

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P623921

Luminaire Tested: **IFLD-L-SA7D-735-U-77**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623921  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-735-U-77  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

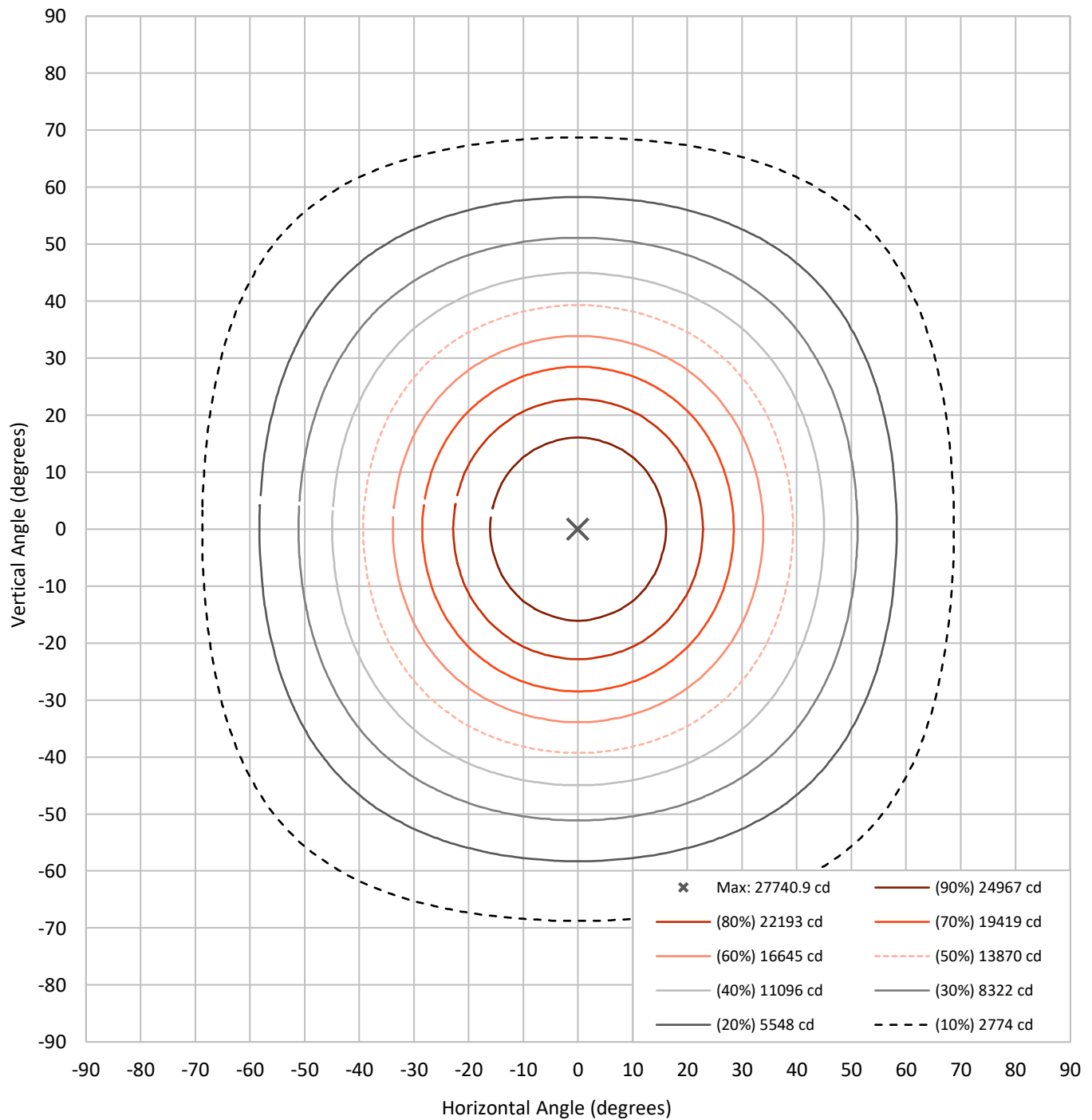
|                                   |                                    |                      |                   |
|-----------------------------------|------------------------------------|----------------------|-------------------|
| Lumens per Lamp:                  | N/A                                | NEMA Type:           | 7H x 7V           |
| Luminaire Lumens:                 | 49948.2 lumens                     | Max Intensity:       | 27740.9 candela   |
| Efficiency:                       | N/A                                | Max Intensity Angle: | 0°H x 0°V         |
| Efficacy:                         | 118.2 lumens/watt                  |                      |                   |
| Luminous Opening:                 | Rectangular (W 2' x L: 1' x H: 0') |                      |                   |
| Beam Angle (50%):                 | 78.6°H x 78.6°V                    | Field Angle (10%):   | 137.5°H x 137.5°V |
| Beam Lumens:                      | 21612.1 lumens                     | Field Lumens:        | 35389 lumens      |
| Beam Efficiency:                  | 43.3%                              | Field Efficiency:    | 70.9%             |
| Input Watts (W):                  | 422.6                              |                      |                   |
| Input Voltage (V):                | 120                                |                      |                   |
| 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:                    | 25 FT                              |                      |                   |



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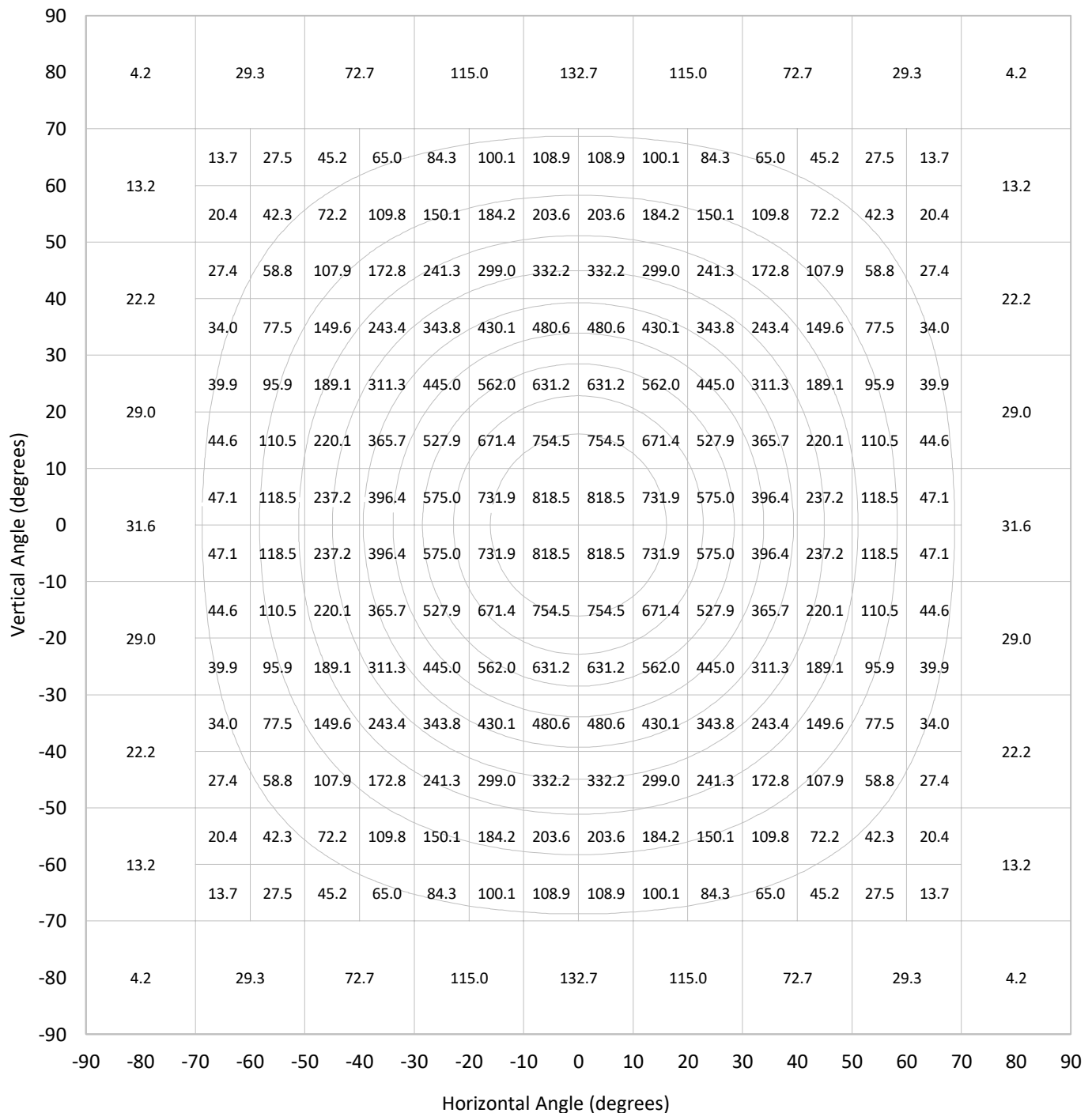
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## Iso-Candela Plot



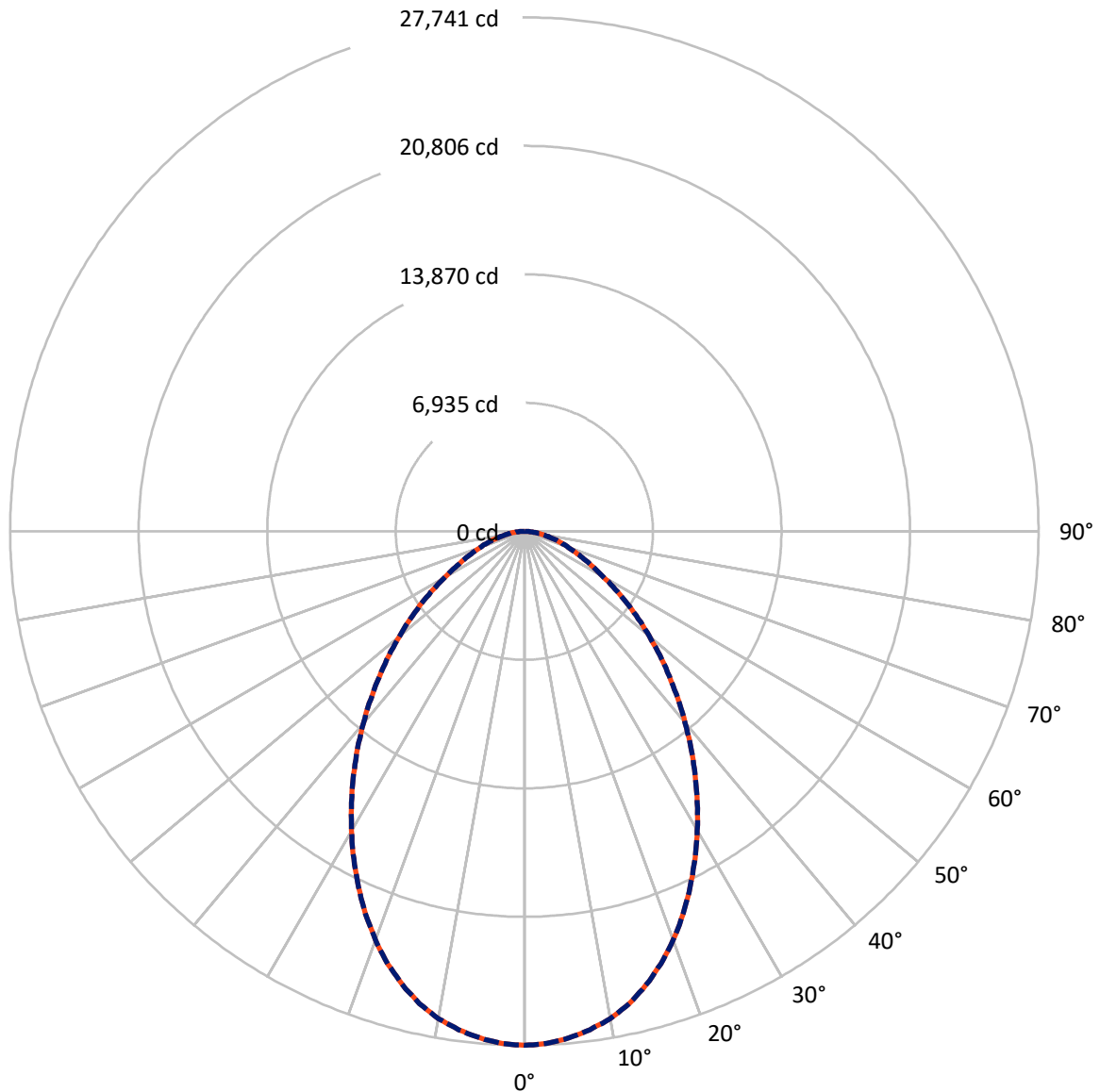
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## Lumen Table



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## Luminous Intensity Polar Plot

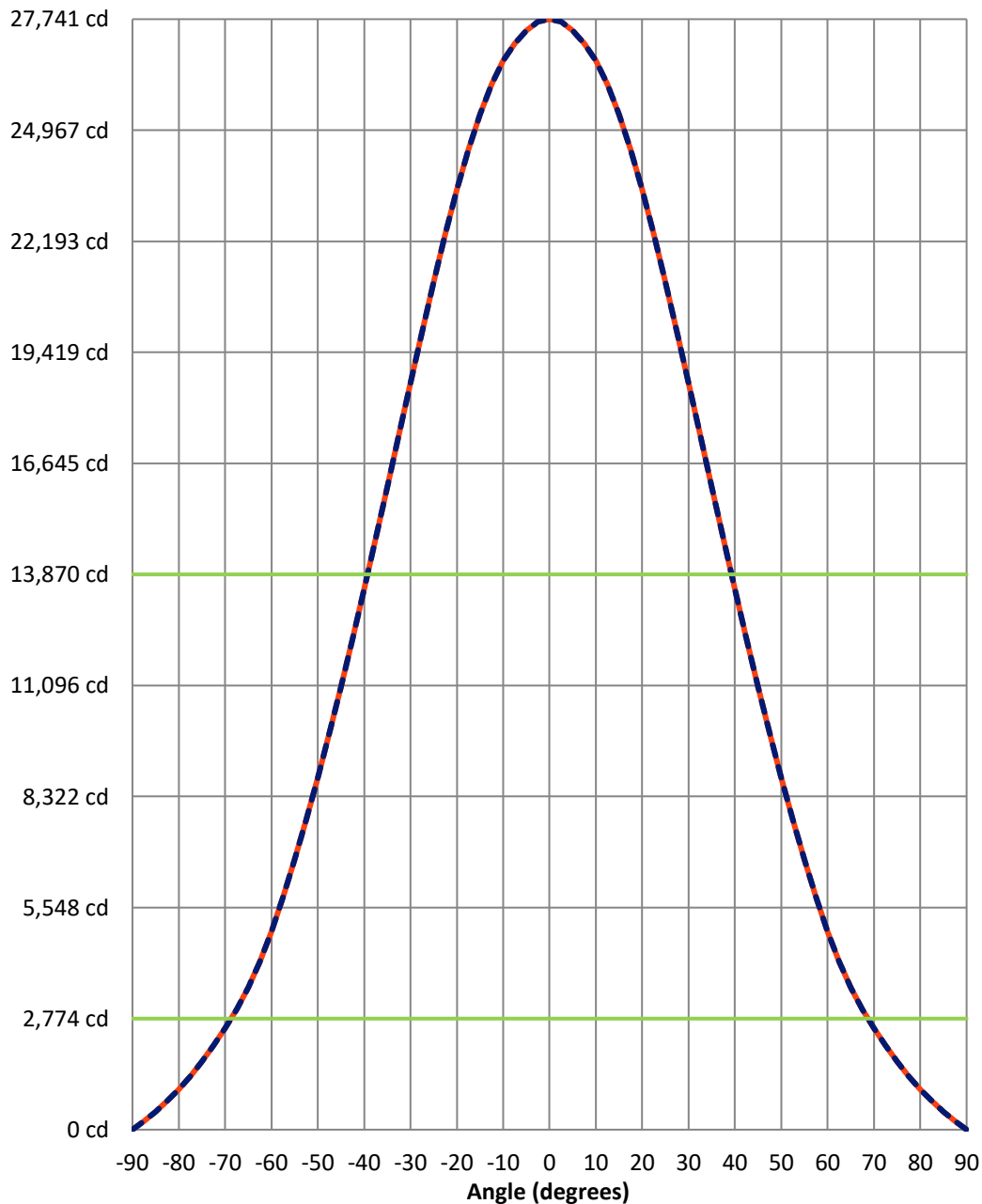


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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## Luminous Intensity Plot



**Beam:**

H Angle: 78.6°

V Angle: 78.6°

Lumens: 21612.1

Efficiency: 43.3%

**Field:**

H Angle: 137.5°

V Angle: 137.5°

Lumens: 35389

Efficiency: 70.9%

**Spill:**

Lumens: 14559.1

Efficiency: 29.1%

— Vertical Distribution through 0-Deg  
- - - Horizontal Distribution through 0-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

|       | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°     | 17.5°   | 20°     | 22.5°   | 25°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 213.5   | 213.5   | 213.5   | 213.5   | 213.5   | 213.5   | 213.5   | 203.1   | 203.1   | 197.9   | 192.7   |
| 85°   | 447.9   | 447.9   | 447.9   | 447.9   | 447.9   | 437.4   | 432.2   | 427.0   | 421.8   | 411.4   | 406.2   |
| 82.5° | 718.6   | 718.6   | 718.6   | 718.6   | 708.2   | 697.8   | 692.6   | 682.2   | 671.8   | 656.2   | 640.5   |
| 80°   | 1005.1  | 1005.1  | 1005.1  | 1005.1  | 989.4   | 979.0   | 963.4   | 953.0   | 937.4   | 916.5   | 895.7   |
| 77.5° | 1333.1  | 1333.1  | 1333.1  | 1317.5  | 1307.1  | 1291.5  | 1275.9  | 1255.0  | 1234.2  | 1208.2  | 1176.9  |
| 75°   | 1702.9  | 1702.9  | 1702.9  | 1682.1  | 1666.4  | 1650.8  | 1624.8  | 1598.7  | 1567.5  | 1531.0  | 1489.4  |
| 72.5° | 2103.9  | 2103.9  | 2103.9  | 2077.8  | 2062.2  | 2036.2  | 2004.9  | 1968.5  | 1932.0  | 1885.2  | 1833.1  |
| 70°   | 2536.1  | 2536.1  | 2536.1  | 2504.9  | 2478.8  | 2452.8  | 2411.1  | 2369.5  | 2317.4  | 2265.3  | 2202.8  |
| 67.5° | 3004.8  | 3004.8  | 3004.8  | 2968.3  | 2937.1  | 2900.6  | 2853.8  | 2801.7  | 2739.2  | 2666.3  | 2593.4  |
| 65°   | 3551.6  | 3551.6  | 3530.8  | 3499.5  | 3463.1  | 3411.0  | 3353.7  | 3280.8  | 3202.7  | 3108.9  | 3010.0  |
| 62.5° | 4197.3  | 4197.3  | 4166.1  | 4129.6  | 4082.8  | 4015.1  | 3937.0  | 3843.2  | 3733.9  | 3614.1  | 3494.3  |
| 60°   | 4947.2  | 4947.2  | 4910.8  | 4863.9  | 4796.2  | 4712.9  | 4608.7  | 4489.0  | 4353.6  | 4202.5  | 4056.7  |
| 57.5° | 5811.7  | 5811.7  | 5764.8  | 5702.3  | 5619.0  | 5514.9  | 5384.7  | 5233.6  | 5061.8  | 4874.3  | 4692.1  |
| 55°   | 6749.1  | 6749.1  | 6691.8  | 6618.9  | 6519.9  | 6394.9  | 6238.7  | 6061.7  | 5853.4  | 5639.8  | 5405.5  |
| 52.5° | 7743.7  | 7743.7  | 7676.0  | 7592.7  | 7478.1  | 7332.3  | 7155.3  | 6946.9  | 6707.4  | 6457.4  | 6181.4  |
| 50°   | 8790.4  | 8790.4  | 8712.3  | 8618.6  | 8488.4  | 8316.5  | 8113.5  | 7873.9  | 7608.3  | 7316.7  | 6999.0  |
| 47.5° | 9910.1  | 9910.1  | 9821.5  | 9712.2  | 9556.0  | 9358.1  | 9118.5  | 8842.5  | 8540.5  | 8212.4  | 7853.1  |
| 45°   | 11061.0 | 11061.0 | 10962.0 | 10837.0 | 10665.2 | 10441.3 | 10175.7 | 9910.1  | 9524.7  | 9144.6  | 8727.9  |
| 42.5° | 12258.7 | 12258.7 | 12144.1 | 12003.5 | 11805.6 | 11560.9 | 11258.8 | 10915.1 | 10535.0 | 10108.0 | 9654.9  |
| 40°   | 13503.3 | 13503.3 | 13373.1 | 13211.7 | 12993.0 | 12711.8 | 12373.3 | 11987.9 | 11560.9 | 11087.0 | 10587.1 |
| 37.5° | 14774.0 | 14774.0 | 14628.2 | 14451.1 | 14206.4 | 13893.9 | 13513.7 | 13086.7 | 12607.6 | 12081.6 | 11529.6 |
| 35°   | 16055.1 | 16055.1 | 15893.6 | 15700.9 | 15430.1 | 15086.4 | 14675.0 | 14201.1 | 13670.0 | 13097.1 | 12477.4 |
| 32.5° | 17362.2 | 17362.2 | 17185.1 | 16966.4 | 16659.1 | 16279.0 | 15825.9 | 15310.4 | 14774.0 | 14107.4 | 13430.4 |
| 30°   | 18653.6 | 18653.6 | 18461.0 | 18221.4 | 17893.3 | 17476.7 | 16982.0 | 16414.4 | 15784.3 | 15102.1 | 14373.0 |
| 27.5° | 19924.3 | 19872.2 | 19710.8 | 19455.6 | 19096.3 | 18653.6 | 18117.3 | 17502.8 | 16820.6 | 16070.7 | 15289.5 |
| 25°   | 21174.1 | 21116.8 | 20939.8 | 20658.6 | 20273.2 | 19788.9 | 19210.9 | 18554.7 | 17820.4 | 17028.9 | 16174.8 |
| 22.5° | 22371.9 | 22309.4 | 22121.9 | 21819.9 | 21408.5 | 20882.5 | 20262.8 | 19559.8 | 18778.6 | 17929.8 | 17028.9 |
| 20°   | 23481.1 | 23413.4 | 23220.7 | 22903.1 | 22476.0 | 21918.8 | 21262.7 | 20507.6 | 19674.3 | 18778.6 | 17820.4 |
| 17.5° | 24481.0 | 24413.3 | 24210.2 | 23882.1 | 23481.1 | 22861.4 | 22184.4 | 21387.6 | 20507.6 | 19559.8 | 18554.7 |
| 15°   | 25361.0 | 25288.1 | 25079.8 | 24751.8 | 24293.5 | 23710.2 | 22996.8 | 22184.4 | 21262.7 | 20262.8 | 19210.9 |
| 12.5° | 26110.9 | 26038.0 | 25824.5 | 25496.4 | 25022.6 | 24439.3 | 23710.2 | 22861.4 | 21918.8 | 20882.5 | 19788.9 |
| 10°   | 26704.6 | 26631.7 | 26428.6 | 26116.2 | 25626.6 | 25022.6 | 24293.5 | 23481.1 | 22476.0 | 21408.5 | 20273.2 |
| 7.5°  | 27131.6 | 27063.9 | 26876.5 | 26564.0 | 26116.2 | 25496.4 | 24751.8 | 23882.1 | 22903.1 | 21819.9 | 20658.6 |
| 5°    | 27454.5 | 27376.4 | 27188.9 | 26876.5 | 26428.6 | 25824.5 | 25079.8 | 24210.2 | 23220.7 | 22121.9 | 20939.8 |
| 2.5°  | 27678.4 | 27584.7 | 27376.4 | 27063.9 | 26631.7 | 26038.0 | 25288.1 | 24413.3 | 23413.4 | 22309.4 | 21116.8 |
| 0°    | 27740.9 | 27678.4 | 27454.5 | 27131.6 | 26704.6 | 26110.9 | 25361.0 | 24481.0 | 23481.1 | 22371.9 | 21174.1 |

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**CANDELA DISTRIBUTION (continued):**

|       | 27.5°   | 30°     | 32.5°   | 35°     | 37.5°   | 40°     | 42.5°   | 45°     | 47.5°  | 50°    | 52.5°  |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 87.5° | 187.5   | 187.5   | 182.3   | 177.1   | 171.9   | 161.4   | 156.2   | 151.0   | 145.8  | 135.4  | 130.2  |
| 85°   | 395.8   | 385.4   | 374.9   | 364.5   | 348.9   | 338.5   | 322.9   | 312.5   | 296.8  | 281.2  | 265.6  |
| 82.5° | 624.9   | 609.3   | 588.5   | 572.8   | 552.0   | 526.0   | 505.1   | 479.1   | 453.1  | 432.2  | 406.2  |
| 80°   | 874.9   | 848.8   | 822.8   | 796.8   | 765.5   | 734.3   | 703.0   | 671.8   | 635.3  | 598.9  | 562.4  |
| 77.5° | 1145.7  | 1109.2  | 1072.8  | 1031.1  | 994.7   | 953.0   | 911.3   | 869.7   | 822.8  | 775.9  | 729.1  |
| 75°   | 1447.7  | 1400.8  | 1348.8  | 1296.7  | 1249.8  | 1192.5  | 1135.3  | 1078.0  | 1015.5 | 958.2  | 895.7  |
| 72.5° | 1775.8  | 1718.5  | 1656.0  | 1593.5  | 1525.8  | 1452.9  | 1380.0  | 1301.9  | 1229.0 | 1156.1 | 1078.0 |
| 70°   | 2129.9  | 2062.2  | 1984.1  | 1906.0  | 1822.7  | 1734.1  | 1645.6  | 1551.9  | 1458.1 | 1364.4 | 1270.7 |
| 67.5° | 2510.1  | 2426.7  | 2333.0  | 2239.3  | 2135.1  | 2031.0  | 1926.8  | 1817.5  | 1702.9 | 1588.3 | 1479.0 |
| 65°   | 2916.3  | 2812.1  | 2702.7  | 2583.0  | 2463.2  | 2343.4  | 2218.4  | 2088.3  | 1958.1 | 1822.7 | 1702.9 |
| 62.5° | 3369.3  | 3239.1  | 3098.5  | 2952.7  | 2817.3  | 2671.5  | 2536.1  | 2374.7  | 2218.4 | 2067.4 | 1916.4 |
| 60°   | 3895.3  | 3723.4  | 3551.6  | 3369.3  | 3197.5  | 3010.0  | 2843.4  | 2666.3  | 2489.2 | 2317.4 | 2140.3 |
| 57.5° | 4483.7  | 4265.0  | 4056.7  | 3838.0  | 3608.9  | 3400.6  | 3187.1  | 2973.5  | 2775.7 | 2572.6 | 2379.9 |
| 55°   | 5150.3  | 4884.7  | 4624.4  | 4353.6  | 4088.0  | 3827.6  | 3556.8  | 3317.2  | 3072.5 | 2843.4 | 2619.4 |
| 52.5° | 5879.4  | 5577.3  | 5254.5  | 4947.2  | 4608.7  | 4285.9  | 3983.8  | 3681.8  | 3395.4 | 3119.4 | 2864.2 |
| 50°   | 6660.5  | 6306.4  | 5936.7  | 5561.7  | 5176.4  | 4796.2  | 4431.7  | 4077.6  | 3744.3 | 3421.4 | 3119.4 |
| 47.5° | 7472.9  | 7071.9  | 6650.1  | 6223.1  | 5811.7  | 5348.2  | 4910.8  | 4509.8  | 4108.8 | 3744.3 | 3395.4 |
| 45°   | 8306.1  | 7853.1  | 7389.6  | 6905.3  | 6421.0  | 5921.0  | 5436.7  | 4947.2  | 4509.8 | 4077.6 | 3681.8 |
| 42.5° | 9165.4  | 8655.0  | 8139.5  | 7603.1  | 7066.7  | 6519.9  | 5973.1  | 5436.7  | 4910.8 | 4431.7 | 3983.8 |
| 40°   | 10050.7 | 9488.3  | 8899.8  | 8316.5  | 7743.7  | 7118.8  | 6519.9  | 5921.0  | 5348.2 | 4796.2 | 4285.9 |
| 37.5° | 10936.0 | 10321.5 | 9686.1  | 9030.0  | 8373.8  | 7743.7  | 7066.7  | 6421.0  | 5811.7 | 5176.4 | 4608.7 |
| 35°   | 11826.5 | 11149.5 | 10462.1 | 9748.6  | 9030.0  | 8316.5  | 7603.1  | 6905.3  | 6223.1 | 5561.7 | 4947.2 |
| 32.5° | 12722.2 | 11982.7 | 11222.4 | 10462.1 | 9686.1  | 8899.8  | 8139.5  | 7389.6  | 6650.1 | 5936.7 | 5254.5 |
| 30°   | 13602.3 | 12800.3 | 11982.7 | 11149.5 | 10321.5 | 9488.3  | 8655.0  | 7853.1  | 7071.9 | 6306.4 | 5577.3 |
| 27.5° | 14461.5 | 13602.3 | 12722.2 | 11826.5 | 10936.0 | 10050.7 | 9165.4  | 8306.1  | 7472.9 | 6660.5 | 5879.4 |
| 25°   | 15289.5 | 14373.0 | 13430.4 | 12477.4 | 11529.6 | 10587.1 | 9654.9  | 8727.9  | 7853.1 | 6999.0 | 6181.4 |
| 22.5° | 16070.7 | 15102.1 | 14107.4 | 13097.1 | 12081.6 | 11087.0 | 10108.0 | 9144.6  | 8212.4 | 7316.7 | 6457.4 |
| 20°   | 16820.6 | 15784.3 | 14774.0 | 13670.0 | 12607.6 | 11560.9 | 10535.0 | 9524.7  | 8540.5 | 7608.3 | 6707.4 |
| 17.5° | 17502.8 | 16414.4 | 15310.4 | 14201.1 | 13086.7 | 11987.9 | 10915.1 | 9910.1  | 8842.5 | 7873.9 | 6946.9 |
| 15°   | 18117.3 | 16982.0 | 15825.9 | 14675.0 | 13513.7 | 12373.3 | 11258.8 | 10175.7 | 9118.5 | 8113.5 | 7155.3 |
| 12.5° | 18653.6 | 17476.7 | 16279.0 | 15086.4 | 13893.9 | 12711.8 | 11560.9 | 10441.3 | 9358.1 | 8316.5 | 7332.3 |
| 10°   | 19096.3 | 17893.3 | 16659.1 | 15430.1 | 14206.4 | 12993.0 | 11805.6 | 10665.2 | 9556.0 | 8488.4 | 7478.1 |
| 7.5°  | 19455.6 | 18221.4 | 16966.4 | 15700.9 | 14451.1 | 13211.7 | 12003.5 | 10837.0 | 9712.2 | 8618.6 | 7592.7 |
| 5°    | 19710.8 | 18461.0 | 17185.1 | 15893.6 | 14628.2 | 13373.1 | 12144.1 | 10962.0 | 9821.5 | 8712.3 | 7676.0 |
| 2.5°  | 19872.2 | 18653.6 | 17362.2 | 16055.1 | 14774.0 | 13503.3 | 12258.7 | 11061.0 | 9910.1 | 8790.4 | 7743.7 |
| 0°    | 19924.3 | 18653.6 | 17362.2 | 16055.1 | 14774.0 | 13503.3 | 12258.7 | 11061.0 | 9910.1 | 8790.4 | 7743.7 |

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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5°  | 75°    | 77.5°  | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 125.0  | 114.6  | 104.2  | 98.9   | 88.5   | 83.3   | 72.9   | 62.5   | 57.3   | 46.9   | 36.5   |
| 85°   | 250.0  | 229.1  | 213.5  | 197.9  | 182.3  | 161.4  | 145.8  | 130.2  | 109.4  | 93.7   | 72.9   |
| 82.5° | 380.2  | 354.1  | 328.1  | 302.0  | 276.0  | 250.0  | 218.7  | 192.7  | 166.6  | 140.6  | 109.4  |
| 80°   | 526.0  | 484.3  | 447.9  | 411.4  | 374.9  | 338.5  | 296.8  | 260.4  | 218.7  | 182.3  | 145.8  |
| 77.5° | 677.0  | 630.1  | 578.0  | 526.0  | 473.9  | 427.0  | 374.9  | 328.1  | 281.2  | 229.1  | 182.3  |
| 75°   | 838.4  | 775.9  | 718.6  | 651.0  | 588.5  | 520.8  | 458.3  | 395.8  | 338.5  | 281.2  | 218.7  |
| 72.5° | 1005.1 | 927.0  | 848.8  | 775.9  | 697.8  | 619.7  | 546.8  | 468.7  | 395.8  | 328.1  | 260.4  |
| 70°   | 1176.9 | 1083.2 | 989.4  | 900.9  | 812.4  | 718.6  | 635.3  | 546.8  | 458.3  | 374.9  | 296.8  |
| 67.5° | 1359.2 | 1249.8 | 1140.5 | 1025.9 | 927.0  | 822.8  | 718.6  | 619.7  | 520.8  | 427.0  | 338.5  |
| 65°   | 1557.1 | 1426.9 | 1291.5 | 1171.7 | 1041.5 | 927.0  | 812.4  | 697.8  | 588.5  | 473.9  | 374.9  |
| 62.5° | 1760.2 | 1609.2 | 1458.1 | 1307.1 | 1171.7 | 1025.9 | 900.9  | 775.9  | 651.0  | 526.0  | 411.4  |
| 60°   | 1968.5 | 1796.6 | 1624.8 | 1458.1 | 1291.5 | 1140.5 | 989.4  | 848.8  | 718.6  | 578.0  | 447.9  |
| 57.5° | 2182.0 | 1989.3 | 1796.6 | 1609.2 | 1426.9 | 1249.8 | 1083.2 | 927.0  | 775.9  | 630.1  | 484.3  |
| 55°   | 2400.7 | 2182.0 | 1968.5 | 1760.2 | 1557.1 | 1359.2 | 1176.9 | 1005.1 | 838.4  | 677.0  | 526.0  |
| 52.5° | 2619.4 | 2379.9 | 2140.3 | 1916.4 | 1702.9 | 1479.0 | 1270.7 | 1078.0 | 895.7  | 729.1  | 562.4  |
| 50°   | 2843.4 | 2572.6 | 2317.4 | 2067.4 | 1822.7 | 1588.3 | 1364.4 | 1156.1 | 958.2  | 775.9  | 598.9  |
| 47.5° | 3072.5 | 2775.7 | 2489.2 | 2218.4 | 1958.1 | 1702.9 | 1458.1 | 1229.0 | 1015.5 | 822.8  | 635.3  |
| 45°   | 3317.2 | 2973.5 | 2666.3 | 2374.7 | 2088.3 | 1817.5 | 1551.9 | 1301.9 | 1078.0 | 869.7  | 671.8  |
| 42.5° | 3556.8 | 3187.1 | 2843.4 | 2536.1 | 2218.4 | 1926.8 | 1645.6 | 1380.0 | 1135.3 | 911.3  | 703.0  |
| 40°   | 3827.6 | 3400.6 | 3010.0 | 2671.5 | 2343.4 | 2031.0 | 1734.1 | 1452.9 | 1192.5 | 953.0  | 734.3  |
| 37.5° | 4088.0 | 3608.9 | 3197.5 | 2817.3 | 2463.2 | 2135.1 | 1822.7 | 1525.8 | 1249.8 | 994.7  | 765.5  |
| 35°   | 4353.6 | 3838.0 | 3369.3 | 2952.7 | 2583.0 | 2239.3 | 1906.0 | 1593.5 | 1296.7 | 1031.1 | 796.8  |
| 32.5° | 4624.4 | 4056.7 | 3551.6 | 3098.5 | 2702.7 | 2333.0 | 1984.1 | 1656.0 | 1348.8 | 1072.8 | 822.8  |
| 30°   | 4884.7 | 4265.0 | 3723.4 | 3239.1 | 2812.1 | 2426.7 | 2062.2 | 1718.5 | 1400.8 | 1109.2 | 848.8  |
| 27.5° | 5150.3 | 4483.7 | 3895.3 | 3369.3 | 2916.3 | 2510.1 | 2129.9 | 1775.8 | 1447.7 | 1145.7 | 874.9  |
| 25°   | 5405.5 | 4692.1 | 4056.7 | 3494.3 | 3010.0 | 2593.4 | 2202.8 | 1833.1 | 1489.4 | 1176.9 | 895.7  |
| 22.5° | 5639.8 | 4874.3 | 4202.5 | 3614.1 | 3108.9 | 2666.3 | 2265.3 | 1885.2 | 1531.0 | 1208.2 | 916.5  |
| 20°   | 5853.4 | 5061.8 | 4353.6 | 3733.9 | 3202.7 | 2739.2 | 2317.4 | 1932.0 | 1567.5 | 1234.2 | 937.4  |
| 17.5° | 6061.7 | 5233.6 | 4489.0 | 3843.2 | 3280.8 | 2801.7 | 2369.5 | 1968.5 | 1598.7 | 1255.0 | 953.0  |
| 15°   | 6238.7 | 5384.7 | 4608.7 | 3937.0 | 3353.7 | 2853.8 | 2411.1 | 2004.9 | 1624.8 | 1275.9 | 963.4  |
| 12.5° | 6394.9 | 5514.9 | 4712.9 | 4015.1 | 3411.0 | 2900.6 | 2452.8 | 2036.2 | 1650.8 | 1291.5 | 979.0  |
| 10°   | 6519.9 | 5619.0 | 4796.2 | 4082.8 | 3463.1 | 2937.1 | 2478.8 | 2062.2 | 1666.4 | 1307.1 | 989.4  |
| 7.5°  | 6618.9 | 5702.3 | 4863.9 | 4129.6 | 3499.5 | 2968.3 | 2504.9 | 2077.8 | 1682.1 | 1317.5 | 1005.1 |
| 5°    | 6691.8 | 5764.8 | 4910.8 | 4166.1 | 3530.8 | 3004.8 | 2536.1 | 2103.9 | 1702.9 | 1333.1 | 1005.1 |
| 2.5°  | 6749.1 | 5811.7 | 4947.2 | 4197.3 | 3551.6 | 3004.8 | 2536.1 | 2103.9 | 1702.9 | 1333.1 | 1005.1 |
| 0°    | 6749.1 | 5811.7 | 4947.2 | 4197.3 | 3551.6 | 3004.8 | 2536.1 | 2103.9 | 1702.9 | 1333.1 | 1005.1 |

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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°   | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90°   | 0.0   | 0.0   | 0.0   | 0.0 |
| 87.5° | 26.0  | 20.8  | 10.4  | 0.0 |
| 85°   | 57.3  | 36.5  | 20.8  | 0.0 |
| 82.5° | 83.3  | 57.3  | 26.0  | 0.0 |
| 80°   | 109.4 | 72.9  | 36.5  | 0.0 |
| 77.5° | 140.6 | 93.7  | 46.9  | 0.0 |
| 75°   | 166.6 | 109.4 | 57.3  | 0.0 |
| 72.5° | 192.7 | 130.2 | 62.5  | 0.0 |
| 70°   | 218.7 | 145.8 | 72.9  | 0.0 |
| 67.5° | 250.0 | 161.4 | 83.3  | 0.0 |
| 65°   | 276.0 | 182.3 | 88.5  | 0.0 |
| 62.5° | 302.0 | 197.9 | 98.9  | 0.0 |
| 60°   | 328.1 | 213.5 | 104.2 | 0.0 |
| 57.5° | 354.1 | 229.1 | 114.6 | 0.0 |
| 55°   | 380.2 | 250.0 | 125.0 | 0.0 |
| 52.5° | 406.2 | 265.6 | 130.2 | 0.0 |
| 50°   | 432.2 | 281.2 | 135.4 | 0.0 |
| 47.5° | 453.1 | 296.8 | 145.8 | 0.0 |
| 45°   | 479.1 | 312.5 | 151.0 | 0.0 |
| 42.5° | 505.1 | 322.9 | 156.2 | 0.0 |
| 40°   | 526.0 | 338.5 | 161.4 | 0.0 |
| 37.5° | 552.0 | 348.9 | 171.9 | 0.0 |
| 35°   | 572.8 | 364.5 | 177.1 | 0.0 |
| 32.5° | 588.5 | 374.9 | 182.3 | 0.0 |
| 30°   | 609.3 | 385.4 | 187.5 | 0.0 |
| 27.5° | 624.9 | 395.8 | 187.5 | 0.0 |
| 25°   | 640.5 | 406.2 | 192.7 | 0.0 |
| 22.5° | 656.2 | 411.4 | 197.9 | 0.0 |
| 20°   | 671.8 | 421.8 | 203.1 | 0.0 |
| 17.5° | 682.2 | 427.0 | 203.1 | 0.0 |
| 15°   | 692.6 | 432.2 | 213.5 | 0.0 |
| 12.5° | 697.8 | 437.4 | 213.5 | 0.0 |
| 10°   | 708.2 | 447.9 | 213.5 | 0.0 |
| 7.5°  | 718.6 | 447.9 | 213.5 | 0.0 |
| 5°    | 718.6 | 447.9 | 213.5 | 0.0 |
| 2.5°  | 718.6 | 447.9 | 213.5 | 0.0 |
| 0°    | 718.6 | 447.9 | 213.5 | 0.0 |

(END OF REPORT)