

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: P959188

Luminaire Tested: **NVN-SB1A-722-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P959188  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB1A-722-U-5NQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3981.1 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

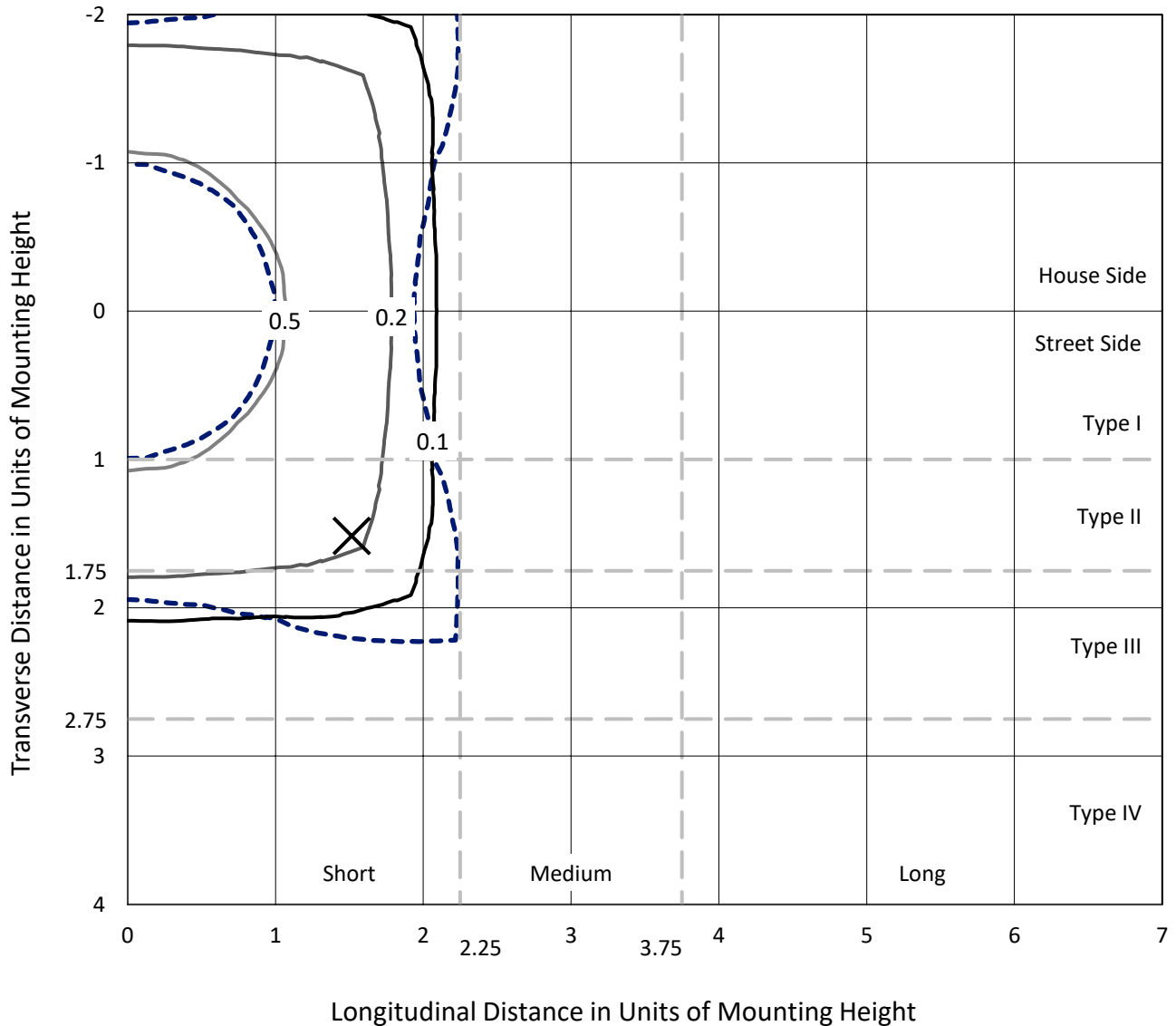
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

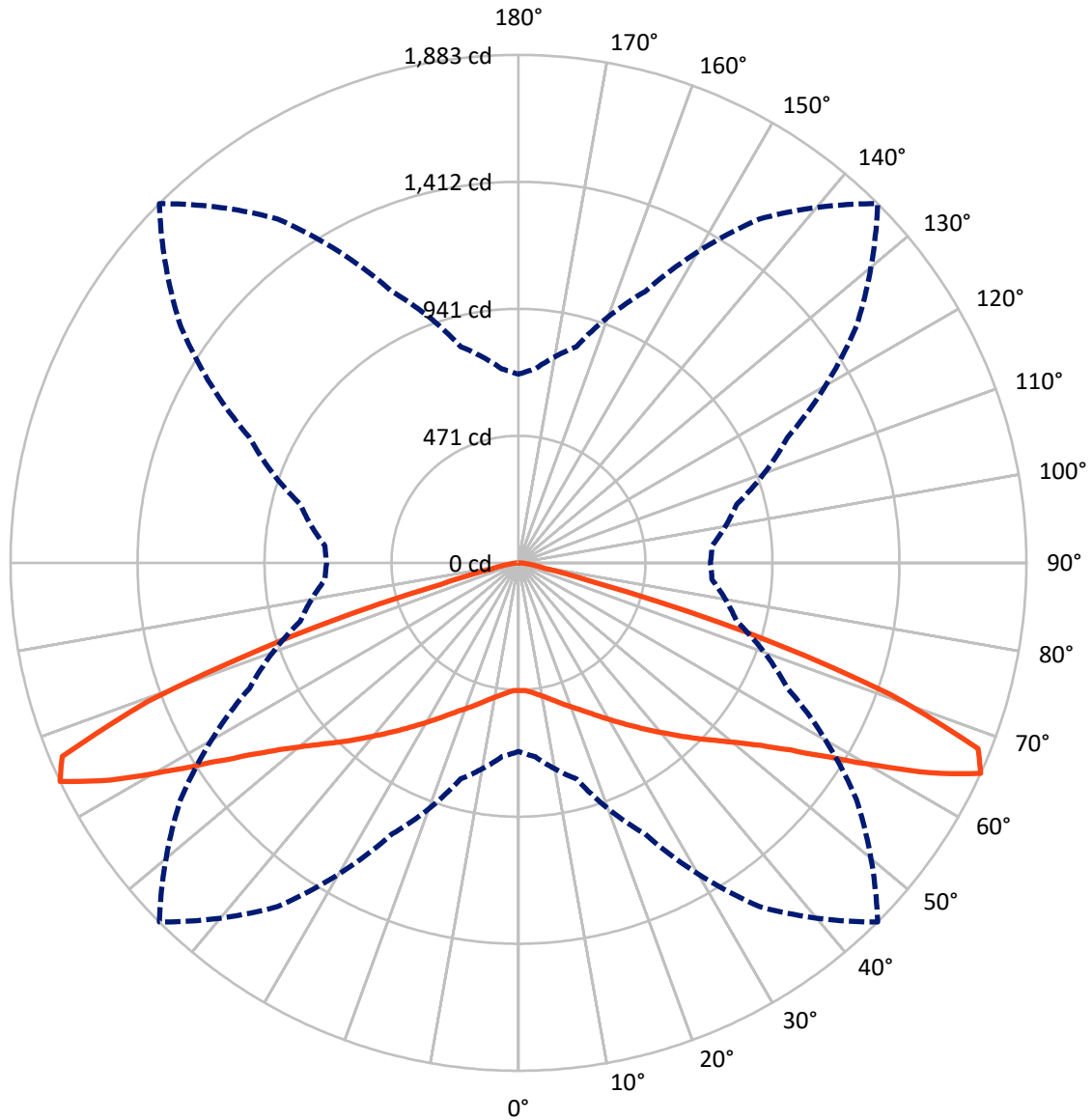
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1990.5   | 0.0    | 1990.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1990.5   | 0.0    | 1990.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 3981.1   | 0.0    | 3981.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.8   | 1.2       |
| 10°-20°   | 152.6  | 3.8       |
| 20°-30°   | 288.1  | 7.2       |
| 30°-40°   | 471.7  | 11.8      |
| 40°-50°   | 731.4  | 18.4      |
| 50°-60°   | 1080.5 | 27.1      |
| 60°-70°   | 1028.5 | 25.8      |
| 70°-80°   | 166.0  | 4.2       |
| 80°-90°   | 15.6   | 0.4       |
| 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°    | 3981.1 | 100.0     |
| 0°-180°   | 3981.1 | 100.0     |

**Coefficient of Utilization**



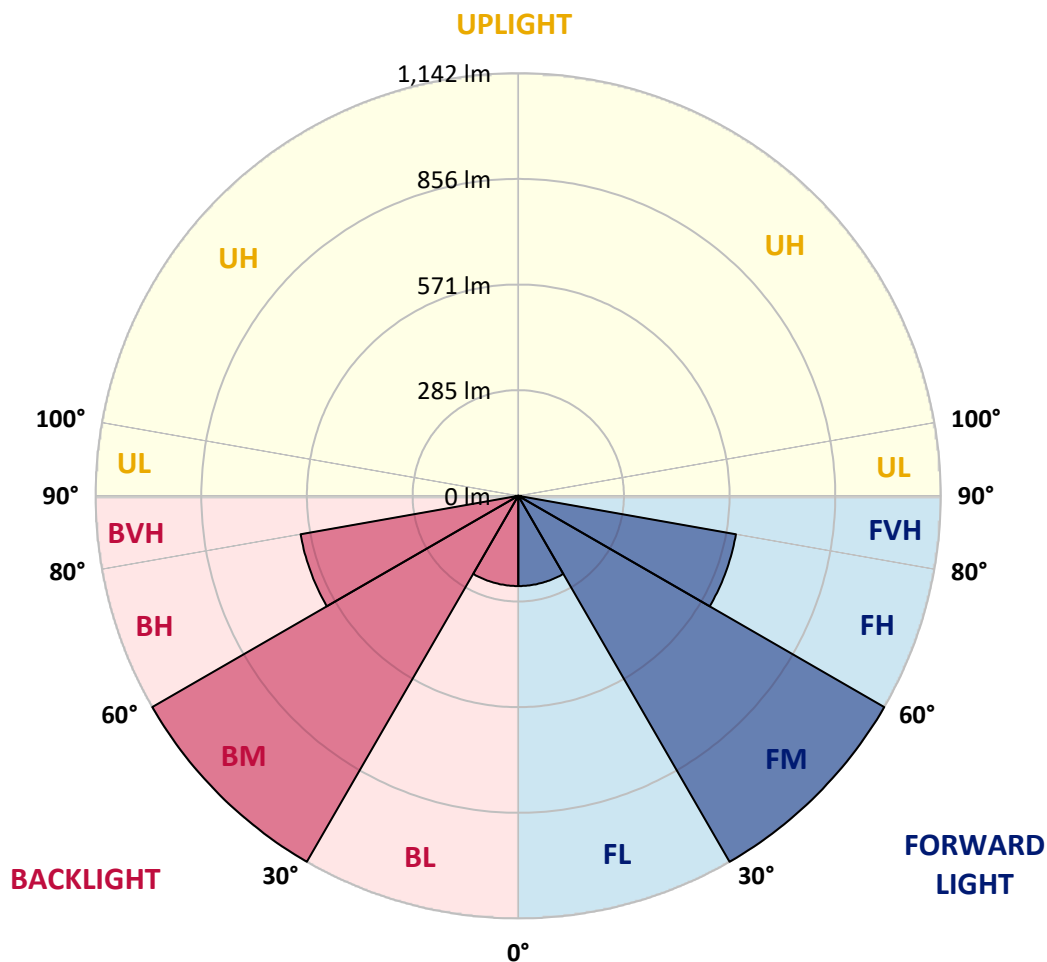
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 243.7  | 6.1       |                         |      |        |
| FM (30°-60°)   | 1141.8 | 28.7      |                         |      |        |
| FH (60°-80°)   | 597.2  | 15.0      |                         |      | G0/660 |
| FVH (80°-90°)  | 7.8    | 0.2       |                         |      | G0/10  |
| BL (0°-30°)    | 243.7  | 6.1       | B1/500                  |      |        |
| BM (30°-60°)   | 1141.8 | 28.7      | B2/2500                 |      |        |
| BH (60°-80°)   | 597.2  | 15.0      | B2/1000                 |      | G0/660 |
| BVH (80°-90°)  | 7.8    | 0.2       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B2-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  | 473.8  |
| 2.5°  | 477.0  | 475.4  | 476.6  | 475.6  | 474.8  | 474.0  | 474.4  | 475.8  | 476.4  | 476.6  | 476.6  |
| 5°    | 483.4  | 482.0  | 482.6  | 482.6  | 481.1  | 480.8  | 481.0  | 482.0  | 483.2  | 483.2  | 483.2  |
| 7.5°  | 493.7  | 492.4  | 493.7  | 492.9  | 491.8  | 491.4  | 491.2  | 492.0  | 493.7  | 493.7  | 493.1  |
| 10°   | 506.4  | 504.7  | 505.5  | 505.1  | 503.8  | 503.2  | 503.0  | 504.2  | 505.7  | 505.5  | 505.1  |
| 12.5° | 520.1  | 518.3  | 519.4  | 518.1  | 517.7  | 517.1  | 517.1  | 516.9  | 517.9  | 517.1  | 517.5  |
| 15°   | 535.6  | 534.3  | 534.7  | 533.9  | 534.5  | 534.1  | 532.5  | 531.7  | 532.1  | 530.9  | 531.2  |
| 17.5° | 553.7  | 550.9  | 552.3  | 551.9  | 551.9  | 552.7  | 550.1  | 549.1  | 549.9  | 548.7  | 549.7  |
| 20°   | 574.6  | 571.8  | 572.5  | 571.6  | 570.6  | 571.4  | 568.3  | 569.1  | 569.7  | 568.9  | 570.6  |
| 22.5° | 597.7  | 594.0  | 593.9  | 594.2  | 592.0  | 592.2  | 590.0  | 592.0  | 593.3  | 591.0  | 593.3  |
| 25°   | 621.2  | 617.4  | 620.0  | 619.0  | 616.2  | 616.8  | 615.2  | 617.3  | 618.2  | 615.4  | 618.6  |
| 27.5° | 646.2  | 643.6  | 646.0  | 646.6  | 643.2  | 645.5  | 643.2  | 644.9  | 646.0  | 641.8  | 644.9  |
| 30°   | 675.4  | 672.7  | 675.0  | 676.5  | 672.5  | 676.3  | 674.3  | 675.6  | 675.7  | 670.8  | 673.7  |
| 32.5° | 707.0  | 703.0  | 708.7  | 709.5  | 705.1  | 709.7  | 707.0  | 708.7  | 709.7  | 702.9  | 707.5  |
| 35°   | 745.8  | 740.9  | 747.2  | 746.2  | 742.4  | 746.2  | 743.8  | 746.2  | 748.7  | 740.5  | 745.5  |
| 37.5° | 787.6  | 782.4  | 789.1  | 787.4  | 783.8  | 786.4  | 784.9  | 786.6  | 790.4  | 781.6  | 787.0  |
| 40°   | 833.5  | 827.2  | 836.3  | 833.1  | 829.7  | 829.3  | 830.1  | 831.2  | 836.1  | 826.4  | 829.5  |
| 42.5° | 882.6  | 875.9  | 889.7  | 884.7  | 879.9  | 876.7  | 879.2  | 881.3  | 886.0  | 875.0  | 880.9  |
| 45°   | 938.8  | 931.0  | 948.9  | 943.0  | 935.4  | 928.9  | 933.0  | 936.0  | 943.0  | 929.8  | 936.6  |
| 47.5° | 1000.7 | 991.9  | 1011.1 | 1009.3 | 996.9  | 982.6  | 992.1  | 1000.7 | 1005.9 | 989.9  | 995.3  |
| 50°   | 1061.3 | 1054.4 | 1079.6 | 1081.8 | 1066.6 | 1046.4 | 1059.8 | 1072.9 | 1074.2 | 1053.3 | 1055.9 |
| 52.5° | 1118.0 | 1111.2 | 1147.7 | 1161.5 | 1147.9 | 1123.9 | 1138.2 | 1151.3 | 1140.7 | 1113.6 | 1114.4 |
| 55°   | 1163.3 | 1157.7 | 1204.3 | 1239.8 | 1244.4 | 1224.7 | 1233.0 | 1232.7 | 1197.8 | 1156.1 | 1157.5 |
| 57.5° | 1174.2 | 1173.5 | 1232.3 | 1307.5 | 1355.5 | 1357.8 | 1341.3 | 1298.9 | 1224.1 | 1167.9 | 1164.3 |
| 60°   | 1124.3 | 1129.3 | 1210.0 | 1342.9 | 1470.7 | 1523.9 | 1452.1 | 1331.3 | 1194.2 | 1116.3 | 1107.2 |
| 62.5° | 975.0  | 988.1  | 1085.4 | 1299.7 | 1563.7 | 1714.8 | 1541.0 | 1282.2 | 1072.0 | 970.4  | 964.3  |
| 65°   | 698.7  | 721.7  | 829.1  | 1109.2 | 1555.4 | 1882.6 | 1528.3 | 1100.2 | 837.1  | 719.9  | 711.2  |
| 67.5° | 317.0  | 340.4  | 431.6  | 759.4  | 1352.1 | 1837.0 | 1348.9 | 767.4  | 453.3  | 341.5  | 336.6  |
| 70°   | 114.9  | 118.8  | 148.2  | 304.0  | 864.1  | 1463.7 | 901.1  | 306.2  | 157.6  | 126.6  | 125.0  |
| 72.5° | 69.5   | 70.1   | 76.3   | 108.9  | 300.2  | 888.7  | 313.0  | 112.4  | 77.9   | 69.1   | 70.3   |
| 75°   | 44.2   | 43.8   | 54.3   | 66.5   | 106.5  | 299.8  | 111.6  | 66.5   | 54.1   | 49.3   | 49.7   |
| 77.5° | 31.8   | 32.8   | 38.9   | 49.7   | 67.1   | 101.7  | 65.9   | 47.6   | 38.9   | 32.0   | 32.6   |
| 80°   | 23.8   | 24.4   | 28.4   | 38.7   | 47.2   | 63.3   | 41.9   | 35.2   | 29.3   | 20.0   | 20.6   |
| 82.5° | 17.2   | 17.2   | 18.6   | 28.2   | 28.8   | 34.1   | 22.8   | 24.8   | 19.4   | 14.1   | 14.1   |
| 85°   | 10.1   | 9.9    | 11.6   | 16.8   | 15.0   | 12.6   | 10.4   | 15.2   | 12.2   | 8.8    | 8.6    |
| 87.5° | 3.6    | 3.8    | 3.6    | 4.8    | 4.0    | 3.4    | 3.2    | 4.2    | 3.4    | 3.0    | 2.8    |
| 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)