

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: P848021

Luminaire Tested: **GLAN-SB4B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848021
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-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14701 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

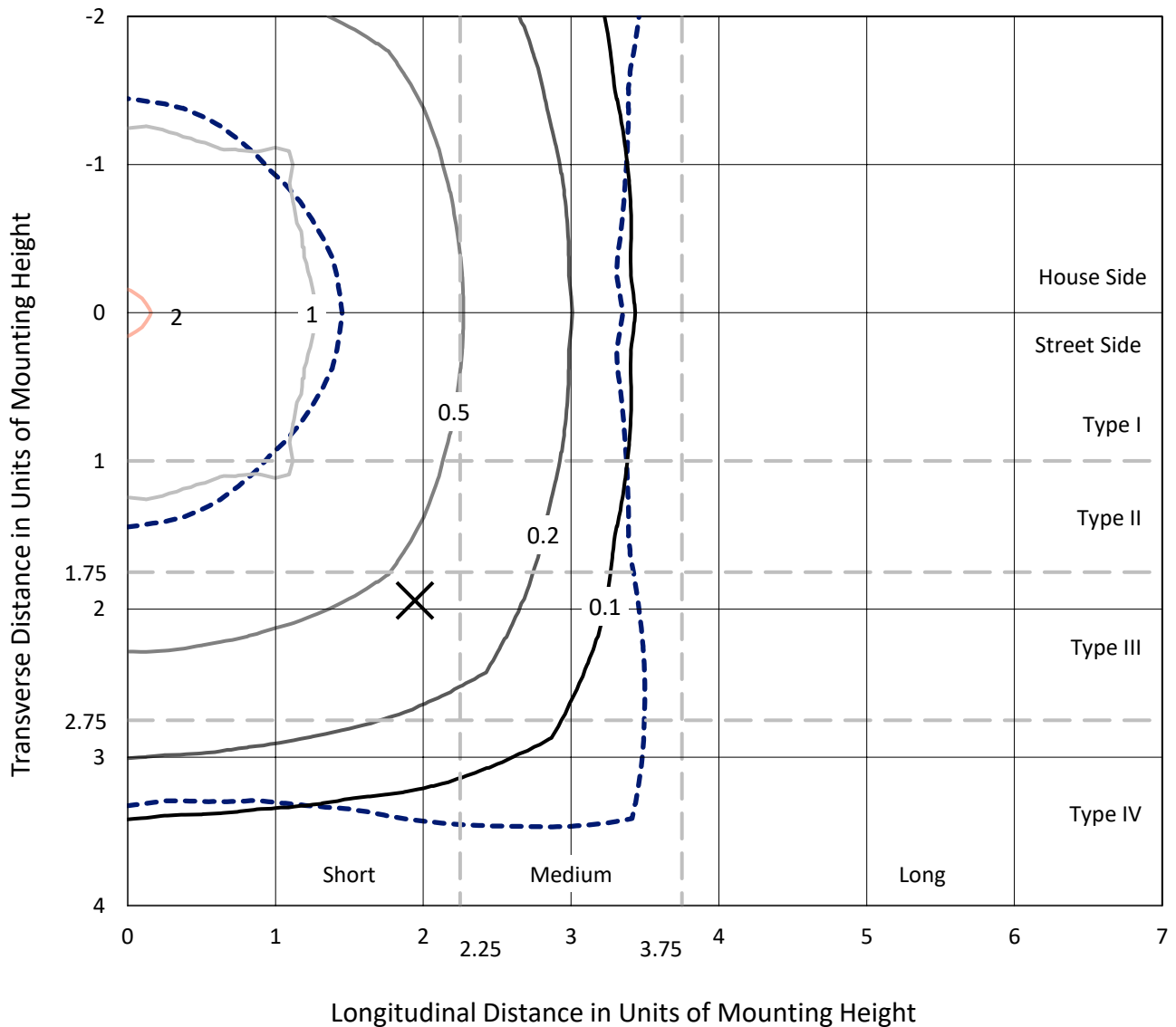
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

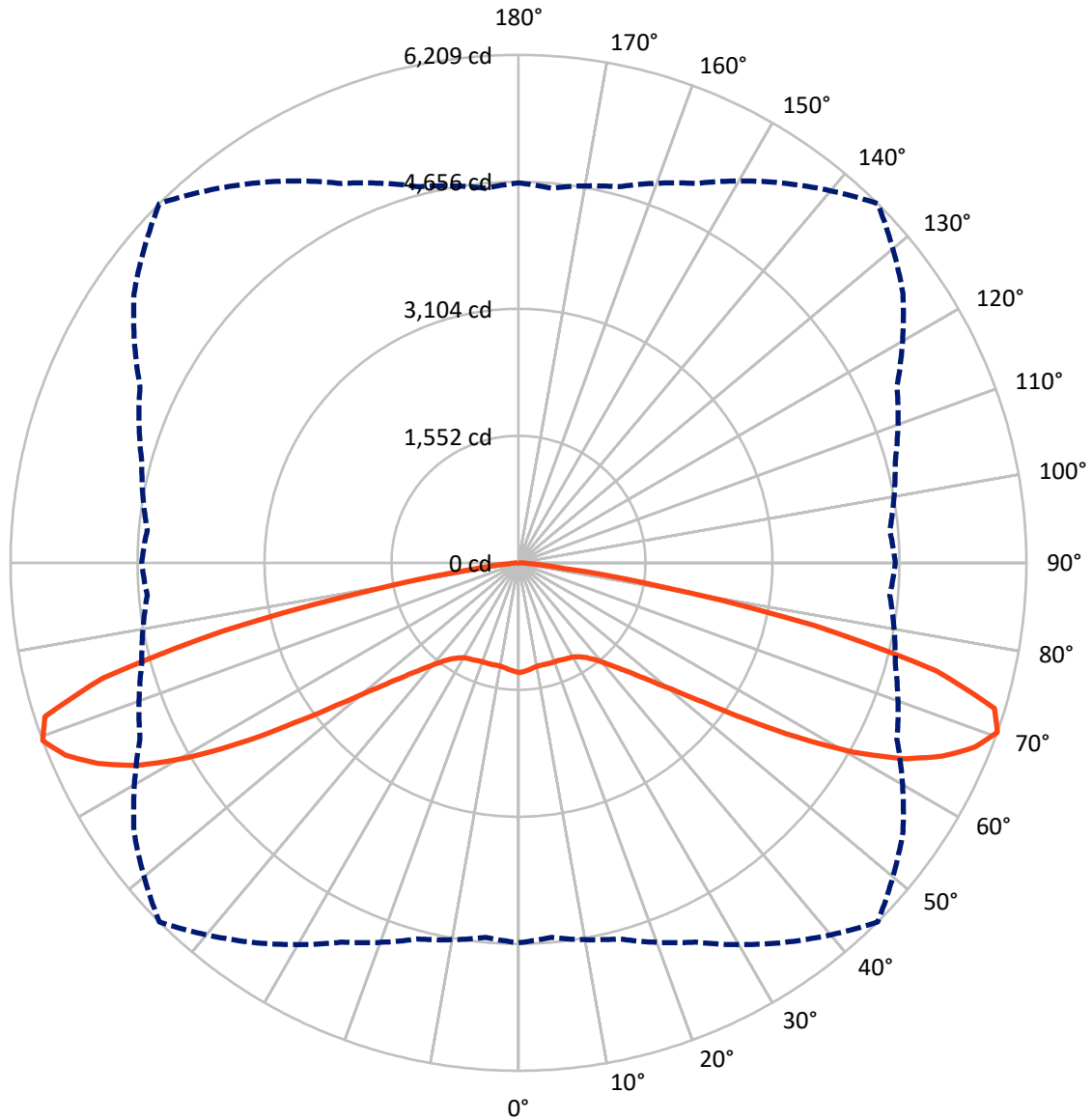
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	7350.5	0.0	7350.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7350.5	0.0	7350.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14701.0	0.0	14701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.7	0.8
10°-20°	366.3	2.5
20°-30°	609.6	4.1
30°-40°	921.8	6.3
40°-50°	1531.9	10.4
50°-60°	2890.6	19.7
60°-70°	4880.9	33.2
70°-80°	3207.2	21.8
80°-90°	168.0	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°	14701.0	100.0
0°-180°	14701.0	100.0

Coefficient of Utilization



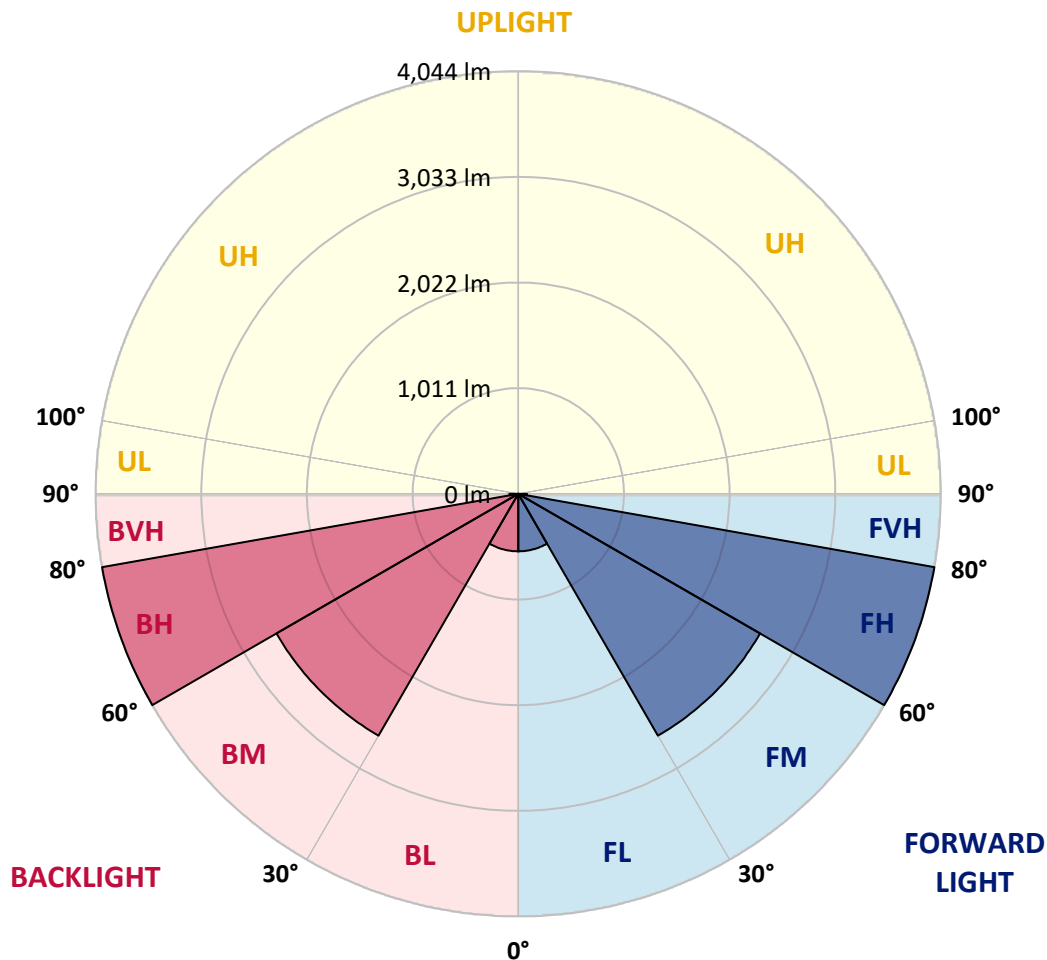
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	550.3	3.7			
FM (30°-60°)	2672.1	18.2			
FH (60°-80°)	4044.0	27.5			G2/5000
FVH (80°-90°)	84.0	0.6			G1/100
BL (0°-30°)	550.3	3.7	B2/1000		
BM (30°-60°)	2672.1	18.2	B3/5000		
BH (60°-80°)	4044.0	27.5	B4/5000		G2/5000
BVH (80°-90°)	84.0	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°	1341.0	1341.0	1341.0	1341.0	1341.0	1341.0	1341.0	1341.0	1341.0	1341.0
2.5°	1332.6	1336.4	1334.9	1331.9	1331.9	1329.6	1331.9	1333.4	1335.7	1337.2
5°	1315.0	1318.1	1317.3	1315.0	1315.8	1313.5	1315.0	1317.3	1318.9	1319.6
7.5°	1299.8	1302.8	1301.3	1297.5	1297.5	1295.2	1295.9	1298.2	1300.5	1301.3
10°	1295.9	1299.0	1294.4	1288.3	1286.0	1283.0	1283.7	1286.0	1290.6	1292.9
12.5°	1297.5	1299.8	1295.2	1286.0	1283.7	1280.7	1280.7	1283.0	1289.1	1292.1
15°	1302.1	1304.3	1297.5	1287.5	1285.2	1283.0	1282.2	1285.2	1292.1	1297.5
17.5°	1310.5	1312.8	1302.1	1288.3	1285.2	1286.0	1285.2	1287.5	1298.2	1308.2
20°	1318.1	1319.6	1305.1	1288.3	1285.2	1286.0	1285.2	1289.8	1303.6	1317.3
22.5°	1320.4	1321.9	1308.2	1293.7	1291.4	1292.1	1291.4	1295.9	1308.9	1322.7
25°	1321.2	1323.5	1312.8	1301.3	1305.1	1306.6	1305.1	1305.9	1315.8	1328.0
27.5°	1332.6	1335.7	1325.7	1315.8	1318.1	1317.3	1319.6	1321.9	1329.6	1341.8
30°	1356.3	1358.6	1350.2	1340.3	1338.7	1333.4	1340.3	1347.9	1356.3	1367.0
32.5°	1395.3	1399.9	1389.2	1378.5	1371.6	1368.5	1373.9	1386.9	1398.3	1409.8
35°	1460.2	1463.3	1453.4	1433.5	1421.3	1421.3	1425.8	1442.7	1461.0	1475.5
37.5°	1551.9	1555.7	1538.2	1514.5	1496.1	1496.1	1502.3	1519.8	1547.3	1568.0
40°	1663.5	1668.8	1646.7	1622.2	1604.6	1601.6	1609.2	1629.1	1655.1	1681.1
42.5°	1798.0	1804.1	1775.0	1753.7	1739.9	1739.9	1743.7	1762.1	1785.7	1817.8
45°	1969.9	1980.6	1940.9	1919.5	1906.5	1909.5	1911.8	1927.9	1949.3	1985.9
47.5°	2174.7	2185.4	2143.4	2121.2	2118.9	2133.4	2124.2	2135.7	2147.2	2189.2
50°	2407.0	2425.3	2396.3	2394.7	2399.3	2426.1	2404.7	2410.8	2397.8	2424.5
52.5°	2691.2	2718.0	2712.6	2721.8	2773.0	2828.0	2779.1	2757.7	2708.8	2717.2
55°	3035.8	3076.3	3084.0	3139.0	3255.1	3367.5	3263.5	3177.2	3073.3	3054.2
57.5°	3427.8	3459.9	3496.6	3608.9	3825.9	4025.4	3825.9	3634.9	3471.4	3432.4
60°	3849.6	3889.4	3924.5	4090.3	4412.8	4693.2	4406.7	4103.3	3887.1	3834.3
62.5°	4302.7	4353.9	4378.4	4562.5	4938.5	5273.2	4943.8	4576.3	4336.4	4279.8
65°	4737.5	4779.6	4807.1	5003.4	5362.6	5698.0	5387.0	5024.8	4778.0	4703.9
67.5°	4940.0	4962.9	5030.2	5252.5	5631.6	6014.4	5695.7	5276.2	5000.4	4870.5
70°	4643.5	4596.9	4758.9	5115.0	5663.6	6208.5	5737.0	5104.3	4766.6	4555.7
72.5°	3588.3	3508.1	3789.3	4398.3	5296.9	6084.7	5333.5	4432.6	3964.2	3536.3
75°	1952.3	1861.4	2249.6	3019.8	4224.0	5273.9	4321.1	3106.1	2504.8	1937.8
77.5°	550.9	516.5	829.8	1461.0	2540.7	3702.9	2638.5	1493.1	984.2	583.8
80°	168.9	163.5	221.6	440.1	1078.9	1773.5	1036.9	445.5	282.0	178.0
82.5°	100.1	91.7	110.0	160.5	275.1	557.0	267.4	167.3	134.5	90.2
85°	57.3	53.5	65.0	77.9	92.5	118.4	77.2	79.5	71.8	48.1
87.5°	23.7	21.4	25.2	24.5	21.4	27.5	20.6	24.5	29.0	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1341.0
1336.4
1319.6
1301.3
1292.9
1292.9
1298.2
1308.2
1318.1
1322.7
1327.3
1338.7
1364.7
1405.2
1470.2
1560.3
1672.7
1815.5
1984.4
2177.0
2408.5
2688.9
3024.4
3404.9
3788.5
4234.0
4667.2
4872.0
4606.1
3642.6
2063.9
648.7
188.0
97.8
50.4
17.6
0.0

OF REPORT)