

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: P960288

Luminaire Tested: **NVN-SB1C-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1C-727-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7045.8 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

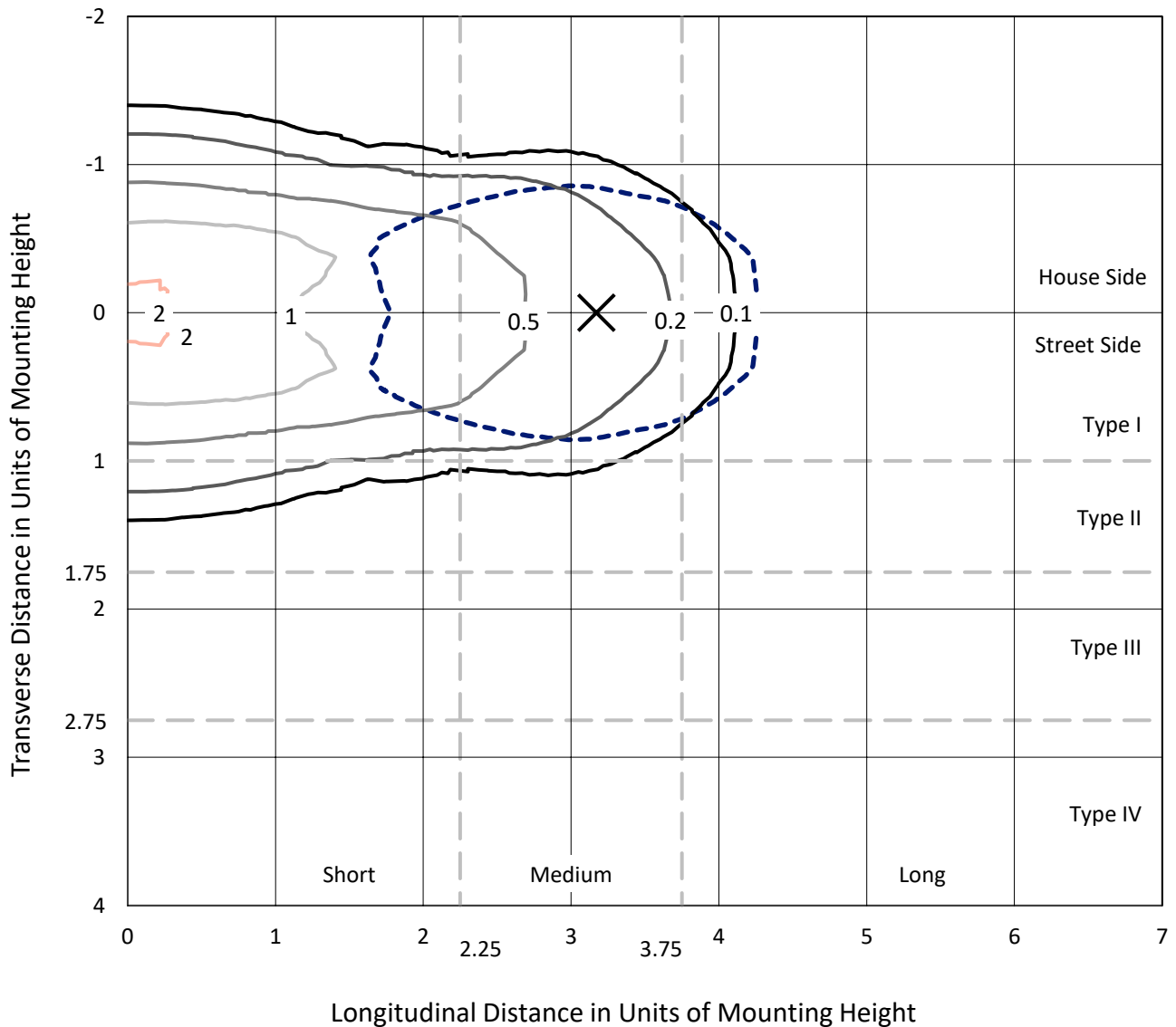
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

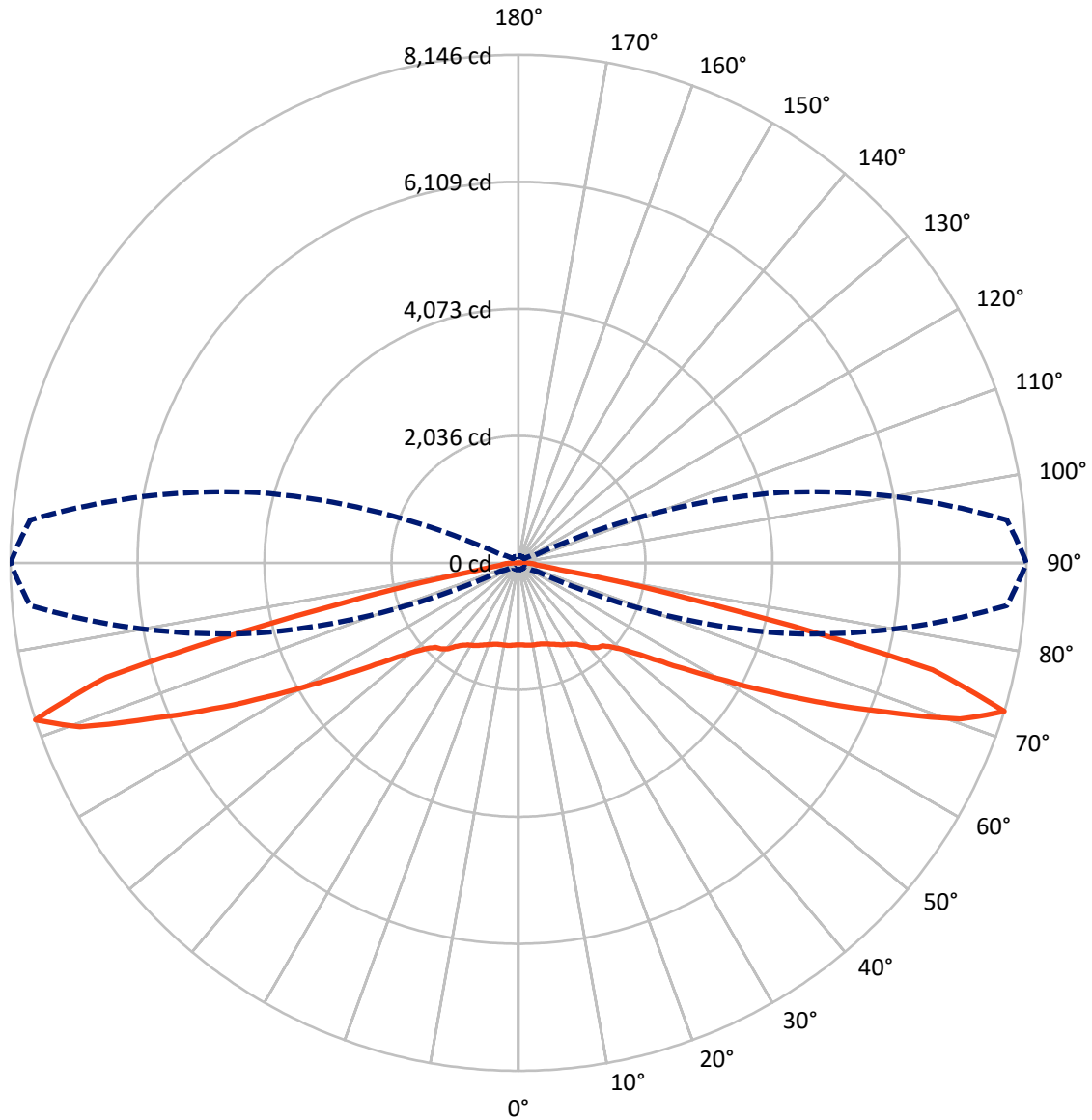
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type 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 | 3522.9 | 0.0 | 3522.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3522.9 | 0.0 | 3522.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7045.8 | 0.0 | 7045.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.7 | 1.8 |
| 10°-20° | 390.3 | 5.5 |
| 20°-30° | 650.8 | 9.2 |
| 30°-40° | 895.1 | 12.7 |
| 40°-50° | 1093.2 | 15.5 |
| 50°-60° | 1264.4 | 17.9 |
| 60°-70° | 1507.6 | 21.4 |
| 70°-80° | 1052.2 | 14.9 |
| 80°-90° | 64.6 | 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° | 7045.8 | 100.0 |
| 0°-180° | 7045.8 | 100.0 |

Coefficient of Utilization



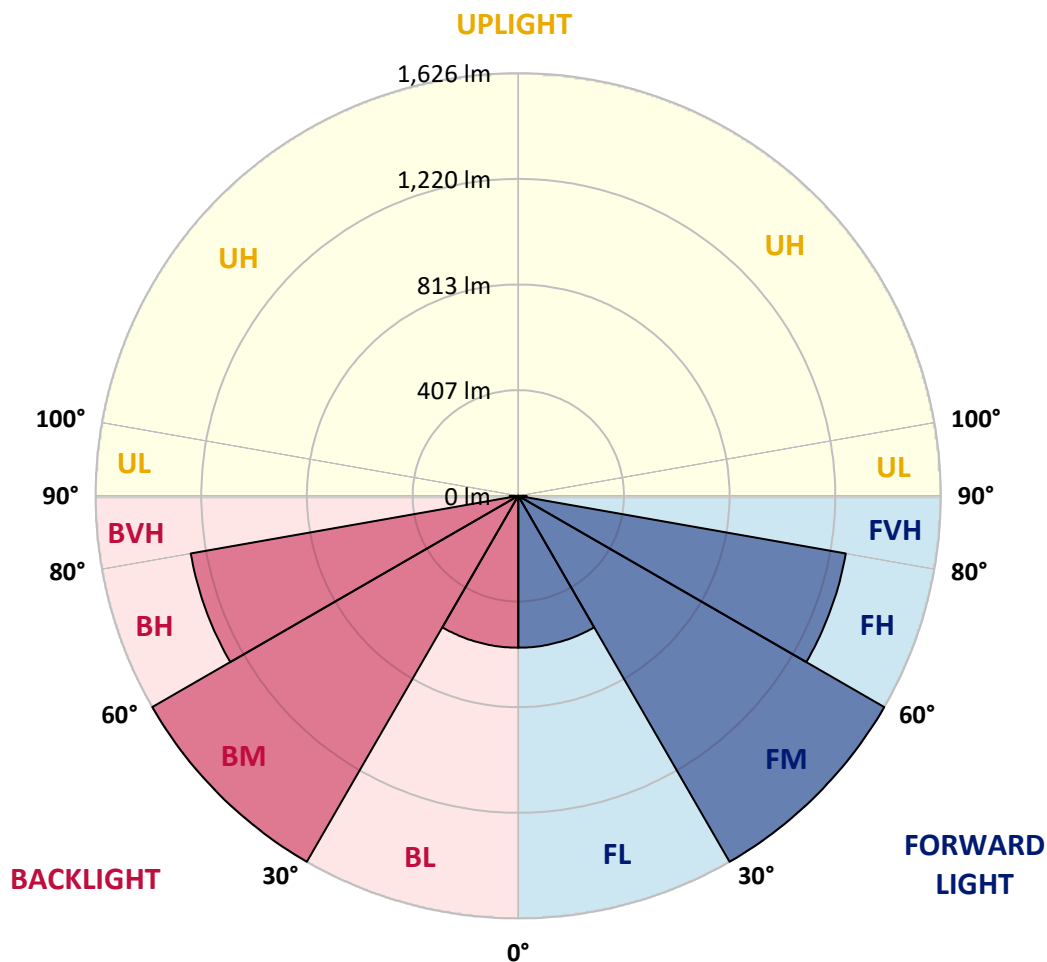
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 584.4 | 8.3 | | | |
| FM | (30°-60°) | 1626.3 | 23.1 | | | |
| FH | (60°-80°) | 1279.9 | 18.2 | | | G1/1800 |
| FVH | (80°-90°) | 32.3 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 584.4 | 8.3 | B2/1000 | | |
| BM | (30°-60°) | 1626.3 | 23.1 | B2/2500 | | |
| BH | (60°-80°) | 1279.9 | 18.2 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 32.3 | 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° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 | 1316.6 |
| 2.5° | 1317.7 | 1319.2 | 1319.2 | 1318.0 | 1320.7 | 1318.5 | 1318.5 | 1317.3 | 1318.5 | 1317.3 | 1317.3 |
| 5° | 1324.5 | 1326.4 | 1327.1 | 1326.7 | 1330.0 | 1328.2 | 1328.2 | 1326.7 | 1327.1 | 1325.9 | 1325.9 |
| 7.5° | 1337.2 | 1339.8 | 1341.3 | 1343.2 | 1348.1 | 1345.8 | 1344.3 | 1339.8 | 1337.9 | 1335.0 | 1335.0 |
| 10° | 1341.3 | 1344.3 | 1349.2 | 1358.9 | 1370.1 | 1370.5 | 1366.0 | 1354.7 | 1346.1 | 1339.5 | 1338.3 |
| 12.5° | 1328.6 | 1332.7 | 1342.9 | 1362.6 | 1387.7 | 1397.9 | 1390.7 | 1372.0 | 1355.2 | 1343.2 | 1341.3 |
| 15° | 1312.5 | 1316.9 | 1332.3 | 1362.2 | 1399.3 | 1422.9 | 1422.2 | 1397.5 | 1370.5 | 1351.8 | 1348.8 |
| 17.5° | 1287.4 | 1291.9 | 1313.9 | 1355.9 | 1408.4 | 1447.3 | 1457.8 | 1432.3 | 1394.5 | 1369.4 | 1365.3 |
| 20° | 1242.1 | 1246.2 | 1276.9 | 1335.7 | 1411.3 | 1473.1 | 1500.5 | 1477.9 | 1430.8 | 1396.8 | 1390.3 |
| 22.5° | 1183.3 | 1189.6 | 1225.6 | 1300.8 | 1404.2 | 1500.1 | 1549.1 | 1533.8 | 1473.1 | 1426.0 | 1417.4 |
| 25° | 1120.3 | 1127.1 | 1169.0 | 1258.2 | 1385.9 | 1519.6 | 1606.8 | 1597.1 | 1521.0 | 1462.3 | 1450.3 |
| 27.5° | 1066.1 | 1073.2 | 1118.9 | 1215.9 | 1357.4 | 1527.0 | 1663.7 | 1668.6 | 1579.1 | 1502.3 | 1489.6 |
| 30° | 1023.4 | 1030.1 | 1078.8 | 1181.8 | 1320.7 | 1519.6 | 1713.5 | 1747.2 | 1638.3 | 1537.2 | 1518.8 |
| 32.5° | 976.6 | 985.2 | 1036.5 | 1140.2 | 1277.3 | 1501.5 | 1757.0 | 1832.2 | 1706.7 | 1574.6 | 1551.3 |
| 35° | 917.4 | 925.3 | 979.2 | 1083.3 | 1220.4 | 1472.7 | 1793.2 | 1926.6 | 1804.9 | 1631.5 | 1605.7 |
| 37.5° | 845.5 | 853.0 | 906.5 | 1012.2 | 1163.8 | 1432.3 | 1821.0 | 2032.9 | 1921.7 | 1713.5 | 1679.1 |
| 40° | 773.3 | 780.3 | 830.6 | 932.7 | 1096.0 | 1380.6 | 1830.8 | 2137.0 | 2055.7 | 1826.2 | 1789.5 |
| 42.5° | 706.9 | 713.3 | 759.4 | 854.5 | 1020.0 | 1314.8 | 1817.9 | 2227.6 | 2176.0 | 1904.9 | 1857.7 |
| 45° | 646.0 | 651.6 | 692.4 | 781.2 | 941.1 | 1234.6 | 1779.8 | 2325.0 | 2319.1 | 1961.0 | 1897.4 |
| 47.5° | 576.3 | 581.9 | 624.2 | 710.0 | 862.0 | 1140.6 | 1715.0 | 2420.8 | 2517.8 | 2088.3 | 2014.9 |
| 50° | 491.3 | 496.2 | 539.6 | 627.9 | 780.0 | 1040.6 | 1625.1 | 2496.2 | 2768.7 | 2281.2 | 2189.1 |
| 52.5° | 390.5 | 395.8 | 438.1 | 526.4 | 682.6 | 933.2 | 1506.9 | 2545.2 | 3058.6 | 2562.8 | 2449.3 |
| 55° | 290.6 | 294.3 | 331.0 | 410.4 | 562.1 | 810.7 | 1358.5 | 2559.0 | 3387.3 | 2947.7 | 2805.8 |
| 57.5° | 210.8 | 213.1 | 236.7 | 295.8 | 426.1 | 657.5 | 1178.4 | 2523.1 | 3778.7 | 3441.2 | 3262.7 |
| 60° | 170.8 | 171.5 | 178.7 | 204.8 | 296.2 | 484.5 | 960.8 | 2399.5 | 4203.3 | 4077.4 | 3852.5 |
| 62.5° | 155.0 | 155.0 | 156.9 | 164.0 | 200.3 | 319.8 | 697.6 | 2143.4 | 4658.6 | 4881.5 | 4580.0 |
| 65° | 144.1 | 144.1 | 144.9 | 148.3 | 158.1 | 203.7 | 440.3 | 1726.2 | 5042.5 | 5823.2 | 5442.0 |
| 67.5° | 134.5 | 134.8 | 134.5 | 135.5 | 141.1 | 150.6 | 255.4 | 1192.3 | 5249.1 | 6799.0 | 6387.5 |
| 70° | 124.3 | 125.0 | 123.2 | 123.2 | 127.7 | 128.0 | 159.9 | 653.8 | 5077.6 | 7616.9 | 7508.6 |
| 72.5° | 112.3 | 113.5 | 110.5 | 109.7 | 113.1 | 111.6 | 120.2 | 313.8 | 4359.4 | 7860.9 | 8145.6 |
| 75° | 101.9 | 103.3 | 96.7 | 94.7 | 94.7 | 93.6 | 97.7 | 161.0 | 2829.4 | 6412.6 | 6858.9 |
| 77.5° | 92.5 | 95.5 | 84.7 | 78.6 | 77.2 | 73.8 | 79.7 | 98.5 | 1237.6 | 3010.6 | 2948.1 |
| 80° | 76.4 | 80.5 | 69.7 | 62.5 | 60.0 | 56.2 | 62.9 | 68.9 | 368.1 | 699.2 | 669.5 |
| 82.5° | 56.9 | 58.8 | 49.4 | 44.6 | 42.3 | 39.7 | 47.2 | 48.0 | 119.8 | 247.5 | 279.7 |
| 85° | 36.3 | 37.1 | 30.3 | 26.2 | 25.1 | 24.0 | 29.9 | 26.2 | 45.7 | 181.9 | 264.3 |
| 87.5° | 12.7 | 14.6 | 11.6 | 10.5 | 11.3 | 9.3 | 13.8 | 7.9 | 12.7 | 128.4 | 159.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)