

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: P193048

Luminaire Tested: **GAN-AF-10-LED-U-SLL-7030-1200**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P193048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-10-LED-U-SLL-7030-1200  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 1200mA 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: 54933.4 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G5

Input Watts (W): 640  
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: 28.75 FT

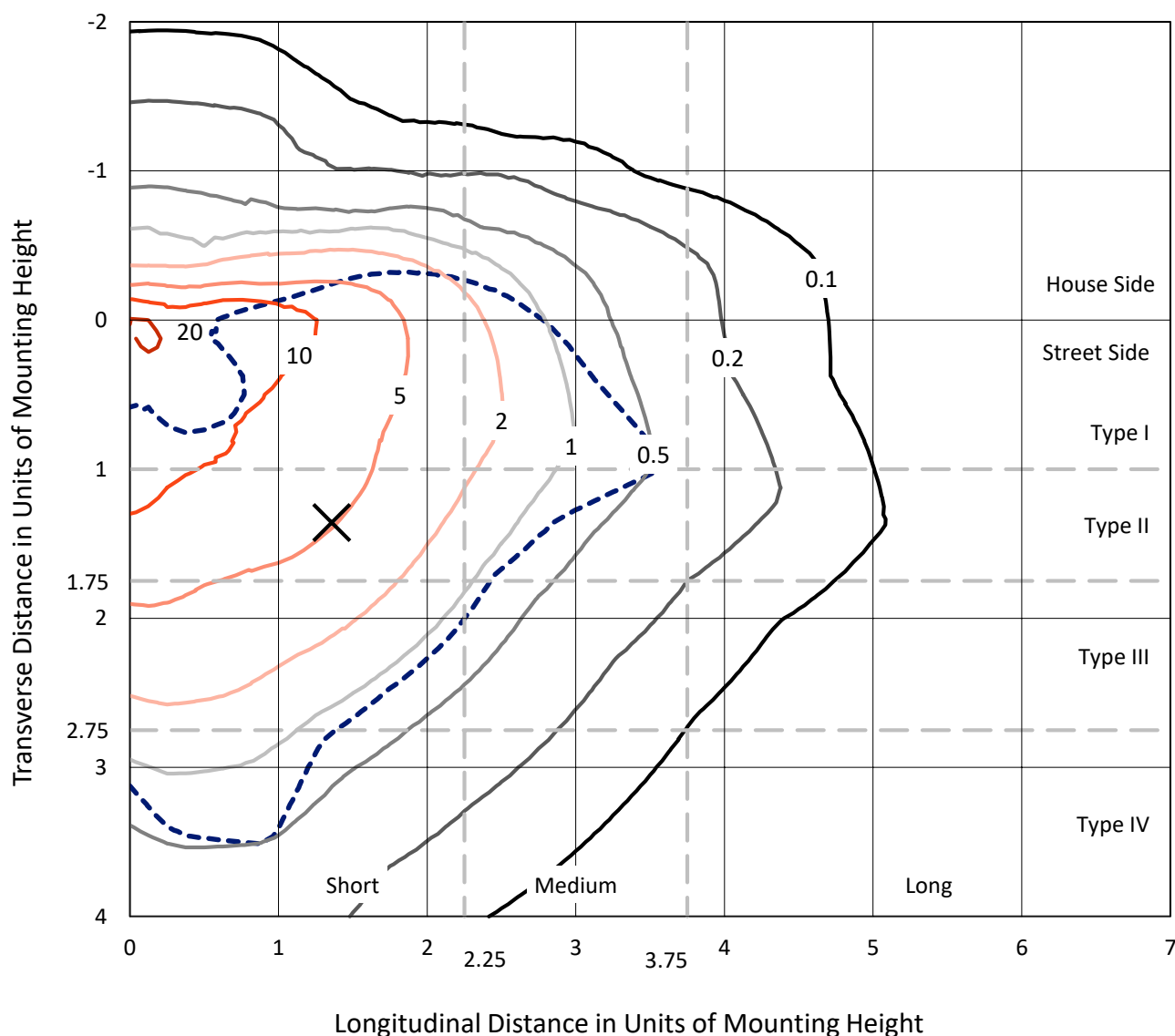


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

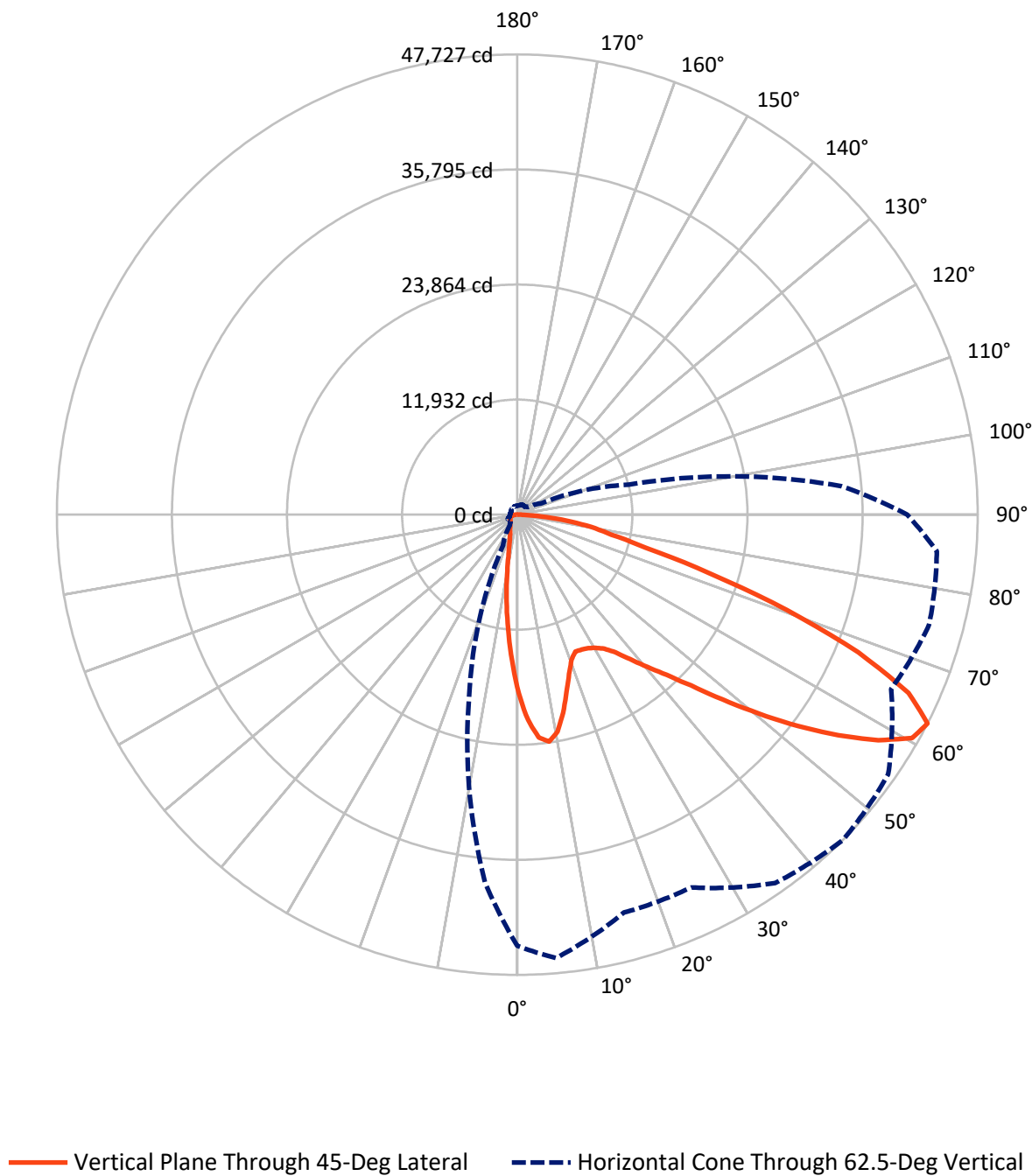


Based on 30 foot mounting height. Maximum calculated value = 24.3 fc  
 Type IV - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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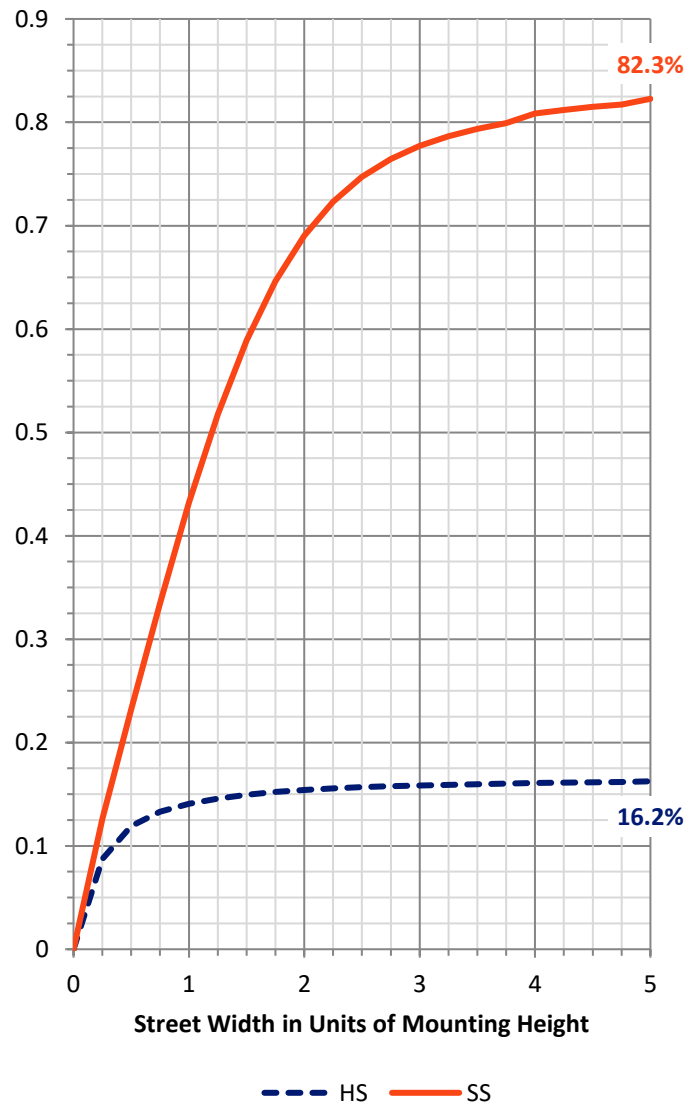
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9090.7   | 0.0    | 9090.7  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 45842.6  | 0.0    | 45842.6 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 54933.4  | 0.0    | 54933.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1351.0  | 2.5       |
| 10°-20°   | 2477.5  | 4.5       |
| 20°-30°   | 3612.1  | 6.6       |
| 30°-40°   | 5563.2  | 10.1      |
| 40°-50°   | 8187.5  | 14.9      |
| 50°-60°   | 12009.4 | 21.9      |
| 60°-70°   | 13424.8 | 24.4      |
| 70°-80°   | 6572.6  | 12.0      |
| 80°-90°   | 1735.3  | 3.2       |
| 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°    | 54933.4 | 100.0     |
| 0°-180°   | 54933.4 | 100.0     |

**Coefficient of Utilization**



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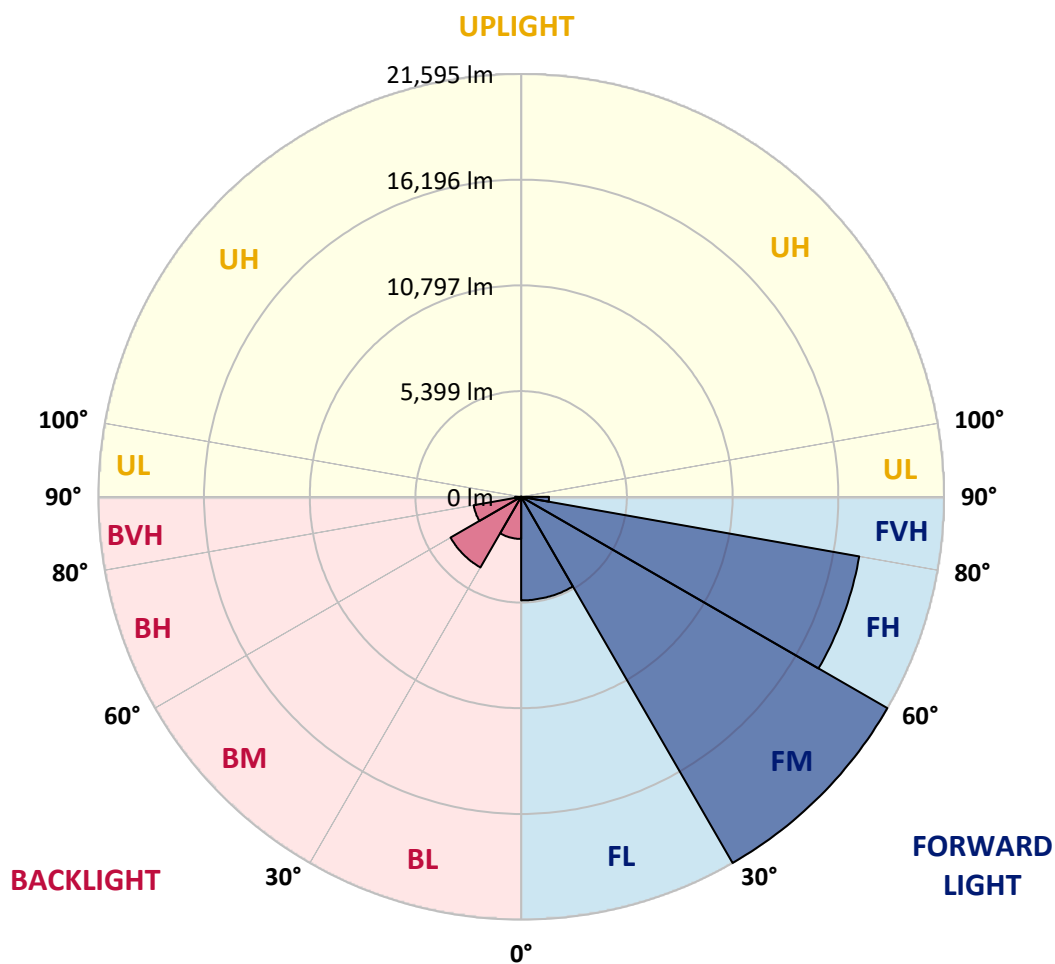
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5289.9  | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 21594.8 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 17532.8 | 31.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 1425.1  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 2150.7  | 3.9       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4165.3  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2464.5  | 4.5       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 310.2   | 0.6       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 |
| 2.5°  | 19284.1 | 19592.3 | 20193.2 | 20643.1 | 21189.6 | 21316.5 | 21491.7 | 21319.5 | 21014.5 | 20609.9 | 20477.1 |
| 5°    | 18133.6 | 18791.9 | 20250.5 | 21533.9 | 22675.3 | 23206.8 | 23354.8 | 22917.0 | 22032.1 | 20869.6 | 20160.0 |
| 7.5°  | 16288.6 | 17224.7 | 19199.7 | 21090.0 | 22772.1 | 23765.5 | 23741.4 | 22723.7 | 21096.1 | 19202.7 | 18064.2 |
| 10°   | 14697.2 | 15766.2 | 18030.9 | 20144.7 | 21929.5 | 22892.8 | 22521.4 | 21219.9 | 19278.1 | 17097.9 | 15862.8 |
| 12.5° | 13806.3 | 14854.3 | 17152.3 | 19275.1 | 20766.9 | 21099.0 | 20815.2 | 19540.9 | 17710.9 | 15506.5 | 14425.4 |
| 15°   | 13652.4 | 14802.9 | 16802.0 | 18529.3 | 19365.7 | 19075.8 | 18737.6 | 18166.9 | 16874.4 | 14993.1 | 13866.7 |
| 17.5° | 14319.7 | 15588.0 | 17203.5 | 18009.9 | 17867.9 | 17363.6 | 17267.0 | 17330.3 | 17019.5 | 15563.9 | 14265.3 |
| 20°   | 15600.0 | 17122.0 | 18160.8 | 17765.2 | 16729.4 | 16034.9 | 16059.0 | 17028.4 | 17949.4 | 17010.3 | 15527.6 |
| 22.5° | 17396.8 | 19133.2 | 19540.9 | 17895.1 | 16249.4 | 15424.9 | 15624.3 | 17194.5 | 19432.2 | 19124.2 | 17230.7 |
| 25°   | 19722.1 | 21304.5 | 21011.5 | 18366.2 | 16297.6 | 15500.4 | 15660.4 | 17768.3 | 21183.6 | 21238.1 | 19338.6 |
| 27.5° | 21974.8 | 23442.4 | 22246.6 | 18991.2 | 16496.9 | 15678.6 | 15890.0 | 18671.2 | 22856.6 | 23533.1 | 21748.3 |
| 30°   | 23732.3 | 24753.0 | 22735.8 | 19562.0 | 16889.6 | 16025.8 | 16288.6 | 19528.8 | 23617.6 | 25082.1 | 23602.4 |
| 32.5° | 25187.9 | 25921.6 | 23514.9 | 20268.6 | 17611.3 | 16572.5 | 17034.5 | 20570.6 | 24713.7 | 26555.8 | 25417.3 |
| 35°   | 27048.0 | 27256.4 | 24484.2 | 21056.8 | 18725.5 | 17523.6 | 18097.3 | 21591.3 | 25758.5 | 28044.5 | 27205.0 |
| 37.5° | 29228.3 | 28959.5 | 25399.2 | 22134.9 | 20166.0 | 19012.4 | 19486.5 | 22711.6 | 26619.2 | 29732.6 | 29032.0 |
| 40°   | 31384.4 | 30738.1 | 26546.7 | 23807.8 | 22267.7 | 20766.9 | 21328.6 | 23907.4 | 27422.4 | 31423.6 | 30816.7 |
| 42.5° | 33217.3 | 32260.1 | 27679.0 | 25646.9 | 24224.5 | 22702.6 | 23373.0 | 25112.3 | 28189.4 | 32867.1 | 32365.8 |
| 45°   | 34573.2 | 33383.5 | 28757.1 | 27413.3 | 26921.2 | 25275.4 | 25592.5 | 26492.3 | 29020.0 | 34072.0 | 33640.2 |
| 47.5° | 35784.1 | 34512.9 | 29977.1 | 29195.0 | 29279.7 | 28621.3 | 28111.0 | 28098.9 | 29998.3 | 35056.4 | 34845.1 |
| 50°   | 37405.8 | 36080.1 | 31287.7 | 31031.0 | 32818.8 | 32380.9 | 31254.4 | 29974.1 | 31236.4 | 36173.7 | 36149.5 |
| 52.5° | 39640.4 | 38562.4 | 32888.2 | 33009.0 | 36122.4 | 36409.2 | 35014.1 | 32226.9 | 33175.1 | 38224.2 | 38079.1 |
| 55°   | 42282.7 | 41654.5 | 35068.5 | 35282.9 | 40174.8 | 40380.2 | 38994.2 | 35044.4 | 36025.7 | 41192.6 | 40791.0 |
| 57.5° | 44345.2 | 44212.3 | 37460.1 | 38012.7 | 43200.7 | 44124.8 | 42850.4 | 38305.6 | 39238.9 | 43692.9 | 42684.4 |
| 60°   | 45166.5 | 45809.7 | 40005.9 | 40766.9 | 46000.0 | 47023.8 | 45906.4 | 41171.4 | 42086.4 | 44728.7 | 42554.6 |
| 62.5° | 44722.6 | 46160.1 | 42717.5 | 42654.2 | 46625.1 | 47727.2 | 46942.1 | 42765.8 | 44197.2 | 43659.7 | 40401.4 |
| 65°   | 42672.3 | 44900.8 | 44290.9 | 42167.9 | 44487.1 | 44577.7 | 44324.1 | 42053.3 | 44695.4 | 40280.6 | 36240.2 |
| 67.5° | 38206.0 | 41413.0 | 42219.3 | 38000.7 | 38719.4 | 38130.5 | 37704.8 | 38151.7 | 42098.4 | 35216.5 | 30457.3 |
| 70°   | 31118.6 | 35944.2 | 36330.8 | 30393.8 | 30067.7 | 29672.2 | 28823.5 | 31278.6 | 36974.0 | 28862.9 | 24167.2 |
| 72.5° | 22880.7 | 27954.0 | 29140.6 | 22291.8 | 20781.9 | 20863.5 | 20193.2 | 23572.2 | 30061.7 | 21440.3 | 18043.1 |
| 75°   | 15654.4 | 20241.5 | 22799.2 | 15554.8 | 13742.9 | 13776.2 | 13691.6 | 16702.3 | 23943.7 | 14914.7 | 13501.3 |
| 77.5° | 11435.8 | 14461.7 | 17194.5 | 10457.4 | 10152.5 | 9965.2  | 9919.8  | 11686.5 | 18357.0 | 10828.9 | 10484.6 |
| 80°   | 9177.0  | 10683.9 | 11550.6 | 7247.3  | 7794.0  | 7778.9  | 7528.3  | 8035.6  | 11988.5 | 7920.9  | 7842.3  |
| 82.5° | 6365.7  | 8210.8  | 9358.3  | 5680.2  | 5260.4  | 5172.9  | 5233.3  | 5985.1  | 8473.5  | 5414.5  | 5148.8  |
| 85°   | 3358.0  | 5453.6  | 9267.7  | 5033.9  | 3122.4  | 2491.3  | 3098.3  | 4901.1  | 7341.0  | 2868.8  | 2512.4  |
| 87.5° | 428.9   | 1576.3  | 6136.1  | 2008.1  | 1232.1  | 664.3   | 1470.6  | 2760.1  | 4713.9  | 585.8   | 510.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    | 185°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 |
| 2.5°  | 20135.7 | 19734.2 | 19208.7 | 18722.5 | 18218.2 | 17716.9 | 17061.6 | 16651.0 | 16367.1 | 16312.7 | 16192.0 |
| 5°    | 19646.6 | 18311.9 | 17303.3 | 16430.5 | 15639.4 | 14522.0 | 13903.0 | 13389.6 | 13114.8 | 13087.6 | 13021.2 |
| 7.5°  | 17390.8 | 15548.8 | 14186.9 | 12951.7 | 11831.4 | 10928.5 | 9932.0  | 9467.0  | 9276.6  | 9322.0  | 9367.4  |
| 10°   | 15044.5 | 12985.0 | 11420.8 | 10158.5 | 9171.0  | 8410.0  | 7609.8  | 7069.3  | 6694.9  | 6619.4  | 6604.1  |
| 12.5° | 13329.2 | 11070.4 | 9551.6  | 8660.7  | 7896.7  | 7180.9  | 6332.4  | 5695.2  | 5209.1  | 5043.0  | 4931.3  |
| 15°   | 12604.4 | 10134.4 | 8542.9  | 7582.6  | 6740.1  | 5831.1  | 5043.0  | 4375.7  | 3928.8  | 3783.7  | 3702.2  |
| 17.5° | 12758.5 | 9874.7  | 7848.3  | 6619.4  | 5541.3  | 4593.0  | 3599.5  | 3028.7  | 2760.1  | 2690.6  | 2690.6  |
| 20°   | 13567.9 | 9826.3  | 7274.6  | 5731.5  | 4387.8  | 3288.4  | 2473.2  | 2147.1  | 2059.4  | 2050.5  | 2074.7  |
| 22.5° | 14703.2 | 9995.4  | 6845.7  | 4961.5  | 3409.3  | 2400.8  | 1926.6  | 1805.8  | 1766.6  | 1775.6  | 1802.8  |
| 25°   | 16394.3 | 10566.1 | 6534.8  | 4276.0  | 2675.5  | 1965.9  | 1718.2  | 1645.8  | 1627.6  | 1651.8  | 1685.0  |
| 27.5° | 18399.4 | 11136.9 | 6341.5  | 3759.6  | 2258.8  | 1796.8  | 1633.7  | 1558.1  | 1570.3  | 1600.4  | 1630.7  |
| 30°   | 20160.0 | 11605.0 | 6036.5  | 3391.2  | 2128.9  | 1805.8  | 1633.7  | 1531.0  | 1518.9  | 1524.9  | 1534.0  |
| 32.5° | 21739.2 | 11922.1 | 5680.2  | 3040.9  | 1836.0  | 1603.5  | 1524.9  | 1509.9  | 1443.5  | 1419.3  | 1422.3  |
| 35°   | 23101.1 | 11922.1 | 5465.8  | 2835.6  | 1645.8  | 1422.3  | 1295.5  | 1220.0  | 1186.8  | 1189.9  | 1223.0  |
| 37.5° | 24414.7 | 11683.4 | 5360.0  | 2720.8  | 1543.1  | 1352.8  | 1241.0  | 1174.6  | 1129.4  | 1120.4  | 1126.4  |
| 40°   | 25574.4 | 11336.2 | 5239.3  | 2672.5  | 1464.6  | 1310.6  | 1204.9  | 1150.5  | 1102.2  | 1087.1  | 1090.1  |
| 42.5° | 26504.4 | 11055.4 | 5106.4  | 2609.1  | 1416.2  | 1280.4  | 1180.8  | 1132.4  | 1078.1  | 1063.0  | 1060.0  |
| 45°   | 27510.1 | 10961.8 | 4931.3  | 2482.3  | 1440.5  | 1283.4  | 1174.6  | 1123.4  | 1069.0  | 1050.8  | 1044.8  |
| 47.5° | 28835.7 | 11254.7 | 4750.0  | 2331.3  | 1491.7  | 1298.5  | 1183.8  | 1123.4  | 1066.0  | 1050.8  | 1044.8  |
| 50°   | 30505.6 | 11943.1 | 4520.6  | 2110.8  | 1440.5  | 1340.7  | 1180.8  | 1114.3  | 1066.0  | 1050.8  | 1038.8  |
| 52.5° | 32649.6 | 12873.3 | 4218.6  | 1857.2  | 1410.2  | 1443.5  | 1174.6  | 1096.2  | 1050.8  | 1029.8  | 1008.6  |
| 55°   | 35255.7 | 13634.3 | 3859.2  | 1648.8  | 1340.7  | 1416.2  | 1165.6  | 1075.0  | 1026.7  | 996.6   | 978.4   |
| 57.5° | 37164.2 | 13909.0 | 3397.2  | 1512.9  | 1244.1  | 1370.9  | 1153.6  | 1047.9  | 996.6   | 972.4   | 948.2   |
| 60°   | 36786.7 | 13377.6 | 3007.7  | 1428.3  | 1186.8  | 1238.1  | 1144.5  | 1023.6  | 969.3   | 951.2   | 930.2   |
| 62.5° | 33764.0 | 11988.5 | 2757.0  | 1389.1  | 1150.5  | 1129.4  | 1153.6  | 999.5   | 945.2   | 927.1   | 921.0   |
| 65°   | 29231.3 | 9938.0  | 2657.4  | 1380.1  | 1120.4  | 1066.0  | 1072.1  | 972.4   | 918.0   | 902.9   | 896.9   |
| 67.5° | 24112.8 | 8020.5  | 2569.8  | 1410.2  | 1081.1  | 1020.7  | 990.4   | 936.2   | 890.8   | 875.7   | 863.7   |
| 70°   | 19015.5 | 6670.6  | 2530.6  | 1392.1  | 1032.7  | 975.3   | 942.2   | 896.9   | 857.5   | 842.5   | 833.4   |
| 72.5° | 15313.2 | 5634.8  | 2509.4  | 1374.1  | 969.3   | 914.9   | 884.8   | 845.5   | 803.3   | 797.3   | 788.2   |
| 75°   | 12957.8 | 4430.0  | 2298.0  | 1316.6  | 896.9   | 842.5   | 821.4   | 785.1   | 742.9   | 742.9   | 736.9   |
| 77.5° | 9995.4  | 3203.9  | 1911.5  | 1165.6  | 821.4   | 761.0   | 742.9   | 715.6   | 667.3   | 676.5   | 673.4   |
| 80°   | 7383.3  | 2089.7  | 1494.7  | 966.3   | 727.7   | 670.5   | 661.3   | 634.1   | 582.8   | 594.9   | 594.9   |
| 82.5° | 5058.0  | 1370.9  | 1075.0  | 791.1   | 622.1   | 567.7   | 567.7   | 540.5   | 483.2   | 489.2   | 507.3   |
| 85°   | 2539.6  | 942.2   | 803.3   | 613.1   | 483.2   | 455.9   | 455.9   | 434.9   | 377.5   | 380.4   | 404.7   |
| 87.5° | 773.0   | 567.7   | 531.4   | 437.9   | 347.2   | 341.2   | 326.1   | 311.1   | 274.8   | 271.7   | 287.0   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |





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**CANDELA DISTRIBUTION (continued):**

|       | 195°    | 205°    | 215°    | 225°    | 235°    | 245°    | 255°    | 265°    | 270°    | 275°    | 285°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 |
| 2.5°  | 16007.8 | 15835.6 | 15627.3 | 15168.3 | 15014.3 | 15005.2 | 15144.1 | 14999.1 | 15276.9 | 15159.1 | 15289.0 |
| 5°    | 12909.5 | 12740.4 | 12507.9 | 11922.1 | 11565.6 | 11324.0 | 11209.4 | 10871.2 | 11115.7 | 10937.6 | 11085.6 |
| 7.5°  | 9494.1  | 9533.4  | 9379.4  | 9035.0  | 8259.0  | 7869.5  | 7640.0  | 7434.6  | 7612.8  | 7594.7  | 7878.5  |
| 10°   | 6673.7  | 6779.3  | 6670.6  | 6323.4  | 5695.2  | 5480.9  | 5523.2  | 5604.7  | 5837.1  | 5958.0  | 6395.8  |
| 12.5° | 4804.4  | 4798.4  | 4729.0  | 4417.9  | 4004.3  | 4028.4  | 4200.5  | 4342.4  | 4556.7  | 4683.6  | 5130.6  |
| 15°   | 3587.5  | 3533.1  | 3503.0  | 3249.3  | 3013.7  | 3065.0  | 3149.6  | 3164.7  | 3300.6  | 3376.1  | 3738.5  |
| 17.5° | 2711.7  | 2738.9  | 2772.1  | 2591.0  | 2412.8  | 2379.5  | 2313.1  | 2231.6  | 2270.9  | 2285.9  | 2467.2  |
| 20°   | 2153.1  | 2261.7  | 2343.3  | 2216.6  | 2035.3  | 1938.7  | 1854.1  | 1799.8  | 1799.8  | 1796.8  | 1848.1  |
| 22.5° | 1881.3  | 1959.8  | 2047.4  | 1959.8  | 1796.8  | 1712.2  | 1663.9  | 1621.6  | 1615.6  | 1615.6  | 1663.9  |
| 25°   | 1733.3  | 1790.8  | 1875.3  | 1814.9  | 1694.1  | 1630.7  | 1585.4  | 1531.0  | 1509.9  | 1503.9  | 1537.1  |
| 27.5° | 1660.8  | 1685.0  | 1727.3  | 1673.0  | 1570.3  | 1540.1  | 1528.0  | 1479.7  | 1452.5  | 1437.5  | 1470.6  |
| 30°   | 1537.1  | 1531.0  | 1534.0  | 1479.7  | 1398.2  | 1395.1  | 1416.2  | 1425.3  | 1416.2  | 1413.3  | 1464.6  |
| 32.5° | 1422.3  | 1410.2  | 1407.3  | 1358.8  | 1283.4  | 1265.3  | 1283.4  | 1301.5  | 1322.7  | 1352.8  | 1413.3  |
| 35°   | 1277.4  | 1307.5  | 1325.7  | 1283.4  | 1192.8  | 1138.5  | 1117.2  | 1084.1  | 1066.0  | 1066.0  | 1135.4  |
| 37.5° | 1162.6  | 1232.1  | 1259.2  | 1220.0  | 1120.4  | 1044.8  | 1008.6  | 1002.6  | 1005.6  | 1017.6  | 1084.1  |
| 40°   | 1123.4  | 1174.6  | 1198.8  | 1159.6  | 1060.0  | 990.4   | 969.3   | 963.3   | 969.3   | 987.4   | 1054.0  |
| 42.5° | 1099.1  | 1135.4  | 1132.4  | 1084.1  | 1002.6  | 954.3   | 942.2   | 936.2   | 942.2   | 960.3   | 1032.7  |
| 45°   | 1078.1  | 1102.2  | 1078.1  | 1020.7  | 945.2   | 921.0   | 924.0   | 921.0   | 927.1   | 945.2   | 1014.7  |
| 47.5° | 1060.0  | 1069.0  | 1038.8  | 981.4   | 902.9   | 896.9   | 908.9   | 918.0   | 924.0   | 939.2   | 1011.6  |
| 50°   | 1032.7  | 1032.7  | 1005.6  | 945.2   | 866.7   | 869.7   | 884.8   | 906.0   | 908.9   | 927.1   | 984.4   |
| 52.5° | 999.5   | 996.6   | 978.4   | 921.0   | 836.5   | 845.5   | 845.5   | 869.7   | 875.7   | 896.9   | 957.2   |
| 55°   | 972.4   | 966.3   | 957.2   | 902.9   | 809.3   | 824.4   | 815.3   | 824.4   | 839.5   | 860.6   | 927.1   |
| 57.5° | 948.2   | 936.2   | 936.2   | 887.8   | 788.2   | 794.2   | 773.0   | 785.1   | 803.3   | 821.4   | 890.8   |
| 60°   | 924.0   | 912.0   | 918.0   | 866.7   | 755.0   | 748.9   | 739.8   | 764.0   | 770.1   | 791.1   | 860.6   |
| 62.5° | 896.9   | 887.8   | 890.8   | 842.5   | 730.8   | 715.6   | 715.6   | 736.9   | 739.8   | 770.1   | 836.5   |
| 65°   | 875.7   | 863.7   | 860.6   | 818.4   | 703.6   | 685.5   | 694.6   | 703.6   | 709.6   | 739.8   | 803.3   |
| 67.5° | 854.6   | 830.5   | 830.5   | 797.3   | 673.4   | 655.3   | 673.4   | 670.5   | 679.5   | 706.6   | 757.9   |
| 70°   | 827.4   | 794.2   | 797.3   | 782.1   | 643.2   | 622.1   | 637.2   | 634.1   | 640.1   | 658.3   | 709.6   |
| 72.5° | 785.1   | 757.9   | 764.0   | 757.9   | 613.1   | 582.8   | 588.9   | 588.9   | 588.9   | 603.9   | 658.3   |
| 75°   | 730.8   | 709.6   | 727.7   | 742.9   | 576.8   | 534.5   | 540.5   | 540.5   | 531.4   | 540.5   | 606.9   |
| 77.5° | 664.3   | 652.3   | 712.7   | 691.5   | 534.5   | 483.2   | 483.2   | 477.1   | 459.0   | 471.1   | 543.6   |
| 80°   | 591.8   | 582.8   | 658.3   | 579.8   | 486.2   | 419.8   | 413.6   | 398.6   | 380.4   | 389.5   | 462.0   |
| 82.5° | 516.4   | 507.3   | 552.7   | 443.9   | 419.8   | 347.2   | 332.1   | 305.0   | 287.0   | 296.0   | 362.4   |
| 85°   | 422.8   | 422.8   | 425.8   | 335.2   | 320.1   | 265.7   | 247.6   | 211.4   | 190.2   | 196.3   | 259.7   |
| 87.5° | 302.0   | 311.1   | 287.0   | 229.6   | 190.2   | 147.9   | 135.9   | 114.7   | 96.5    | 111.8   | 135.9   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 | 18559.5 |
| 2.5°  | 15953.4 | 16285.5 | 16663.0 | 17146.2 | 17559.9 | 18239.3 | 18891.6 | 19284.1 |
| 5°    | 11928.1 | 12480.6 | 13169.1 | 14054.0 | 14878.4 | 16116.5 | 17345.5 | 18133.6 |
| 7.5°  | 8536.9  | 9128.7  | 9871.6  | 10976.8 | 12142.4 | 13721.8 | 15346.4 | 16288.6 |
| 10°   | 7063.2  | 7670.2  | 8295.3  | 9041.2  | 9995.4  | 11713.6 | 13634.3 | 14697.2 |
| 12.5° | 5843.1  | 6492.5  | 7165.9  | 7951.1  | 8835.8  | 10369.9 | 12583.4 | 13806.3 |
| 15°   | 4472.3  | 5197.0  | 5991.2  | 6984.7  | 8093.0  | 9865.6  | 12323.7 | 13652.4 |
| 17.5° | 3065.0  | 3874.4  | 4849.7  | 6075.8  | 7431.6  | 9702.4  | 12788.7 | 14319.7 |
| 20°   | 2110.8  | 2699.7  | 3741.5  | 5178.9  | 6809.6  | 9681.4  | 13682.5 | 15600.0 |
| 22.5° | 1766.6  | 2029.3  | 2790.3  | 4354.5  | 6341.5  | 9941.1  | 15068.6 | 17396.8 |
| 25°   | 1633.7  | 1790.8  | 2228.6  | 3638.8  | 6000.3  | 10538.9 | 16977.1 | 19722.1 |
| 27.5° | 1555.2  | 1697.2  | 2023.3  | 3170.7  | 5731.5  | 11233.5 | 18834.2 | 21974.8 |
| 30°   | 1585.4  | 1730.3  | 1965.9  | 2932.2  | 5366.2  | 11813.3 | 20483.1 | 23732.3 |
| 32.5° | 1428.3  | 1491.7  | 1685.0  | 2720.8  | 5103.4  | 12299.6 | 21926.4 | 25187.9 |
| 35°   | 1216.9  | 1328.7  | 1503.9  | 2621.1  | 5109.4  | 12625.7 | 23499.8 | 27048.0 |
| 37.5° | 1159.6  | 1271.3  | 1398.2  | 2585.0  | 5178.9  | 12972.9 | 25305.6 | 29228.3 |
| 40°   | 1123.4  | 1226.0  | 1334.7  | 2563.8  | 5245.3  | 13290.0 | 27075.2 | 31384.4 |
| 42.5° | 1099.1  | 1192.8  | 1328.7  | 2491.3  | 5278.6  | 13573.9 | 28530.7 | 33217.3 |
| 45°   | 1096.2  | 1192.8  | 1352.8  | 2418.8  | 5329.8  | 13878.8 | 29750.6 | 34573.2 |
| 47.5° | 1099.1  | 1232.1  | 1307.5  | 2331.3  | 5329.8  | 14389.1 | 31182.0 | 35784.1 |
| 50°   | 1087.1  | 1298.5  | 1259.2  | 2207.5  | 5206.1  | 15355.6 | 33144.9 | 37405.8 |
| 52.5° | 1081.1  | 1289.5  | 1165.6  | 2017.3  | 4991.6  | 16889.6 | 35660.4 | 39640.4 |
| 55°   | 1066.0  | 1244.1  | 1099.1  | 1733.3  | 4741.0  | 18562.5 | 38354.0 | 42282.7 |
| 57.5° | 1050.8  | 1102.2  | 1063.0  | 1485.7  | 4354.5  | 19740.2 | 40208.2 | 44345.2 |
| 60°   | 1177.7  | 963.3   | 1032.7  | 1364.9  | 3838.2  | 20063.3 | 40135.7 | 45166.5 |
| 62.5° | 1090.1  | 902.9   | 993.5   | 1337.8  | 3475.7  | 19157.4 | 38281.5 | 44722.6 |
| 65°   | 854.6   | 863.7   | 954.3   | 1416.2  | 3379.1  | 16756.6 | 34996.0 | 42672.3 |
| 67.5° | 782.1   | 824.4   | 914.9   | 1516.0  | 3388.1  | 13416.8 | 30085.8 | 38206.0 |
| 70°   | 736.9   | 782.1   | 869.7   | 1567.3  | 3412.2  | 10001.5 | 23786.7 | 31118.6 |
| 72.5° | 685.5   | 724.7   | 818.4   | 1576.3  | 3255.3  | 7265.5  | 18332.9 | 22880.7 |
| 75°   | 625.1   | 661.3   | 745.9   | 1374.1  | 2696.6  | 5040.0  | 14023.8 | 15654.4 |
| 77.5° | 555.6   | 582.8   | 655.3   | 1060.0  | 2002.0  | 3225.2  | 10526.9 | 11435.8 |
| 80°   | 474.0   | 489.2   | 549.6   | 776.1   | 1370.9  | 2017.3  | 8328.5  | 9177.0  |
| 82.5° | 380.4   | 386.6   | 425.8   | 582.8   | 890.8   | 1295.5  | 5577.4  | 6365.7  |
| 85°   | 268.8   | 268.8   | 293.0   | 422.8   | 606.9   | 821.4   | 3028.7  | 3358.0  |
| 87.5° | 126.8   | 129.8   | 129.8   | 232.5   | 317.1   | 416.8   | 697.5   | 428.9   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)