

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: P848031

Luminaire Tested: **GLAN-SB4B-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848031
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-SB4B-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15401 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

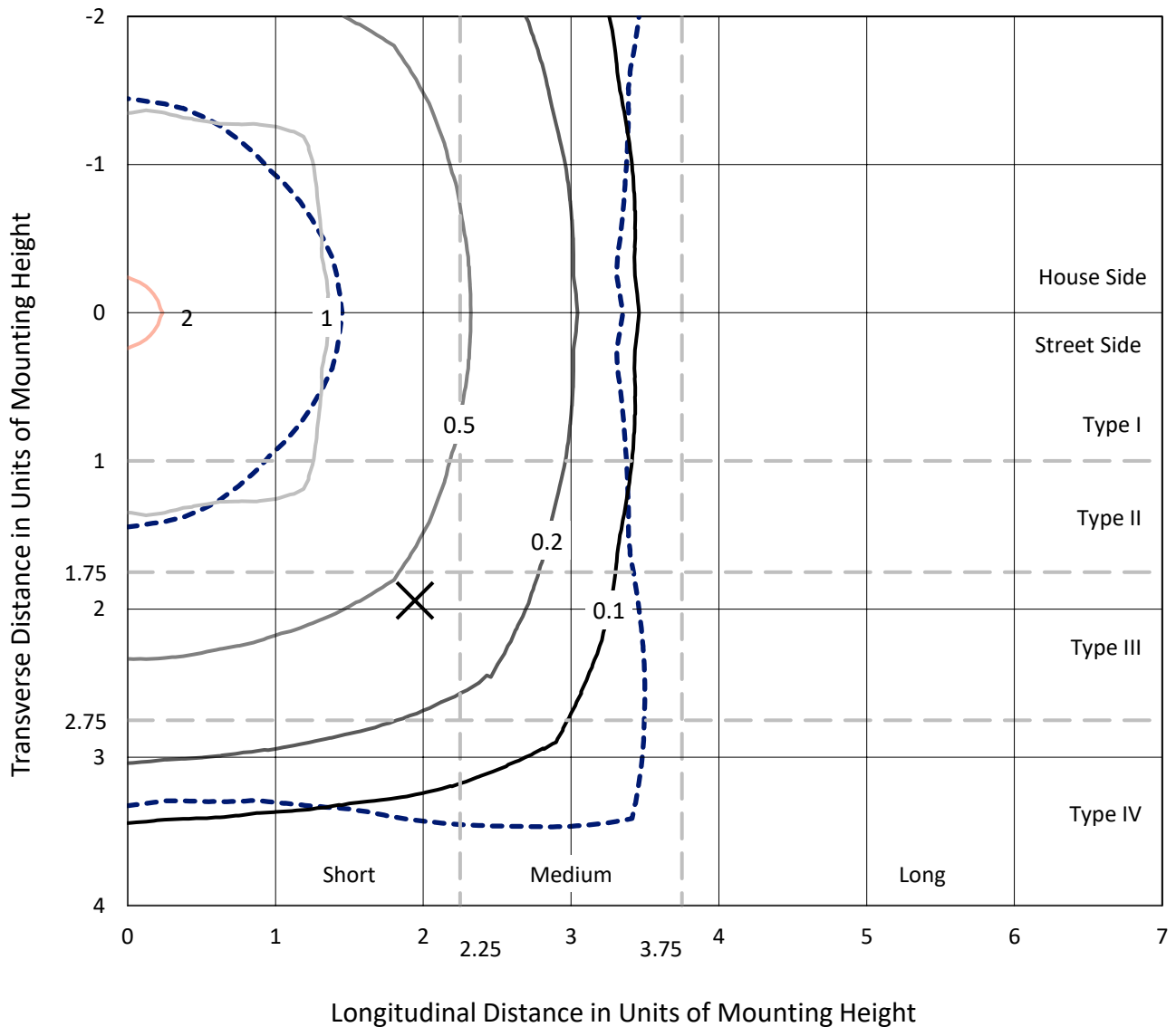
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

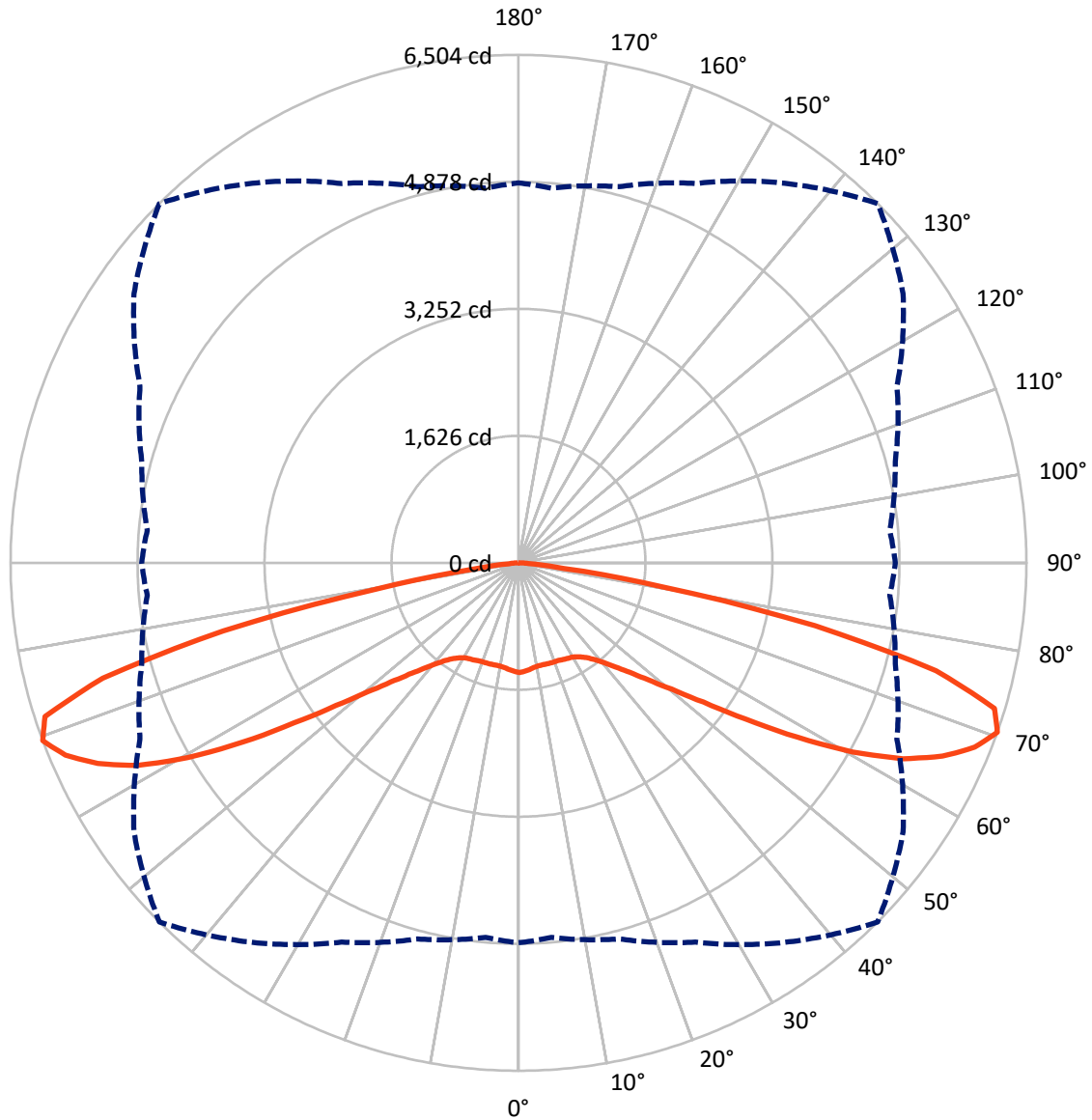
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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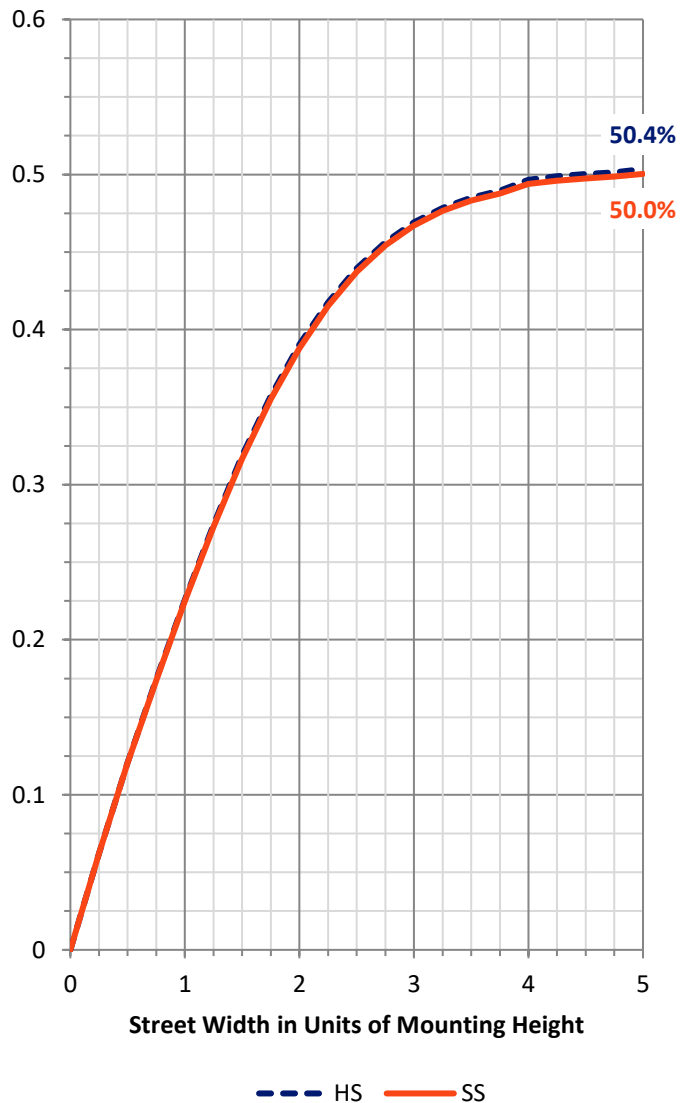
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7700.5	0.0	7700.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7700.5	0.0	7700.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15401.0	0.0	15401.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	0.8
10°-20°	383.7	2.5
20°-30°	638.6	4.1
30°-40°	965.7	6.3
40°-50°	1604.8	10.4
50°-60°	3028.2	19.7
60°-70°	5113.3	33.2
70°-80°	3359.9	21.8
80°-90°	176.0	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°	15401.0	100.0
0°-180°	15401.0	100.0

Coefficient of Utilization



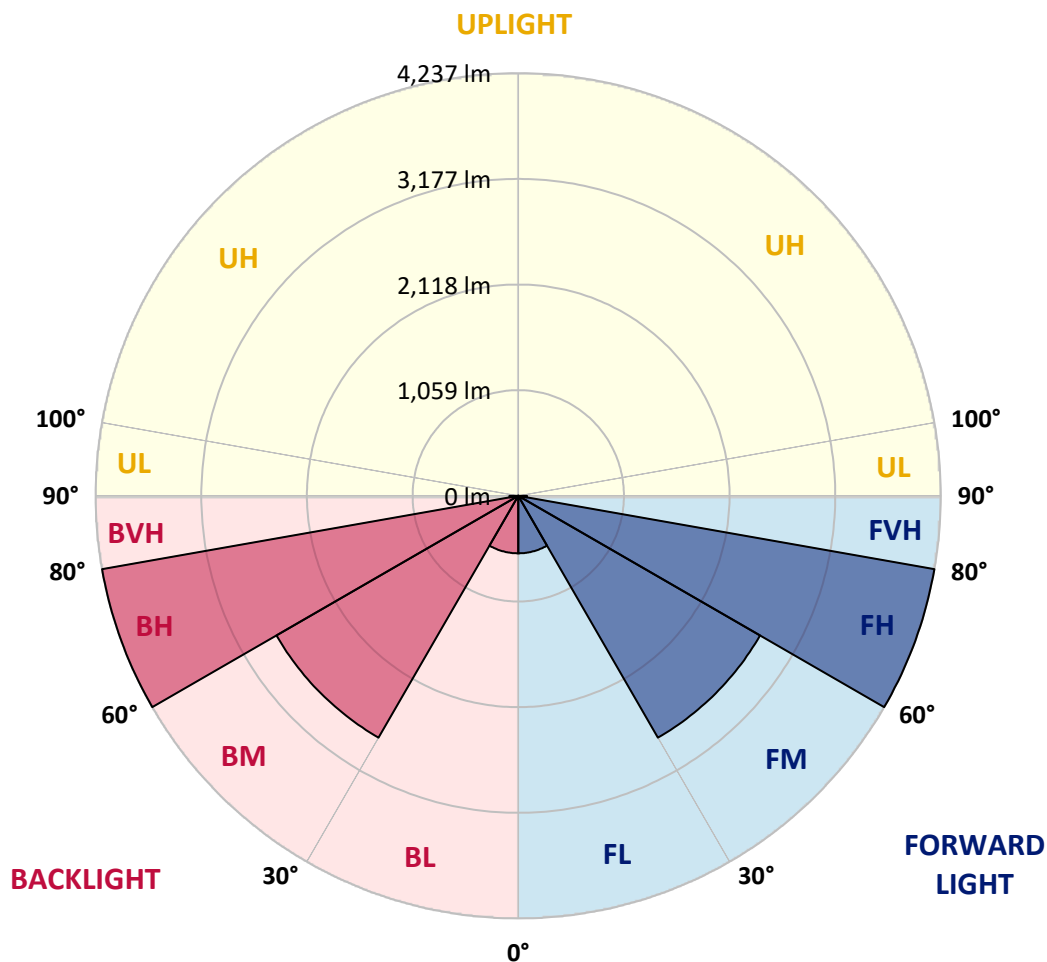
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	576.5	3.7			
FM (30°-60°)	2799.4	18.2			
FH (60°-80°)	4236.6	27.5			G2/5000
FVH (80°-90°)	88.0	0.6			G1/100
BL (0°-30°)	576.5	3.7	B2/1000		
BM (30°-60°)	2799.4	18.2	B3/5000		
BH (60°-80°)	4236.6	27.5	B4/5000		G2/5000
BVH (80°-90°)	88.0	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°	1404.9	1404.9	1404.9	1404.9	1404.9	1404.9	1404.9	1404.9	1404.9	1404.9
2.5°	1396.1	1400.1	1398.5	1395.3	1395.3	1392.9	1395.3	1396.9	1399.3	1400.9
5°	1377.7	1380.9	1380.1	1377.7	1378.5	1376.1	1377.7	1380.1	1381.7	1382.5
7.5°	1361.7	1364.9	1363.3	1359.3	1359.3	1356.9	1357.7	1360.1	1362.5	1363.3
10°	1357.7	1360.9	1356.1	1349.6	1347.2	1344.0	1344.8	1347.2	1352.0	1354.4
12.5°	1359.3	1361.7	1356.9	1347.2	1344.8	1341.6	1341.6	1344.0	1350.4	1353.6
15°	1364.1	1366.5	1359.3	1348.8	1346.4	1344.0	1343.2	1346.4	1353.6	1359.3
17.5°	1372.9	1375.3	1364.1	1349.6	1346.4	1347.2	1346.4	1348.8	1360.1	1370.5
20°	1380.9	1382.5	1367.3	1349.6	1346.4	1347.2	1346.4	1351.2	1365.7	1380.1
22.5°	1383.3	1384.9	1370.5	1355.3	1352.8	1353.6	1352.8	1357.7	1371.3	1385.7
25°	1384.1	1386.5	1375.3	1363.3	1367.3	1368.9	1367.3	1368.1	1378.5	1391.3
27.5°	1396.1	1399.3	1388.9	1378.5	1380.9	1380.1	1382.5	1384.9	1392.9	1405.7
30°	1420.9	1423.3	1414.5	1404.1	1402.5	1396.9	1404.1	1412.1	1420.9	1432.1
32.5°	1461.7	1466.5	1455.3	1444.1	1436.9	1433.7	1439.3	1452.9	1464.9	1476.9
35°	1529.8	1533.0	1522.6	1501.7	1488.9	1488.9	1493.7	1511.3	1530.6	1545.8
37.5°	1625.8	1629.8	1611.4	1586.6	1567.4	1567.4	1573.8	1592.2	1621.0	1642.6
40°	1742.7	1748.3	1725.1	1699.5	1681.1	1677.9	1685.9	1706.7	1733.9	1761.1
42.5°	1883.6	1890.0	1859.6	1837.2	1822.7	1822.7	1826.7	1846.0	1870.8	1904.4
45°	2063.7	2074.9	2033.3	2010.9	1997.3	2000.5	2002.9	2019.7	2042.1	2080.5
47.5°	2278.2	2289.4	2245.4	2222.2	2219.8	2235.0	2225.4	2237.4	2249.4	2293.4
50°	2521.6	2540.8	2510.4	2508.8	2513.6	2541.6	2519.2	2525.6	2512.0	2540.0
52.5°	2819.4	2847.4	2841.8	2851.4	2905.0	2962.7	2911.4	2889.0	2837.8	2846.6
55°	3180.4	3222.8	3230.8	3288.5	3410.1	3527.8	3418.9	3328.5	3219.6	3199.6
57.5°	3591.1	3624.7	3663.1	3780.8	4008.1	4217.0	4008.1	3808.0	3636.7	3595.9
60°	4032.9	4074.6	4111.4	4285.1	4622.9	4916.7	4616.5	4298.7	4072.2	4016.9
62.5°	4507.6	4561.3	4586.9	4779.8	5173.6	5524.3	5179.2	4794.2	4542.8	4483.6
65°	4963.1	5007.1	5036.0	5241.7	5617.9	5969.3	5643.5	5264.1	5005.5	4927.9
67.5°	5175.2	5199.3	5269.7	5502.7	5899.7	6300.8	5966.9	5527.5	5238.5	5102.4
70°	4864.7	4815.8	4985.5	5358.6	5933.3	6504.1	6010.2	5347.4	4993.5	4772.6
72.5°	3759.2	3675.1	3969.7	4607.7	5549.1	6374.4	5587.5	4643.7	4153.0	3704.7
75°	2045.3	1950.0	2356.7	3163.6	4425.2	5525.1	4526.8	3254.0	2624.0	2030.1
77.5°	577.2	541.1	869.3	1530.6	2661.7	3879.2	2764.1	1564.2	1031.0	611.6
80°	176.9	171.3	232.1	461.1	1130.3	1858.0	1086.3	466.7	295.4	186.5
82.5°	104.9	96.1	115.3	168.1	288.2	583.6	280.2	175.3	140.9	94.5
85°	60.0	56.0	68.0	81.7	96.9	124.1	80.9	83.3	75.2	50.4
87.5°	24.8	22.4	26.4	25.6	22.4	28.8	21.6	25.6	30.4	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1404.9
1400.1
1382.5
1363.3
1354.4
1354.4
1360.1
1370.5
1380.9
1385.7
1390.5
1402.5
1429.7
1472.1
1540.2
1634.6
1752.3
1902.0
2078.9
2280.6
2523.2
2817.0
3168.4
3567.0
3968.9
4435.6
4889.5
5104.0
4825.4
3816.0
2162.2
679.6
196.9
102.5
52.8
18.4
0.0

OF REPORT)