

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: P623907

Luminaire Tested: **IFLD-S-SA3E-735-U-77**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623907  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-735-U-77  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

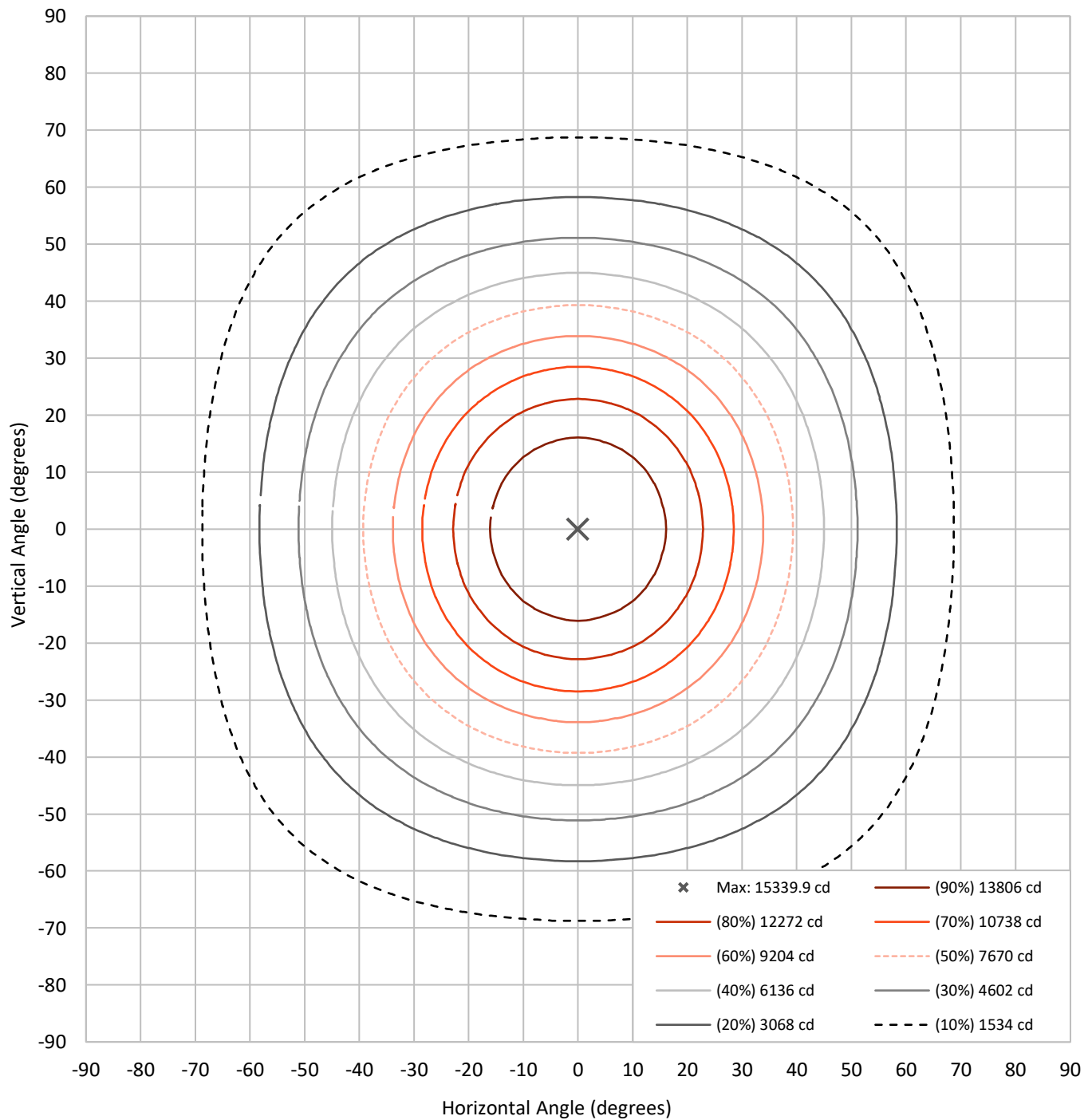
|                                   |                                        |                      |                   |
|-----------------------------------|----------------------------------------|----------------------|-------------------|
| Lumens per Lamp:                  | N/A                                    | NEMA Type:           | 7H x 7V           |
| Luminaire Lumens:                 | 27619.8 lumens                         | Max Intensity:       | 15339.9 candela   |
| Efficiency:                       | N/A                                    | Max Intensity Angle: | 0°H x 0°V         |
| Efficacy:                         | 119.0 lumens/watt                      |                      |                   |
| Luminous Opening:                 | Rectangular (W 1.5' x L: 0.5' 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:                      | 11950.8 lumens                         | Field Lumens:        | 19569.1 lumens    |
| Beam Efficiency:                  | 43.3%                                  | Field Efficiency:    | 70.9%             |
| Input Watts (W):                  | 232.1                                  |                      |                   |
| 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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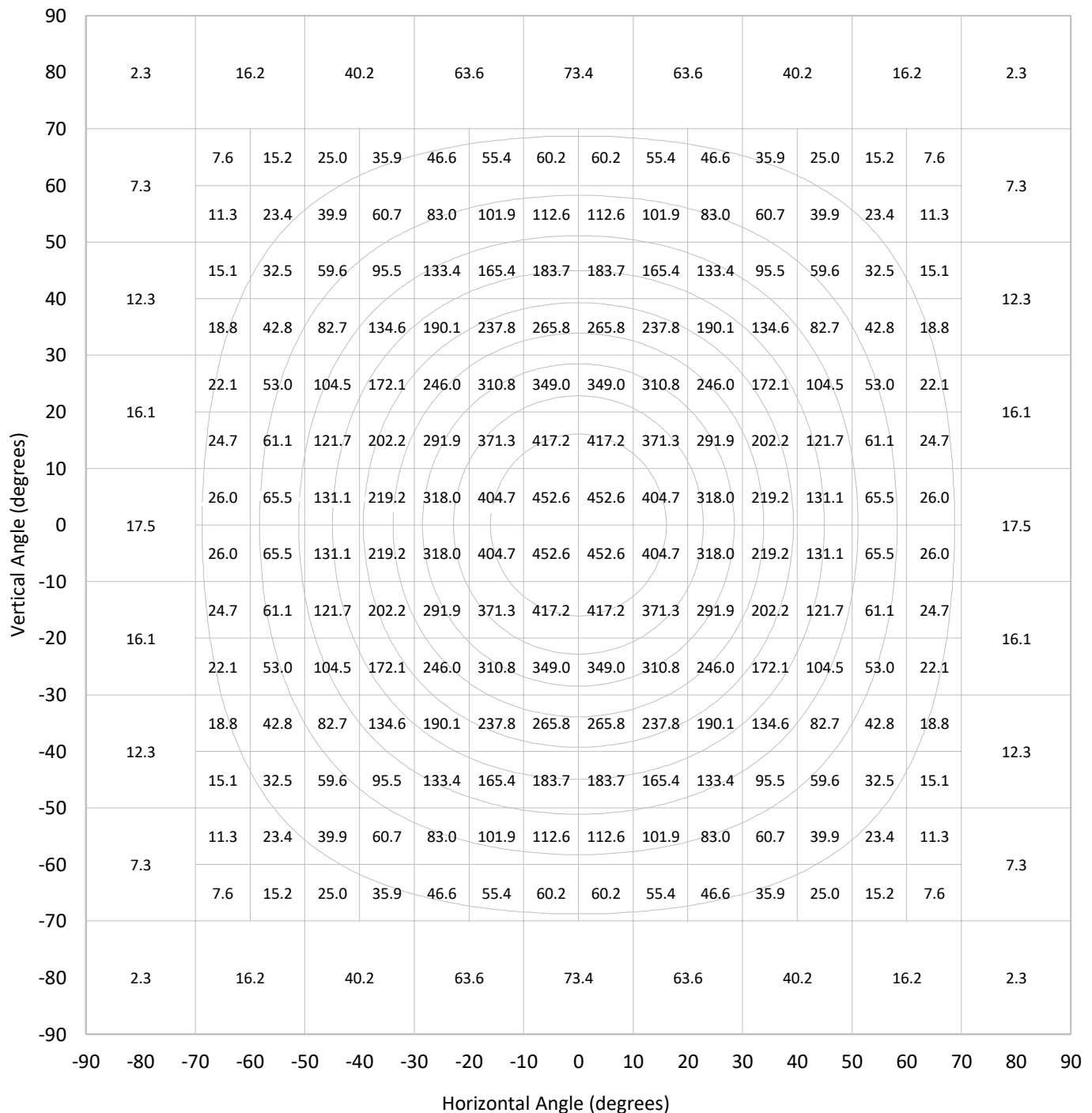
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## Iso-Candela Plot



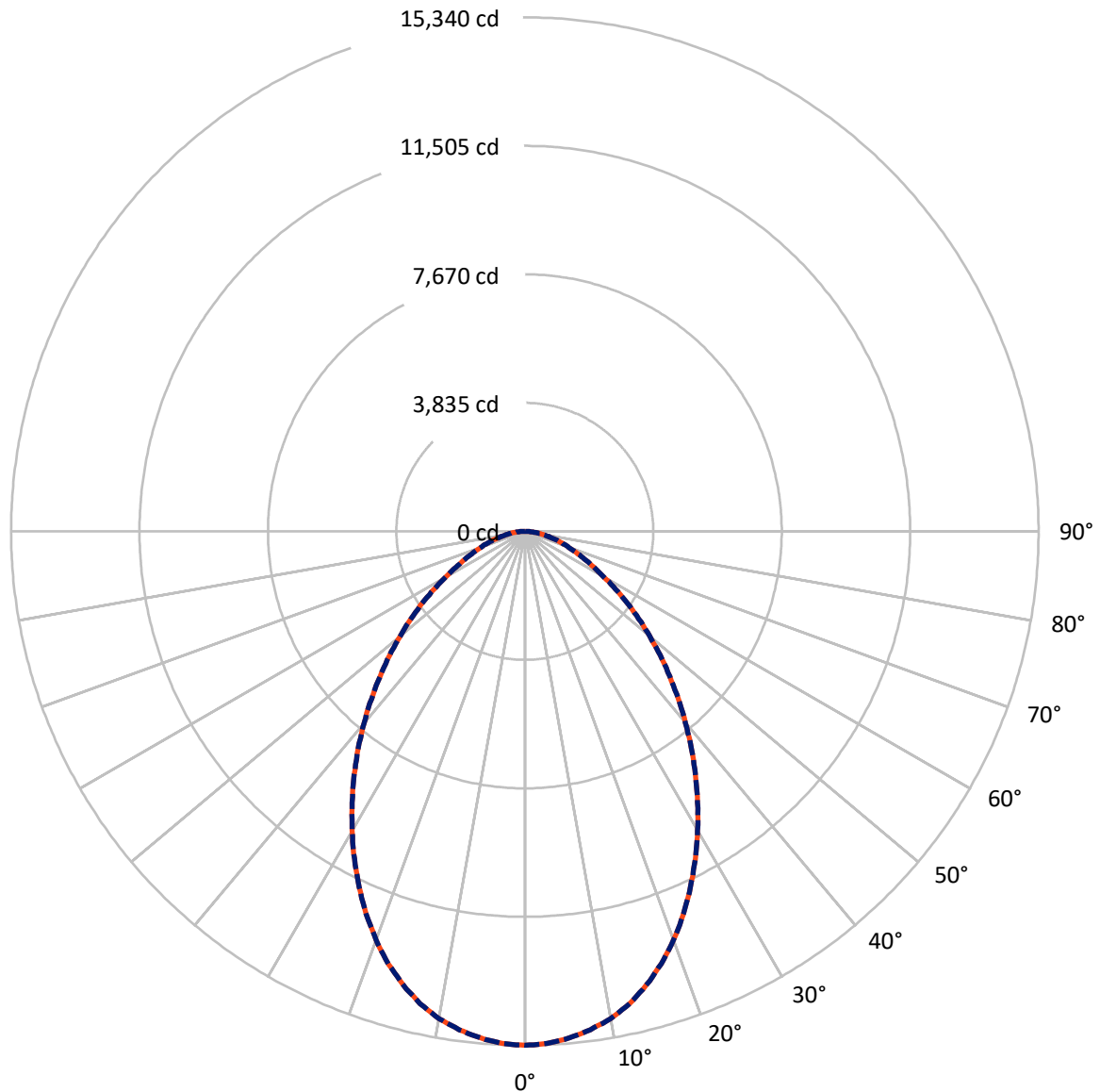
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## Lumen Table



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## Luminous Intensity Polar Plot

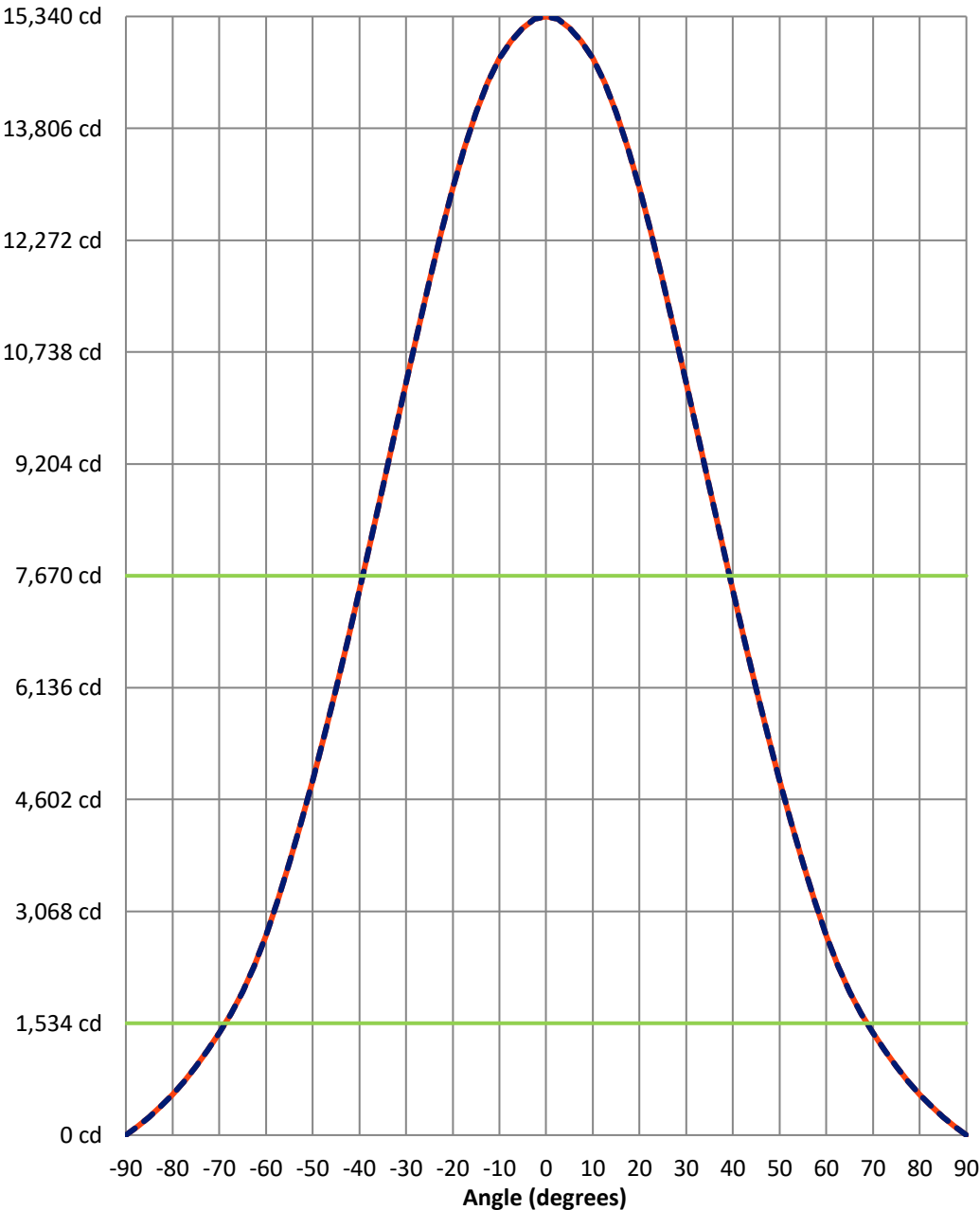


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



**Beam:**  
H Angle: 78.6°  
V Angle: 78.6°  
Lumens: 11950.8  
Efficiency: 43.3%

**Field:**  
H Angle: 137.5°  
V Angle: 137.5°  
Lumens: 19569.1  
Efficiency: 70.9%

**Spill:**  
Lumens: 8050.8  
Efficiency: 29.1%

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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° | 118.1   | 118.1   | 118.1   | 118.1   | 118.1   | 118.1   | 118.1   | 112.3   | 112.3   | 109.4   | 106.5   |
| 85°   | 247.6   | 247.6   | 247.6   | 247.6   | 247.6   | 241.9   | 239.0   | 236.1   | 233.3   | 227.5   | 224.6   |
| 82.5° | 397.4   | 397.4   | 397.4   | 397.4   | 391.6   | 385.9   | 383.0   | 377.2   | 371.5   | 362.8   | 354.2   |
| 80°   | 555.8   | 555.8   | 555.8   | 555.8   | 547.1   | 541.4   | 532.7   | 527.0   | 518.3   | 506.8   | 495.3   |
| 77.5° | 737.2   | 737.2   | 737.2   | 728.6   | 722.8   | 714.2   | 705.5   | 694.0   | 682.5   | 668.1   | 650.8   |
| 75°   | 941.6   | 941.6   | 941.6   | 930.1   | 921.5   | 912.8   | 898.5   | 884.1   | 866.8   | 846.6   | 823.6   |
| 72.5° | 1163.4  | 1163.4  | 1163.4  | 1149.0  | 1140.3  | 1125.9  | 1108.7  | 1088.5  | 1068.3  | 1042.4  | 1013.6  |
| 70°   | 1402.4  | 1402.4  | 1402.4  | 1385.1  | 1370.7  | 1356.3  | 1333.3  | 1310.2  | 1281.4  | 1252.6  | 1218.1  |
| 67.5° | 1661.6  | 1661.6  | 1661.6  | 1641.4  | 1624.1  | 1604.0  | 1578.0  | 1549.3  | 1514.7  | 1474.4  | 1434.1  |
| 65°   | 1963.9  | 1963.9  | 1952.4  | 1935.1  | 1915.0  | 1886.2  | 1854.5  | 1814.2  | 1771.0  | 1719.2  | 1664.4  |
| 62.5° | 2321.0  | 2321.0  | 2303.7  | 2283.6  | 2257.6  | 2220.2  | 2177.0  | 2125.2  | 2064.7  | 1998.5  | 1932.2  |
| 60°   | 2735.7  | 2735.7  | 2715.5  | 2689.6  | 2652.2  | 2606.1  | 2548.5  | 2482.3  | 2407.4  | 2323.9  | 2243.2  |
| 57.5° | 3213.7  | 3213.7  | 3187.8  | 3153.2  | 3107.1  | 3049.5  | 2977.6  | 2894.0  | 2799.0  | 2695.4  | 2594.6  |
| 55°   | 3732.0  | 3732.0  | 3700.3  | 3660.0  | 3605.3  | 3536.2  | 3449.8  | 3351.9  | 3236.7  | 3118.7  | 2989.1  |
| 52.5° | 4282.0  | 4282.0  | 4244.6  | 4198.5  | 4135.2  | 4054.5  | 3956.6  | 3841.5  | 3709.0  | 3570.8  | 3418.1  |
| 50°   | 4860.8  | 4860.8  | 4817.7  | 4765.8  | 4693.8  | 4598.8  | 4486.5  | 4354.0  | 4207.2  | 4045.9  | 3870.2  |
| 47.5° | 5480.0  | 5480.0  | 5431.0  | 5370.5  | 5284.2  | 5174.7  | 5042.3  | 4889.6  | 4722.6  | 4541.2  | 4342.5  |
| 45°   | 6116.4  | 6116.4  | 6061.7  | 5992.5  | 5897.5  | 5773.7  | 5626.8  | 5480.0  | 5266.9  | 5056.7  | 4826.3  |
| 42.5° | 6778.7  | 6778.7  | 6715.3  | 6637.6  | 6528.2  | 6392.8  | 6225.8  | 6035.7  | 5825.5  | 5589.4  | 5338.9  |
| 40°   | 7466.9  | 7466.9  | 7394.9  | 7305.7  | 7184.7  | 7029.2  | 6842.0  | 6629.0  | 6392.8  | 6130.8  | 5854.3  |
| 37.5° | 8169.6  | 8169.6  | 8088.9  | 7991.0  | 7855.7  | 7682.9  | 7472.7  | 7236.6  | 6971.6  | 6680.8  | 6375.5  |
| 35°   | 8878.0  | 8878.0  | 8788.7  | 8682.1  | 8532.4  | 8342.3  | 8114.9  | 7852.8  | 7559.1  | 7242.3  | 6899.6  |
| 32.5° | 9600.7  | 9600.7  | 9502.8  | 9381.9  | 9212.0  | 9001.8  | 8751.3  | 8466.2  | 8169.6  | 7801.0  | 7426.6  |
| 30°   | 10314.9 | 10314.9 | 10208.4 | 10075.9 | 9894.5  | 9664.1  | 9390.5  | 9076.7  | 8728.2  | 8351.0  | 7947.8  |
| 27.5° | 11017.5 | 10988.7 | 10899.5 | 10758.4 | 10559.7 | 10314.9 | 10018.3 | 9678.5  | 9301.3  | 8886.6  | 8454.6  |
| 25°   | 11708.7 | 11677.0 | 11579.1 | 11423.6 | 11210.5 | 10942.7 | 10623.0 | 10260.2 | 9854.2  | 9416.5  | 8944.2  |
| 22.5° | 12371.0 | 12336.4 | 12232.7 | 12065.7 | 11838.2 | 11547.4 | 11204.7 | 10816.0 | 10384.0 | 9914.6  | 9416.5  |
| 20°   | 12984.3 | 12946.9 | 12840.4 | 12664.7 | 12428.6 | 12120.4 | 11757.6 | 11340.1 | 10879.3 | 10384.0 | 9854.2  |
| 17.5° | 13537.2 | 13499.8 | 13387.5 | 13206.1 | 12984.3 | 12641.7 | 12267.3 | 11826.7 | 11340.1 | 10816.0 | 10260.2 |
| 15°   | 14023.9 | 13983.6 | 13868.4 | 13687.0 | 13433.6 | 13111.0 | 12716.5 | 12267.3 | 11757.6 | 11204.7 | 10623.0 |
| 12.5° | 14438.6 | 14398.2 | 14280.2 | 14098.8 | 13836.7 | 13514.2 | 13111.0 | 12641.7 | 12120.4 | 11547.4 | 10942.7 |
| 10°   | 14766.8 | 14726.5 | 14614.2 | 14441.4 | 14170.8 | 13836.7 | 13433.6 | 12984.3 | 12428.6 | 11838.2 | 11210.5 |
| 7.5°  | 15003.0 | 14965.5 | 14861.9 | 14689.1 | 14441.4 | 14098.8 | 13687.0 | 13206.1 | 12664.7 | 12065.7 | 11423.6 |
| 5°    | 15181.5 | 15138.3 | 15034.6 | 14861.9 | 14614.2 | 14280.2 | 13868.4 | 13387.5 | 12840.4 | 12232.7 | 11579.1 |
| 2.5°  | 15305.3 | 15253.5 | 15138.3 | 14965.5 | 14726.5 | 14398.2 | 13983.6 | 13499.8 | 12946.9 | 12336.4 | 11677.0 |
| 0°    | 15339.9 | 15305.3 | 15181.5 | 15003.0 | 14766.8 | 14438.6 | 14023.9 | 13537.2 | 12984.3 | 12371.0 | 11708.7 |

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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° | 103.7   | 103.7   | 100.8  | 97.9   | 95.0   | 89.3   | 86.4   | 83.5   | 80.6   | 74.9   | 72.0   |
| 85°   | 218.9   | 213.1   | 207.3  | 201.6  | 192.9  | 187.2  | 178.5  | 172.8  | 164.1  | 155.5  | 146.9  |
| 82.5° | 345.6   | 336.9   | 325.4  | 316.8  | 305.2  | 290.8  | 279.3  | 264.9  | 250.5  | 239.0  | 224.6  |
| 80°   | 483.8   | 469.4   | 455.0  | 440.6  | 423.3  | 406.0  | 388.8  | 371.5  | 351.3  | 331.2  | 311.0  |
| 77.5° | 633.5   | 613.4   | 593.2  | 570.2  | 550.0  | 527.0  | 503.9  | 480.9  | 455.0  | 429.1  | 403.2  |
| 75°   | 800.5   | 774.6   | 745.8  | 717.0  | 691.1  | 659.4  | 627.8  | 596.1  | 561.5  | 529.9  | 495.3  |
| 72.5° | 982.0   | 950.3   | 915.7  | 881.2  | 843.7  | 803.4  | 763.1  | 719.9  | 679.6  | 639.3  | 596.1  |
| 70°   | 1177.8  | 1140.3  | 1097.1 | 1054.0 | 1007.9 | 958.9  | 910.0  | 858.1  | 806.3  | 754.5  | 702.6  |
| 67.5° | 1388.0  | 1341.9  | 1290.1 | 1238.2 | 1180.7 | 1123.1 | 1065.5 | 1005.0 | 941.6  | 878.3  | 817.8  |
| 65°   | 1612.6  | 1555.0  | 1494.5 | 1428.3 | 1362.1 | 1295.8 | 1226.7 | 1154.7 | 1082.7 | 1007.9 | 941.6  |
| 62.5° | 1863.1  | 1791.1  | 1713.4 | 1632.8 | 1557.9 | 1477.3 | 1402.4 | 1313.1 | 1226.7 | 1143.2 | 1059.7 |
| 60°   | 2154.0  | 2058.9  | 1963.9 | 1863.1 | 1768.1 | 1664.4 | 1572.3 | 1474.4 | 1376.5 | 1281.4 | 1183.5 |
| 57.5° | 2479.4  | 2358.4  | 2243.2 | 2122.3 | 1995.6 | 1880.4 | 1762.3 | 1644.3 | 1534.9 | 1422.5 | 1316.0 |
| 55°   | 2848.0  | 2701.1  | 2557.1 | 2407.4 | 2260.5 | 2116.5 | 1966.8 | 1834.3 | 1699.0 | 1572.3 | 1448.5 |
| 52.5° | 3251.1  | 3084.1  | 2905.6 | 2735.7 | 2548.5 | 2370.0 | 2202.9 | 2035.9 | 1877.5 | 1724.9 | 1583.8 |
| 50°   | 3683.1  | 3487.3  | 3282.8 | 3075.5 | 2862.4 | 2652.2 | 2450.6 | 2254.8 | 2070.5 | 1891.9 | 1724.9 |
| 47.5° | 4132.3  | 3910.6  | 3677.3 | 3441.2 | 3213.7 | 2957.4 | 2715.5 | 2493.8 | 2272.0 | 2070.5 | 1877.5 |
| 45°   | 4593.0  | 4342.5  | 4086.2 | 3818.4 | 3550.6 | 3274.2 | 3006.4 | 2735.7 | 2493.8 | 2254.8 | 2035.9 |
| 42.5° | 5068.2  | 4786.0  | 4500.9 | 4204.3 | 3907.7 | 3605.3 | 3303.0 | 3006.4 | 2715.5 | 2450.6 | 2202.9 |
| 40°   | 5557.7  | 5246.7  | 4921.3 | 4598.8 | 4282.0 | 3936.5 | 3605.3 | 3274.2 | 2957.4 | 2652.2 | 2370.0 |
| 37.5° | 6047.3  | 5707.5  | 5356.1 | 4993.3 | 4630.5 | 4282.0 | 3907.7 | 3550.6 | 3213.7 | 2862.4 | 2548.5 |
| 35°   | 6539.7  | 6165.3  | 5785.2 | 5390.7 | 4993.3 | 4598.8 | 4204.3 | 3818.4 | 3441.2 | 3075.5 | 2735.7 |
| 32.5° | 7035.0  | 6626.1  | 6205.6 | 5785.2 | 5356.1 | 4921.3 | 4500.9 | 4086.2 | 3677.3 | 3282.8 | 2905.6 |
| 30°   | 7521.6  | 7078.2  | 6626.1 | 6165.3 | 5707.5 | 5246.7 | 4786.0 | 4342.5 | 3910.6 | 3487.3 | 3084.1 |
| 27.5° | 7996.8  | 7521.6  | 7035.0 | 6539.7 | 6047.3 | 5557.7 | 5068.2 | 4593.0 | 4132.3 | 3683.1 | 3251.1 |
| 25°   | 8454.6  | 7947.8  | 7426.6 | 6899.6 | 6375.5 | 5854.3 | 5338.9 | 4826.3 | 4342.5 | 3870.2 | 3418.1 |
| 22.5° | 8886.6  | 8351.0  | 7801.0 | 7242.3 | 6680.8 | 6130.8 | 5589.4 | 5056.7 | 4541.2 | 4045.9 | 3570.8 |
| 20°   | 9301.3  | 8728.2  | 8169.6 | 7559.1 | 6971.6 | 6392.8 | 5825.5 | 5266.9 | 4722.6 | 4207.2 | 3709.0 |
| 17.5° | 9678.5  | 9076.7  | 8466.2 | 7852.8 | 7236.6 | 6629.0 | 6035.7 | 5480.0 | 4889.6 | 4354.0 | 3841.5 |
| 15°   | 10018.3 | 9390.5  | 8751.3 | 8114.9 | 7472.7 | 6842.0 | 6225.8 | 5626.8 | 5042.3 | 4486.5 | 3956.6 |
| 12.5° | 10314.9 | 9664.1  | 9001.8 | 8342.3 | 7682.9 | 7029.2 | 6392.8 | 5773.7 | 5174.7 | 4598.8 | 4054.5 |
| 10°   | 10559.7 | 9894.5  | 9212.0 | 8532.4 | 7855.7 | 7184.7 | 6528.2 | 5897.5 | 5284.2 | 4693.8 | 4135.2 |
| 7.5°  | 10758.4 | 10075.9 | 9381.9 | 8682.1 | 7991.0 | 7305.7 | 6637.6 | 5992.5 | 5370.5 | 4765.8 | 4198.5 |
| 5°    | 10899.5 | 10208.4 | 9502.8 | 8788.7 | 8088.9 | 7394.9 | 6715.3 | 6061.7 | 5431.0 | 4817.7 | 4244.6 |
| 2.5°  | 10988.7 | 10314.9 | 9600.7 | 8878.0 | 8169.6 | 7466.9 | 6778.7 | 6116.4 | 5480.0 | 4860.8 | 4282.0 |
| 0°    | 11017.5 | 10314.9 | 9600.7 | 8878.0 | 8169.6 | 7466.9 | 6778.7 | 6116.4 | 5480.0 | 4860.8 | 4282.0 |



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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° | 69.1   | 63.4   | 57.6   | 54.7   | 49.0   | 46.1   | 40.3   | 34.6   | 31.7  | 25.9  | 20.2  |
| 85°   | 138.2  | 126.7  | 118.1  | 109.4  | 100.8  | 89.3   | 80.6   | 72.0   | 60.5  | 51.8  | 40.3  |
| 82.5° | 210.2  | 195.8  | 181.4  | 167.0  | 152.6  | 138.2  | 120.9  | 106.5  | 92.1  | 77.8  | 60.5  |
| 80°   | 290.8  | 267.8  | 247.6  | 227.5  | 207.3  | 187.2  | 164.1  | 144.0  | 120.9 | 100.8 | 80.6  |
| 77.5° | 374.4  | 348.4  | 319.6  | 290.8  | 262.0  | 236.1  | 207.3  | 181.4  | 155.5 | 126.7 | 100.8 |
| 75°   | 463.6  | 429.1  | 397.4  | 360.0  | 325.4  | 288.0  | 253.4  | 218.9  | 187.2 | 155.5 | 120.9 |
| 72.5° | 555.8  | 512.6  | 469.4  | 429.1  | 385.9  | 342.7  | 302.4  | 259.2  | 218.9 | 181.4 | 144.0 |
| 70°   | 650.8  | 599.0  | 547.1  | 498.2  | 449.2  | 397.4  | 351.3  | 302.4  | 253.4 | 207.3 | 164.1 |
| 67.5° | 751.6  | 691.1  | 630.6  | 567.3  | 512.6  | 455.0  | 397.4  | 342.7  | 288.0 | 236.1 | 187.2 |
| 65°   | 861.0  | 789.0  | 714.2  | 647.9  | 575.9  | 512.6  | 449.2  | 385.9  | 325.4 | 262.0 | 207.3 |
| 62.5° | 973.3  | 889.8  | 806.3  | 722.8  | 647.9  | 567.3  | 498.2  | 429.1  | 360.0 | 290.8 | 227.5 |
| 60°   | 1088.5 | 993.5  | 898.5  | 806.3  | 714.2  | 630.6  | 547.1  | 469.4  | 397.4 | 319.6 | 247.6 |
| 57.5° | 1206.6 | 1100.0 | 993.5  | 889.8  | 789.0  | 691.1  | 599.0  | 512.6  | 429.1 | 348.4 | 267.8 |
| 55°   | 1327.5 | 1206.6 | 1088.5 | 973.3  | 861.0  | 751.6  | 650.8  | 555.8  | 463.6 | 374.4 | 290.8 |
| 52.5° | 1448.5 | 1316.0 | 1183.5 | 1059.7 | 941.6  | 817.8  | 702.6  | 596.1  | 495.3 | 403.2 | 311.0 |
| 50°   | 1572.3 | 1422.5 | 1281.4 | 1143.2 | 1007.9 | 878.3  | 754.5  | 639.3  | 529.9 | 429.1 | 331.2 |
| 47.5° | 1699.0 | 1534.9 | 1376.5 | 1226.7 | 1082.7 | 941.6  | 806.3  | 679.6  | 561.5 | 455.0 | 351.3 |
| 45°   | 1834.3 | 1644.3 | 1474.4 | 1313.1 | 1154.7 | 1005.0 | 858.1  | 719.9  | 596.1 | 480.9 | 371.5 |
| 42.5° | 1966.8 | 1762.3 | 1572.3 | 1402.4 | 1226.7 | 1065.5 | 910.0  | 763.1  | 627.8 | 503.9 | 388.8 |
| 40°   | 2116.5 | 1880.4 | 1664.4 | 1477.3 | 1295.8 | 1123.1 | 958.9  | 803.4  | 659.4 | 527.0 | 406.0 |
| 37.5° | 2260.5 | 1995.6 | 1768.1 | 1557.9 | 1362.1 | 1180.7 | 1007.9 | 843.7  | 691.1 | 550.0 | 423.3 |
| 35°   | 2407.4 | 2122.3 | 1863.1 | 1632.8 | 1428.3 | 1238.2 | 1054.0 | 881.2  | 717.0 | 570.2 | 440.6 |
| 32.5° | 2557.1 | 2243.2 | 1963.9 | 1713.4 | 1494.5 | 1290.1 | 1097.1 | 915.7  | 745.8 | 593.2 | 455.0 |
| 30°   | 2701.1 | 2358.4 | 2058.9 | 1791.1 | 1555.0 | 1341.9 | 1140.3 | 950.3  | 774.6 | 613.4 | 469.4 |
| 27.5° | 2848.0 | 2479.4 | 2154.0 | 1863.1 | 1612.6 | 1388.0 | 1177.8 | 982.0  | 800.5 | 633.5 | 483.8 |
| 25°   | 2989.1 | 2594.6 | 2243.2 | 1932.2 | 1664.4 | 1434.1 | 1218.1 | 1013.6 | 823.6 | 650.8 | 495.3 |
| 22.5° | 3118.7 | 2695.4 | 2323.9 | 1998.5 | 1719.2 | 1474.4 | 1252.6 | 1042.4 | 846.6 | 668.1 | 506.8 |
| 20°   | 3236.7 | 2799.0 | 2407.4 | 2064.7 | 1771.0 | 1514.7 | 1281.4 | 1068.3 | 866.8 | 682.5 | 518.3 |
| 17.5° | 3351.9 | 2894.0 | 2482.3 | 2125.2 | 1814.2 | 1549.3 | 1310.2 | 1088.5 | 884.1 | 694.0 | 527.0 |
| 15°   | 3449.8 | 2977.6 | 2548.5 | 2177.0 | 1854.5 | 1578.0 | 1333.3 | 1108.7 | 898.5 | 705.5 | 532.7 |
| 12.5° | 3536.2 | 3049.5 | 2606.1 | 2220.2 | 1886.2 | 1604.0 | 1356.3 | 1125.9 | 912.8 | 714.2 | 541.4 |
| 10°   | 3605.3 | 3107.1 | 2652.2 | 2257.6 | 1915.0 | 1624.1 | 1370.7 | 1140.3 | 921.5 | 722.8 | 547.1 |
| 7.5°  | 3660.0 | 3153.2 | 2689.6 | 2283.6 | 1935.1 | 1641.4 | 1385.1 | 1149.0 | 930.1 | 728.6 | 555.8 |
| 5°    | 3700.3 | 3187.8 | 2715.5 | 2303.7 | 1952.4 | 1661.6 | 1402.4 | 1163.4 | 941.6 | 737.2 | 555.8 |
| 2.5°  | 3732.0 | 3213.7 | 2735.7 | 2321.0 | 1963.9 | 1661.6 | 1402.4 | 1163.4 | 941.6 | 737.2 | 555.8 |
| 0°    | 3732.0 | 3213.7 | 2735.7 | 2321.0 | 1963.9 | 1661.6 | 1402.4 | 1163.4 | 941.6 | 737.2 | 555.8 |

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