

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: P848541

Luminaire Tested: **GLAN-SB5A-930-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848541  
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-SB5A-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15463 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

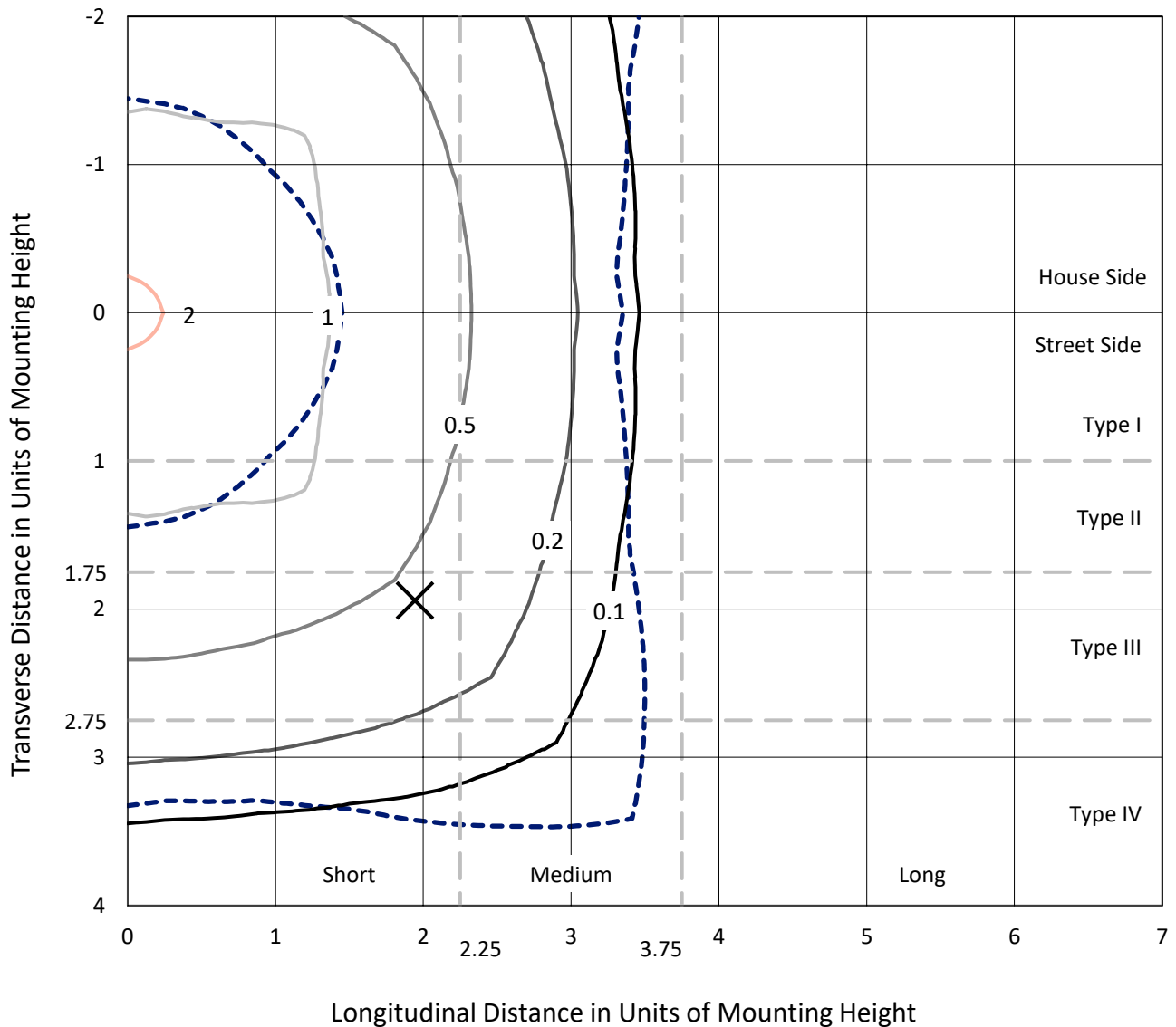
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

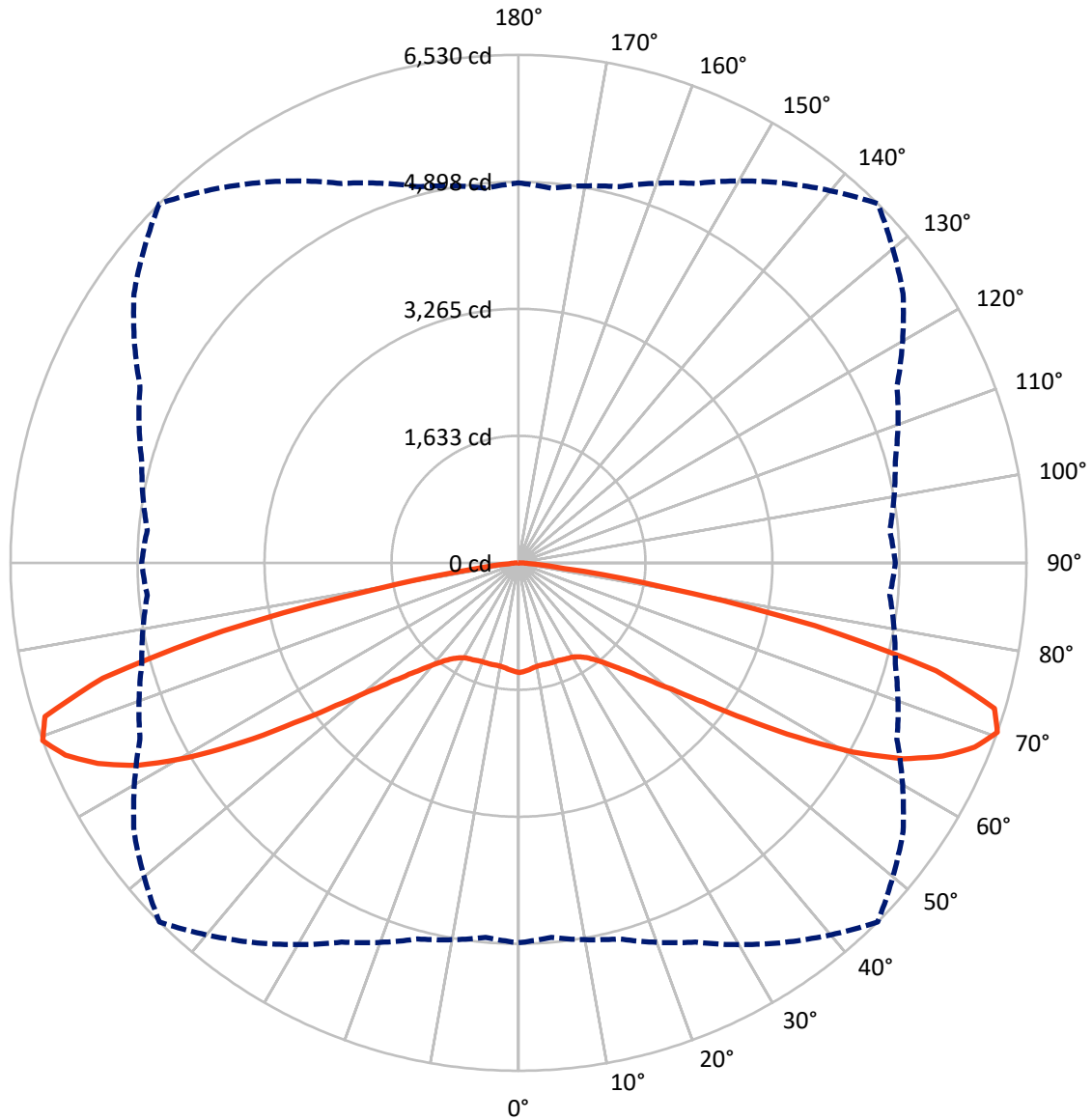
× Max cd  
 - - - 1/2 Max cd



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	7731.5	0.0	7731.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7731.5	0.0	7731.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15463.0	0.0	15463.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.2	0.8
10°-20°	385.3	2.5
20°-30°	641.2	4.1
30°-40°	969.6	6.3
40°-50°	1611.3	10.4
50°-60°	3040.4	19.7
60°-70°	5133.9	33.2
70°-80°	3373.5	21.8
80°-90°	176.7	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°	15463.0	100.0
0°-180°	15463.0	100.0

**Coefficient of Utilization**



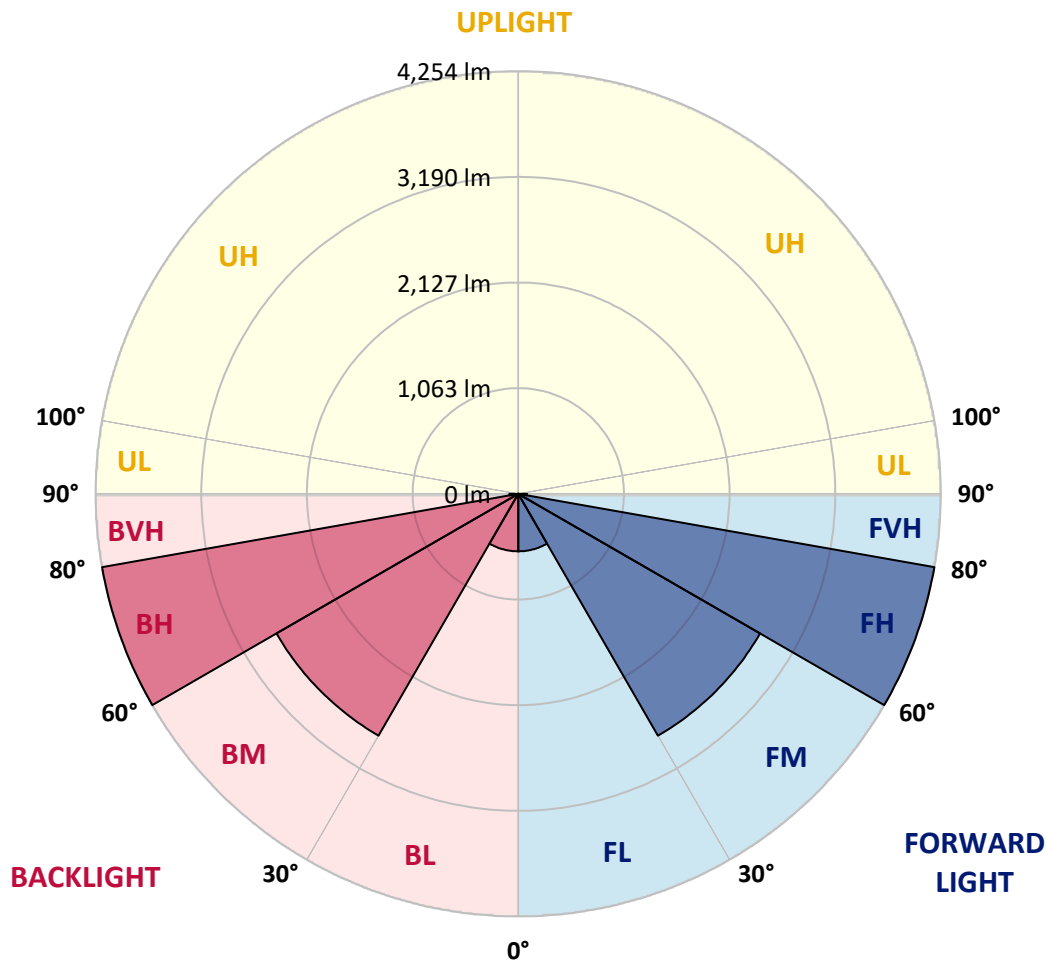
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.8	3.7			
FM (30°-60°)	2810.6	18.2			
FH (60°-80°)	4253.7	27.5			G2/5000
FVH (80°-90°)	88.4	0.6			G1/100
BL (0°-30°)	578.8	3.7	B2/1000		
BM (30°-60°)	2810.6	18.2	B3/5000		
BH (60°-80°)	4253.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	88.4	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°	1410.5	1410.5	1410.5	1410.5	1410.5	1410.5	1410.5	1410.5	1410.5	1410.5
2.5°	1401.7	1405.7	1404.1	1400.9	1400.9	1398.5	1400.9	1402.5	1404.9	1406.5
5°	1383.2	1386.4	1385.6	1383.2	1384.0	1381.6	1383.2	1385.6	1387.2	1388.0
7.5°	1367.1	1370.4	1368.7	1364.7	1364.7	1362.3	1363.1	1365.5	1367.9	1368.7
10°	1363.1	1366.3	1361.5	1355.1	1352.7	1349.5	1350.3	1352.7	1357.5	1359.9
12.5°	1364.7	1367.1	1362.3	1352.7	1350.3	1347.0	1347.0	1349.5	1355.9	1359.1
15°	1369.5	1372.0	1364.7	1354.3	1351.9	1349.5	1348.7	1351.9	1359.1	1364.7
17.5°	1378.4	1380.8	1369.5	1355.1	1351.9	1352.7	1351.9	1354.3	1365.5	1376.0
20°	1386.4	1388.0	1372.8	1355.1	1351.9	1352.7	1351.9	1356.7	1371.2	1385.6
22.5°	1388.8	1390.4	1376.0	1360.7	1358.3	1359.1	1358.3	1363.1	1376.8	1391.2
25°	1389.6	1392.1	1380.8	1368.7	1372.8	1374.4	1372.8	1373.6	1384.0	1396.9
27.5°	1401.7	1404.9	1394.5	1384.0	1386.4	1385.6	1388.0	1390.4	1398.5	1411.3
30°	1426.6	1429.0	1420.2	1409.7	1408.1	1402.5	1409.7	1417.8	1426.6	1437.9
32.5°	1467.6	1472.4	1461.2	1449.9	1442.7	1439.5	1445.1	1458.8	1470.8	1482.9
35°	1535.9	1539.1	1528.7	1507.8	1494.9	1494.9	1499.8	1517.4	1536.7	1552.0
37.5°	1632.4	1636.4	1617.9	1593.0	1573.7	1573.7	1580.1	1598.6	1627.5	1649.2
40°	1749.7	1755.3	1732.0	1706.3	1687.8	1684.6	1692.6	1713.5	1740.9	1768.2
42.5°	1891.2	1897.6	1867.1	1844.5	1830.1	1830.1	1834.1	1853.4	1878.3	1912.1
45°	2072.0	2083.3	2041.5	2019.0	2005.3	2008.5	2010.9	2027.8	2050.3	2088.9
47.5°	2287.4	2298.7	2254.4	2231.1	2228.7	2244.0	2234.4	2246.4	2258.5	2302.7
50°	2531.7	2551.0	2520.5	2518.9	2523.7	2551.8	2529.3	2535.8	2522.1	2550.2
52.5°	2830.7	2858.8	2853.2	2862.9	2916.7	2974.6	2923.1	2900.6	2849.2	2858.0
55°	3193.2	3235.8	3243.8	3301.7	3423.9	3542.0	3432.7	3341.9	3232.6	3212.5
57.5°	3605.5	3639.3	3677.8	3796.0	4024.2	4234.0	4024.2	3823.3	3651.3	3610.3
60°	4049.2	4091.0	4127.9	4302.3	4641.5	4936.5	4635.1	4316.0	4088.5	4033.1
62.5°	4525.8	4579.6	4605.3	4799.0	5194.5	5546.5	5200.1	4813.5	4561.1	4501.7
65°	4983.1	5027.3	5056.2	5262.8	5640.5	5993.4	5666.3	5285.3	5025.7	4947.7
67.5°	5196.1	5220.2	5290.9	5524.8	5923.5	6326.1	5991.0	5549.7	5259.6	5122.9
70°	4884.2	4835.2	5005.6	5380.1	5957.2	6530.3	6034.4	5368.9	5013.6	4791.8
72.5°	3774.3	3689.9	3985.7	4626.2	5571.4	6400.1	5610.0	4662.4	4169.7	3719.6
75°	2053.5	1957.9	2366.2	3176.3	4443.0	5547.3	4545.1	3267.1	2634.6	2038.2
77.5°	579.5	543.3	872.8	1536.7	2672.4	3894.9	2775.3	1570.5	1035.2	614.0
80°	177.6	172.0	233.1	462.9	1134.9	1865.4	1090.7	468.6	296.6	187.3
82.5°	105.3	96.4	115.7	168.8	289.3	585.9	281.3	176.0	141.5	94.8
85°	60.3	56.3	68.3	82.0	97.3	124.6	81.2	83.6	75.6	50.6
87.5°	24.9	22.5	26.5	25.7	22.5	28.9	21.7	25.7	30.5	20.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1410.5
1405.7
1388.0
1368.7
1359.9
1359.9
1365.5
1376.0
1386.4
1391.2
1396.1
1408.1
1435.5
1478.0
1546.4
1641.2
1759.4
1909.6
2087.3
2289.8
2533.3
2828.3
3181.1
3581.4
3984.9
4453.4
4909.2
5124.5
4844.9
3831.4
2170.9
682.4
197.7
102.9
53.0
18.5
0.0

OF REPORT)