

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: P623892

Luminaire Tested: **IFLD-L-SA7D-730-U-77**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623892  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-730-U-77  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens  
Light Source: (112) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                   |                                    |                      |                   |
|-------------------|------------------------------------|----------------------|-------------------|
| Lumens per Lamp:  | N/A                                | NEMA Type:           | 7H x 7V           |
| Luminaire Lumens: | 46114.6 lumens                     | Max Intensity:       | 25611.8 candela   |
| Efficiency:       | N/A                                | Max Intensity Angle: | 0°H x 0°V         |
| Efficacy:         | 109.1 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:      | 19953.3 lumens                     | Field Lumens:        | 32672.9 lumens    |
| Beam Efficiency:  | 43.3%                              | Field Efficiency:    | 70.9%             |

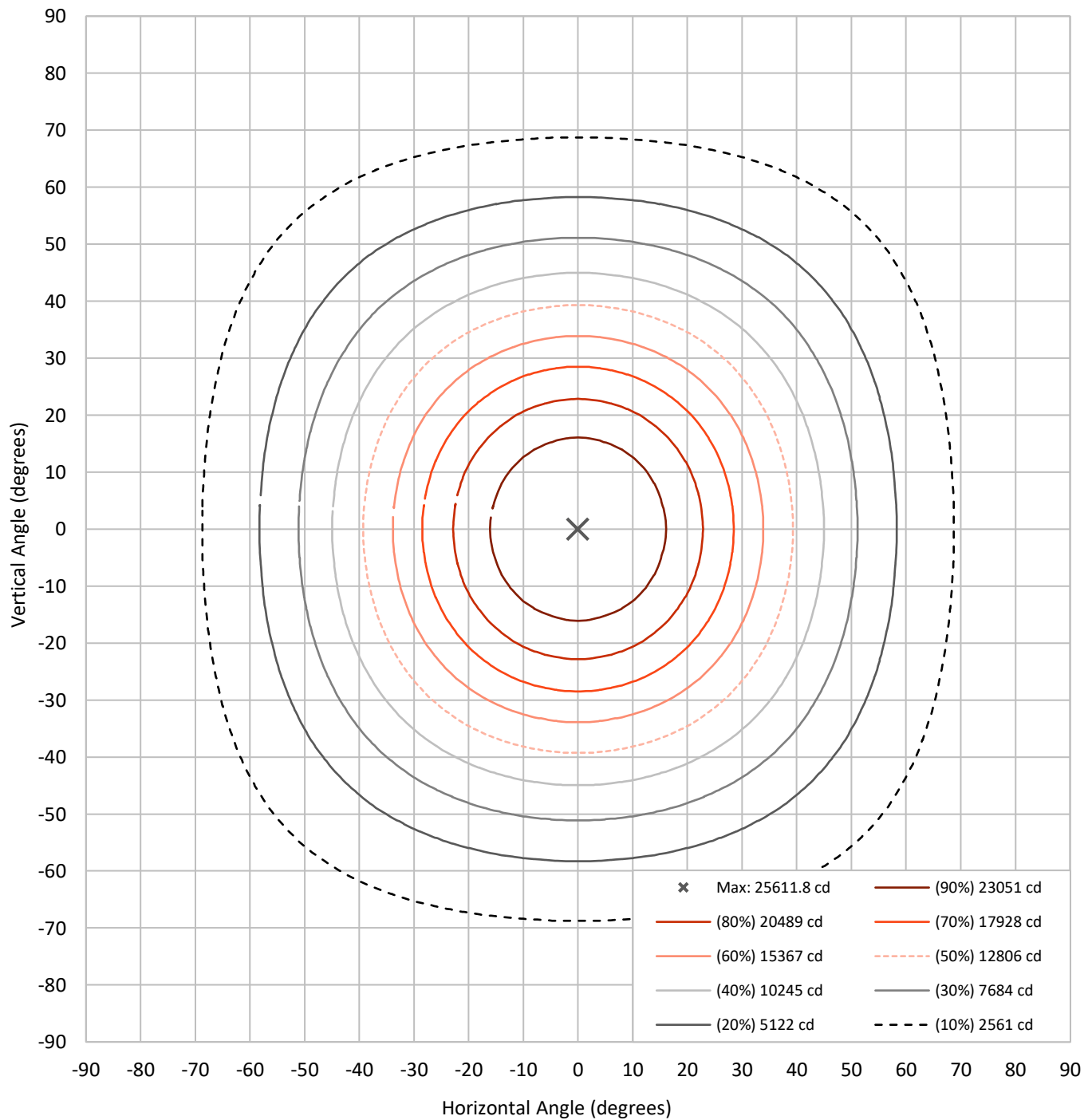
Input Watts (W): 422.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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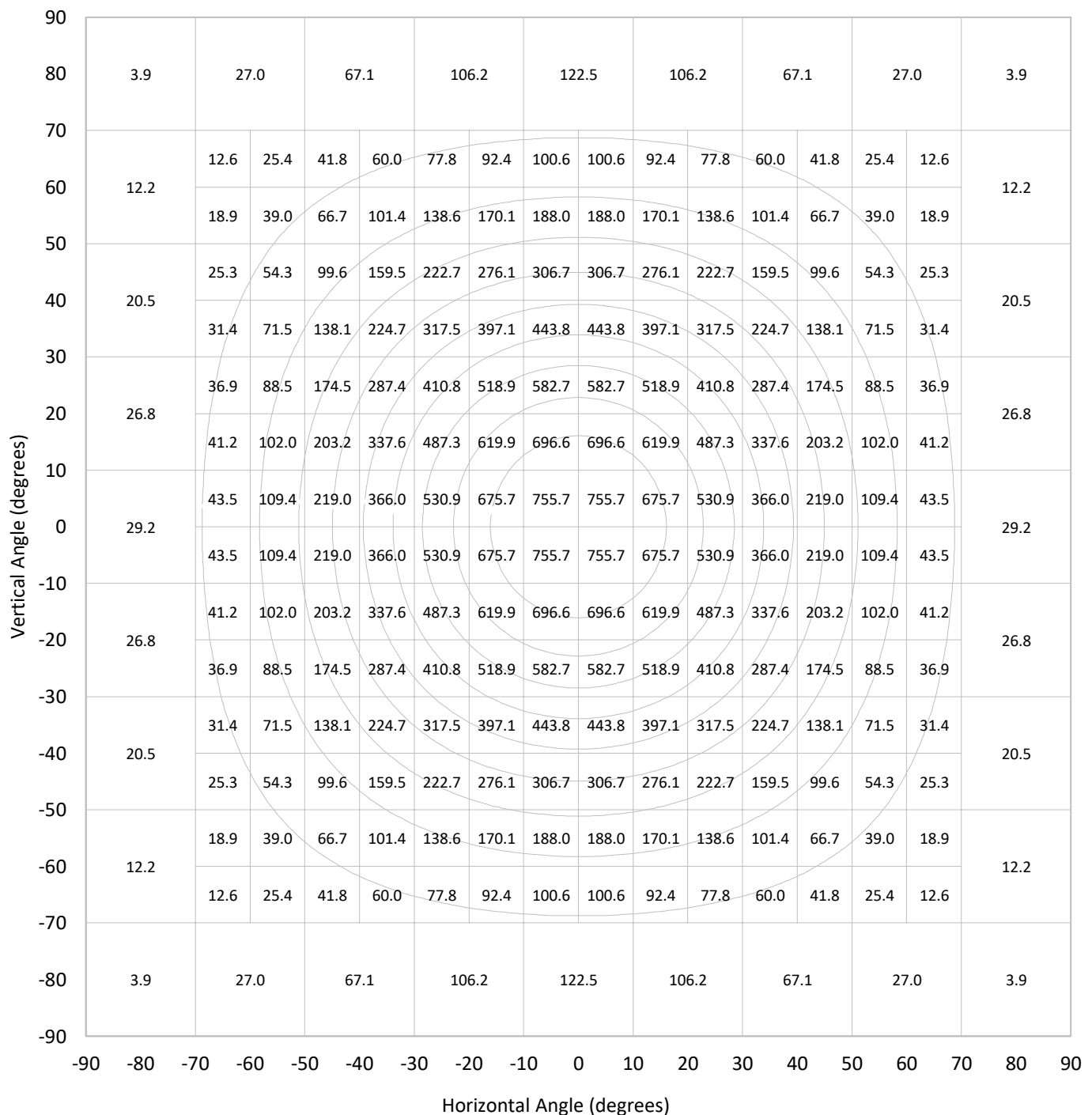
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## Iso-Candela Plot



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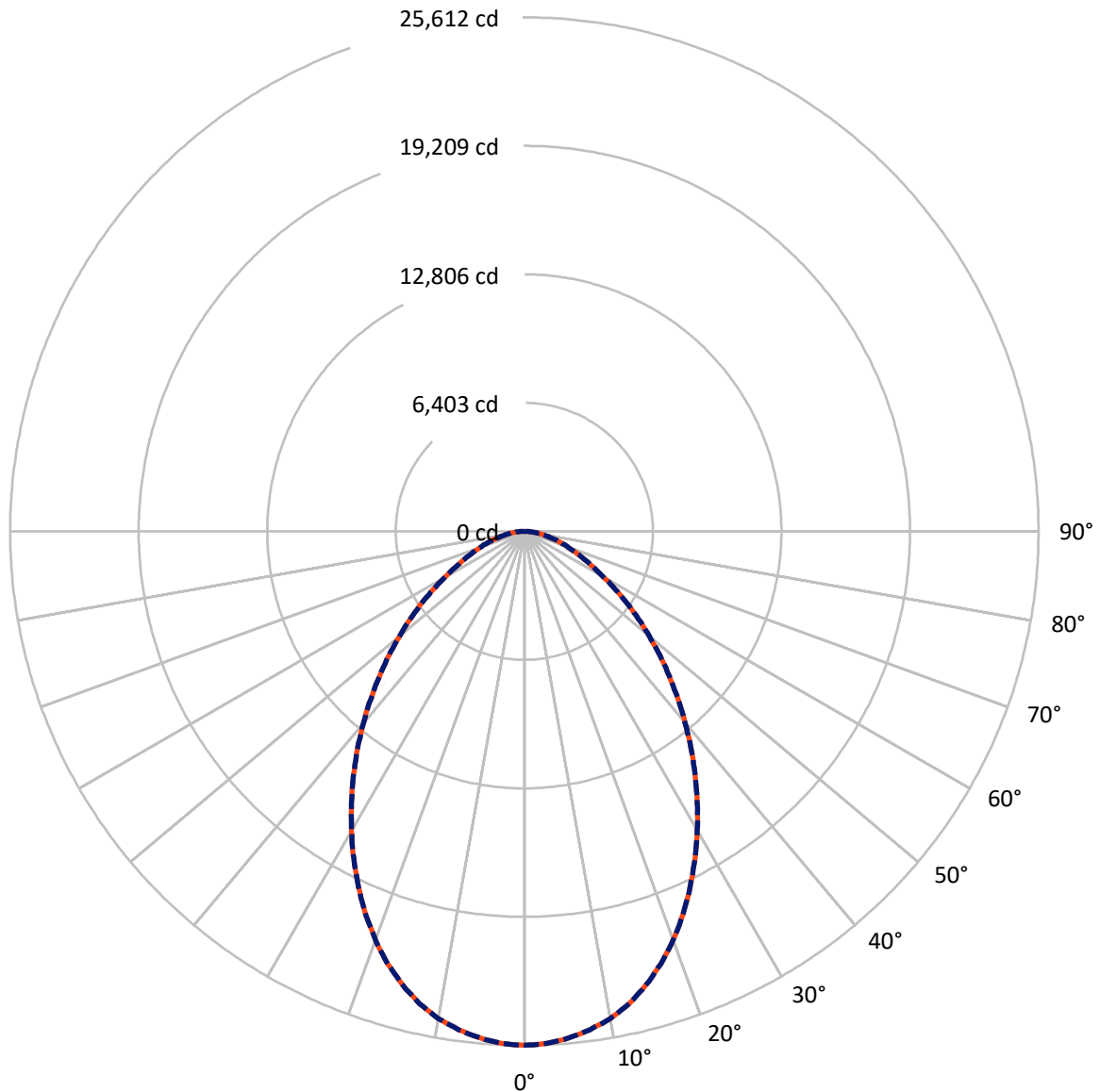
## Lumen Table



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## Luminous Intensity Polar Plot

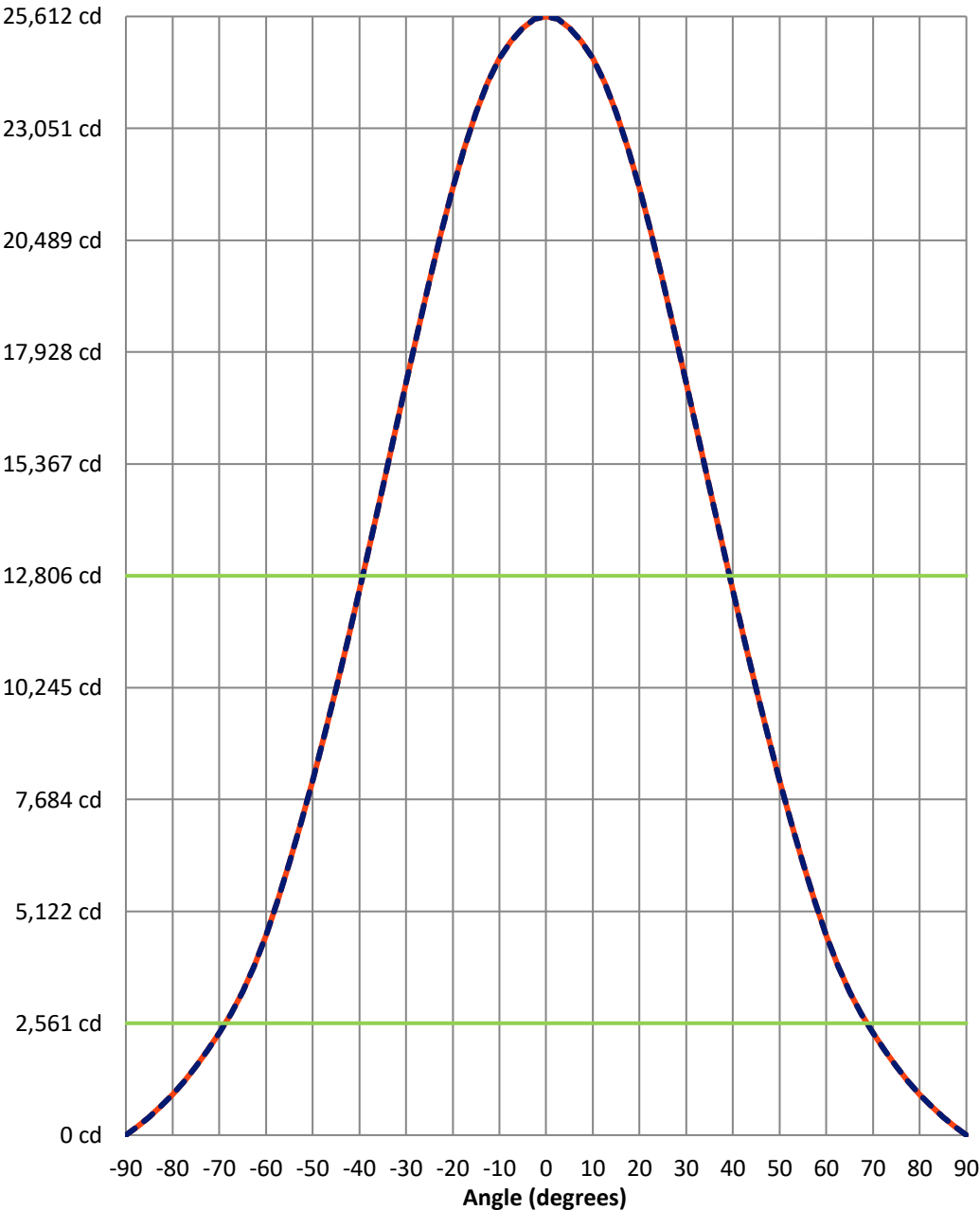


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



**Beam:**  
H Angle: 78.6°  
V Angle: 78.6°  
Lumens: 19953.3  
Efficiency: 43.3%

**Field:**  
H Angle: 137.5°  
V Angle: 137.5°  
Lumens: 32672.9  
Efficiency: 70.9%

**Spill:**  
Lumens: 13441.7  
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° | 197.1   | 197.1   | 197.1   | 197.1   | 197.1   | 197.1   | 197.1   | 187.5   | 187.5   | 182.7   | 177.9   |
| 85°   | 413.5   | 413.5   | 413.5   | 413.5   | 413.5   | 403.9   | 399.1   | 394.2   | 389.4   | 379.8   | 375.0   |
| 82.5° | 663.5   | 663.5   | 663.5   | 663.5   | 653.9   | 644.3   | 639.5   | 629.8   | 620.2   | 605.8   | 591.4   |
| 80°   | 927.9   | 927.9   | 927.9   | 927.9   | 913.5   | 903.9   | 889.5   | 879.8   | 865.4   | 846.2   | 827.0   |
| 77.5° | 1230.8  | 1230.8  | 1230.8  | 1216.4  | 1206.8  | 1192.4  | 1177.9  | 1158.7  | 1139.5  | 1115.4  | 1086.6  |
| 75°   | 1572.2  | 1572.2  | 1572.2  | 1553.0  | 1538.5  | 1524.1  | 1500.1  | 1476.0  | 1447.2  | 1413.5  | 1375.1  |
| 72.5° | 1942.4  | 1942.4  | 1942.4  | 1918.4  | 1903.9  | 1879.9  | 1851.0  | 1817.4  | 1783.7  | 1740.5  | 1692.4  |
| 70°   | 2341.5  | 2341.5  | 2341.5  | 2312.6  | 2288.6  | 2264.5  | 2226.1  | 2187.6  | 2139.5  | 2091.4  | 2033.7  |
| 67.5° | 2774.2  | 2774.2  | 2774.2  | 2740.5  | 2711.7  | 2678.0  | 2634.7  | 2586.7  | 2529.0  | 2461.7  | 2394.3  |
| 65°   | 3279.0  | 3279.0  | 3259.8  | 3230.9  | 3197.3  | 3149.2  | 3096.3  | 3029.0  | 2956.9  | 2870.3  | 2779.0  |
| 62.5° | 3875.2  | 3875.2  | 3846.3  | 3812.7  | 3769.4  | 3706.9  | 3634.8  | 3548.2  | 3447.3  | 3336.7  | 3226.1  |
| 60°   | 4567.5  | 4567.5  | 4533.9  | 4490.6  | 4428.1  | 4351.2  | 4255.0  | 4144.4  | 4019.4  | 3880.0  | 3745.4  |
| 57.5° | 5365.6  | 5365.6  | 5322.4  | 5264.7  | 5187.7  | 5091.6  | 4971.4  | 4832.0  | 4673.3  | 4500.2  | 4331.9  |
| 55°   | 6231.1  | 6231.1  | 6178.2  | 6110.9  | 6019.5  | 5904.1  | 5759.9  | 5596.4  | 5404.1  | 5207.0  | 4990.6  |
| 52.5° | 7149.4  | 7149.4  | 7086.9  | 7009.9  | 6904.2  | 6769.5  | 6606.1  | 6413.8  | 6192.6  | 5961.8  | 5707.0  |
| 50°   | 8115.8  | 8115.8  | 8043.6  | 7957.1  | 7836.9  | 7678.2  | 7490.7  | 7269.6  | 7024.4  | 6755.1  | 6461.8  |
| 47.5° | 9149.5  | 9149.5  | 9067.7  | 8966.8  | 8822.5  | 8639.8  | 8418.7  | 8163.8  | 7885.0  | 7582.1  | 7250.3  |
| 45°   | 10212.0 | 10212.0 | 10120.7 | 10005.3 | 9846.6  | 9639.9  | 9394.7  | 9149.5  | 8793.7  | 8442.7  | 8058.1  |
| 42.5° | 11317.8 | 11317.8 | 11212.1 | 11082.2 | 10899.5 | 10673.6 | 10394.7 | 10077.4 | 9726.4  | 9332.2  | 8913.9  |
| 40°   | 12466.9 | 12466.9 | 12346.7 | 12197.7 | 11995.7 | 11736.1 | 11423.6 | 11067.8 | 10673.6 | 10236.1 | 9774.5  |
| 37.5° | 13640.1 | 13640.1 | 13505.4 | 13342.0 | 13116.0 | 12827.5 | 12476.5 | 12082.3 | 11640.0 | 11154.4 | 10644.7 |
| 35°   | 14822.8 | 14822.8 | 14673.8 | 14495.9 | 14245.9 | 13928.5 | 13548.7 | 13111.2 | 12620.8 | 12091.9 | 11519.8 |
| 32.5° | 16029.6 | 16029.6 | 15866.1 | 15664.2 | 15380.5 | 15029.5 | 14611.3 | 14135.3 | 13640.1 | 13024.6 | 12399.6 |
| 30°   | 17222.0 | 17222.0 | 17044.1 | 16822.9 | 16520.0 | 16135.4 | 15678.6 | 15154.6 | 14572.8 | 13943.0 | 13269.8 |
| 27.5° | 18395.1 | 18347.0 | 18198.0 | 17962.4 | 17630.6 | 17222.0 | 16726.7 | 16159.4 | 15529.6 | 14837.2 | 14116.0 |
| 25°   | 19549.0 | 19496.1 | 19332.6 | 19073.0 | 18717.2 | 18270.1 | 17736.4 | 17130.6 | 16452.7 | 15721.9 | 14933.4 |
| 22.5° | 20654.8 | 20597.1 | 20424.0 | 20145.2 | 19765.3 | 19279.7 | 18707.6 | 18058.5 | 17337.3 | 16553.7 | 15721.9 |
| 20°   | 21678.9 | 21616.4 | 21438.5 | 21145.2 | 20751.0 | 20236.5 | 19630.7 | 18933.6 | 18164.3 | 17337.3 | 16452.7 |
| 17.5° | 22602.0 | 22539.5 | 22352.0 | 22049.1 | 21678.9 | 21106.7 | 20481.7 | 19746.1 | 18933.6 | 18058.5 | 17130.6 |
| 15°   | 23414.5 | 23347.2 | 23154.9 | 22852.0 | 22428.9 | 21890.4 | 21231.8 | 20481.7 | 19630.7 | 18707.6 | 17736.4 |
| 12.5° | 24106.9 | 24039.6 | 23842.5 | 23539.6 | 23102.0 | 22563.5 | 21890.4 | 21106.7 | 20236.5 | 19279.7 | 18270.1 |
| 10°   | 24655.0 | 24587.7 | 24400.2 | 24111.7 | 23659.8 | 23102.0 | 22428.9 | 21678.9 | 20751.0 | 19765.3 | 18717.2 |
| 7.5°  | 25049.2 | 24986.7 | 24813.7 | 24525.2 | 24111.7 | 23539.6 | 22852.0 | 22049.1 | 21145.2 | 20145.2 | 19073.0 |
| 5°    | 25347.3 | 25275.2 | 25102.1 | 24813.7 | 24400.2 | 23842.5 | 23154.9 | 22352.0 | 21438.5 | 20424.0 | 19332.6 |
| 2.5°  | 25554.1 | 25467.5 | 25275.2 | 24986.7 | 24587.7 | 24039.6 | 23347.2 | 22539.5 | 21616.4 | 20597.1 | 19496.1 |
| 0°    | 25611.8 | 25554.1 | 25347.3 | 25049.2 | 24655.0 | 24106.9 | 23414.5 | 22602.0 | 21678.9 | 20654.8 | 19549.0 |

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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° | 173.1   | 173.1   | 168.3   | 163.5   | 158.7   | 149.0   | 144.2   | 139.4   | 134.6  | 125.0  | 120.2  |
| 85°   | 365.4   | 355.8   | 346.2   | 336.6   | 322.1   | 312.5   | 298.1   | 288.5   | 274.1  | 259.6  | 245.2  |
| 82.5° | 576.9   | 562.5   | 543.3   | 528.9   | 509.6   | 485.6   | 466.4   | 442.3   | 418.3  | 399.1  | 375.0  |
| 80°   | 807.7   | 783.7   | 759.7   | 735.6   | 706.8   | 677.9   | 649.1   | 620.2   | 586.6  | 552.9  | 519.3  |
| 77.5° | 1057.7  | 1024.1  | 990.4   | 952.0   | 918.3   | 879.8   | 841.4   | 802.9   | 759.7  | 716.4  | 673.1  |
| 75°   | 1336.6  | 1293.3  | 1245.3  | 1197.2  | 1153.9  | 1101.0  | 1048.1  | 995.2   | 937.5  | 884.7  | 827.0  |
| 72.5° | 1639.5  | 1586.6  | 1528.9  | 1471.2  | 1408.7  | 1341.4  | 1274.1  | 1202.0  | 1134.7 | 1067.4 | 995.2  |
| 70°   | 1966.4  | 1903.9  | 1831.8  | 1759.7  | 1682.8  | 1601.0  | 1519.3  | 1432.8  | 1346.2 | 1259.7 | 1173.1 |
| 67.5° | 2317.4  | 2240.5  | 2153.9  | 2067.4  | 1971.2  | 1875.1  | 1778.9  | 1678.0  | 1572.2 | 1466.4 | 1365.4 |
| 65°   | 2692.4  | 2596.3  | 2495.3  | 2384.7  | 2274.1  | 2163.6  | 2048.2  | 1928.0  | 1807.8 | 1682.8 | 1572.2 |
| 62.5° | 3110.7  | 2990.5  | 2860.7  | 2726.1  | 2601.1  | 2466.5  | 2341.5  | 2192.4  | 2048.2 | 1908.7 | 1769.3 |
| 60°   | 3596.3  | 3437.7  | 3279.0  | 3110.7  | 2952.1  | 2779.0  | 2625.1  | 2461.7  | 2298.2 | 2139.5 | 1976.1 |
| 57.5° | 4139.6  | 3937.7  | 3745.4  | 3543.4  | 3331.9  | 3139.6  | 2942.4  | 2745.3  | 2562.6 | 2375.1 | 2197.2 |
| 55°   | 4755.0  | 4509.8  | 4269.4  | 4019.4  | 3774.2  | 3533.8  | 3283.8  | 3062.6  | 2836.7 | 2625.1 | 2418.4 |
| 52.5° | 5428.1  | 5149.3  | 4851.2  | 4567.5  | 4255.0  | 3956.9  | 3678.1  | 3399.2  | 3134.8 | 2879.9 | 2644.4 |
| 50°   | 6149.3  | 5822.4  | 5481.0  | 5134.9  | 4779.1  | 4428.1  | 4091.5  | 3764.6  | 3456.9 | 3158.8 | 2879.9 |
| 47.5° | 6899.4  | 6529.1  | 6139.7  | 5745.5  | 5365.6  | 4937.7  | 4533.9  | 4163.7  | 3793.4 | 3456.9 | 3134.8 |
| 45°   | 7668.6  | 7250.3  | 6822.4  | 6375.3  | 5928.2  | 5466.6  | 5019.5  | 4567.5  | 4163.7 | 3764.6 | 3399.2 |
| 42.5° | 8461.9  | 7990.8  | 7514.8  | 7019.6  | 6524.3  | 6019.5  | 5514.7  | 5019.5  | 4533.9 | 4091.5 | 3678.1 |
| 40°   | 9279.3  | 8760.0  | 8216.7  | 7678.2  | 7149.4  | 6572.4  | 6019.5  | 5466.6  | 4937.7 | 4428.1 | 3956.9 |
| 37.5° | 10096.6 | 9529.3  | 8942.7  | 8336.9  | 7731.1  | 7149.4  | 6524.3  | 5928.2  | 5365.6 | 4779.1 | 4255.0 |
| 35°   | 10918.8 | 10293.7 | 9659.1  | 9000.4  | 8336.9  | 7678.2  | 7019.6  | 6375.3  | 5745.5 | 5134.9 | 4567.5 |
| 32.5° | 11745.7 | 11063.0 | 10361.1 | 9659.1  | 8942.7  | 8216.7  | 7514.8  | 6822.4  | 6139.7 | 5481.0 | 4851.2 |
| 30°   | 12558.3 | 11817.9 | 11063.0 | 10293.7 | 9529.3  | 8760.0  | 7990.8  | 7250.3  | 6529.1 | 5822.4 | 5149.3 |
| 27.5° | 13351.6 | 12558.3 | 11745.7 | 10918.8 | 10096.6 | 9279.3  | 8461.9  | 7668.6  | 6899.4 | 6149.3 | 5428.1 |
| 25°   | 14116.0 | 13269.8 | 12399.6 | 11519.8 | 10644.7 | 9774.5  | 8913.9  | 8058.1  | 7250.3 | 6461.8 | 5707.0 |
| 22.5° | 14837.2 | 13943.0 | 13024.6 | 12091.9 | 11154.4 | 10236.1 | 9332.2  | 8442.7  | 7582.1 | 6755.1 | 5961.8 |
| 20°   | 15529.6 | 14572.8 | 13640.1 | 12620.8 | 11640.0 | 10673.6 | 9726.4  | 8793.7  | 7885.0 | 7024.4 | 6192.6 |
| 17.5° | 16159.4 | 15154.6 | 14135.3 | 13111.2 | 12082.3 | 11067.8 | 10077.4 | 9149.5  | 8163.8 | 7269.6 | 6413.8 |
| 15°   | 16726.7 | 15678.6 | 14611.3 | 13548.7 | 12476.5 | 11423.6 | 10394.7 | 9394.7  | 8418.7 | 7490.7 | 6606.1 |
| 12.5° | 17222.0 | 16135.4 | 15029.5 | 13928.5 | 12827.5 | 11736.1 | 10673.6 | 9639.9  | 8639.8 | 7678.2 | 6769.5 |
| 10°   | 17630.6 | 16520.0 | 15380.5 | 14245.9 | 13116.0 | 11995.7 | 10899.5 | 9846.6  | 8822.5 | 7836.9 | 6904.2 |
| 7.5°  | 17962.4 | 16822.9 | 15664.2 | 14495.9 | 13342.0 | 12197.7 | 11082.2 | 10005.3 | 8966.8 | 7957.1 | 7009.9 |
| 5°    | 18198.0 | 17044.1 | 15866.1 | 14673.8 | 13505.4 | 12346.7 | 11212.1 | 10120.7 | 9067.7 | 8043.6 | 7086.9 |
| 2.5°  | 18347.0 | 17222.0 | 16029.6 | 14822.8 | 13640.1 | 12466.9 | 11317.8 | 10212.0 | 9149.5 | 8115.8 | 7149.4 |
| 0°    | 18395.1 | 17222.0 | 16029.6 | 14822.8 | 13640.1 | 12466.9 | 11317.8 | 10212.0 | 9149.5 | 8115.8 | 7149.4 |



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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° | 115.4  | 105.8  | 96.2   | 91.4   | 81.7   | 76.9   | 67.3   | 57.7   | 52.9   | 43.3   | 33.7  |
| 85°   | 230.8  | 211.5  | 197.1  | 182.7  | 168.3  | 149.0  | 134.6  | 120.2  | 101.0  | 86.5   | 67.3  |
| 82.5° | 351.0  | 326.9  | 302.9  | 278.9  | 254.8  | 230.8  | 201.9  | 177.9  | 153.9  | 129.8  | 101.0 |
| 80°   | 485.6  | 447.1  | 413.5  | 379.8  | 346.2  | 312.5  | 274.1  | 240.4  | 201.9  | 168.3  | 134.6 |
| 77.5° | 625.0  | 581.8  | 533.7  | 485.6  | 437.5  | 394.2  | 346.2  | 302.9  | 259.6  | 211.5  | 168.3 |
| 75°   | 774.1  | 716.4  | 663.5  | 601.0  | 543.3  | 480.8  | 423.1  | 365.4  | 312.5  | 259.6  | 201.9 |
| 72.5° | 927.9  | 855.8  | 783.7  | 716.4  | 644.3  | 572.1  | 504.8  | 432.7  | 365.4  | 302.9  | 240.4 |
| 70°   | 1086.6 | 1000.0 | 913.5  | 831.8  | 750.0  | 663.5  | 586.6  | 504.8  | 423.1  | 346.2  | 274.1 |
| 67.5° | 1254.9 | 1153.9 | 1052.9 | 947.2  | 855.8  | 759.7  | 663.5  | 572.1  | 480.8  | 394.2  | 312.5 |
| 65°   | 1437.6 | 1317.4 | 1192.4 | 1081.8 | 961.6  | 855.8  | 750.0  | 644.3  | 543.3  | 437.5  | 346.2 |
| 62.5° | 1625.1 | 1485.6 | 1346.2 | 1206.8 | 1081.8 | 947.2  | 831.8  | 716.4  | 601.0  | 485.6  | 379.8 |
| 60°   | 1817.4 | 1658.7 | 1500.1 | 1346.2 | 1192.4 | 1052.9 | 913.5  | 783.7  | 663.5  | 533.7  | 413.5 |
| 57.5° | 2014.5 | 1836.6 | 1658.7 | 1485.6 | 1317.4 | 1153.9 | 1000.0 | 855.8  | 716.4  | 581.8  | 447.1 |
| 55°   | 2216.4 | 2014.5 | 1817.4 | 1625.1 | 1437.6 | 1254.9 | 1086.6 | 927.9  | 774.1  | 625.0  | 485.6 |
| 52.5° | 2418.4 | 2197.2 | 1976.1 | 1769.3 | 1572.2 | 1365.4 | 1173.1 | 995.2  | 827.0  | 673.1  | 519.3 |
| 50°   | 2625.1 | 2375.1 | 2139.5 | 1908.7 | 1682.8 | 1466.4 | 1259.7 | 1067.4 | 884.7  | 716.4  | 552.9 |
| 47.5° | 2836.7 | 2562.6 | 2298.2 | 2048.2 | 1807.8 | 1572.2 | 1346.2 | 1134.7 | 937.5  | 759.7  | 586.6 |
| 45°   | 3062.6 | 2745.3 | 2461.7 | 2192.4 | 1928.0 | 1678.0 | 1432.8 | 1202.0 | 995.2  | 802.9  | 620.2 |
| 42.5° | 3283.8 | 2942.4 | 2625.1 | 2341.5 | 2048.2 | 1778.9 | 1519.3 | 1274.1 | 1048.1 | 841.4  | 649.1 |
| 40°   | 3533.8 | 3139.6 | 2779.0 | 2466.5 | 2163.6 | 1875.1 | 1601.0 | 1341.4 | 1101.0 | 879.8  | 677.9 |
| 37.5° | 3774.2 | 3331.9 | 2952.1 | 2601.1 | 2274.1 | 1971.2 | 1682.8 | 1408.7 | 1153.9 | 918.3  | 706.8 |
| 35°   | 4019.4 | 3543.4 | 3110.7 | 2726.1 | 2384.7 | 2067.4 | 1759.7 | 1471.2 | 1197.2 | 952.0  | 735.6 |
| 32.5° | 4269.4 | 3745.4 | 3279.0 | 2860.7 | 2495.3 | 2153.9 | 1831.8 | 1528.9 | 1245.3 | 990.4  | 759.7 |
| 30°   | 4509.8 | 3937.7 | 3437.7 | 2990.5 | 2596.3 | 2240.5 | 1903.9 | 1586.6 | 1293.3 | 1024.1 | 783.7 |
| 27.5° | 4755.0 | 4139.6 | 3596.3 | 3110.7 | 2692.4 | 2317.4 | 1966.4 | 1639.5 | 1336.6 | 1057.7 | 807.7 |
| 25°   | 4990.6 | 4331.9 | 3745.4 | 3226.1 | 2779.0 | 2394.3 | 2033.7 | 1692.4 | 1375.1 | 1086.6 | 827.0 |
| 22.5° | 5207.0 | 4500.2 | 3880.0 | 3336.7 | 2870.3 | 2461.7 | 2091.4 | 1740.5 | 1413.5 | 1115.4 | 846.2 |
| 20°   | 5404.1 | 4673.3 | 4019.4 | 3447.3 | 2956.9 | 2529.0 | 2139.5 | 1783.7 | 1447.2 | 1139.5 | 865.4 |
| 17.5° | 5596.4 | 4832.0 | 4144.4 | 3548.2 | 3029.0 | 2586.7 | 2187.6 | 1817.4 | 1476.0 | 1158.7 | 879.8 |
| 15°   | 5759.9 | 4971.4 | 4255.0 | 3634.8 | 3096.3 | 2634.7 | 2226.1 | 1851.0 | 1500.1 | 1177.9 | 889.5 |
| 12.5° | 5904.1 | 5091.6 | 4351.2 | 3706.9 | 3149.2 | 2678.0 | 2264.5 | 1879.9 | 1524.1 | 1192.4 | 903.9 |
| 10°   | 6019.5 | 5187.7 | 4428.1 | 3769.4 | 3197.3 | 2711.7 | 2288.6 | 1903.9 | 1538.5 | 1206.8 | 913.5 |
| 7.5°  | 6110.9 | 5264.7 | 4490.6 | 3812.7 | 3230.9 | 2740.5 | 2312.6 | 1918.4 | 1553.0 | 1216.4 | 927.9 |
| 5°    | 6178.2 | 5322.4 | 4533.9 | 3846.3 | 3259.8 | 2774.2 | 2341.5 | 1942.4 | 1572.2 | 1230.8 | 927.9 |
| 2.5°  | 6231.1 | 5365.6 | 4567.5 | 3875.2 | 3279.0 | 2774.2 | 2341.5 | 1942.4 | 1572.2 | 1230.8 | 927.9 |
| 0°    | 6231.1 | 5365.6 | 4567.5 | 3875.2 | 3279.0 | 2774.2 | 2341.5 | 1942.4 | 1572.2 | 1230.8 | 927.9 |

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