

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: P532650

Luminaire Tested: **GLAN-SA8A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30143 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

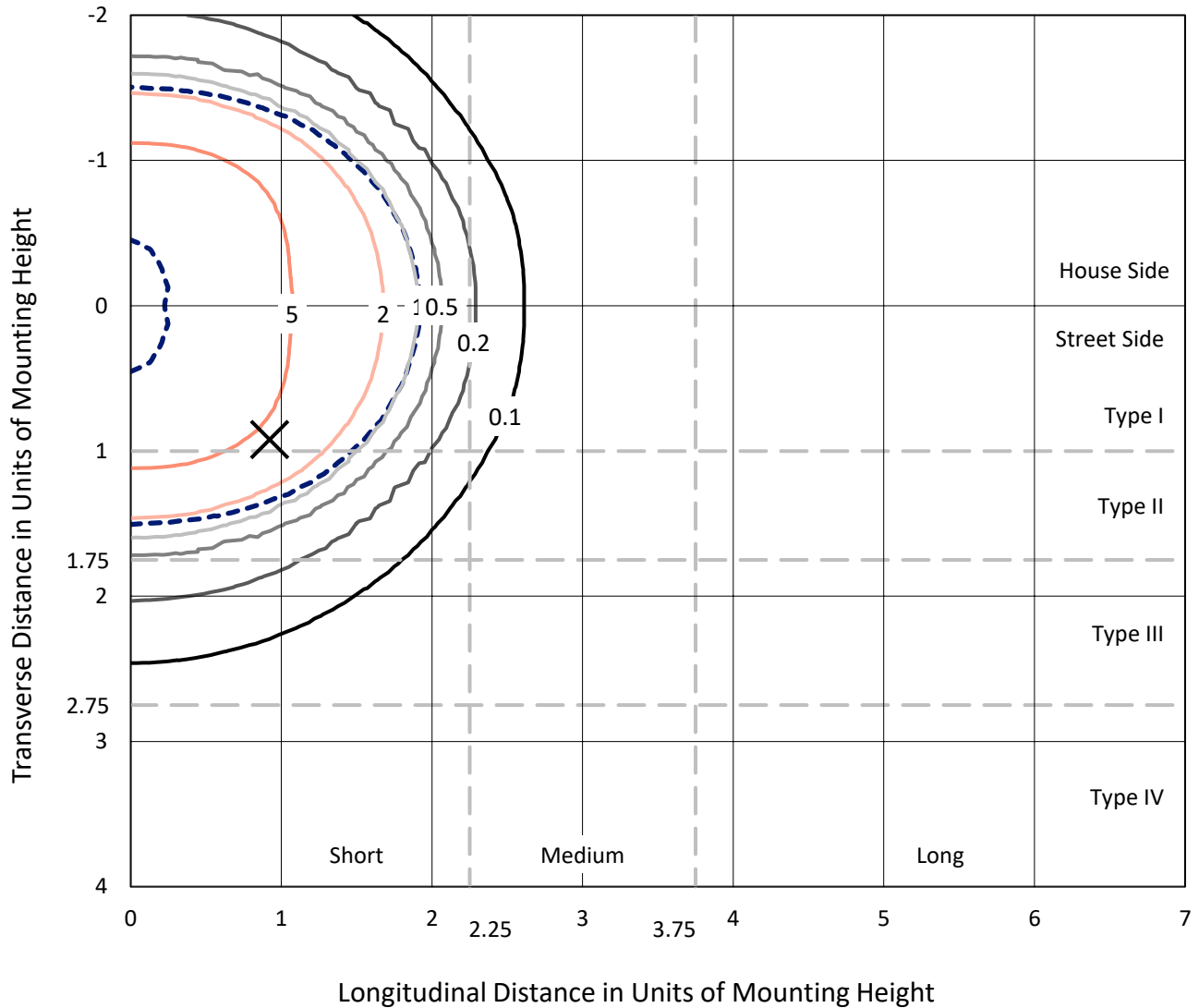
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

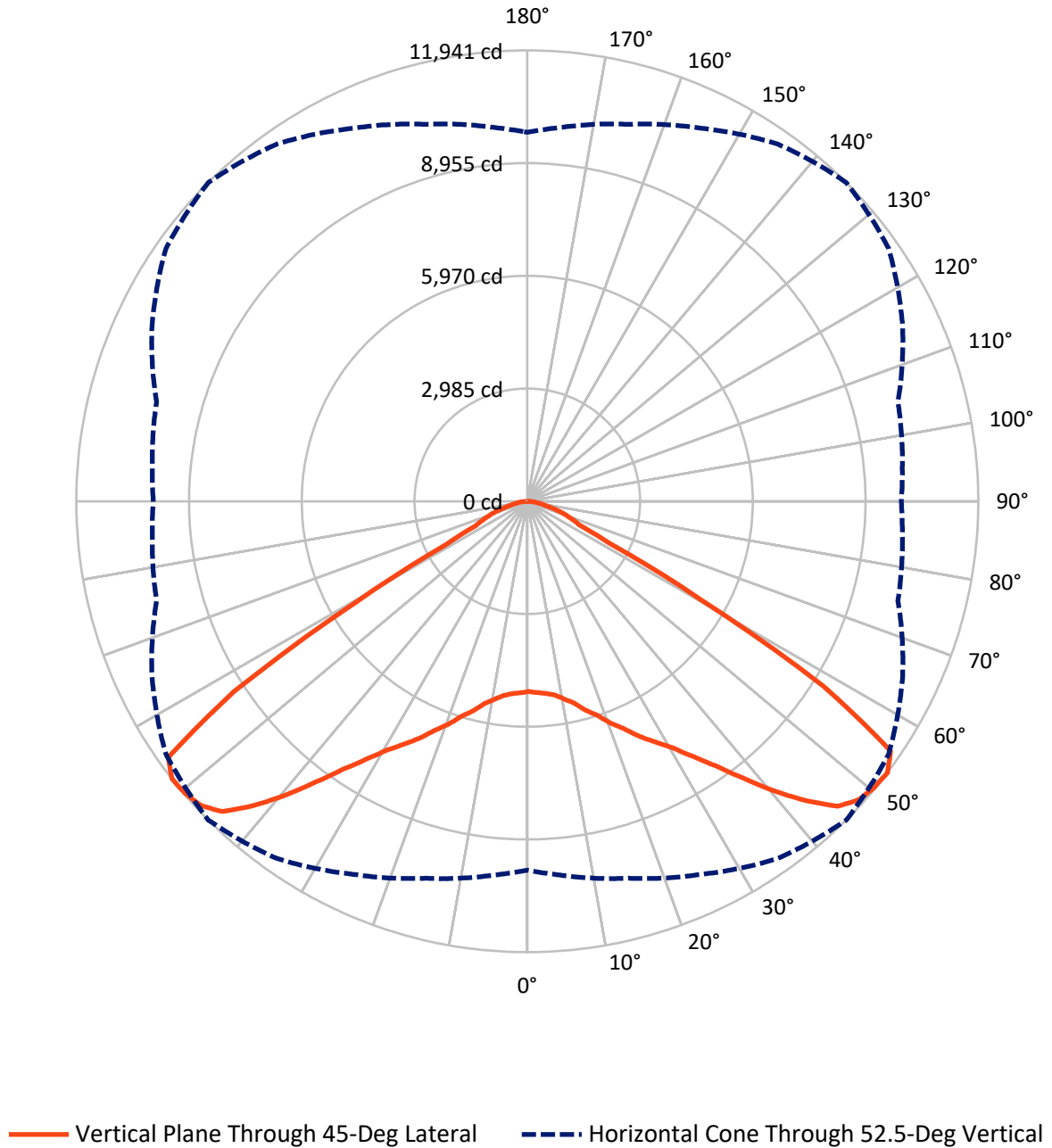
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 15071.5 | 0.0 | 15071.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 15071.5 | 0.0 | 15071.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 30143.0 | 0.0 | 30143.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 495.0 | 1.6 |
| 10°-20° | 1626.7 | 5.4 |
| 20°-30° | 3097.0 | 10.3 |
| 30°-40° | 5317.8 | 17.6 |
| 40°-50° | 8173.5 | 27.1 |
| 50°-60° | 8300.1 | 27.5 |
| 60°-70° | 2313.1 | 7.7 |
| 70°-80° | 682.4 | 2.3 |
| 80°-90° | 137.4 | 0.5 |
| 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° | 30143.0 | 100.0 |
| 0°-180° | 30143.0 | 100.0 |

Coefficient of Utilization



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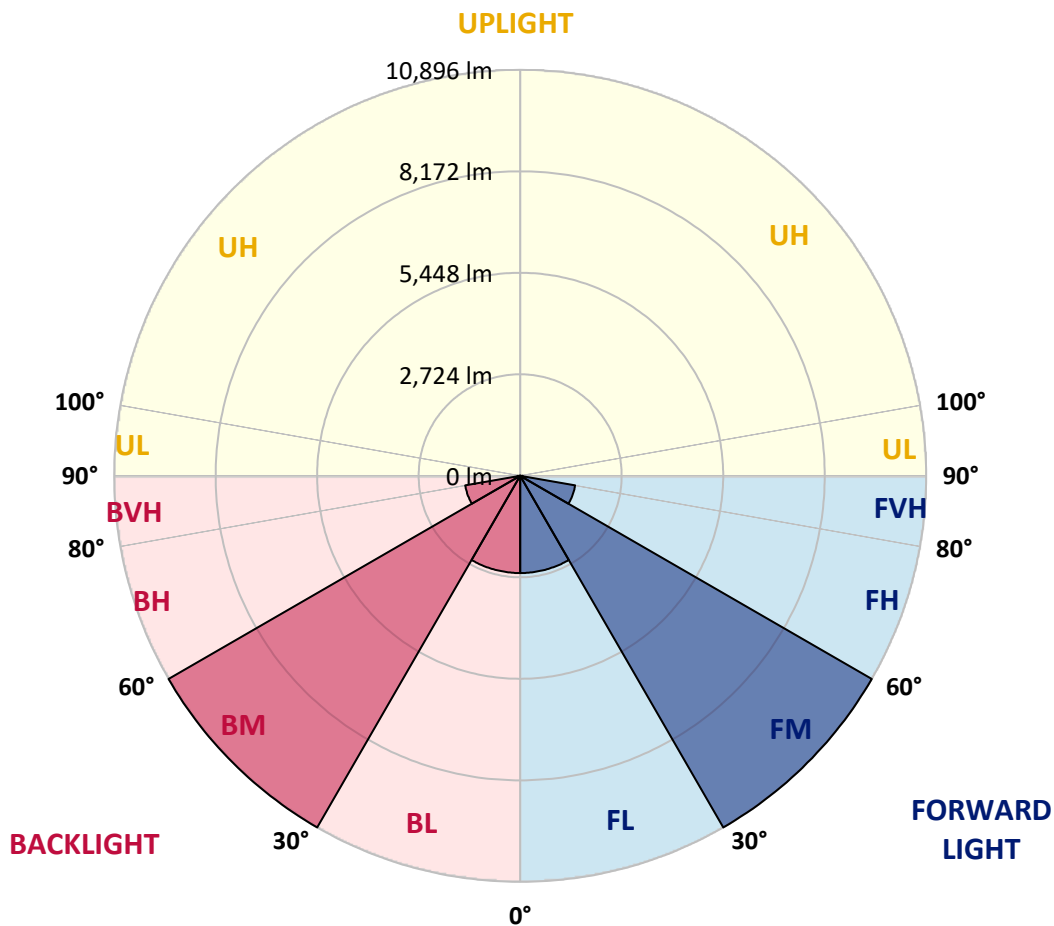
CATALOG NUMBER: GLAN-SA8A-735-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2609.4 | 8.7 | | | |
| FM (30°-60°) | 10895.7 | 36.1 | | | |
| FH (60°-80°) | 1497.7 | 5.0 | | | G1/1800 |
| FVH (80°-90°) | 68.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2609.4 | 8.7 | B4/5000 | | |
| BM (30°-60°) | 10895.7 | 36.1 | B5 | | |
| BH (60°-80°) | 1497.7 | 5.0 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 68.7 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 | 5038.8 |
| 2.5° | 5050.0 | 4997.7 | 5016.4 | 5027.6 | 5076.2 | 5072.5 | 5061.2 | 5076.2 | 5091.2 | 5094.9 | 5087.4 |
| 5° | 5046.3 | 5008.9 | 5023.8 | 5035.1 | 5083.7 | 5109.9 | 5102.4 | 5166.0 | 5210.9 | 5199.7 | 5255.8 |
| 7.5° | 5016.4 | 5038.8 | 5020.1 | 5076.2 | 5117.4 | 5180.9 | 5248.3 | 5308.1 | 5364.2 | 5427.8 | 5439.1 |
| 10° | 5083.7 | 5083.7 | 5117.4 | 5162.2 | 5270.7 | 5319.4 | 5416.6 | 5502.7 | 5611.1 | 5686.0 | 5656.0 |
| 12.5° | 5154.8 | 5166.0 | 5166.0 | 5281.9 | 5371.7 | 5480.2 | 5570.0 | 5686.0 | 5839.3 | 5929.1 | 5974.0 |
| 15° | 5225.8 | 5233.3 | 5270.7 | 5427.8 | 5562.5 | 5734.6 | 5816.9 | 5921.6 | 6007.7 | 6176.0 | 6179.7 |
| 17.5° | 5289.4 | 5330.6 | 5442.8 | 5618.6 | 5787.0 | 5951.5 | 6082.5 | 6191.0 | 6265.8 | 6333.1 | 6318.1 |
| 20° | 5528.8 | 5558.8 | 5674.7 | 5850.5 | 6101.2 | 6262.0 | 6306.9 | 6325.6 | 6374.2 | 6508.9 | 6467.8 |
| 22.5° | 5760.8 | 5772.0 | 5880.5 | 6149.8 | 6325.6 | 6538.8 | 6587.5 | 6576.3 | 6595.0 | 6628.6 | 6688.5 |
| 25° | 6000.2 | 6018.9 | 6168.5 | 6396.7 | 6643.6 | 6898.0 | 6939.1 | 6853.1 | 6826.9 | 6864.3 | 6868.0 |
| 27.5° | 6306.9 | 6310.7 | 6501.4 | 6699.7 | 6980.3 | 7219.7 | 7283.3 | 7215.9 | 7092.5 | 7122.4 | 7171.0 |
| 30° | 6696.0 | 6669.8 | 6860.5 | 7144.8 | 7440.4 | 7575.0 | 7683.5 | 7649.8 | 7515.2 | 7489.0 | 7447.8 |
| 32.5° | 7144.8 | 7152.3 | 7324.4 | 7634.9 | 7829.4 | 8053.8 | 8169.8 | 8113.7 | 8027.7 | 7982.8 | 8009.0 |
| 35° | 7777.0 | 7810.7 | 7926.7 | 8184.8 | 8499.0 | 8611.2 | 8794.5 | 8674.8 | 8450.4 | 8506.5 | 8555.1 |
| 37.5° | 8297.0 | 8394.3 | 8611.2 | 8918.0 | 9105.0 | 9310.7 | 9378.1 | 9217.2 | 9052.6 | 8985.3 | 9146.2 |
| 40° | 9093.8 | 9063.9 | 9303.3 | 9610.0 | 9886.8 | 10092.6 | 10006.5 | 9845.7 | 9437.9 | 9441.7 | 9486.6 |
| 42.5° | 9778.3 | 9793.3 | 9976.6 | 10343.2 | 10721.0 | 10848.2 | 10575.1 | 10182.3 | 9729.7 | 9681.1 | 9778.3 |
| 45° | 10354.4 | 10414.3 | 10519.0 | 11009.0 | 11379.4 | 11517.8 | 11012.8 | 10548.9 | 9942.9 | 9740.9 | 9901.8 |
| 47.5° | 10560.2 | 10657.4 | 10885.6 | 11334.5 | 11701.1 | 11813.3 | 11409.3 | 10743.5 | 10141.2 | 9812.0 | 9898.0 |
| 50° | 10590.1 | 10556.4 | 10930.5 | 11342.0 | 11663.7 | 11906.8 | 11551.5 | 10885.6 | 10092.6 | 9920.5 | 9894.3 |
| 52.5° | 9770.9 | 9935.5 | 10335.7 | 10900.6 | 11551.5 | 11940.5 | 11678.6 | 10964.2 | 10159.9 | 9965.4 | 9901.8 |
| 55° | 7908.0 | 7713.4 | 8442.9 | 9393.0 | 10590.1 | 11671.2 | 11633.8 | 11005.3 | 10201.0 | 10040.2 | 9954.2 |
| 57.5° | 4414.1 | 4470.2 | 4881.7 | 5914.1 | 7459.1 | 9254.6 | 10343.2 | 10571.4 | 10182.3 | 10088.8 | 10133.7 |
| 60° | 2042.5 | 2061.2 | 2237.0 | 2719.5 | 3677.2 | 5248.3 | 6681.0 | 8136.1 | 8805.7 | 8940.4 | 8940.4 |
| 62.5° | 1522.5 | 1515.0 | 1559.9 | 1645.9 | 1847.9 | 2412.8 | 3220.8 | 4376.7 | 5296.9 | 5940.3 | 6108.7 |
| 65° | 1376.6 | 1372.9 | 1395.3 | 1425.2 | 1440.2 | 1518.7 | 1698.3 | 2053.7 | 2352.9 | 2525.0 | 2495.1 |
| 67.5° | 1204.5 | 1200.8 | 1208.3 | 1227.0 | 1253.2 | 1294.3 | 1339.2 | 1414.0 | 1518.7 | 1511.3 | 1492.6 |
| 70° | 972.6 | 972.6 | 983.8 | 998.8 | 1028.7 | 1077.3 | 1129.7 | 1182.1 | 1271.9 | 1290.6 | 1286.8 |
| 72.5° | 718.2 | 707.0 | 729.4 | 759.4 | 789.3 | 849.2 | 905.3 | 953.9 | 1017.5 | 1036.2 | 1028.7 |
| 75° | 456.4 | 463.9 | 478.8 | 512.5 | 564.9 | 606.0 | 665.9 | 707.0 | 748.2 | 763.1 | 766.9 |
| 77.5° | 254.4 | 261.9 | 288.0 | 329.2 | 381.6 | 426.4 | 478.8 | 512.5 | 538.7 | 542.4 | 546.2 |
| 80° | 153.4 | 157.1 | 183.3 | 220.7 | 265.6 | 314.2 | 355.4 | 389.0 | 411.5 | 400.3 | 396.5 |
| 82.5° | 93.5 | 97.3 | 119.7 | 153.4 | 190.8 | 228.2 | 273.1 | 303.0 | 325.4 | 310.5 | 295.5 |
| 85° | 48.6 | 52.4 | 71.1 | 93.5 | 123.4 | 142.1 | 142.1 | 127.2 | 123.4 | 116.0 | 112.2 |
| 87.5° | 15.0 | 15.0 | 18.7 | 22.4 | 18.7 | 22.4 | 26.2 | 29.9 | 29.9 | 33.7 | 29.9 |
| 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)