

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: P885265

Luminaire Tested: **NVN-SB6C-722-U-T1**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P885265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6C-722-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35834 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

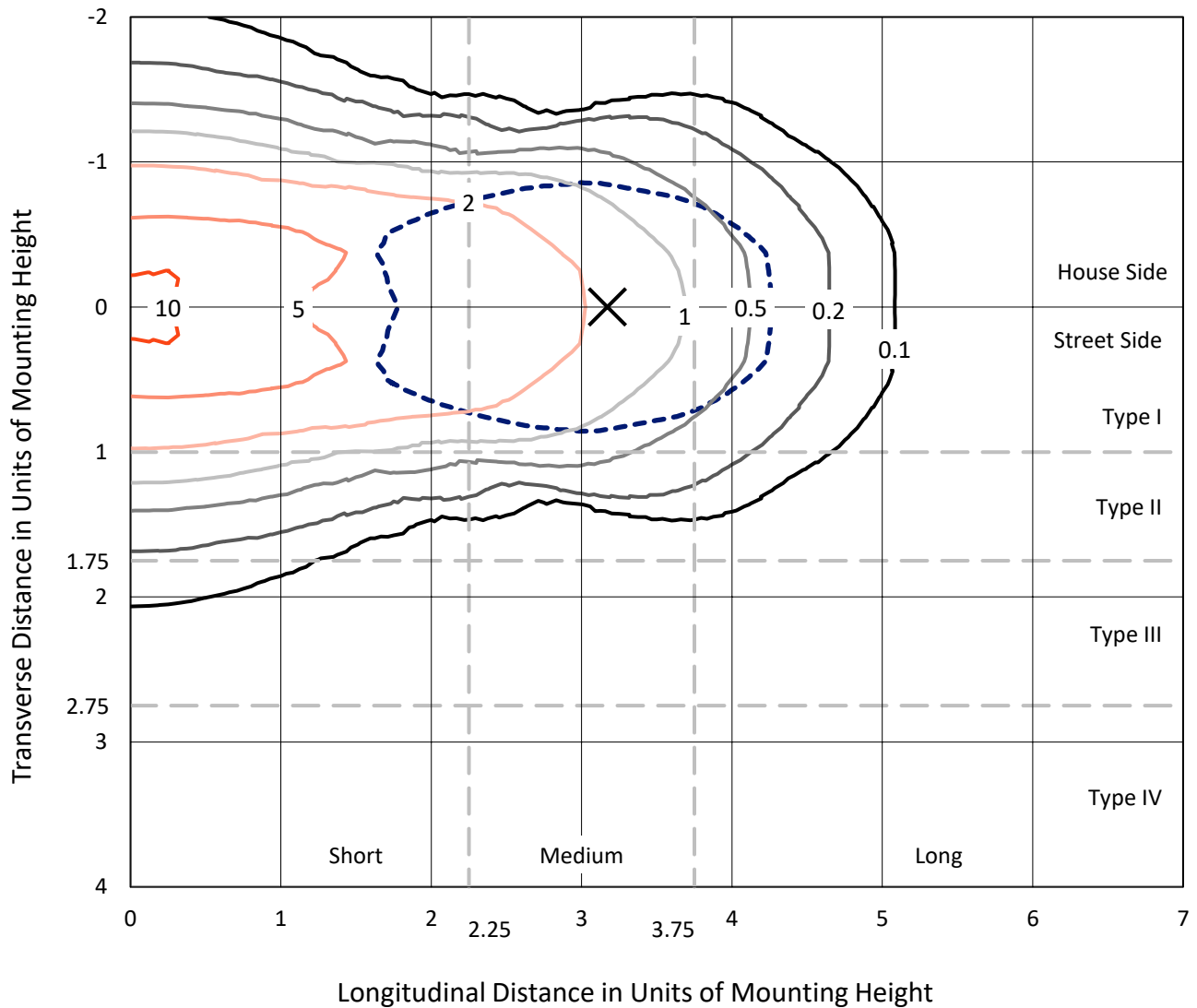
Input Watts (W): 300.9
Input Voltage (V): 120.0
Input Current (Ain): 2.518
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 6.297
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P885265
 CATALOG NUMBER: NVN-SB6C-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

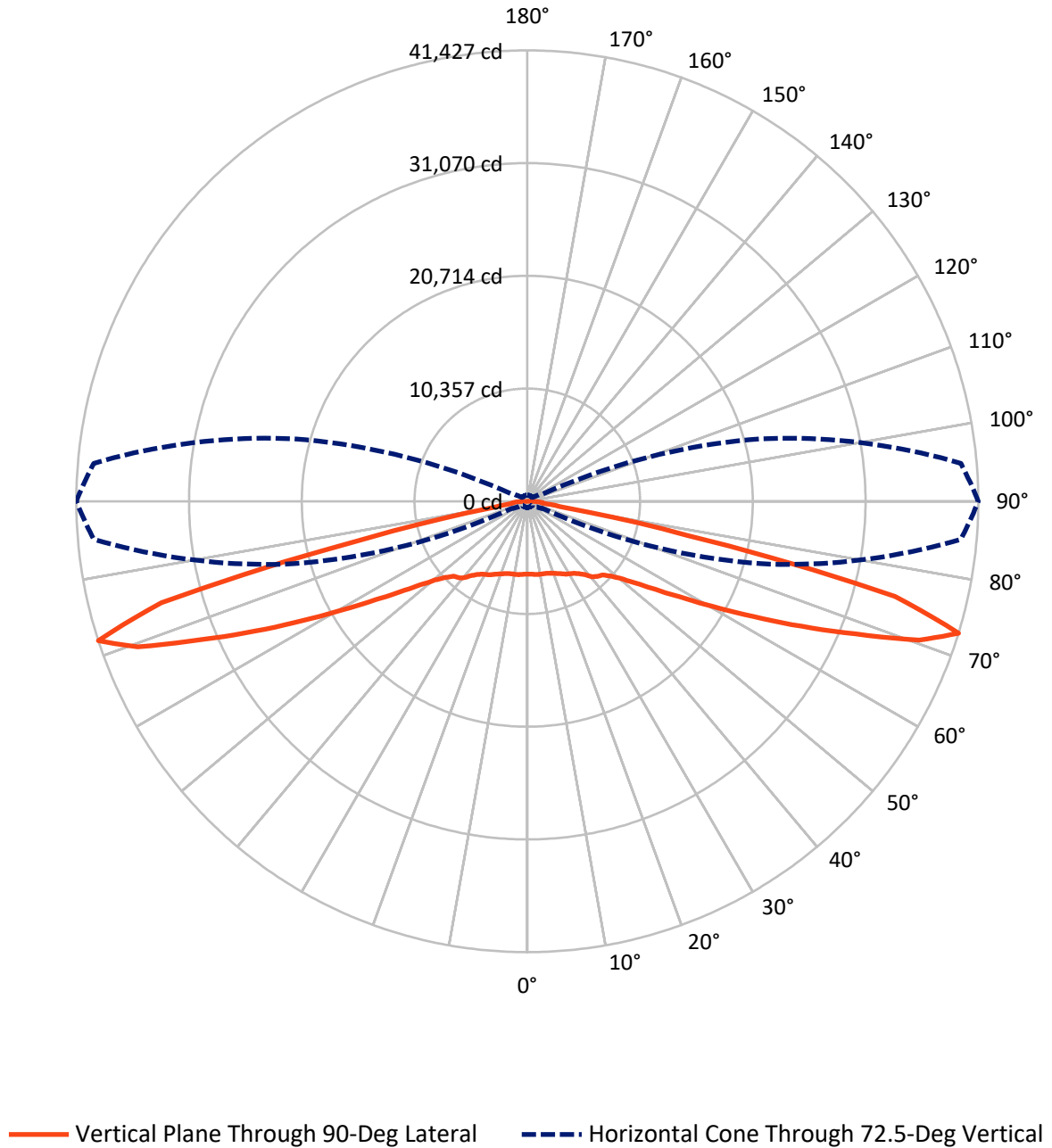
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type I - Short - N/A

REPORT NUMBER: P885265
CATALOG NUMBER: NVN-SB6C-722-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P885265
 CATALOG NUMBER: NVN-SB6C-722-U-T1

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 17917.0 | 0.0 | 17917.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 17917.0 | 0.0 | 17917.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 35834.0 | 0.0 | 35834.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 649.3 | 1.8 |
| 10°-20° | 1985.2 | 5.5 |
| 20°-30° | 3310.1 | 9.2 |
| 30°-40° | 4552.4 | 12.7 |
| 40°-50° | 5559.7 | 15.5 |
| 50°-60° | 6430.4 | 17.9 |
| 60°-70° | 7667.2 | 21.4 |
| 70°-80° | 5351.2 | 14.9 |
| 80°-90° | 328.7 | 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° | 35834.0 | 100.0 |
| 0°-180° | 35834.0 | 100.0 |

Coefficient of Utilization



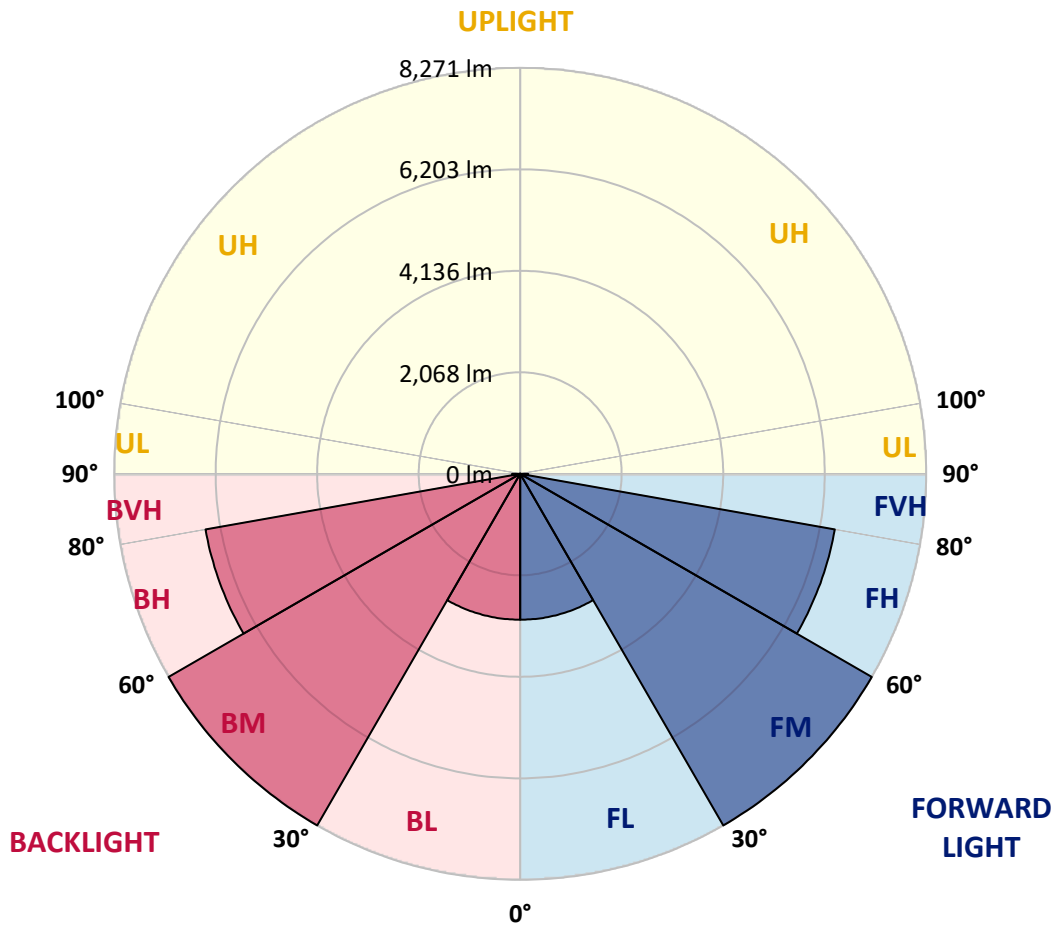
REPORT NUMBER: P885265
 CATALOG NUMBER: NVN-SB6C-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2972.2 | 8.3 | | | |
| FM (30°-60°) | 8271.2 | 23.1 | | | |
| FH (60°-80°) | 6509.2 | 18.2 | | | G3/7500 |
| FVH (80°-90°) | 164.3 | 0.5 | | | G2/225 |
| BL (0°-30°) | 2972.2 | 8.3 | B4/5000 | | |
| BM (30°-60°) | 8271.2 | 23.1 | B4/8500 | | |
| BH (60°-80°) | 6509.2 | 18.2 | B5 | | G5 |
| BVH (80°-90°) | 164.3 | 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



REPORT NUMBER: P885265
 CATALOG NUMBER: NVN-SB6C-722-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 | 6696.0 |
| 2.5° | 6701.7 | 6709.3 | 6709.3 | 6703.6 | 6716.9 | 6705.5 | 6705.5 | 6699.8 | 6705.5 | 6699.8 | 6699.8 |
| 5° | 6736.0 | 6745.5 | 6749.3 | 6747.4 | 6764.5 | 6755.0 | 6755.0 | 6747.4 | 6749.3 | 6743.6 | 6743.6 |
| 7.5° | 6800.7 | 6814.0 | 6821.7 | 6831.2 | 6855.9 | 6844.5 | 6836.9 | 6814.0 | 6804.5 | 6789.3 | 6789.3 |
| 10° | 6821.7 | 6836.9 | 6861.6 | 6911.2 | 6968.3 | 6970.2 | 6947.3 | 6890.2 | 6846.4 | 6812.1 | 6806.4 |
| 12.5° | 6756.9 | 6777.9 | 6829.3 | 6930.2 | 7057.8 | 7109.2 | 7073.0 | 6977.8 | 6892.1 | 6831.2 | 6821.7 |
| 15° | 6675.0 | 6697.9 | 6775.9 | 6928.3 | 7116.8 | 7236.8 | 7233.0 | 7107.3 | 6970.2 | 6875.0 | 6859.7 |
| 17.5° | 6547.4 | 6570.3 | 6682.6 | 6895.9 | 7162.5 | 7360.6 | 7413.9 | 7284.4 | 7092.1 | 6964.5 | 6943.5 |
| 20° | 6317.0 | 6337.9 | 6494.1 | 6793.1 | 7177.8 | 7492.0 | 7631.0 | 7516.8 | 7276.8 | 7103.5 | 7071.1 |
| 22.5° | 6018.0 | 6050.4 | 6233.2 | 6616.0 | 7141.6 | 7629.1 | 7878.6 | 7800.5 | 7492.0 | 7252.1 | 7208.3 |
| 25° | 5698.0 | 5732.3 | 5945.6 | 6398.9 | 7048.3 | 7728.2 | 8171.9 | 8122.4 | 7735.8 | 7436.8 | 7375.8 |
| 27.5° | 5421.9 | 5458.1 | 5690.4 | 6183.7 | 6903.5 | 7766.2 | 8461.4 | 8486.1 | 8031.0 | 7640.6 | 7575.8 |
| 30° | 5204.8 | 5239.1 | 5486.7 | 6010.4 | 6716.9 | 7728.2 | 8714.7 | 8886.1 | 8331.9 | 7817.7 | 7724.4 |
| 32.5° | 4966.7 | 5010.5 | 5271.5 | 5799.0 | 6496.0 | 7636.7 | 8935.6 | 9318.4 | 8680.4 | 8008.1 | 7890.0 |
| 35° | 4665.8 | 4705.8 | 4980.1 | 5509.5 | 6206.5 | 7490.1 | 9120.3 | 9798.3 | 9179.3 | 8297.6 | 8166.2 |
| 37.5° | 4300.2 | 4338.3 | 4610.6 | 5147.7 | 5919.0 | 7284.4 | 9261.2 | 10339.1 | 9773.5 | 8714.7 | 8539.4 |
| 40° | 3932.6 | 3968.8 | 4224.0 | 4743.9 | 5574.3 | 7021.6 | 9310.7 | 10868.6 | 10455.3 | 9287.9 | 9101.3 |
| 42.5° | 3595.6 | 3627.9 | 3862.2 | 4345.9 | 5187.7 | 6686.4 | 9246.0 | 11329.4 | 11066.6 | 9687.8 | 9447.9 |
| 45° | 3285.1 | 3313.7 | 3521.3 | 3972.6 | 4785.8 | 6278.9 | 9051.7 | 11824.6 | 11794.1 | 9973.5 | 9649.7 |
| 47.5° | 2930.9 | 2959.5 | 3174.7 | 3610.8 | 4384.0 | 5800.9 | 8722.3 | 12312.1 | 12805.4 | 10621.0 | 10247.7 |
| 50° | 2498.6 | 2523.4 | 2744.3 | 3193.7 | 3966.9 | 5292.4 | 8265.2 | 12694.9 | 14081.3 | 11601.8 | 11133.3 |
| 52.5° | 1986.3 | 2013.0 | 2228.2 | 2677.6 | 3471.8 | 4745.8 | 7663.4 | 12944.4 | 15555.4 | 13033.9 | 12456.8 |
| 55° | 1477.8 | 1496.9 | 1683.5 | 2087.3 | 2858.5 | 4123.1 | 6909.3 | 13014.8 | 17227.4 | 14991.6 | 14269.9 |
| 57.5° | 1072.2 | 1083.6 | 1203.6 | 1504.5 | 2167.2 | 3344.2 | 5993.2 | 12832.0 | 19217.6 | 17501.7 | 16593.3 |
| 60° | 868.4 | 872.2 | 908.4 | 1041.7 | 1506.4 | 2464.3 | 4886.8 | 12203.6 | 21377.2 | 20737.3 | 19592.7 |
| 62.5° | 788.4 | 788.4 | 798.0 | 834.1 | 1018.9 | 1626.4 | 3547.9 | 10900.9 | 23693.0 | 24826.1 | 23293.0 |
| 65° | 733.2 | 733.2 | 737.0 | 754.2 | 803.7 | 1036.0 | 2239.6 | 8779.4 | 25645.0 | 29615.7 | 27677.0 |
| 67.5° | 683.7 | 685.6 | 683.7 | 689.4 | 718.0 | 765.6 | 1298.8 | 6063.7 | 26696.2 | 34578.7 | 32485.7 |
| 70° | 632.3 | 636.1 | 626.6 | 626.6 | 649.4 | 651.3 | 813.2 | 3325.1 | 25824.0 | 38737.9 | 38187.5 |
| 72.5° | 571.3 | 577.0 | 561.8 | 558.0 | 575.1 | 567.5 | 611.3 | 1595.9 | 22171.3 | 39979.6 | 41427.0 |
| 75° | 518.0 | 525.6 | 491.3 | 481.8 | 481.8 | 476.1 | 497.1 | 818.9 | 14389.8 | 32613.3 | 34883.4 |
| 77.5° | 470.4 | 485.6 | 430.4 | 399.9 | 392.3 | 375.2 | 405.6 | 500.9 | 6294.1 | 15311.6 | 14993.5 |
| 80° | 388.5 | 409.5 | 354.2 | 318.0 | 304.7 | 285.7 | 319.9 | 350.4 | 1872.1 | 3555.6 | 3405.1 |
| 82.5° | 289.5 | 299.0 | 251.4 | 226.6 | 215.2 | 201.9 | 240.0 | 243.8 | 609.4 | 1258.8 | 1422.6 |
| 85° | 184.7 | 188.5 | 154.3 | 133.3 | 127.6 | 121.9 | 152.4 | 133.3 | 232.3 | 925.6 | 1344.5 |
| 87.5° | 64.8 | 74.3 | 59.0 | 53.3 | 57.1 | 47.6 | 70.5 | 40.0 | 64.8 | 653.2 | 809.4 |
| 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)