

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: P623385

Luminaire Tested: **IFLD-S-SA3E-735-U-44**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623385  
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-44  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                   |                                        |                      |                 |
|-------------------|----------------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                                    | NEMA Type:           | 4H x 4V         |
| Luminaire Lumens: | 27623.6 lumens                         | Max Intensity:       | 89322.4 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') |                      |                 |

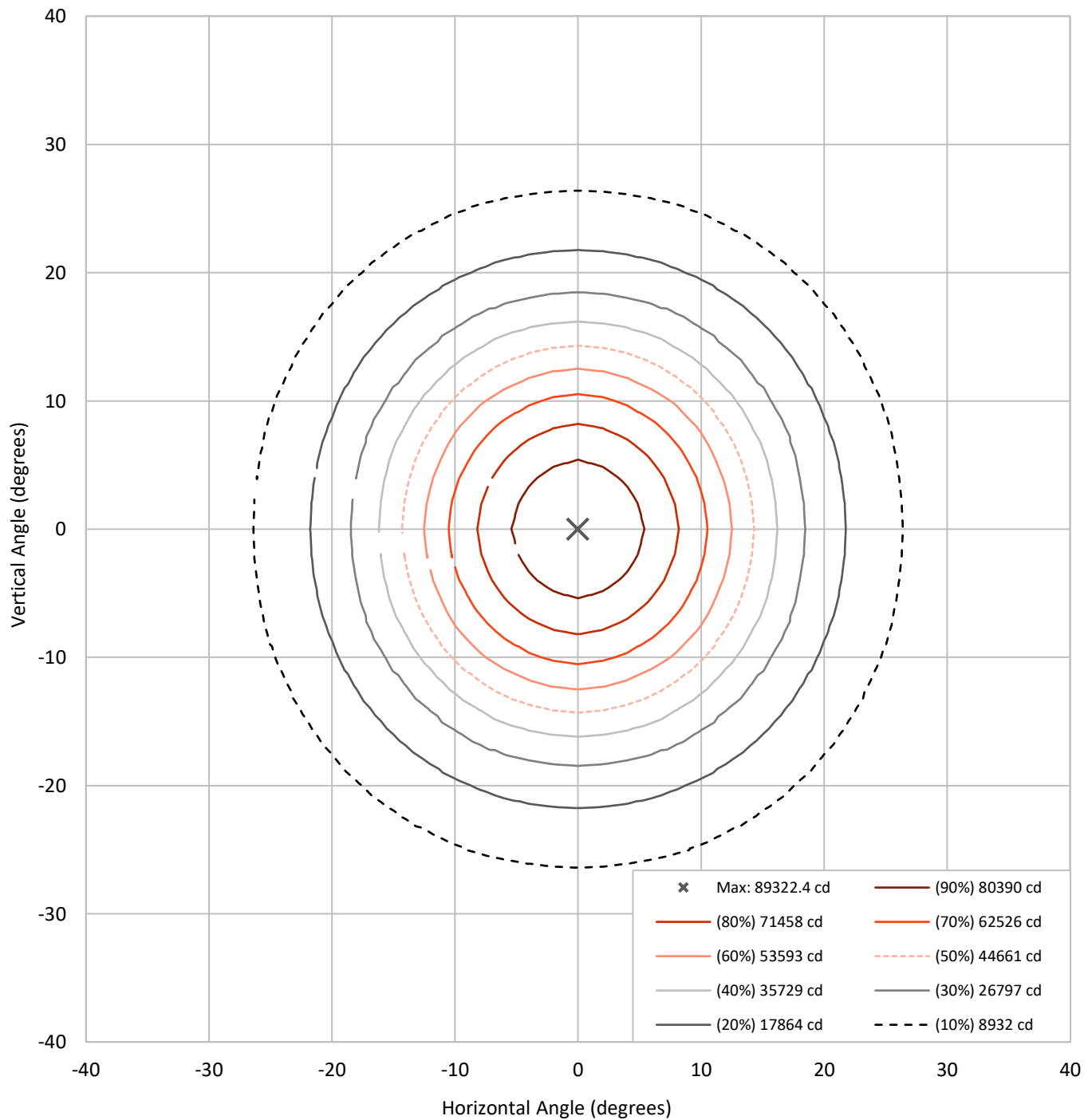
|                   |                 |                    |                 |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 28.6°H x 28.6°V | Field Angle (10%): | 52.7°H x 52.7°V |
| Beam Lumens:      | 9967.1 lumens   | Field Lumens:      | 16830.9 lumens  |
| Beam Efficiency:  | 36.1%           | Field Efficiency:  | 60.9%           |

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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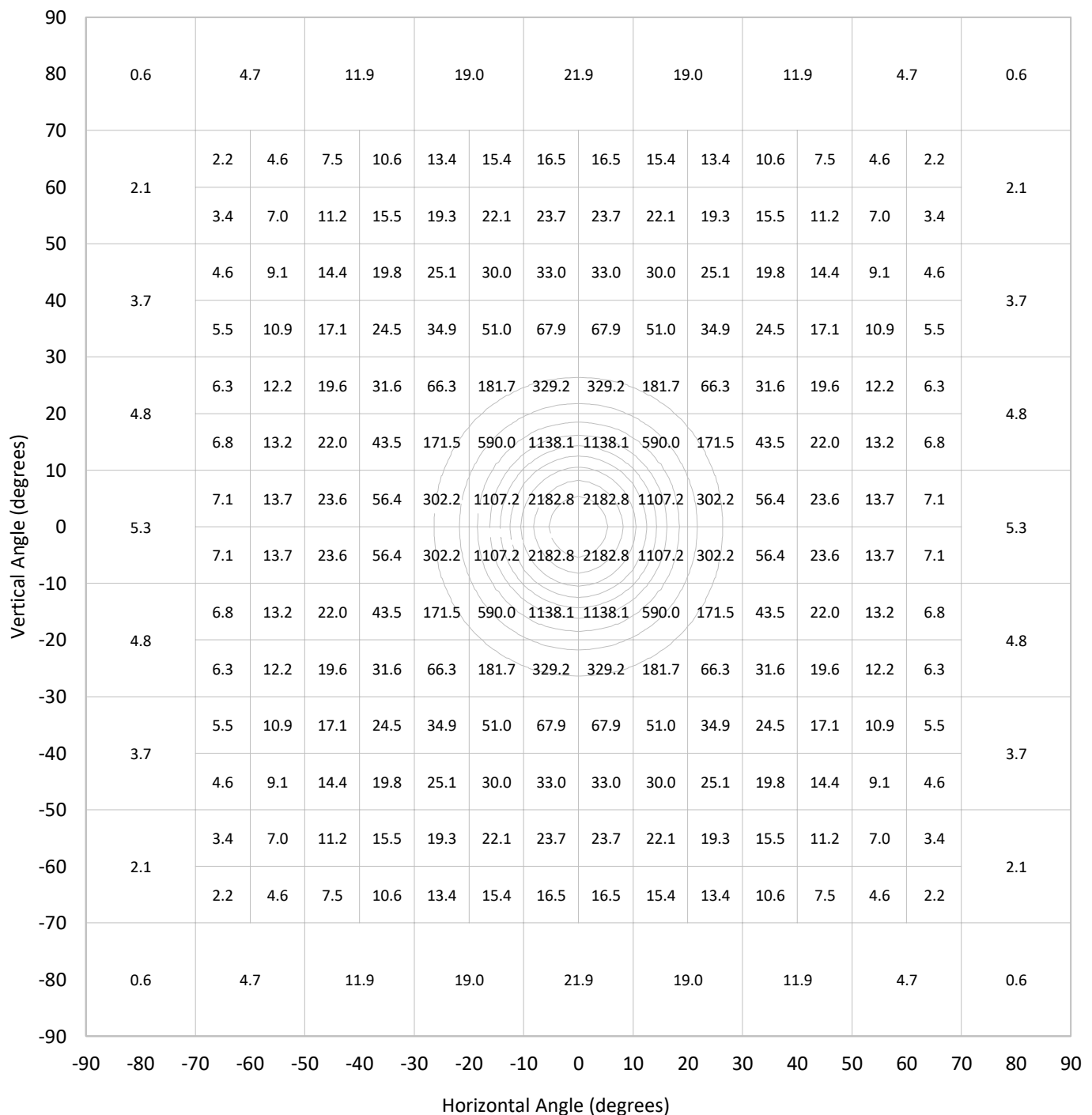
## Iso-Candela Plot





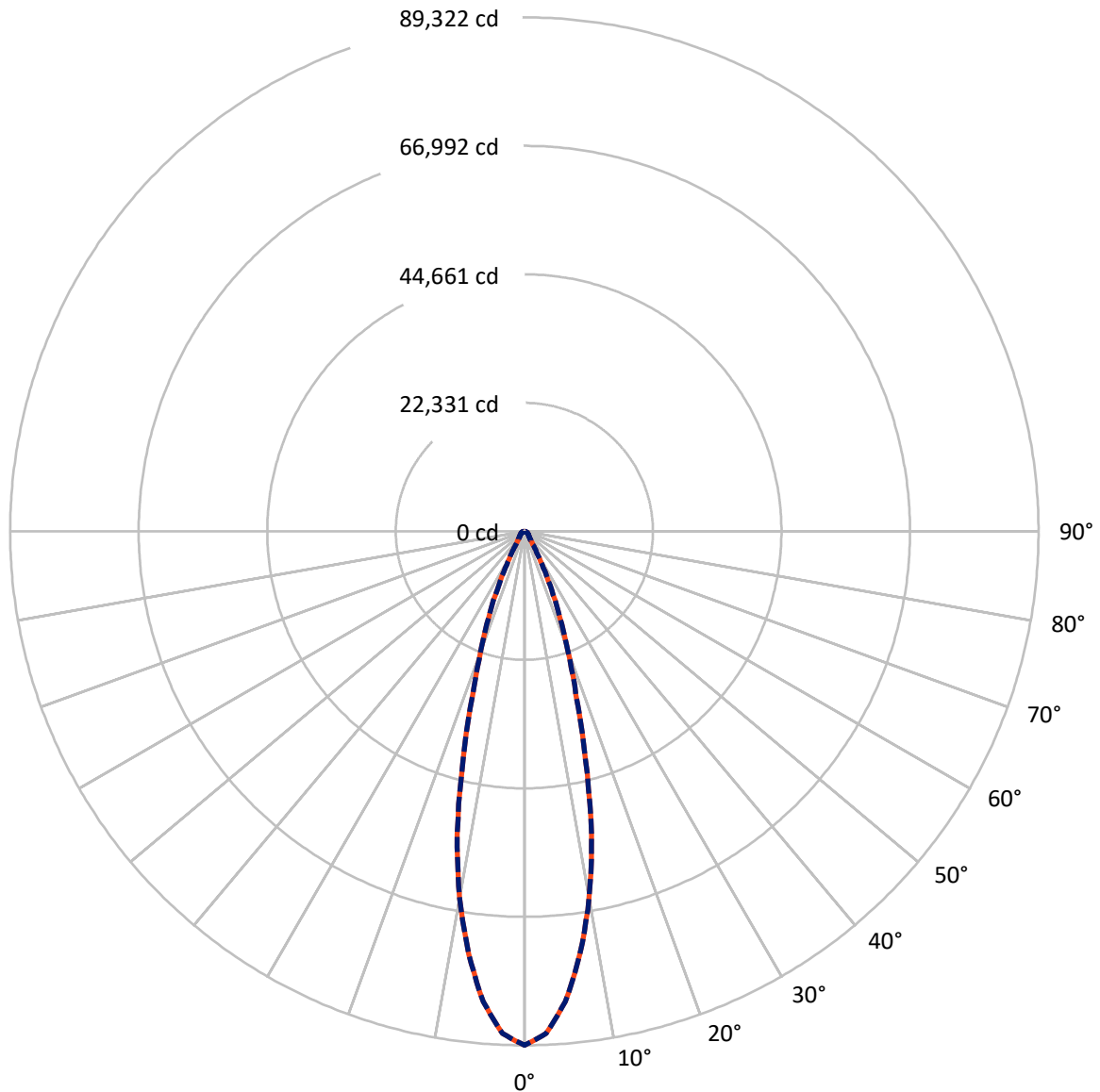
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## Lumen Table



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## Luminous Intensity Polar Plot

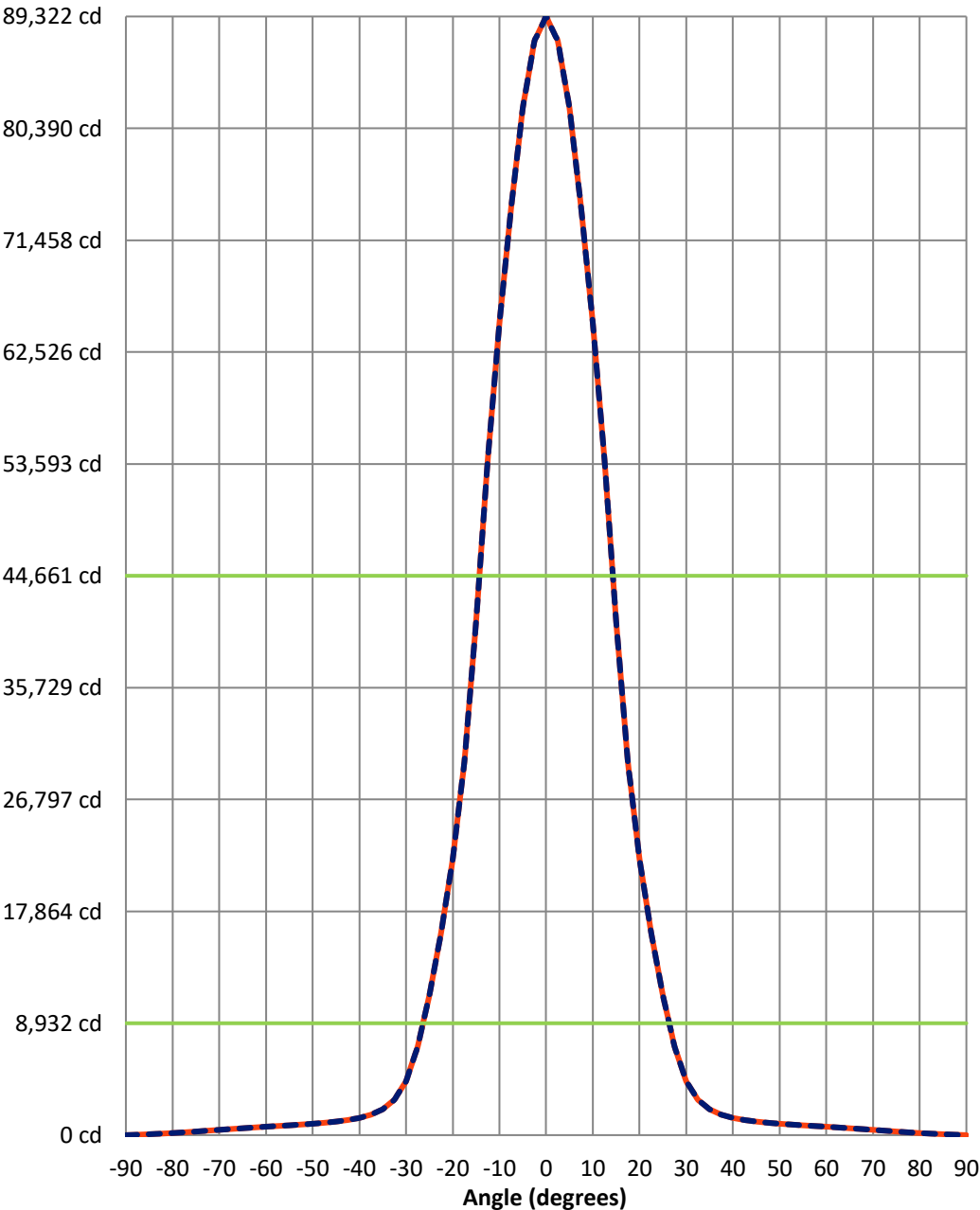


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



**Beam:**  
H Angle: 28.6°  
V Angle: 28.6°  
Lumens: 9967.1  
Efficiency: 36.1%

**Field:**  
H Angle: 52.7°  
V Angle: 52.7°  
Lumens: 16830.9  
Efficiency: 60.9%

**Spill:**  
Lumens: 10792.8  
Efficiency: 39.1%

— 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° | 31.7    | 31.7    | 31.7    | 31.7    | 31.7    | 31.7    | 31.7    | 28.8    | 28.8    | 28.8    | 28.8    |
| 85°   | 72.0    | 72.0    | 72.0    | 72.0    | 72.0    | 69.1    | 69.1    | 69.1    | 66.2    | 66.2    | 63.4    |
| 82.5° | 115.2   | 115.2   | 115.2   | 115.2   | 112.3   | 112.3   | 109.4   | 109.4   | 106.6   | 106.6   | 103.7   |
| 80°   | 164.2   | 164.2   | 164.2   | 164.2   | 161.3   | 158.4   | 158.4   | 155.5   | 152.6   | 149.8   | 146.9   |
| 77.5° | 221.8   | 221.8   | 221.8   | 218.9   | 216.0   | 216.0   | 213.1   | 207.4   | 204.5   | 198.7   | 195.8   |
| 75°   | 285.1   | 285.1   | 285.1   | 282.2   | 279.4   | 276.5   | 270.7   | 267.8   | 262.1   | 256.3   | 247.7   |
| 72.5° | 354.2   | 354.2   | 354.2   | 351.4   | 345.6   | 342.7   | 337.0   | 331.2   | 325.4   | 316.8   | 308.2   |
| 70°   | 420.5   | 420.5   | 420.5   | 414.7   | 411.8   | 406.1   | 400.3   | 394.6   | 385.9   | 377.3   | 368.6   |
| 67.5° | 486.7   | 486.7   | 486.7   | 481.0   | 478.1   | 472.3   | 466.6   | 457.9   | 449.3   | 437.8   | 429.1   |
| 65°   | 547.2   | 547.2   | 544.3   | 541.5   | 538.6   | 532.8   | 524.2   | 518.4   | 509.8   | 498.3   | 486.7   |
| 62.5° | 610.6   | 610.6   | 607.7   | 604.8   | 599.1   | 593.3   | 584.7   | 576.0   | 564.5   | 553.0   | 541.5   |
| 60°   | 673.9   | 673.9   | 671.1   | 668.2   | 662.4   | 653.8   | 645.1   | 636.5   | 625.0   | 610.6   | 596.2   |
| 57.5° | 725.8   | 725.8   | 722.9   | 720.0   | 714.3   | 708.5   | 699.9   | 691.2   | 679.7   | 668.2   | 650.9   |
| 55°   | 780.5   | 780.5   | 777.6   | 771.9   | 766.1   | 760.3   | 751.7   | 740.2   | 728.7   | 714.3   | 702.7   |
| 52.5° | 843.9   | 843.9   | 841.0   | 835.2   | 826.6   | 817.9   | 806.4   | 792.0   | 777.6   | 763.2   | 745.9   |
| 50°   | 907.2   | 907.2   | 901.5   | 895.7   | 889.9   | 878.4   | 866.9   | 852.5   | 835.2   | 817.9   | 797.8   |
| 47.5° | 985.0   | 985.0   | 979.2   | 970.6   | 959.1   | 947.5   | 930.3   | 910.1   | 892.8   | 872.7   | 849.6   |
| 45°   | 1080.0  | 1080.0  | 1071.4  | 1062.7  | 1048.3  | 1028.2  | 1008.0  | 985.0   | 959.1   | 933.1   | 904.3   |
| 42.5° | 1203.9  | 1203.9  | 1192.3  | 1177.9  | 1157.8  | 1131.9  | 1100.2  | 1068.5  | 1036.8  | 1002.3  | 967.7   |
| 40°   | 1370.9  | 1370.9  | 1353.6  | 1333.5  | 1301.8  | 1264.3  | 1218.3  | 1175.1  | 1131.9  | 1082.9  | 1039.7  |
| 37.5° | 1633.0  | 1633.0  | 1604.2  | 1566.8  | 1514.9  | 1451.6  | 1373.8  | 1316.2  | 1249.9  | 1186.6  | 1129.0  |
| 35°   | 2062.1  | 2062.1  | 2010.3  | 1944.0  | 1851.9  | 1736.7  | 1612.8  | 1514.9  | 1405.5  | 1316.2  | 1232.7  |
| 32.5° | 2825.3  | 2825.3  | 2721.7  | 2592.1  | 2416.4  | 2191.7  | 1984.4  | 1811.6  | 1633.0  | 1494.8  | 1362.3  |
| 30°   | 4302.8  | 4302.8  | 4081.1  | 3807.4  | 3430.2  | 2957.8  | 2603.6  | 2272.4  | 1970.0  | 1742.4  | 1549.5  |
| 27.5° | 7076.3  | 6961.1  | 6615.5  | 6048.1  | 5270.5  | 4302.8  | 3686.5  | 2986.6  | 2508.5  | 2073.6  | 1805.8  |
| 25°   | 11171.8 | 10981.7 | 10411.4 | 9481.2  | 8213.9  | 6776.8  | 5518.2  | 4190.5  | 3352.4  | 2629.5  | 2131.2  |
| 22.5° | 16148.5 | 15886.4 | 15111.7 | 13847.4 | 12133.7 | 10221.4 | 8185.1  | 6275.7  | 4576.4  | 3476.2  | 2629.5  |
| 20°   | 22041.1 | 21689.8 | 20650.1 | 18962.4 | 16692.9 | 14259.2 | 11540.4 | 8982.9  | 6532.0  | 4576.4  | 3352.4  |
| 17.5° | 29820.2 | 29284.5 | 27709.1 | 25174.7 | 22041.1 | 18760.7 | 15362.3 | 12061.7 | 8982.9  | 6275.7  | 4190.5  |
| 15°   | 41003.5 | 40099.2 | 37455.3 | 33256.1 | 28377.3 | 23803.7 | 19469.2 | 15362.3 | 11540.4 | 8185.1  | 5518.2  |
| 12.5° | 53932.1 | 52673.5 | 49030.2 | 43347.9 | 36718.0 | 29486.1 | 23803.7 | 18760.7 | 14259.2 | 10221.4 | 6776.8  |
| 10°   | 64824.5 | 63496.8 | 59732.6 | 54032.9 | 45626.0 | 36718.0 | 28377.3 | 22041.1 | 16692.9 | 12133.7 | 8213.9  |
| 7.5°  | 74026.3 | 72540.2 | 68482.2 | 62246.9 | 54032.9 | 43347.9 | 33256.1 | 25174.7 | 18962.4 | 13847.4 | 9481.2  |
| 5°    | 82018.5 | 80135.0 | 75411.6 | 68482.2 | 59732.6 | 49030.2 | 37455.3 | 27709.1 | 20650.1 | 15111.7 | 10411.4 |
| 2.5°  | 87358.2 | 85146.3 | 80135.0 | 72540.2 | 63496.8 | 52673.5 | 40099.2 | 29284.5 | 21689.8 | 15886.4 | 10981.7 |
| 0°    | 89322.4 | 87358.2 | 82018.5 | 74026.3 | 64824.5 | 53932.1 | 41003.5 | 29820.2 | 22041.1 | 16148.5 | 11171.8 |

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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° | 28.8   | 28.8   | 25.9   | 25.9   | 25.9   | 23.0   | 23.0   | 23.0   | 20.2  | 20.2  | 20.2  |
| 85°   | 63.4   | 60.5   | 60.5   | 57.6   | 54.7   | 51.8   | 51.8   | 49.0   | 46.1  | 43.2  | 40.3  |
| 82.5° | 100.8  | 97.9   | 95.0   | 92.2   | 89.3   | 83.5   | 80.6   | 77.8   | 72.0  | 69.1  | 66.2  |
| 80°   | 141.1  | 138.2  | 132.5  | 129.6  | 123.8  | 118.1  | 112.3  | 106.6  | 100.8 | 95.0  | 89.3  |
| 77.5° | 190.1  | 181.4  | 175.7  | 169.9  | 161.3  | 155.5  | 146.9  | 141.1  | 132.5 | 123.8 | 115.2 |
| 75°   | 241.9  | 233.3  | 224.6  | 216.0  | 207.4  | 195.8  | 187.2  | 175.7  | 167.0 | 155.5 | 146.9 |
| 72.5° | 299.5  | 288.0  | 276.5  | 265.0  | 253.4  | 241.9  | 230.4  | 216.0  | 204.5 | 190.1 | 175.7 |
| 70°   | 357.1  | 345.6  | 334.1  | 319.7  | 305.3  | 290.9  | 276.5  | 259.2  | 244.8 | 227.5 | 210.2 |
| 67.5° | 417.6  | 403.2  | 388.8  | 374.4  | 360.0  | 342.7  | 322.6  | 305.3  | 285.1 | 265.0 | 247.7 |
| 65°   | 475.2  | 460.8  | 443.5  | 426.2  | 409.0  | 391.7  | 371.5  | 351.4  | 328.3 | 305.3 | 285.1 |
| 62.5° | 527.1  | 512.7  | 498.3  | 478.1  | 460.8  | 440.7  | 420.5  | 394.6  | 371.5 | 348.5 | 322.6 |
| 60°   | 581.8  | 564.5  | 547.2  | 527.1  | 506.9  | 486.7  | 463.7  | 437.8  | 414.7 | 385.9 | 360.0 |
| 57.5° | 633.6  | 616.3  | 596.2  | 576.0  | 553.0  | 529.9  | 506.9  | 481.0  | 455.1 | 426.2 | 397.4 |
| 55°   | 685.5  | 668.2  | 648.0  | 625.0  | 599.1  | 573.1  | 547.2  | 521.3  | 495.4 | 463.7 | 432.0 |
| 52.5° | 728.7  | 711.4  | 691.2  | 673.9  | 645.1  | 619.2  | 590.4  | 558.7  | 529.9 | 498.3 | 466.6 |
| 50°   | 774.7  | 754.6  | 731.5  | 711.4  | 688.3  | 662.4  | 630.7  | 599.1  | 564.5 | 532.8 | 498.3 |
| 47.5° | 826.6  | 800.7  | 774.7  | 748.8  | 725.8  | 697.0  | 671.1  | 636.5  | 601.9 | 564.5 | 529.9 |
| 45°   | 878.4  | 849.6  | 820.8  | 789.1  | 760.3  | 731.5  | 702.7  | 673.9  | 636.5 | 599.1 | 558.7 |
| 42.5° | 933.1  | 898.6  | 866.9  | 835.2  | 800.7  | 766.1  | 734.4  | 702.7  | 671.1 | 630.7 | 590.4 |
| 40°   | 996.5  | 956.2  | 915.9  | 878.4  | 843.9  | 803.5  | 766.1  | 731.5  | 697.0 | 662.4 | 619.2 |
| 37.5° | 1068.5 | 1019.5 | 970.6  | 924.5  | 881.3  | 843.9  | 800.7  | 760.3  | 725.8 | 688.3 | 645.1 |
| 35°   | 1160.7 | 1088.7 | 1031.1 | 973.5  | 924.5  | 878.4  | 835.2  | 789.1  | 748.8 | 711.4 | 673.9 |
| 32.5° | 1264.3 | 1175.1 | 1097.3 | 1031.1 | 970.6  | 915.9  | 866.9  | 820.8  | 774.7 | 731.5 | 691.2 |
| 30°   | 1391.1 | 1275.9 | 1175.1 | 1088.7 | 1019.5 | 956.2  | 898.6  | 849.6  | 800.7 | 754.6 | 711.4 |
| 27.5° | 1569.6 | 1391.1 | 1264.3 | 1160.7 | 1068.5 | 996.5  | 933.1  | 878.4  | 826.6 | 774.7 | 728.7 |
| 25°   | 1805.8 | 1549.5 | 1362.3 | 1232.7 | 1129.0 | 1039.7 | 967.7  | 904.3  | 849.6 | 797.8 | 745.9 |
| 22.5° | 2073.6 | 1742.4 | 1494.8 | 1316.2 | 1186.6 | 1082.9 | 1002.3 | 933.1  | 872.7 | 817.9 | 763.2 |
| 20°   | 2508.5 | 1970.0 | 1633.0 | 1405.5 | 1249.9 | 1131.9 | 1036.8 | 959.1  | 892.8 | 835.2 | 777.6 |
| 17.5° | 2986.6 | 2272.4 | 1811.6 | 1514.9 | 1316.2 | 1175.1 | 1068.5 | 985.0  | 910.1 | 852.5 | 792.0 |
| 15°   | 3686.5 | 2603.6 | 1984.4 | 1612.8 | 1373.8 | 1218.3 | 1100.2 | 1008.0 | 930.3 | 866.9 | 806.4 |
| 12.5° | 4302.8 | 2957.8 | 2191.7 | 1736.7 | 1451.6 | 1264.3 | 1131.9 | 1028.2 | 947.5 | 878.4 | 817.9 |
| 10°   | 5270.5 | 3430.2 | 2416.4 | 1851.9 | 1514.9 | 1301.8 | 1157.8 | 1048.3 | 959.1 | 889.9 | 826.6 |
| 7.5°  | 6048.1 | 3807.4 | 2592.1 | 1944.0 | 1566.8 | 1333.5 | 1177.9 | 1062.7 | 970.6 | 895.7 | 835.2 |
| 5°    | 6615.5 | 4081.1 | 2721.7 | 2010.3 | 1604.2 | 1353.6 | 1192.3 | 1071.4 | 979.2 | 901.5 | 841.0 |
| 2.5°  | 6961.1 | 4302.8 | 2825.3 | 2062.1 | 1633.0 | 1370.9 | 1203.9 | 1080.0 | 985.0 | 907.2 | 843.9 |
| 0°    | 7076.3 | 4302.8 | 2825.3 | 2062.1 | 1633.0 | 1370.9 | 1203.9 | 1080.0 | 985.0 | 907.2 | 843.9 |



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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° | 17.3  | 17.3  | 14.4  | 14.4  | 14.4  | 11.5  | 11.5  | 8.6   | 8.6   | 5.8   | 5.8   |
| 85°   | 37.4  | 34.6  | 31.7  | 28.8  | 25.9  | 23.0  | 23.0  | 20.2  | 17.3  | 14.4  | 11.5  |
| 82.5° | 60.5  | 57.6  | 51.8  | 46.1  | 43.2  | 37.4  | 31.7  | 28.8  | 25.9  | 20.2  | 17.3  |
| 80°   | 83.5  | 77.8  | 72.0  | 66.2  | 60.5  | 51.8  | 46.1  | 40.3  | 31.7  | 25.9  | 23.0  |
| 77.5° | 109.4 | 100.8 | 92.2  | 83.5  | 74.9  | 69.1  | 60.5  | 51.8  | 43.2  | 34.6  | 25.9  |
| 75°   | 135.4 | 123.8 | 115.2 | 103.7 | 95.0  | 83.5  | 72.0  | 63.4  | 54.7  | 43.2  | 31.7  |
| 72.5° | 164.2 | 149.8 | 138.2 | 123.8 | 112.3 | 100.8 | 86.4  | 74.9  | 63.4  | 51.8  | 40.3  |
| 70°   | 195.8 | 178.6 | 161.3 | 146.9 | 132.5 | 115.2 | 100.8 | 86.4  | 72.0  | 60.5  | 46.1  |
| 67.5° | 227.5 | 207.4 | 187.2 | 167.0 | 149.8 | 132.5 | 115.2 | 100.8 | 83.5  | 69.1  | 51.8  |
| 65°   | 259.2 | 236.2 | 216.0 | 193.0 | 169.9 | 149.8 | 132.5 | 112.3 | 95.0  | 74.9  | 60.5  |
| 62.5° | 293.8 | 267.8 | 241.9 | 216.0 | 193.0 | 167.0 | 146.9 | 123.8 | 103.7 | 83.5  | 66.2  |
| 60°   | 331.2 | 302.4 | 270.7 | 241.9 | 216.0 | 187.2 | 161.3 | 138.2 | 115.2 | 92.2  | 72.0  |
| 57.5° | 365.8 | 334.1 | 302.4 | 267.8 | 236.2 | 207.4 | 178.6 | 149.8 | 123.8 | 100.8 | 77.8  |
| 55°   | 400.3 | 365.8 | 331.2 | 293.8 | 259.2 | 227.5 | 195.8 | 164.2 | 135.4 | 109.4 | 83.5  |
| 52.5° | 432.0 | 397.4 | 360.0 | 322.6 | 285.1 | 247.7 | 210.2 | 175.7 | 146.9 | 115.2 | 89.3  |
| 50°   | 463.7 | 426.2 | 385.9 | 348.5 | 305.3 | 265.0 | 227.5 | 190.1 | 155.5 | 123.8 | 95.0  |
| 47.5° | 495.4 | 455.1 | 414.7 | 371.5 | 328.3 | 285.1 | 244.8 | 204.5 | 167.0 | 132.5 | 100.8 |
| 45°   | 521.3 | 481.0 | 437.8 | 394.6 | 351.4 | 305.3 | 259.2 | 216.0 | 175.7 | 141.1 | 106.6 |
| 42.5° | 547.2 | 506.9 | 463.7 | 420.5 | 371.5 | 322.6 | 276.5 | 230.4 | 187.2 | 146.9 | 112.3 |
| 40°   | 573.1 | 529.9 | 486.7 | 440.7 | 391.7 | 342.7 | 290.9 | 241.9 | 195.8 | 155.5 | 118.1 |
| 37.5° | 599.1 | 553.0 | 506.9 | 460.8 | 409.0 | 360.0 | 305.3 | 253.4 | 207.4 | 161.3 | 123.8 |
| 35°   | 625.0 | 576.0 | 527.1 | 478.1 | 426.2 | 374.4 | 319.7 | 265.0 | 216.0 | 169.9 | 129.6 |
| 32.5° | 648.0 | 596.2 | 547.2 | 498.3 | 443.5 | 388.8 | 334.1 | 276.5 | 224.6 | 175.7 | 132.5 |
| 30°   | 668.2 | 616.3 | 564.5 | 512.7 | 460.8 | 403.2 | 345.6 | 288.0 | 233.3 | 181.4 | 138.2 |
| 27.5° | 685.5 | 633.6 | 581.8 | 527.1 | 475.2 | 417.6 | 357.1 | 299.5 | 241.9 | 190.1 | 141.1 |
| 25°   | 702.7 | 650.9 | 596.2 | 541.5 | 486.7 | 429.1 | 368.6 | 308.2 | 247.7 | 195.8 | 146.9 |
| 22.5° | 714.3 | 668.2 | 610.6 | 553.0 | 498.3 | 437.8 | 377.3 | 316.8 | 256.3 | 198.7 | 149.8 |
| 20°   | 728.7 | 679.7 | 625.0 | 564.5 | 509.8 | 449.3 | 385.9 | 325.4 | 262.1 | 204.5 | 152.6 |
| 17.5° | 740.2 | 691.2 | 636.5 | 576.0 | 518.4 | 457.9 | 394.6 | 331.2 | 267.8 | 207.4 | 155.5 |
| 15°   | 751.7 | 699.9 | 645.1 | 584.7 | 524.2 | 466.6 | 400.3 | 337.0 | 270.7 | 213.1 | 158.4 |
| 12.5° | 760.3 | 708.5 | 653.8 | 593.3 | 532.8 | 472.3 | 406.1 | 342.7 | 276.5 | 216.0 | 158.4 |
| 10°   | 766.1 | 714.3 | 662.4 | 599.1 | 538.6 | 478.1 | 411.8 | 345.6 | 279.4 | 216.0 | 161.3 |
| 7.5°  | 771.9 | 720.0 | 668.2 | 604.8 | 541.5 | 481.0 | 414.7 | 351.4 | 282.2 | 218.9 | 164.2 |
| 5°    | 777.6 | 722.9 | 671.1 | 607.7 | 544.3 | 486.7 | 420.5 | 354.2 | 285.1 | 221.8 | 164.2 |
| 2.5°  | 780.5 | 725.8 | 673.9 | 610.6 | 547.2 | 486.7 | 420.5 | 354.2 | 285.1 | 221.8 | 164.2 |
| 0°    | 780.5 | 725.8 | 673.9 | 610.6 | 547.2 | 486.7 | 420.5 | 354.2 | 285.1 | 221.8 | 164.2 |

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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°  | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90°   | 0.0   | 0.0  | 0.0   | 0.0 |
| 87.5° | 2.9   | 2.9  | 0.0   | 0.0 |
| 85°   | 8.6   | 5.8  | 2.9   | 0.0 |
| 82.5° | 11.5  | 8.6  | 2.9   | 0.0 |
| 80°   | 17.3  | 11.5 | 5.8   | 0.0 |
| 77.5° | 20.2  | 14.4 | 5.8   | 0.0 |
| 75°   | 25.9  | 17.3 | 8.6   | 0.0 |
| 72.5° | 28.8  | 20.2 | 8.6   | 0.0 |
| 70°   | 31.7  | 23.0 | 11.5  | 0.0 |
| 67.5° | 37.4  | 23.0 | 11.5  | 0.0 |
| 65°   | 43.2  | 25.9 | 14.4  | 0.0 |
| 62.5° | 46.1  | 28.8 | 14.4  | 0.0 |
| 60°   | 51.8  | 31.7 | 14.4  | 0.0 |
| 57.5° | 57.6  | 34.6 | 17.3  | 0.0 |
| 55°   | 60.5  | 37.4 | 17.3  | 0.0 |
| 52.5° | 66.2  | 40.3 | 20.2  | 0.0 |
| 50°   | 69.1  | 43.2 | 20.2  | 0.0 |
| 47.5° | 72.0  | 46.1 | 20.2  | 0.0 |
| 45°   | 77.8  | 49.0 | 23.0  | 0.0 |
| 42.5° | 80.6  | 51.8 | 23.0  | 0.0 |
| 40°   | 83.5  | 51.8 | 23.0  | 0.0 |
| 37.5° | 89.3  | 54.7 | 25.9  | 0.0 |
| 35°   | 92.2  | 57.6 | 25.9  | 0.0 |
| 32.5° | 95.0  | 60.5 | 25.9  | 0.0 |
| 30°   | 97.9  | 60.5 | 28.8  | 0.0 |
| 27.5° | 100.8 | 63.4 | 28.8  | 0.0 |
| 25°   | 103.7 | 63.4 | 28.8  | 0.0 |
| 22.5° | 106.6 | 66.2 | 28.8  | 0.0 |
| 20°   | 106.6 | 66.2 | 28.8  | 0.0 |
| 17.5° | 109.4 | 69.1 | 28.8  | 0.0 |
| 15°   | 109.4 | 69.1 | 31.7  | 0.0 |
| 12.5° | 112.3 | 69.1 | 31.7  | 0.0 |
| 10°   | 112.3 | 72.0 | 31.7  | 0.0 |
| 7.5°  | 115.2 | 72.0 | 31.7  | 0.0 |
| 5°    | 115.2 | 72.0 | 31.7  | 0.0 |
| 2.5°  | 115.2 | 72.0 | 31.7  | 0.0 |
| 0°    | 115.2 | 72.0 | 31.7  | 0.0 |

(END OF REPORT)