

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: P654102

Luminaire Tested: **GLAN-SA9A-840-U-SLL**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P654102  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA9A-840-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30054 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

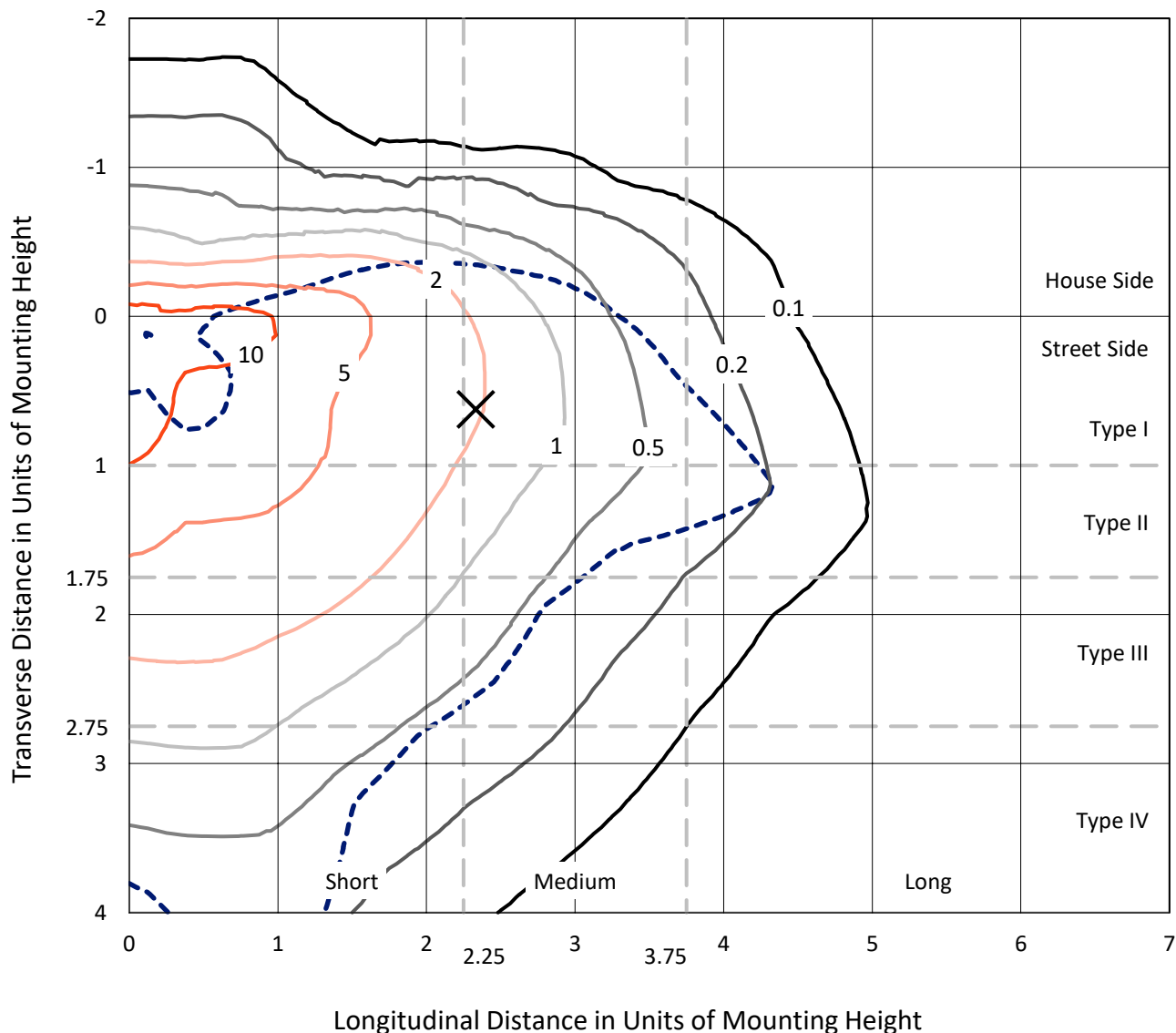
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P654102  
 CATALOG NUMBER: GLAN-SA9A-840-U-SLL

### Iso-Footcandle Lines of Horizontal Illumination

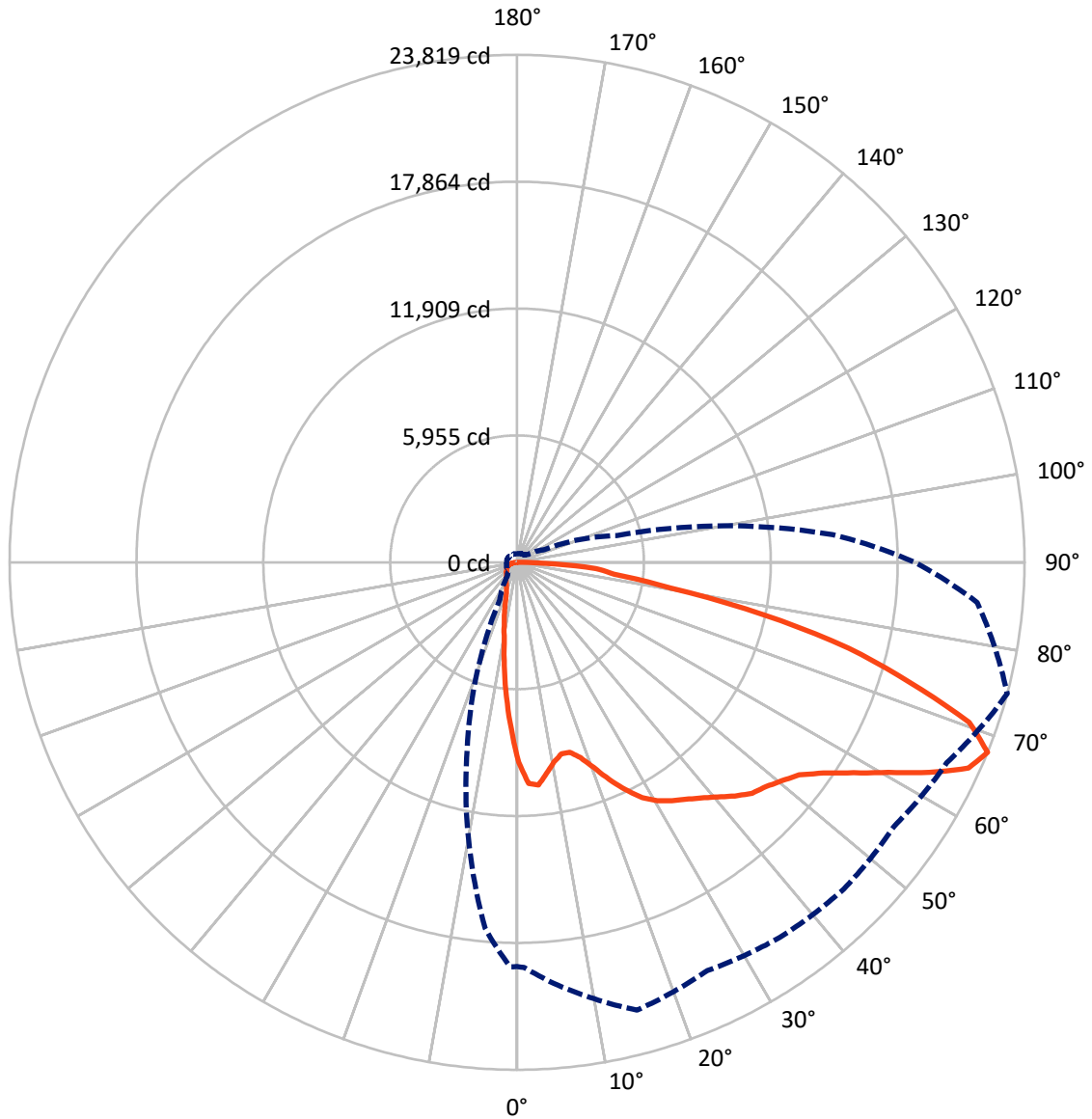
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.5 fc  
 Type III - Medium - N/A

REPORT NUMBER: P654102  
CATALOG NUMBER: GLAN-SA9A-840-U-SLL

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P654102  
 CATALOG NUMBER: GLAN-SA9A-840-U-SLL

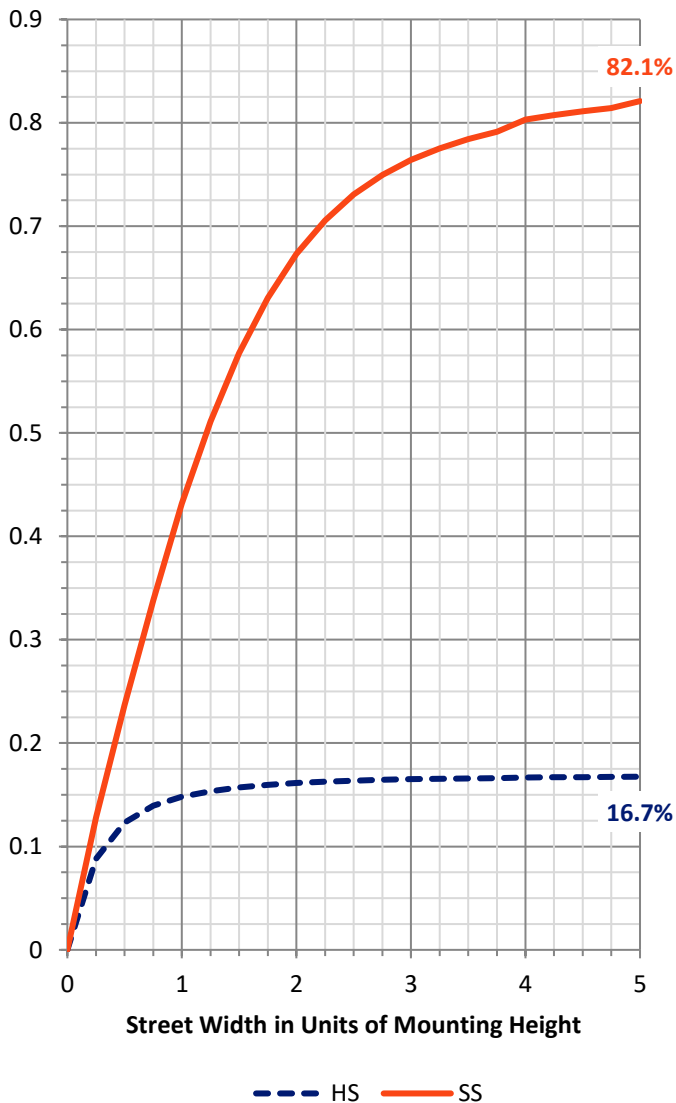
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5079.8   | 0.0    | 5079.8  |
|                    | % Fixture | 16.9     | 0.0    | 16.9    |
| <b>Street Side</b> | Lumens    | 24974.2  | 0.0    | 24974.2 |
|                    | % Fixture | 83.1     | 0.0    | 83.1    |
| <b>Total</b>       | Lumens    | 30054.0  | 0.0    | 30054.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 712.2   | 2.4       |
| 10°-20°   | 1485.3  | 4.9       |
| 20°-30°   | 2137.3  | 7.1       |
| 30°-40°   | 3078.3  | 10.2      |
| 40°-50°   | 4324.2  | 14.4      |
| 50°-60°   | 6030.7  | 20.1      |
| 60°-70°   | 7170.2  | 23.9      |
| 70°-80°   | 4222.8  | 14.1      |
| 80°-90°   | 893.0   | 3.0       |
| 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°    | 30054.0 | 100.0     |
| 0°-180°   | 30054.0 | 100.0     |

**Coefficient of Utilization**

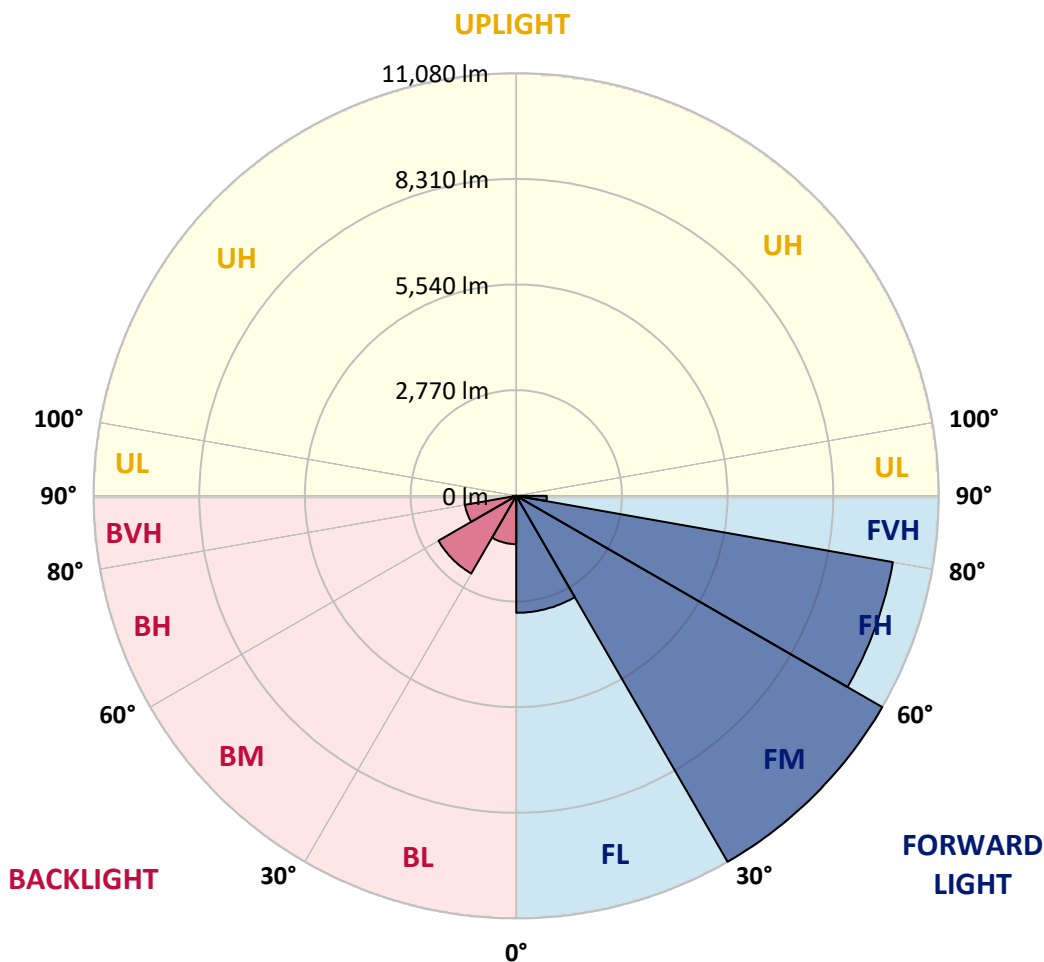


REPORT NUMBER: P654102  
 CATALOG NUMBER: GLAN-SA9A-840-U-SLL

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|----------------|---------|-----------|-------------------------|------|----------|
|                |         |           | B                       | U    | G        |
| FL (0°-30°)    | 3067.7  | 10.2      |                         |      |          |
| FM (30°-60°)   | 11079.8 | 36.9      |                         |      |          |
| FH (60°-80°)   | 10026.1 | 33.4      |                         |      | G4/12000 |
| FVH (80°-90°)  | 800.6   | 2.7       |                         |      | G5       |
| BL (0°-30°)    | 1267.1  | 4.2       | B3/2500                 |      |          |
| BM (30°-60°)   | 2353.5  | 7.8       | B2/2500                 |      |          |
| BH (60°-80°)   | 1366.9  | 4.5       | B3/2500                 |      | G3/2500  |
| BVH (80°-90°)  | 92.4    | 0.3       |                         |      | G1/100   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G5**  
 Type III Medium





REPORT NUMBER: P654102

CATALOG NUMBER: GLAN-SA9A-840-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  | 9389.6  |
| 2.5°  | 10123.9 | 10137.3 | 10224.0 | 10476.5 | 10650.0 | 10713.6 | 10757.9 | 10675.1 | 10594.1 | 10397.5 | 10100.7 |
| 5°    | 10093.0 | 10172.1 | 10397.5 | 10964.1 | 11411.3 | 11603.9 | 11661.8 | 11413.2 | 11002.7 | 10497.8 | 9890.7  |
| 7.5°  | 9503.3  | 9609.3  | 9956.2  | 10906.3 | 11694.5 | 12145.6 | 12085.8 | 11636.7 | 10896.7 | 9996.6  | 9148.7  |
| 10°   | 8803.7  | 8921.2  | 9339.5  | 10488.1 | 11503.8 | 12124.4 | 12124.4 | 11577.0 | 10594.1 | 9524.5  | 8547.3  |
| 12.5° | 8248.6  | 8372.0  | 8849.9  | 10058.4 | 11106.8 | 11694.5 | 11792.8 | 11322.6 | 10376.3 | 9225.8  | 8152.3  |
| 15°   | 8065.5  | 8185.0  | 8699.6  | 9798.2  | 10686.6 | 11045.1 | 11077.8 | 10923.7 | 10270.3 | 9247.0  | 8134.9  |
| 17.5° | 8292.9  | 8447.2  | 8967.5  | 9875.3  | 10301.2 | 10322.3 | 10347.4 | 10468.9 | 10281.9 | 9634.3  | 8485.7  |
| 20°   | 8950.2  | 9115.9  | 9659.4  | 10123.9 | 9963.9  | 9744.2  | 9757.7  | 10069.9 | 10418.7 | 10274.2 | 9324.1  |
| 22.5° | 9898.4  | 10042.9 | 10599.9 | 10561.4 | 9821.3  | 9368.4  | 9274.0  | 9709.5  | 10621.1 | 11072.1 | 10216.4 |
| 25°   | 10921.7 | 11091.4 | 11731.2 | 11210.9 | 9861.7  | 9144.8  | 9085.1  | 9497.5  | 10831.2 | 11817.9 | 11247.4 |
| 27.5° | 12093.5 | 12259.3 | 12764.2 | 11866.1 | 10073.8 | 9127.5  | 9056.1  | 9478.2  | 11020.0 | 12507.9 | 12232.3 |
| 30°   | 12964.6 | 13116.9 | 13460.0 | 12417.3 | 10334.0 | 9243.1  | 9154.5  | 9630.5  | 11181.9 | 12980.1 | 13192.0 |
| 32.5° | 13648.8 | 13806.9 | 13993.8 | 12760.3 | 10677.0 | 9453.2  | 9289.3  | 9908.0  | 11394.0 | 13340.4 | 13903.2 |
| 35°   | 14361.9 | 14548.8 | 14535.3 | 13064.9 | 10996.9 | 9696.0  | 9536.0  | 10308.9 | 11727.3 | 13654.6 | 14805.1 |
| 37.5° | 15265.7 | 15340.9 | 15244.6 | 13338.5 | 11380.4 | 10133.5 | 10044.8 | 10904.4 | 12201.4 | 14034.3 | 15859.3 |
| 40°   | 16183.1 | 16333.5 | 15838.1 | 13670.0 | 11846.8 | 10956.5 | 10946.8 | 11785.2 | 12764.2 | 14479.4 | 16880.8 |
| 42.5° | 16969.4 | 17096.7 | 16393.2 | 13959.1 | 12411.5 | 11960.5 | 12033.8 | 12966.5 | 13502.3 | 14996.0 | 17701.8 |
| 45°   | 17561.1 | 17674.8 | 16905.9 | 14238.6 | 13155.4 | 13120.7 | 13552.5 | 14232.7 | 14433.2 | 15460.4 | 18183.6 |
| 47.5° | 18064.2 | 18174.0 | 17262.4 | 14662.5 | 14074.7 | 14506.4 | 15258.1 | 15552.9 | 15229.2 | 15726.4 | 18723.3 |
| 50°   | 18488.1 | 18520.9 | 17507.2 | 15167.4 | 15215.6 | 16204.3 | 16932.9 | 17123.6 | 16015.5 | 16108.0 | 19191.6 |
| 52.5° | 18929.5 | 18887.1 | 17929.2 | 15803.5 | 16449.1 | 17815.5 | 18345.5 | 18544.0 | 16769.0 | 16578.2 | 19873.8 |
| 55°   | 19918.2 | 19958.6 | 18875.5 | 16605.2 | 17696.1 | 19397.8 | 20095.4 | 19904.7 | 17603.6 | 17443.6 | 20741.1 |
| 57.5° | 21113.1 | 21078.3 | 20207.2 | 17859.8 | 18966.1 | 20870.3 | 21390.6 | 21084.1 | 18717.5 | 18632.7 | 21619.9 |
| 60°   | 21577.5 | 21623.8 | 21321.2 | 19208.9 | 20218.8 | 22159.5 | 22691.4 | 22215.4 | 20053.1 | 20014.5 | 22282.9 |
| 62.5° | 21111.1 | 21371.3 | 21575.6 | 20409.6 | 21286.5 | 23107.7 | 23635.8 | 23092.3 | 21446.4 | 21725.9 | 22747.4 |
| 65°   | 20182.1 | 20238.1 | 20933.8 | 21427.2 | 21801.1 | 23263.8 | 23539.4 | 23250.4 | 22610.5 | 23285.1 | 22726.2 |
| 67.5° | 18975.7 | 19023.9 | 19839.1 | 21760.6 | 21138.1 | 21490.8 | 21683.5 | 21598.7 | 22250.2 | 23818.9 | 21679.6 |
| 70°   | 17827.1 | 17788.6 | 18650.0 | 20910.7 | 18401.4 | 17865.6 | 18025.6 | 17759.6 | 19199.3 | 22514.2 | 19627.2 |
| 72.5° | 15591.5 | 15730.2 | 16655.3 | 18547.8 | 14570.0 | 13698.9 | 14047.7 | 13359.7 | 14766.6 | 19282.2 | 15930.6 |
| 75°   | 12213.0 | 12245.8 | 13789.5 | 15566.4 | 10991.1 | 9617.0  | 10089.1 | 9802.0  | 11311.0 | 16084.9 | 11000.8 |
| 77.5° | 8456.8  | 8383.5  | 10042.9 | 11889.2 | 7838.1  | 7040.3  | 7048.0  | 6911.1  | 7897.9  | 11843.0 | 7473.9  |
| 80°   | 5371.2  | 5259.4  | 6286.7  | 7344.8  | 5386.7  | 5762.4  | 5573.6  | 5567.8  | 5141.9  | 7306.2  | 4519.4  |
| 82.5° | 2902.5  | 3025.7  | 3972.0  | 4604.2  | 3864.1  | 4453.9  | 4082.0  | 3962.5  | 3528.8  | 4573.4  | 2890.9  |
| 85°   | 1322.1  | 1437.7  | 2118.1  | 3131.8  | 2935.2  | 2968.0  | 1983.2  | 2339.7  | 2919.8  | 3713.9  | 1543.7  |
| 87.5° | 129.1   | 165.8   | 437.5   | 1478.2  | 1002.1  | 790.2   | 294.9   | 568.5   | 734.3   | 1320.2  | 123.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P654102

CATALOG NUMBER: GLAN-SA9A-840-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9389.6  | 9389.6  | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 |
| 2.5°  | 9979.3  | 9879.1  | 9537.9 | 9256.6 | 8957.8 | 8730.4 | 8433.6 | 8235.2 | 8098.3 | 7892.1 | 7867.1 |
| 5°    | 9520.6  | 9275.9  | 8682.2 | 8077.1 | 7554.8 | 7161.7 | 6762.7 | 6396.6 | 6180.7 | 6113.2 | 6026.5 |
| 7.5°  | 8747.8  | 8335.4  | 7572.2 | 6878.4 | 6279.0 | 5693.1 | 5242.1 | 4922.2 | 4708.3 | 4583.0 | 4432.7 |
| 10°   | 8111.8  | 7633.8  | 6704.9 | 5855.0 | 5361.6 | 4997.4 | 4600.4 | 4257.3 | 3993.2 | 3767.8 | 3644.5 |
| 12.5° | 7684.0  | 7144.3  | 6099.8 | 5409.8 | 5028.2 | 4640.8 | 4176.3 | 3790.9 | 3401.6 | 3145.3 | 3035.4 |
| 15°   | 7554.8  | 6984.3  | 5912.8 | 5188.1 | 4640.8 | 4133.9 | 3613.6 | 3110.6 | 2725.2 | 2482.3 | 2401.4 |
| 17.5° | 7870.9  | 7181.0  | 5910.9 | 4893.3 | 4186.0 | 3580.8 | 2914.0 | 2441.8 | 2046.7 | 1865.6 | 1807.7 |
| 20°   | 8460.6  | 7558.7  | 5928.2 | 4602.3 | 3692.6 | 2840.7 | 2120.0 | 1732.6 | 1543.7 | 1466.6 | 1437.7 |
| 22.5° | 9283.5  | 8134.9  | 5980.3 | 4315.1 | 3153.0 | 2181.6 | 1588.1 | 1391.4 | 1324.0 | 1310.5 | 1304.7 |
| 25°   | 10297.3 | 8848.0  | 6155.6 | 4056.9 | 2698.2 | 1665.2 | 1327.9 | 1239.2 | 1200.7 | 1187.2 | 1185.2 |
| 27.5° | 11230.1 | 9769.2  | 6367.6 | 3835.2 | 2258.8 | 1435.8 | 1200.7 | 1125.5 | 1087.0 | 1085.1 | 1088.9 |
| 30°   | 12072.3 | 10540.2 | 6544.9 | 3586.6 | 1925.3 | 1275.9 | 1117.8 | 1042.7 | 1006.0 | 1004.1 | 1015.7 |
| 32.5° | 12800.8 | 11174.2 | 6676.0 | 3341.9 | 1740.3 | 1177.6 | 1042.7 | 961.7  | 930.9  | 925.1  | 930.9  |
| 35°   | 13579.5 | 11806.4 | 6616.2 | 3151.1 | 1634.3 | 1096.6 | 986.7  | 907.8  | 871.1  | 853.8  | 853.8  |
| 37.5° | 14467.9 | 12457.7 | 6514.1 | 2993.0 | 1586.1 | 1029.1 | 938.6  | 861.5  | 824.9  | 807.5  | 805.6  |
| 40°   | 15437.3 | 13109.2 | 6373.4 | 2852.3 | 1537.9 | 988.7  | 905.8  | 824.9  | 780.5  | 763.2  | 759.3  |
| 42.5° | 16293.0 | 13666.2 | 6257.8 | 2759.8 | 1459.0 | 996.4  | 876.9  | 797.9  | 742.0  | 718.9  | 717.0  |
| 45°   | 17036.9 | 14226.9 | 6236.6 | 2705.8 | 1393.4 | 984.8  | 869.2  | 776.7  | 711.1  | 686.1  | 682.2  |
| 47.5° | 17619.0 | 14810.9 | 6358.0 | 2675.1 | 1322.1 | 923.2  | 919.3  | 763.2  | 684.2  | 657.2  | 653.4  |
| 50°   | 18328.2 | 15639.7 | 6635.5 | 2611.4 | 1256.5 | 865.3  | 971.4  | 761.3  | 663.0  | 628.3  | 618.6  |
| 52.5° | 19272.5 | 16718.9 | 7011.3 | 2497.7 | 1162.1 | 811.4  | 927.0  | 761.3  | 637.9  | 603.2  | 591.6  |
| 55°   | 20700.6 | 18095.0 | 7379.4 | 2337.7 | 1029.1 | 740.1  | 836.5  | 738.1  | 601.3  | 570.5  | 562.8  |
| 57.5° | 21646.9 | 19101.0 | 7614.6 | 2116.1 | 863.4  | 688.0  | 720.8  | 701.5  | 564.6  | 531.9  | 531.9  |
| 60°   | 21695.1 | 19370.8 | 7502.8 | 1836.7 | 759.3  | 639.8  | 626.4  | 707.3  | 531.9  | 497.2  | 493.4  |
| 62.5° | 21140.0 | 18709.7 | 6920.8 | 1586.1 | 703.4  | 587.8  | 566.6  | 620.6  | 499.1  | 464.5  | 458.7  |
| 65°   | 20272.7 | 17023.4 | 5910.9 | 1466.6 | 672.6  | 541.5  | 510.7  | 508.8  | 464.5  | 431.7  | 424.0  |
| 67.5° | 18678.9 | 14876.4 | 4856.7 | 1397.2 | 657.2  | 489.5  | 460.6  | 450.9  | 424.0  | 397.0  | 393.2  |
| 70°   | 16329.6 | 12459.7 | 3895.0 | 1368.4 | 649.5  | 435.6  | 412.4  | 400.9  | 377.8  | 356.5  | 354.6  |
| 72.5° | 12704.5 | 10106.5 | 3214.6 | 1349.0 | 645.6  | 385.4  | 360.4  | 345.0  | 331.5  | 312.2  | 312.2  |
| 75°   | 9125.5  | 7435.4  | 2453.4 | 1216.1 | 597.4  | 331.5  | 304.5  | 294.9  | 275.6  | 260.2  | 264.1  |
| 77.5° | 5752.9  | 5007.0  | 1615.1 | 894.2  | 462.6  | 265.9  | 242.8  | 237.1  | 221.6  | 200.4  | 214.0  |
| 80°   | 3885.3  | 3521.1  | 942.4  | 562.8  | 291.0  | 194.7  | 187.0  | 185.0  | 167.7  | 144.6  | 146.5  |
| 82.5° | 2644.2  | 2594.1  | 489.5  | 319.9  | 167.7  | 113.7  | 109.8  | 113.7  | 94.4   | 77.1   | 77.1   |
| 85°   | 1033.0  | 1410.8  | 231.3  | 125.3  | 54.0   | 17.3   | 25.1   | 27.0   | 15.4   | 7.7    | 9.7    |
| 87.5° | 19.3    | 144.6   | 5.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





REPORT NUMBER: P654102

CATALOG NUMBER: GLAN-SA9A-840-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 |
| 2.5°  | 7828.5 | 7811.1 | 7840.1 | 7716.7 | 7741.7 | 7788.0 | 7811.1 | 7824.7 | 8015.4 | 7971.1 | 8092.5 |
| 5°    | 6107.4 | 6090.1 | 6201.9 | 6217.3 | 6275.1 | 6263.6 | 6319.4 | 6333.0 | 6402.4 | 6427.4 | 6597.0 |
| 7.5°  | 4442.3 | 4517.5 | 4644.7 | 4710.2 | 4808.5 | 4839.4 | 4810.4 | 4881.8 | 4737.2 | 4841.2 | 4872.1 |
| 10°   | 3569.3 | 3478.7 | 3424.7 | 3575.1 | 3594.3 | 3737.0 | 3679.1 | 3632.9 | 3717.6 | 3721.5 | 3802.5 |
| 12.5° | 2971.8 | 2777.2 | 2648.1 | 2690.4 | 2736.7 | 2798.3 | 2808.0 | 2900.5 | 2962.2 | 3020.0 | 3068.2 |
| 15°   | 2330.1 | 2262.6 | 2145.1 | 2087.2 | 2152.7 | 2177.8 | 2237.6 | 2314.6 | 2380.2 | 2397.5 | 2463.0 |
| 17.5° | 1788.5 | 1800.1 | 1780.8 | 1746.1 | 1786.5 | 1805.8 | 1809.7 | 1811.6 | 1828.9 | 1817.4 | 1913.8 |
| 20°   | 1439.6 | 1480.2 | 1528.3 | 1536.0 | 1549.5 | 1559.1 | 1541.8 | 1476.3 | 1478.2 | 1518.7 | 1549.5 |
| 22.5° | 1302.8 | 1310.5 | 1364.5 | 1381.8 | 1424.2 | 1406.9 | 1356.8 | 1325.9 | 1322.1 | 1331.7 | 1347.1 |
| 25°   | 1194.9 | 1206.5 | 1245.0 | 1272.0 | 1304.7 | 1273.9 | 1237.3 | 1208.3 | 1204.6 | 1214.2 | 1229.6 |
| 27.5° | 1098.5 | 1115.8 | 1150.6 | 1177.6 | 1208.3 | 1179.5 | 1144.8 | 1119.7 | 1117.8 | 1115.8 | 1125.5 |
| 30°   | 1021.5 | 1040.7 | 1065.8 | 1096.6 | 1117.8 | 1092.7 | 1060.0 | 1046.5 | 1044.6 | 1040.7 | 1044.6 |
| 32.5° | 944.4  | 975.2  | 1000.3 | 1015.7 | 1036.9 | 1017.6 | 992.5  | 984.8  | 971.4  | 959.7  | 954.0  |
| 35°   | 857.7  | 890.4  | 929.0  | 948.2  | 969.4  | 950.2  | 932.8  | 900.0  | 876.9  | 875.0  | 878.8  |
| 37.5° | 807.5  | 821.0  | 851.8  | 884.6  | 905.8  | 896.2  | 863.4  | 830.7  | 824.9  | 824.9  | 828.7  |
| 40°   | 763.2  | 769.0  | 782.5  | 824.9  | 863.4  | 834.5  | 794.0  | 784.4  | 784.4  | 782.5  | 784.4  |
| 42.5° | 718.9  | 724.6  | 724.6  | 757.4  | 819.0  | 772.8  | 742.0  | 742.0  | 742.0  | 743.9  | 749.7  |
| 45°   | 678.4  | 680.3  | 678.4  | 701.5  | 759.3  | 720.8  | 699.6  | 705.3  | 709.2  | 713.1  | 717.0  |
| 47.5° | 643.7  | 645.6  | 643.7  | 663.0  | 691.9  | 676.5  | 664.9  | 672.6  | 680.3  | 686.1  | 690.0  |
| 50°   | 612.8  | 610.9  | 614.8  | 626.4  | 639.8  | 643.7  | 636.0  | 647.6  | 651.4  | 659.1  | 668.8  |
| 52.5° | 585.9  | 584.0  | 587.8  | 593.6  | 612.8  | 612.8  | 612.8  | 622.5  | 630.2  | 637.9  | 651.4  |
| 55°   | 555.1  | 557.0  | 562.8  | 570.5  | 595.5  | 591.6  | 593.6  | 601.3  | 609.1  | 620.6  | 628.3  |
| 57.5° | 526.1  | 530.0  | 537.7  | 549.3  | 574.3  | 572.4  | 574.3  | 578.2  | 587.8  | 593.6  | 601.3  |
| 60°   | 493.4  | 501.1  | 510.7  | 518.4  | 543.5  | 541.5  | 551.2  | 558.9  | 564.6  | 564.6  | 568.5  |
| 62.5° | 460.6  | 472.1  | 481.8  | 487.6  | 514.6  | 516.5  | 530.0  | 535.8  | 539.7  | 535.8  | 541.5  |
| 65°   | 427.8  | 445.2  | 449.0  | 456.7  | 483.7  | 485.7  | 501.1  | 514.6  | 510.7  | 506.9  | 516.5  |
| 67.5° | 395.1  | 416.3  | 414.4  | 424.0  | 450.9  | 454.8  | 468.4  | 491.5  | 483.7  | 479.9  | 487.6  |
| 70°   | 358.4  | 373.9  | 375.8  | 381.6  | 418.2  | 412.4  | 433.6  | 454.8  | 449.0  | 450.9  | 450.9  |
| 72.5° | 318.0  | 331.5  | 331.5  | 343.0  | 381.6  | 372.0  | 389.3  | 412.4  | 412.4  | 410.5  | 410.5  |
| 75°   | 269.8  | 277.5  | 285.3  | 302.6  | 343.0  | 331.5  | 343.0  | 364.2  | 368.1  | 364.2  | 364.2  |
| 77.5° | 217.8  | 229.3  | 233.2  | 256.3  | 285.3  | 283.3  | 294.9  | 304.5  | 312.2  | 308.4  | 308.4  |
| 80°   | 154.2  | 165.8  | 181.2  | 206.2  | 223.5  | 229.3  | 235.1  | 242.8  | 246.7  | 246.7  | 250.5  |
| 82.5° | 86.7   | 104.0  | 117.6  | 142.6  | 150.3  | 179.2  | 177.3  | 183.1  | 177.3  | 156.1  | 173.4  |
| 85°   | 19.3   | 36.6   | 52.1   | 65.5   | 75.2   | 104.0  | 109.8  | 123.4  | 102.2  | 94.4   | 94.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 15.4   | 30.9   | 42.4   | 36.6   | 30.9   | 30.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P654102

CATALOG NUMBER: GLAN-SA9A-840-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°    | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6 | 9389.6  | 9389.6  | 9389.6  | 9389.6  |
| 2.5°  | 8194.7 | 8362.3 | 8564.7 | 8913.5 | 9158.3 | 9422.3 | 9688.3  | 9971.6  | 10046.8 | 10123.9 |
| 5°    | 6643.2 | 6972.8 | 7152.0 | 7620.4 | 8111.8 | 8736.2 | 9247.0  | 9805.9  | 10039.0 | 10093.0 |
| 7.5°  | 5032.0 | 5255.6 | 5725.9 | 6199.9 | 6809.0 | 7464.2 | 8246.7  | 9117.9  | 9389.6  | 9503.3  |
| 10°   | 3989.5 | 4293.9 | 4706.3 | 5215.1 | 5749.0 | 6454.3 | 7337.1  | 8354.7  | 8740.1  | 8803.7  |
| 12.5° | 3395.8 | 3735.0 | 4184.1 | 4721.8 | 5226.7 | 5758.7 | 6649.0  | 7699.4  | 8111.8  | 8248.6  |
| 15°   | 2715.5 | 3126.0 | 3644.5 | 4211.1 | 4760.3 | 5342.4 | 6244.3  | 7429.6  | 7905.6  | 8065.5  |
| 17.5° | 2133.4 | 2465.0 | 3025.7 | 3640.6 | 4292.0 | 5028.2 | 6159.5  | 7558.7  | 8144.6  | 8292.9  |
| 20°   | 1632.4 | 1869.5 | 2341.6 | 2991.1 | 3754.3 | 4717.9 | 6180.7  | 8046.3  | 8747.8  | 8950.2  |
| 22.5° | 1410.8 | 1532.1 | 1819.3 | 2438.0 | 3291.8 | 4448.1 | 6267.4  | 8715.0  | 9561.1  | 9898.4  |
| 25°   | 1277.7 | 1341.4 | 1503.3 | 1908.0 | 2850.4 | 4186.0 | 6465.9  | 9615.1  | 10698.2 | 10921.7 |
| 27.5° | 1164.0 | 1210.3 | 1310.5 | 1601.5 | 2449.5 | 3943.2 | 6697.2  | 10613.4 | 11760.1 | 12093.5 |
| 30°   | 1056.1 | 1117.8 | 1212.2 | 1422.3 | 2193.2 | 3721.5 | 6988.2  | 11422.8 | 12654.4 | 12964.6 |
| 32.5° | 973.3  | 1034.9 | 1121.6 | 1297.1 | 1975.4 | 3488.3 | 7161.7  | 12133.9 | 13384.8 | 13648.8 |
| 35°   | 905.8  | 957.8  | 1048.4 | 1196.8 | 1809.7 | 3311.0 | 7127.0  | 12698.7 | 14092.0 | 14361.9 |
| 37.5° | 857.7  | 902.0  | 992.5  | 1102.4 | 1684.4 | 3126.0 | 7109.6  | 13444.5 | 14953.6 | 15265.7 |
| 40°   | 813.3  | 859.6  | 942.4  | 1040.7 | 1559.1 | 2908.3 | 7119.2  | 14184.6 | 15870.9 | 16183.1 |
| 42.5° | 778.6  | 830.7  | 898.1  | 1023.4 | 1430.0 | 2732.8 | 7119.2  | 14828.3 | 16668.8 | 16969.4 |
| 45°   | 749.7  | 805.6  | 871.1  | 1021.5 | 1327.9 | 2599.9 | 7071.1  | 15381.4 | 17304.8 | 17561.1 |
| 47.5° | 724.6  | 786.3  | 880.8  | 986.7  | 1302.8 | 2503.5 | 7028.7  | 15824.7 | 17823.2 | 18064.2 |
| 50°   | 707.3  | 780.5  | 936.6  | 946.3  | 1310.5 | 2474.6 | 7232.9  | 16383.6 | 18280.0 | 18488.1 |
| 52.5° | 693.8  | 782.5  | 934.7  | 886.5  | 1297.1 | 2493.9 | 7658.9  | 17256.6 | 18914.1 | 18929.5 |
| 55°   | 666.8  | 780.5  | 886.5  | 819.0  | 1241.1 | 2526.6 | 8206.2  | 18524.8 | 19906.6 | 19918.2 |
| 57.5° | 639.8  | 759.3  | 822.9  | 761.3  | 1127.4 | 2526.6 | 8865.4  | 19725.4 | 21103.4 | 21113.1 |
| 60°   | 612.8  | 790.2  | 722.8  | 711.1  | 979.0  | 2480.4 | 9561.1  | 20253.5 | 21479.2 | 21577.5 |
| 62.5° | 585.9  | 795.9  | 645.6  | 666.8  | 871.1  | 2368.6 | 10079.6 | 19669.6 | 20970.4 | 21111.1 |
| 65°   | 555.1  | 641.8  | 595.5  | 620.6  | 815.3  | 2181.6 | 9915.7  | 18599.9 | 20014.5 | 20182.1 |
| 67.5° | 518.4  | 543.5  | 541.5  | 572.4  | 795.9  | 1906.0 | 9052.3  | 17247.0 | 18985.3 | 18975.7 |
| 70°   | 474.1  | 487.6  | 493.4  | 526.1  | 759.3  | 1692.1 | 7543.3  | 15491.2 | 17611.2 | 17827.1 |
| 72.5° | 427.8  | 439.4  | 445.2  | 474.1  | 722.8  | 1570.7 | 5855.0  | 13072.6 | 15254.2 | 15591.5 |
| 75°   | 377.8  | 385.4  | 393.2  | 418.2  | 684.2  | 1391.4 | 4170.6  | 9979.3  | 11683.0 | 12213.0 |
| 77.5° | 325.7  | 325.7  | 335.3  | 360.4  | 576.3  | 1148.6 | 2798.3  | 6999.8  | 7915.2  | 8456.8  |
| 80°   | 264.1  | 265.9  | 262.1  | 289.1  | 424.0  | 786.3  | 1590.0  | 4675.5  | 5267.2  | 5371.2  |
| 82.5° | 202.3  | 196.5  | 198.5  | 212.0  | 316.0  | 535.8  | 848.0   | 2904.4  | 2960.2  | 2902.5  |
| 85°   | 127.2  | 127.2  | 123.4  | 138.8  | 202.3  | 279.5  | 462.6   | 1778.9  | 1389.6  | 1322.1  |
| 87.5° | 52.1   | 42.4   | 48.2   | 55.9   | 96.4   | 113.7  | 181.2   | 366.2   | 140.7   | 129.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)