

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: P970921

Luminaire Tested: **NVN-SB6C-740-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970921
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-SB6C-740-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48719.3 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

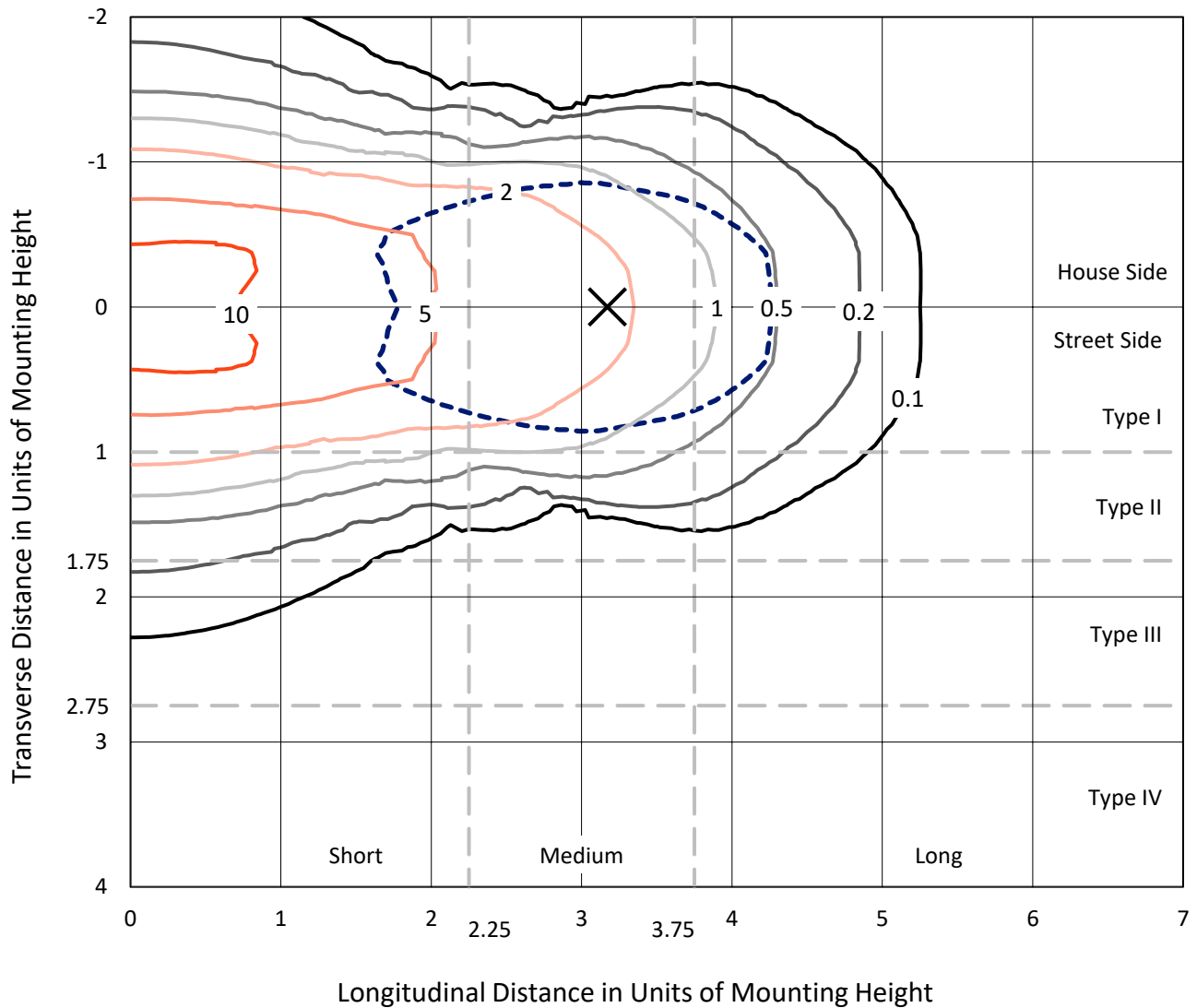
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

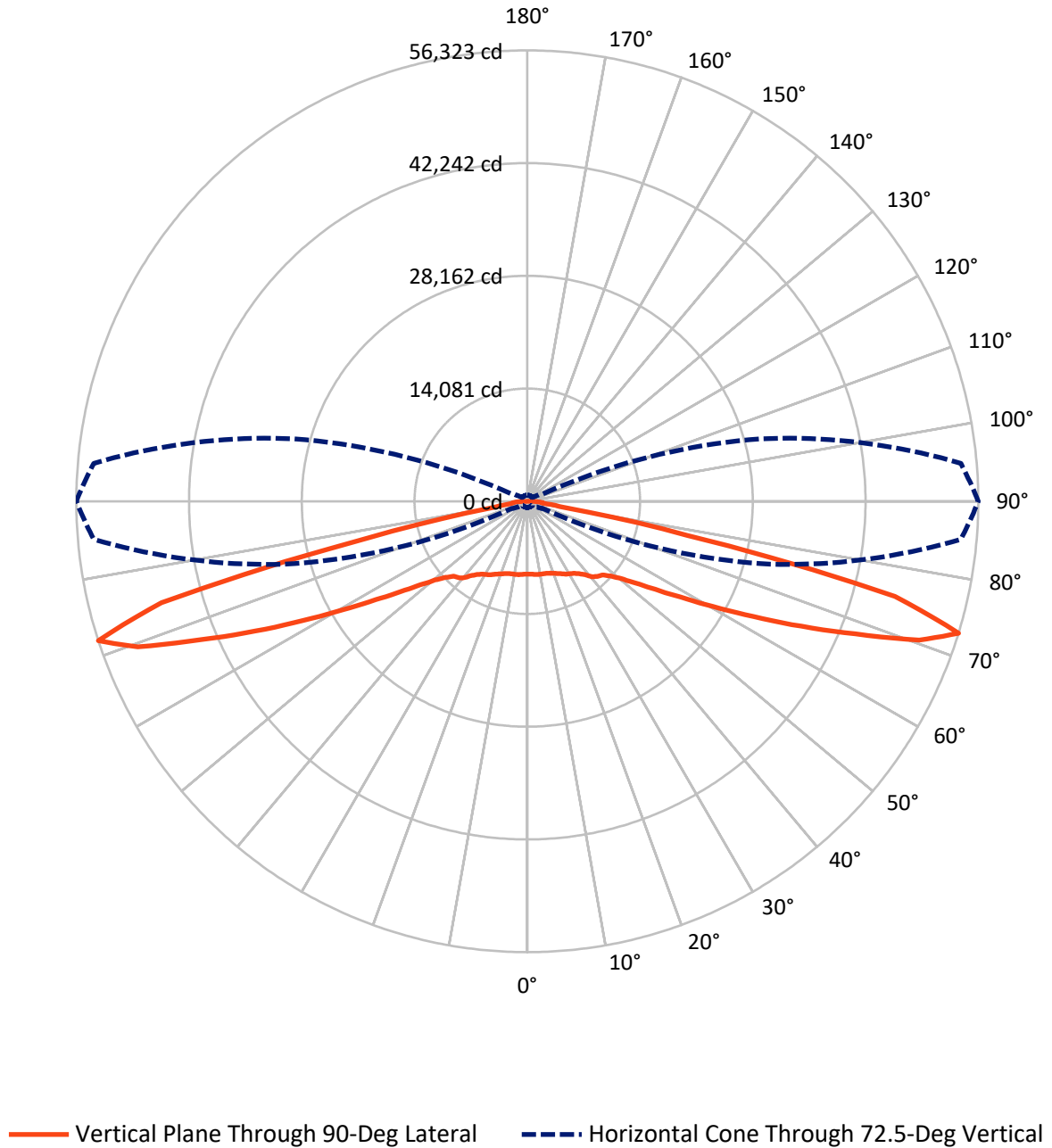
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 24359.6 | 0.0 | 24359.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 24359.6 | 0.0 | 24359.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 48719.3 | 0.0 | 48719.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 882.7 | 1.8 |
| 10°-20° | 2699.0 | 5.5 |
| 20°-30° | 4500.3 | 9.2 |
| 30°-40° | 6189.3 | 12.7 |
| 40°-50° | 7558.9 | 15.5 |
| 50°-60° | 8742.6 | 17.9 |
| 60°-70° | 10424.2 | 21.4 |
| 70°-80° | 7275.4 | 14.9 |
| 80°-90° | 446.9 | 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° | 48719.3 | 100.0 |
| 0°-180° | 48719.3 | 100.0 |

Coefficient of Utilization



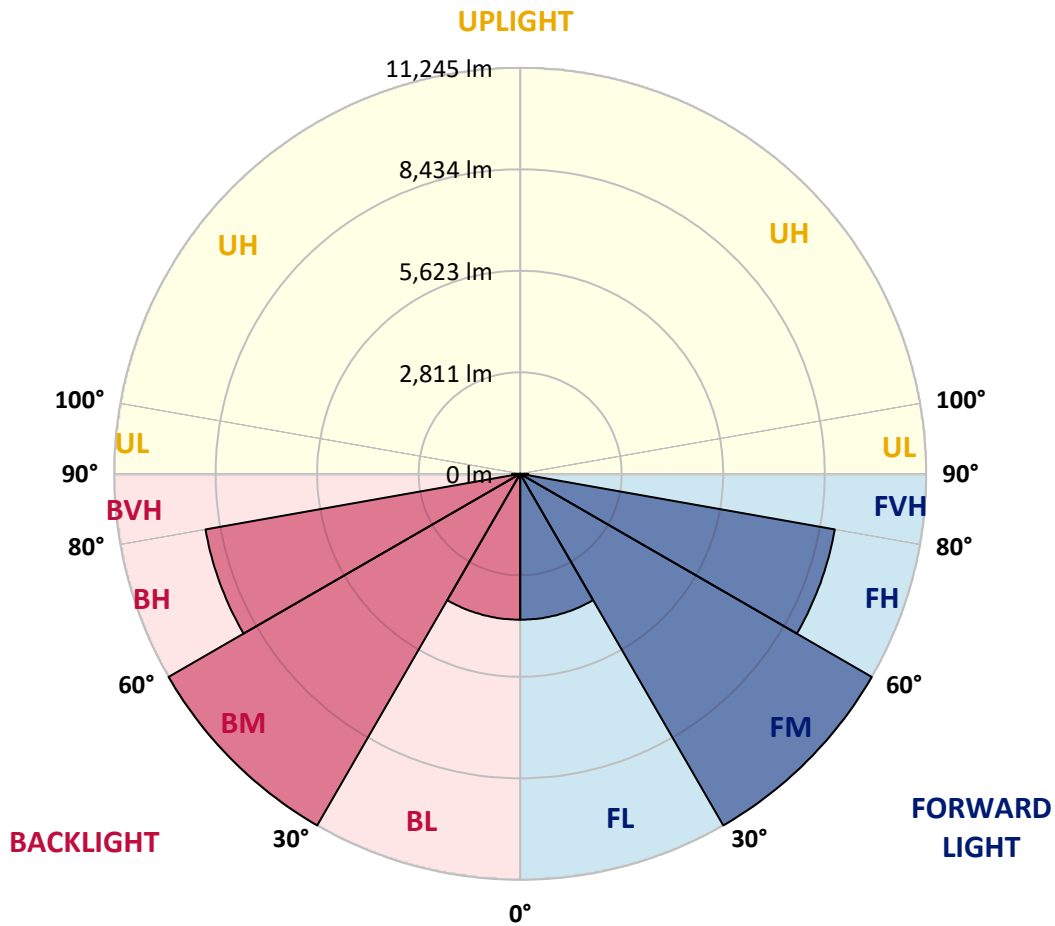
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 4041.0 | 8.3 | | | |
| FM (30°-60°) | 11245.4 | 23.1 | | | |
| FH (60°-80°) | 8849.8 | 18.2 | | | G4/12000 |
| FVH (80°-90°) | 223.4 | 0.5 | | | G2/225 |
| BL (0°-30°) | 4041.0 | 8.3 | B4/5000 | | |
| BM (30°-60°) | 11245.4 | 23.1 | B5 | | |
| BH (60°-80°) | 8849.8 | 18.2 | B5 | | G5 |
| BVH (80°-90°) | 223.4 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 | 9103.7 |
| 2.5° | 9111.4 | 9121.9 | 9121.9 | 9114.1 | 9132.2 | 9116.7 | 9116.7 | 9108.9 | 9116.7 | 9108.9 | 9108.9 |
| 5° | 9158.1 | 9171.0 | 9176.2 | 9173.6 | 9196.9 | 9184.0 | 9184.0 | 9173.6 | 9176.2 | 9168.4 | 9168.4 |
| 7.5° | 9246.1 | 9264.3 | 9274.6 | 9287.5 | 9321.2 | 9305.7 | 9295.3 | 9264.3 | 9251.3 | 9230.5 | 9230.5 |
| 10° | 9274.6 | 9295.3 | 9328.9 | 9396.3 | 9474.0 | 9476.5 | 9445.5 | 9367.8 | 9308.2 | 9261.7 | 9253.9 |
| 12.5° | 9186.6 | 9215.1 | 9285.0 | 9422.2 | 9595.6 | 9665.5 | 9616.3 | 9486.9 | 9370.4 | 9287.5 | 9274.6 |
| 15° | 9075.2 | 9106.3 | 9212.5 | 9419.5 | 9675.9 | 9839.1 | 9833.8 | 9663.0 | 9476.5 | 9347.1 | 9326.4 |
| 17.5° | 8901.7 | 8932.8 | 9085.6 | 9375.6 | 9738.1 | 10007.4 | 10079.8 | 9903.8 | 9642.3 | 9468.7 | 9440.4 |
| 20° | 8588.5 | 8617.0 | 8829.2 | 9235.8 | 9758.8 | 10186.0 | 10375.0 | 10219.7 | 9893.4 | 9657.8 | 9613.8 |
| 22.5° | 8182.0 | 8225.9 | 8474.5 | 8995.0 | 9709.6 | 10372.4 | 10711.7 | 10605.5 | 10186.0 | 9859.8 | 9800.2 |
| 25° | 7746.9 | 7793.6 | 8083.6 | 8699.8 | 9582.7 | 10507.1 | 11110.4 | 11043.0 | 10517.4 | 10110.9 | 10028.1 |
| 27.5° | 7371.5 | 7420.7 | 7736.6 | 8407.3 | 9385.9 | 10558.8 | 11503.9 | 11537.6 | 10918.7 | 10388.0 | 10299.9 |
| 30° | 7076.4 | 7122.9 | 7459.5 | 8171.6 | 9132.2 | 10507.1 | 11848.3 | 12081.4 | 11327.9 | 10628.7 | 10501.8 |
| 32.5° | 6752.7 | 6812.3 | 7167.0 | 7884.2 | 8831.8 | 10382.7 | 12148.6 | 12669.1 | 11801.6 | 10887.7 | 10727.1 |
| 35° | 6343.6 | 6397.9 | 6770.8 | 7490.6 | 8438.3 | 10183.4 | 12399.8 | 13321.5 | 12480.1 | 11281.3 | 11102.6 |
| 37.5° | 5846.5 | 5898.3 | 6268.5 | 6998.7 | 8047.3 | 9903.8 | 12591.4 | 14056.8 | 13287.9 | 11848.3 | 11610.1 |
| 40° | 5346.7 | 5395.9 | 5742.9 | 6449.7 | 7578.6 | 9546.4 | 12658.7 | 14776.7 | 14214.8 | 12627.7 | 12373.9 |
| 42.5° | 4888.4 | 4932.5 | 5251.0 | 5908.6 | 7053.0 | 9090.7 | 12570.7 | 15403.3 | 15046.0 | 13171.4 | 12845.1 |
| 45° | 4466.4 | 4505.3 | 4787.5 | 5401.1 | 6506.7 | 8536.7 | 12306.6 | 16076.5 | 16035.1 | 13559.7 | 13119.6 |
| 47.5° | 3984.8 | 4023.6 | 4316.3 | 4909.1 | 5960.4 | 7886.8 | 11858.6 | 16739.4 | 17409.9 | 14440.1 | 13932.6 |
| 50° | 3397.1 | 3430.7 | 3731.1 | 4342.1 | 5393.3 | 7195.5 | 11237.3 | 17259.8 | 19144.7 | 15773.5 | 15136.6 |
| 52.5° | 2700.6 | 2736.9 | 3029.4 | 3640.5 | 4720.1 | 6452.4 | 10419.0 | 17598.9 | 21148.8 | 17720.6 | 16936.1 |
| 55° | 2009.2 | 2035.1 | 2288.8 | 2837.8 | 3886.4 | 5605.6 | 9393.7 | 17694.8 | 23422.1 | 20382.3 | 19401.1 |
| 57.5° | 1457.8 | 1473.2 | 1636.4 | 2045.5 | 2946.6 | 4546.7 | 8148.2 | 17446.2 | 26127.9 | 23795.0 | 22559.9 |
| 60° | 1180.7 | 1185.8 | 1235.0 | 1416.3 | 2048.1 | 3350.4 | 6643.9 | 16591.8 | 29064.1 | 28194.1 | 26637.9 |
| 62.5° | 1071.9 | 1071.9 | 1084.9 | 1134.1 | 1385.2 | 2211.2 | 4823.8 | 14820.7 | 32212.6 | 33753.1 | 31668.8 |
| 65° | 996.8 | 996.8 | 1002.0 | 1025.3 | 1092.6 | 1408.6 | 3045.0 | 11936.3 | 34866.5 | 40265.0 | 37629.2 |
| 67.5° | 929.6 | 932.1 | 929.6 | 937.3 | 976.1 | 1040.9 | 1765.9 | 8244.1 | 36295.8 | 47012.5 | 44166.9 |
| 70° | 859.7 | 864.8 | 851.9 | 851.9 | 882.9 | 885.5 | 1105.6 | 4520.8 | 35109.8 | 52667.4 | 51919.1 |
| 72.5° | 776.7 | 784.5 | 763.8 | 758.6 | 782.0 | 771.6 | 831.2 | 2169.7 | 30143.7 | 54355.5 | 56323.3 |
| 75° | 704.3 | 714.6 | 668.0 | 655.1 | 655.1 | 647.3 | 675.8 | 1113.4 | 19564.2 | 44340.5 | 47426.9 |
| 77.5° | 639.5 | 660.2 | 585.2 | 543.8 | 533.4 | 510.0 | 551.6 | 681.0 | 8557.4 | 20817.3 | 20385.0 |
| 80° | 528.2 | 556.7 | 481.5 | 432.4 | 414.3 | 388.4 | 435.0 | 476.4 | 2545.2 | 4834.1 | 4629.5 |
| 82.5° | 393.6 | 406.5 | 341.7 | 308.1 | 292.5 | 274.5 | 326.3 | 331.4 | 828.5 | 1711.4 | 1934.2 |
| 85° | 251.1 | 256.4 | 209.7 | 181.2 | 173.4 | 165.7 | 207.2 | 181.2 | 315.9 | 1258.4 | 1828.0 |
| 87.5° | 88.0 | 101.0 | 80.3 | 72.5 | 77.7 | 64.8 | 95.8 | 54.3 | 88.0 | 888.1 | 1100.4 |
| 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)