.3	4358.1	4128.5	4072.5
62.5°	4570.0	4624.3	4650.3	4845.9	5245.2	5600.7	5250.9	4860.5	4605.7	4545.6
65°	5031.8	5076.4	5105.6	5314.2	5695.6	6051.9	5721.6	5336.9	5074.8	4996.0
67.5°	5246.8	5271.2	5342.6	5578.8	5981.3	6387.9	6049.5	5603.9	5310.9	5173.0
70°	4931.9	4882.4	5054.5	5432.7	6015.4	6594.0	6093.3	5421.3	5062.6	4838.6
72.5°	3811.1	3725.9	4024.6	4671.4	5625.8	6462.6	5664.8	4707.9	4210.4	3756.0
75°	2073.6	1977.0	2389.3	3207.3	4486.4	5601.5	4589.4	3299.0	2660.3	2058.1
77.5°	585.1	548.6	881.4	1551.7	2698.5	3932.9	2802.4	1585.8	1045.3	620.0
80°	179.4	173.7	235.4	467.5	1145.9	1883.7	1101.3	473.1	299.5	189.1
82.5°	106.3	97.4	116.9	170.4	292.2	591.6	284.1	177.7	142.8	95.8
85°	60.9	56.8	69.0	82.8	98.2	125.8	82.0	84.4	76.3	51.1
87.5°	25.2	22.7	26.8	26.0	22.7	29.2	21.9	26.0	30.8	20.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1424.3
1419.4
1401.6
1382.1
1373.2
1373.2
1378.9
1389.4
1400.0
1404.8
1409.7
1421.9
1449.5
1492.5
1561.5
1657.2
1776.5
1928.3
2107.7
2312.2
2558.1
2855.9
3212.2
3616.4
4023.8
4496.9
4957.1
5174.6
4892.2
3868.8
2192.1
689.0
199.6
103.9
53.6
18.7
0.0

OF REPORT)