

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: P623105

Luminaire Tested: **IFLD-L-SA8B-740-U-33**

Issue Date: 10/13/2022

Test Information

Test Method: LM-79-2019
Report Number: P623105
Test Lab: INNOVATION CENTER(G2)
Issue Date: 10/13/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-740-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens
Light Source: (128) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

| | | | |
|-------------------|------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 42347.6 lumens | Max Intensity: | 394051.4 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 132.3 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') | | |

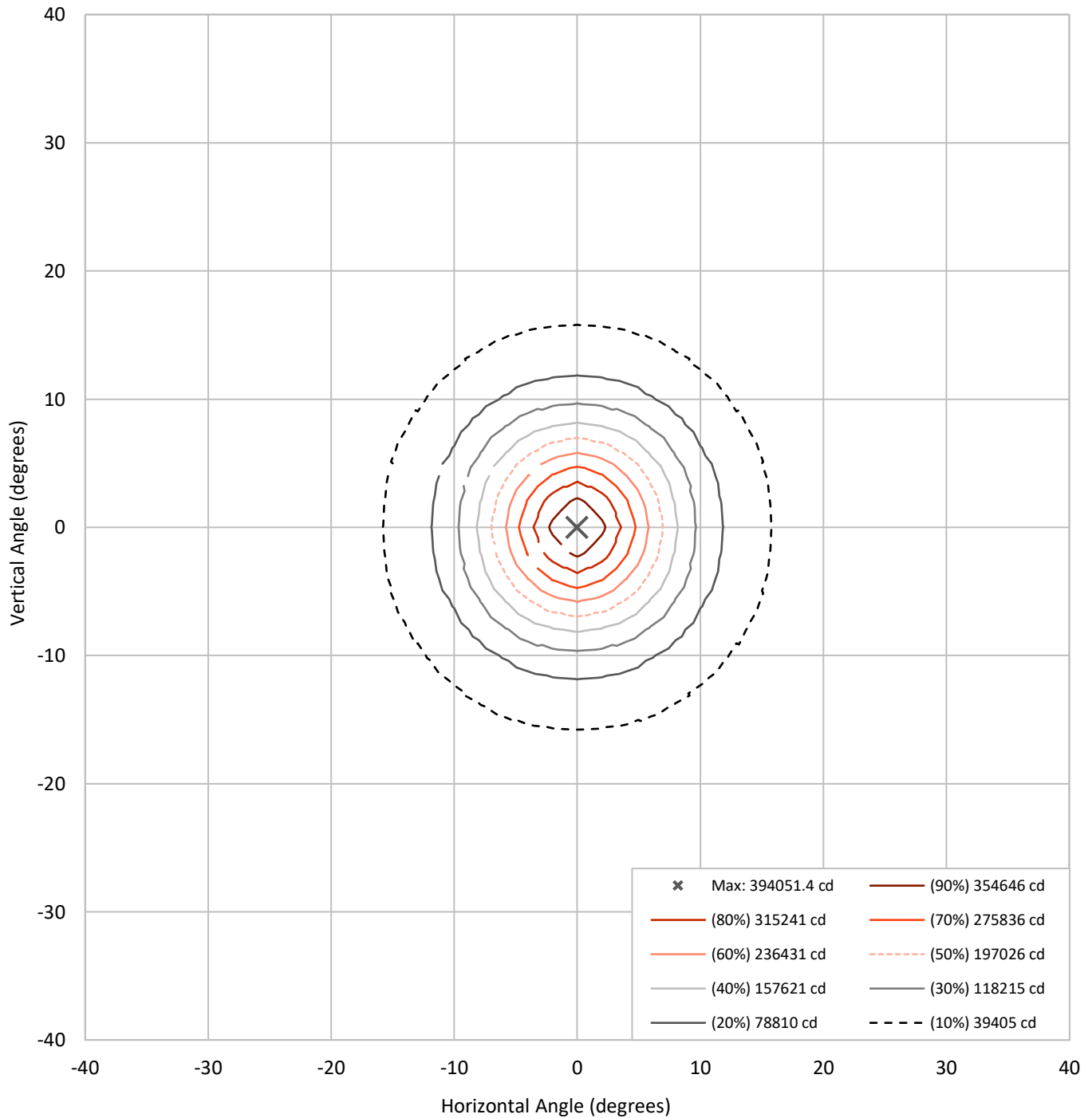
| | | | |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 13.8°H x 13.8°V | Field Angle (10%): | 31.4°H x 31.4°V |
| Beam Lumens: | 9260.2 lumens | Field Lumens: | 21561.7 lumens |
| Beam Efficiency: | 21.9% | Field Efficiency: | 50.9% |

Input Watts (W): 320
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





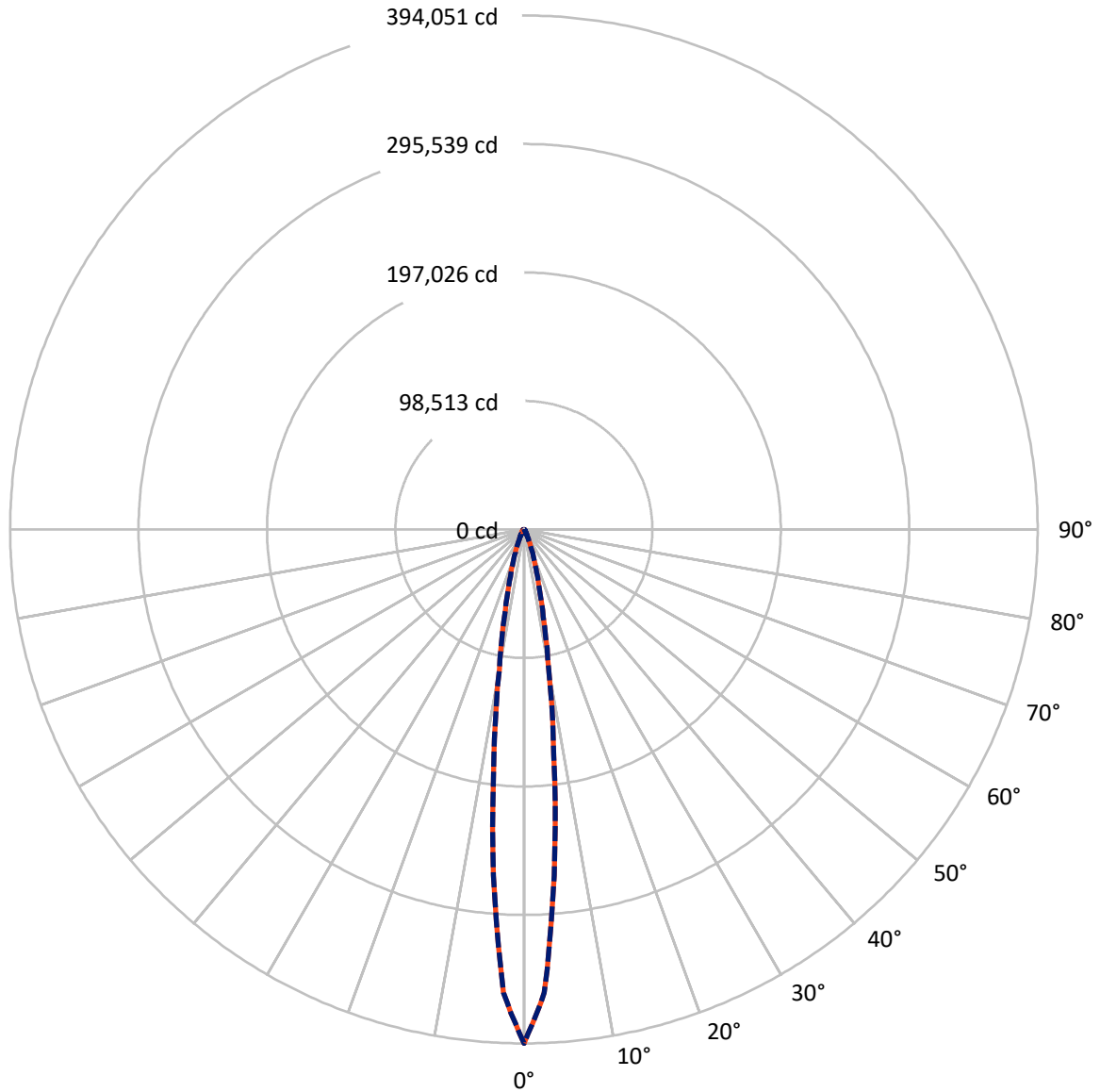
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Lumen Table

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|------|-------|--------|--------|--------|--------|-------|------|------|------|-----|-----|
| 90 | 0.7 | 5.5 | | 14.5 | | 23.7 | | 27.5 | | 23.7 | | 14.5 | | 5.5 | | 0.7 |
| 80 | 0.7 | 5.5 | | 14.5 | | 23.7 | | 27.5 | | 23.7 | | 14.5 | | 5.5 | | 0.7 |
| 70 | 2.5 | 2.8 | 5.8 | 9.7 | 13.8 | 17.4 | 20.1 | 21.6 | 21.6 | 20.1 | 17.4 | 13.8 | 9.7 | 5.8 | 2.8 | 2.5 |
| 60 | | 4.3 | 9.1 | 14.7 | 20.2 | 25.2 | 29.0 | 31.1 | 31.1 | 29.0 | 25.2 | 20.2 | 14.7 | 9.1 | 4.3 | |
| 50 | 4.5 | 5.9 | 11.9 | 18.8 | 26.0 | 33.4 | 40.4 | 44.8 | 44.8 | 40.4 | 33.4 | 26.0 | 18.8 | 11.9 | 5.9 | 4.5 |
| 40 | | 7.2 | 14.2 | 22.5 | 33.0 | 47.2 | 64.5 | 79.3 | 79.3 | 64.5 | 47.2 | 33.0 | 22.5 | 14.2 | 7.2 | |
| 30 | 6.1 | 8.2 | 16.0 | 26.2 | 42.7 | 75.4 | 154.0 | 263.5 | 263.5 | 154.0 | 75.4 | 42.7 | 26.2 | 16.0 | 8.2 | 6.1 |
| 20 | | 8.9 | 17.3 | 29.7 | 55.0 | 145.2 | 522.1 | 1296.6 | 1296.6 | 522.1 | 145.2 | 55.0 | 29.7 | 17.3 | 8.9 | |
| 10 | 6.7 | 9.3 | 18.0 | 32.0 | 65.6 | 241.9 | 1263.4 | 5547.2 | 5547.2 | 1263.4 | 241.9 | 65.6 | 32.0 | 18.0 | 9.3 | 6.7 |
| 0 | | 9.3 | 18.0 | 32.0 | 65.6 | 241.9 | 1263.4 | 5547.2 | 5547.2 | 1263.4 | 241.9 | 65.6 | 32.0 | 18.0 | 9.3 | |
| -10 | 6.1 | 8.9 | 17.3 | 29.7 | 55.0 | 145.2 | 522.1 | 1296.6 | 1296.6 | 522.1 | 145.2 | 55.0 | 29.7 | 17.3 | 8.9 | 6.1 |
| -20 | | 8.2 | 16.0 | 26.2 | 42.7 | 75.4 | 154.0 | 263.5 | 263.5 | 154.0 | 75.4 | 42.7 | 26.2 | 16.0 | 8.2 | |
| -30 | 4.5 | 7.2 | 14.2 | 22.5 | 33.0 | 47.2 | 64.5 | 79.3 | 79.3 | 64.5 | 47.2 | 33.0 | 22.5 | 14.2 | 7.2 | 4.5 |
| -40 | | 5.9 | 11.9 | 18.8 | 26.0 | 33.4 | 40.4 | 44.8 | 44.8 | 40.4 | 33.4 | 26.0 | 18.8 | 11.9 | 5.9 | |
| -50 | 2.5 | 4.3 | 9.1 | 14.7 | 20.2 | 25.2 | 29.0 | 31.1 | 31.1 | 29.0 | 25.2 | 20.2 | 14.7 | 9.1 | 4.3 | 2.5 |
| -60 | | 2.8 | 5.8 | 9.7 | 13.8 | 17.4 | 20.1 | 21.6 | 21.6 | 20.1 | 17.4 | 13.8 | 9.7 | 5.8 | 2.8 | |
| -70 | 0.7 | 5.5 | | 14.5 | | 23.7 | | 27.5 | | 23.7 | | 14.5 | | 5.5 | | 0.7 |
| -80 | | 5.5 | | 14.5 | | 23.7 | | 27.5 | | 23.7 | | 14.5 | | 5.5 | | |
| -90 | 0.7 | 5.5 | | 14.5 | | 23.7 | | 27.5 | | 23.7 | | 14.5 | | 5.5 | | 0.7 |

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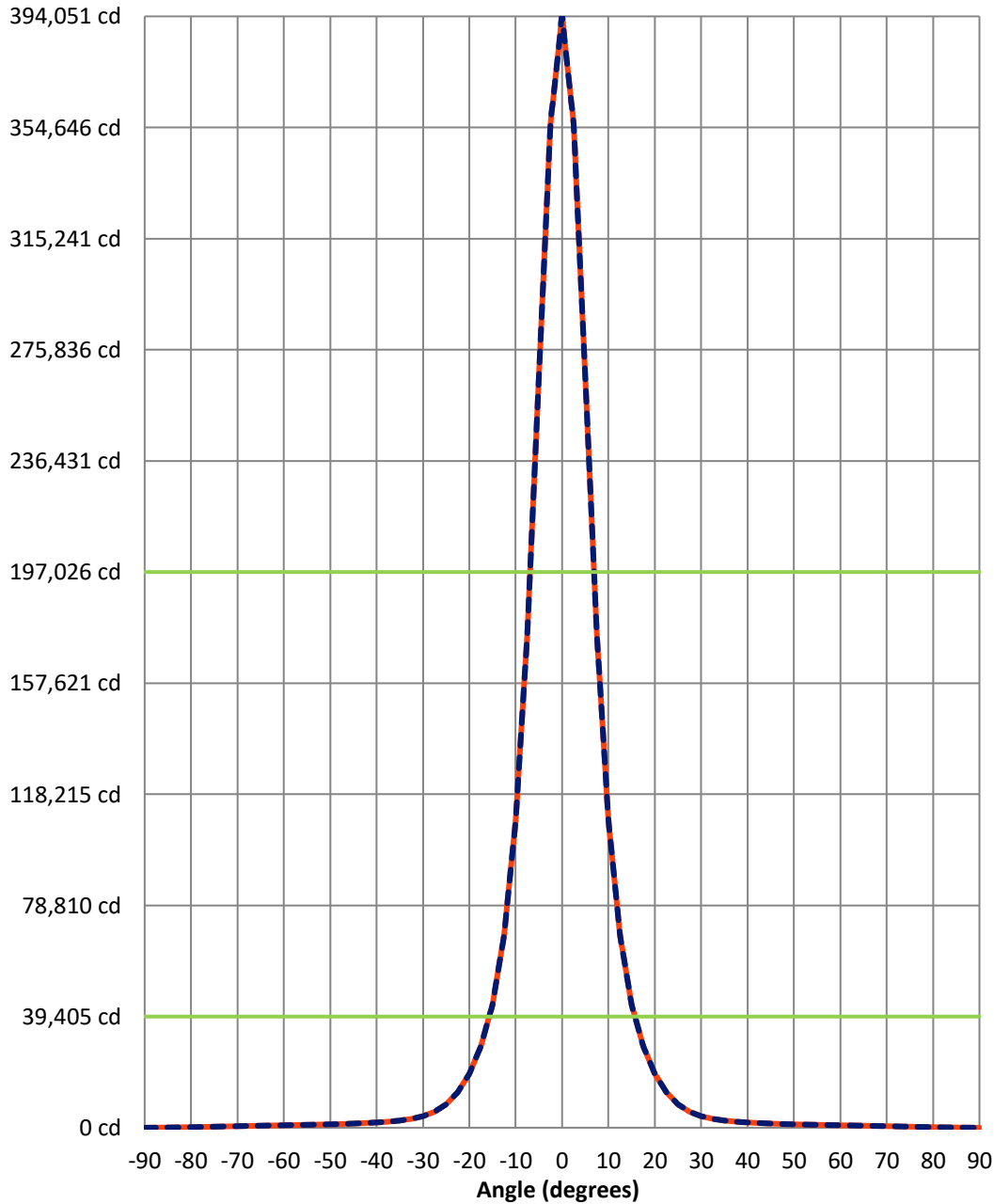
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 13.8°
V Angle: 13.8°
Lumens: 9260.2
Efficiency: 21.9%

Field:
H Angle: 31.4°
V Angle: 31.4°
Lumens: 21561.7
Efficiency: 50.9%

Spill:
Lumens: 20785.9
Efficiency: 49.1%

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



REPORT NUMBER: P623105
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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° | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 30.8 | 30.8 |
| 85° | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 74.9 | 74.9 | 74.9 | 70.5 | 70.5 |
| 82.5° | 132.2 | 132.2 | 132.2 | 132.2 | 127.8 | 127.8 | 127.8 | 123.4 | 123.4 | 119.0 | 119.0 |
| 80° | 202.7 | 202.7 | 202.7 | 202.7 | 198.3 | 193.8 | 193.8 | 189.4 | 185.0 | 180.6 | 176.2 |
| 77.5° | 277.6 | 277.6 | 277.6 | 273.1 | 273.1 | 268.7 | 264.3 | 259.9 | 255.5 | 246.7 | 242.3 |
| 75° | 365.7 | 365.7 | 365.7 | 361.3 | 356.9 | 352.4 | 348.0 | 339.2 | 334.8 | 326.0 | 317.2 |
| 72.5° | 458.2 | 458.2 | 458.2 | 453.8 | 449.4 | 440.6 | 436.2 | 427.3 | 418.5 | 405.3 | 396.5 |
| 70° | 546.3 | 546.3 | 546.3 | 541.9 | 533.1 | 528.7 | 519.9 | 511.0 | 502.2 | 489.0 | 475.8 |
| 67.5° | 634.4 | 634.4 | 634.4 | 625.6 | 621.2 | 616.8 | 608.0 | 594.8 | 585.9 | 572.7 | 555.1 |
| 65° | 718.1 | 718.1 | 713.7 | 709.3 | 704.9 | 696.1 | 687.3 | 678.5 | 665.2 | 652.0 | 634.4 |
| 62.5° | 801.8 | 801.8 | 797.4 | 793.0 | 788.6 | 779.8 | 766.6 | 757.8 | 740.1 | 726.9 | 709.3 |
| 60° | 872.3 | 872.3 | 867.9 | 863.5 | 859.1 | 850.3 | 841.5 | 828.2 | 815.0 | 801.8 | 784.2 |
| 57.5° | 947.2 | 947.2 | 942.8 | 938.4 | 929.6 | 920.8 | 912.0 | 898.7 | 881.1 | 863.5 | 850.3 |
| 55° | 1030.9 | 1030.9 | 1026.5 | 1017.7 | 1008.9 | 1000.1 | 986.8 | 969.2 | 951.6 | 934.0 | 912.0 |
| 52.5° | 1110.2 | 1110.2 | 1105.8 | 1097.0 | 1088.2 | 1079.4 | 1061.7 | 1048.5 | 1026.5 | 1004.5 | 978.0 |
| 50° | 1207.1 | 1207.1 | 1198.3 | 1189.5 | 1180.7 | 1163.1 | 1145.4 | 1123.4 | 1101.4 | 1075.0 | 1052.9 |
| 47.5° | 1317.3 | 1317.3 | 1308.5 | 1299.6 | 1282.0 | 1264.4 | 1238.0 | 1211.5 | 1185.1 | 1154.3 | 1119.0 |
| 45° | 1471.5 | 1471.5 | 1458.2 | 1440.6 | 1418.6 | 1387.8 | 1352.5 | 1317.3 | 1277.6 | 1242.4 | 1202.7 |
| 42.5° | 1660.9 | 1660.9 | 1643.3 | 1621.2 | 1590.4 | 1550.8 | 1502.3 | 1453.8 | 1401.0 | 1343.7 | 1290.8 |
| 40° | 1859.1 | 1859.1 | 1837.1 | 1815.1 | 1779.8 | 1731.4 | 1678.5 | 1616.8 | 1550.8 | 1475.9 | 1409.8 |
| 37.5° | 2132.3 | 2132.3 | 2101.5 | 2061.8 | 2008.9 | 1942.9 | 1863.6 | 1793.1 | 1718.2 | 1634.5 | 1546.4 |
| 35° | 2537.6 | 2537.6 | 2489.1 | 2423.1 | 2339.4 | 2229.2 | 2110.3 | 2008.9 | 1894.4 | 1793.1 | 1696.1 |
| 32.5° | 3136.8 | 3136.8 | 3053.1 | 2956.1 | 2815.2 | 2638.9 | 2467.1 | 2304.1 | 2132.3 | 1986.9 | 1845.9 |
| 30° | 4079.6 | 4079.6 | 3938.6 | 3762.4 | 3524.5 | 3220.5 | 2964.9 | 2700.6 | 2449.5 | 2238.0 | 2044.2 |
| 27.5° | 5647.9 | 5581.9 | 5388.0 | 5066.4 | 4625.8 | 4079.6 | 3687.5 | 3242.5 | 2890.1 | 2546.4 | 2295.3 |
| 25° | 8291.3 | 8167.9 | 7802.3 | 7198.7 | 6383.7 | 5480.5 | 4766.8 | 4009.1 | 3471.6 | 2982.6 | 2590.5 |
| 22.5° | 12586.7 | 12362.0 | 11692.4 | 10599.8 | 9123.9 | 7678.9 | 6361.6 | 5194.2 | 4233.7 | 3550.9 | 2982.6 |
| 20° | 19124.6 | 18732.5 | 17578.2 | 15710.2 | 13190.3 | 10956.6 | 8608.5 | 6877.1 | 5339.5 | 4233.7 | 3471.6 |
| 17.5° | 28949.0 | 28270.5 | 26283.6 | 23080.8 | 19124.6 | 15485.6 | 11908.2 | 9057.8 | 6877.1 | 5194.2 | 4009.1 |
| 15° | 43645.9 | 42456.4 | 38984.9 | 33464.7 | 27125.1 | 21353.8 | 16274.2 | 11908.2 | 8608.5 | 6361.6 | 4766.8 |
| 12.5° | 68321.5 | 65916.1 | 58964.1 | 48122.0 | 38015.6 | 28530.4 | 21353.8 | 15485.6 | 10956.6 | 7678.9 | 5480.5 |
| 10° | 109090.6 | 104121.1 | 90027.7 | 68696.0 | 52470.3 | 38015.6 | 27125.1 | 19124.6 | 13190.3 | 9123.9 | 6383.7 |
| 7.5° | 175174.1 | 164508.2 | 135365.4 | 99446.8 | 68696.0 | 48122.0 | 33464.7 | 23080.8 | 15710.2 | 10599.8 | 7198.7 |
| 5° | 266320.9 | 244856.9 | 190976.9 | 135365.4 | 90027.7 | 58964.1 | 38984.9 | 26283.6 | 17578.2 | 11692.4 | 7802.3 |
| 2.5° | 355683.4 | 318689.8 | 244856.9 | 164508.2 | 104121.1 | 65916.1 | 42456.4 | 28270.5 | 18732.5 | 12362.0 | 8167.9 |
| 0° | 394051.4 | 355683.4 | 266320.9 | 175174.1 | 109090.6 | 68321.5 | 43645.9 | 28949.0 | 19124.6 | 12586.7 | 8291.3 |



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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° | 30.8 | 30.8 | 30.8 | 30.8 | 26.4 | 26.4 | 26.4 | 26.4 | 22.0 | 22.0 | 22.0 |
| 85° | 70.5 | 66.1 | 66.1 | 61.7 | 61.7 | 57.3 | 57.3 | 52.9 | 52.9 | 48.5 | 44.1 |
| 82.5° | 114.5 | 110.1 | 105.7 | 101.3 | 101.3 | 96.9 | 92.5 | 83.7 | 79.3 | 74.9 | 70.5 |
| 80° | 171.8 | 163.0 | 158.6 | 149.8 | 145.4 | 136.6 | 127.8 | 123.4 | 114.5 | 110.1 | 101.3 |
| 77.5° | 233.5 | 224.7 | 220.3 | 207.1 | 198.3 | 189.4 | 180.6 | 167.4 | 158.6 | 145.4 | 132.2 |
| 75° | 304.0 | 295.2 | 282.0 | 268.7 | 259.9 | 246.7 | 233.5 | 220.3 | 202.7 | 189.4 | 176.2 |
| 72.5° | 383.3 | 370.1 | 356.9 | 339.2 | 321.6 | 308.4 | 286.4 | 268.7 | 255.5 | 237.9 | 220.3 |
| 70° | 462.6 | 449.4 | 431.7 | 414.1 | 392.1 | 374.5 | 352.4 | 330.4 | 308.4 | 286.4 | 264.3 |
| 67.5° | 541.9 | 524.3 | 506.6 | 484.6 | 462.6 | 440.6 | 418.5 | 392.1 | 365.7 | 339.2 | 312.8 |
| 65° | 616.8 | 599.2 | 577.1 | 555.1 | 533.1 | 506.6 | 480.2 | 453.8 | 422.9 | 392.1 | 365.7 |
| 62.5° | 691.7 | 669.6 | 647.6 | 625.6 | 599.2 | 572.7 | 546.3 | 511.0 | 480.2 | 449.4 | 414.1 |
| 60° | 762.2 | 740.1 | 718.1 | 691.7 | 665.2 | 634.4 | 603.6 | 572.7 | 537.5 | 502.2 | 467.0 |
| 57.5° | 828.2 | 806.2 | 784.2 | 753.4 | 726.9 | 696.1 | 660.8 | 630.0 | 590.3 | 555.1 | 515.5 |
| 55° | 889.9 | 867.9 | 841.5 | 815.0 | 788.6 | 753.4 | 718.1 | 682.9 | 643.2 | 603.6 | 559.5 |
| 52.5° | 951.6 | 925.2 | 898.7 | 872.3 | 841.5 | 810.6 | 775.4 | 735.7 | 696.1 | 652.0 | 608.0 |
| 50° | 1022.1 | 991.3 | 956.0 | 925.2 | 889.9 | 859.1 | 823.8 | 784.2 | 744.5 | 696.1 | 652.0 |
| 47.5° | 1088.2 | 1057.3 | 1022.1 | 982.4 | 947.2 | 907.5 | 867.9 | 832.7 | 788.6 | 744.5 | 696.1 |
| 45° | 1163.1 | 1119.0 | 1083.8 | 1044.1 | 1000.1 | 956.0 | 916.4 | 872.3 | 832.7 | 784.2 | 735.7 |
| 42.5° | 1242.4 | 1193.9 | 1145.4 | 1097.0 | 1057.3 | 1008.9 | 960.4 | 916.4 | 867.9 | 823.8 | 775.4 |
| 40° | 1334.9 | 1277.6 | 1215.9 | 1163.1 | 1110.2 | 1061.7 | 1008.9 | 956.0 | 907.5 | 859.1 | 810.6 |
| 37.5° | 1453.8 | 1374.5 | 1295.2 | 1229.2 | 1167.5 | 1110.2 | 1057.3 | 1000.1 | 947.2 | 889.9 | 841.5 |
| 35° | 1594.8 | 1484.7 | 1392.2 | 1299.6 | 1229.2 | 1163.1 | 1097.0 | 1044.1 | 982.4 | 925.2 | 872.3 |
| 32.5° | 1735.8 | 1616.8 | 1497.9 | 1392.2 | 1295.2 | 1215.9 | 1145.4 | 1083.8 | 1022.1 | 956.0 | 898.7 |
| 30° | 1881.2 | 1749.0 | 1616.8 | 1484.7 | 1374.5 | 1277.6 | 1193.9 | 1119.0 | 1057.3 | 991.3 | 925.2 |
| 27.5° | 2066.2 | 1881.2 | 1735.8 | 1594.8 | 1453.8 | 1334.9 | 1242.4 | 1163.1 | 1088.2 | 1022.1 | 951.6 |
| 25° | 2295.3 | 2044.2 | 1845.9 | 1696.1 | 1546.4 | 1409.8 | 1290.8 | 1202.7 | 1119.0 | 1052.9 | 978.0 |
| 22.5° | 2546.4 | 2238.0 | 1986.9 | 1793.1 | 1634.5 | 1475.9 | 1343.7 | 1242.4 | 1154.3 | 1075.0 | 1004.5 |
| 20° | 2890.1 | 2449.5 | 2132.3 | 1894.4 | 1718.2 | 1550.8 | 1401.0 | 1277.6 | 1185.1 | 1101.4 | 1026.5 |
| 17.5° | 3242.5 | 2700.6 | 2304.1 | 2008.9 | 1793.1 | 1616.8 | 1453.8 | 1317.3 | 1211.5 | 1123.4 | 1048.5 |
| 15° | 3687.5 | 2964.9 | 2467.1 | 2110.3 | 1863.6 | 1678.5 | 1502.3 | 1352.5 | 1238.0 | 1145.4 | 1061.7 |
| 12.5° | 4079.6 | 3220.5 | 2638.9 | 2229.2 | 1942.9 | 1731.4 | 1550.8 | 1387.8 | 1264.4 | 1163.1 | 1079.4 |
| 10° | 4625.8 | 3524.5 | 2815.2 | 2339.4 | 2008.9 | 1779.8 | 1590.4 | 1418.6 | 1282.0 | 1180.7 | 1088.2 |
| 7.5° | 5066.4 | 3762.4 | 2956.1 | 2423.1 | 2061.8 | 1815.1 | 1621.2 | 1440.6 | 1299.6 | 1189.5 | 1097.0 |
| 5° | 5388.0 | 3938.6 | 3053.1 | 2489.1 | 2101.5 | 1837.1 | 1643.3 | 1458.2 | 1308.5 | 1198.3 | 1105.8 |
| 2.5° | 5581.9 | 4079.6 | 3136.8 | 2537.6 | 2132.3 | 1859.1 | 1660.9 | 1471.5 | 1317.3 | 1207.1 | 1110.2 |
| 0° | 5647.9 | 4079.6 | 3136.8 | 2537.6 | 2132.3 | 1859.1 | 1660.9 | 1471.5 | 1317.3 | 1207.1 | 1110.2 |



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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° | 22.0 | 17.6 | 17.6 | 17.6 | 13.2 | 13.2 | 13.2 | 8.8 | 8.8 | 8.8 | 4.4 |
| 85° | 39.7 | 39.7 | 35.2 | 30.8 | 30.8 | 26.4 | 22.0 | 22.0 | 17.6 | 13.2 | 13.2 |
| 82.5° | 66.1 | 61.7 | 57.3 | 52.9 | 48.5 | 39.7 | 35.2 | 30.8 | 26.4 | 22.0 | 17.6 |
| 80° | 92.5 | 88.1 | 79.3 | 70.5 | 66.1 | 57.3 | 52.9 | 44.1 | 35.2 | 30.8 | 26.4 |
| 77.5° | 123.4 | 114.5 | 105.7 | 96.9 | 83.7 | 74.9 | 66.1 | 57.3 | 48.5 | 39.7 | 30.8 |
| 75° | 163.0 | 145.4 | 132.2 | 119.0 | 105.7 | 92.5 | 79.3 | 70.5 | 57.3 | 48.5 | 35.2 |
| 72.5° | 202.7 | 185.0 | 163.0 | 145.4 | 127.8 | 114.5 | 96.9 | 83.7 | 70.5 | 57.3 | 44.1 |
| 70° | 242.3 | 220.3 | 198.3 | 176.2 | 154.2 | 132.2 | 114.5 | 96.9 | 79.3 | 66.1 | 52.9 |
| 67.5° | 282.0 | 259.9 | 233.5 | 207.1 | 185.0 | 158.6 | 132.2 | 114.5 | 92.5 | 74.9 | 57.3 |
| 65° | 330.4 | 299.6 | 268.7 | 242.3 | 211.5 | 185.0 | 154.2 | 127.8 | 105.7 | 83.7 | 66.1 |
| 62.5° | 378.9 | 343.6 | 308.4 | 273.1 | 242.3 | 207.1 | 176.2 | 145.4 | 119.0 | 96.9 | 70.5 |
| 60° | 427.3 | 387.7 | 348.0 | 308.4 | 268.7 | 233.5 | 198.3 | 163.0 | 132.2 | 105.7 | 79.3 |
| 57.5° | 475.8 | 431.7 | 387.7 | 343.6 | 299.6 | 259.9 | 220.3 | 185.0 | 145.4 | 114.5 | 88.1 |
| 55° | 519.9 | 475.8 | 427.3 | 378.9 | 330.4 | 282.0 | 242.3 | 202.7 | 163.0 | 123.4 | 92.5 |
| 52.5° | 559.5 | 515.5 | 467.0 | 414.1 | 365.7 | 312.8 | 264.3 | 220.3 | 176.2 | 132.2 | 101.3 |
| 50° | 603.6 | 555.1 | 502.2 | 449.4 | 392.1 | 339.2 | 286.4 | 237.9 | 189.4 | 145.4 | 110.1 |
| 47.5° | 643.2 | 590.3 | 537.5 | 480.2 | 422.9 | 365.7 | 308.4 | 255.5 | 202.7 | 158.6 | 114.5 |
| 45° | 682.9 | 630.0 | 572.7 | 511.0 | 453.8 | 392.1 | 330.4 | 268.7 | 220.3 | 167.4 | 123.4 |
| 42.5° | 718.1 | 660.8 | 603.6 | 546.3 | 480.2 | 418.5 | 352.4 | 286.4 | 233.5 | 180.6 | 127.8 |
| 40° | 753.4 | 696.1 | 634.4 | 572.7 | 506.6 | 440.6 | 374.5 | 308.4 | 246.7 | 189.4 | 136.6 |
| 37.5° | 788.6 | 726.9 | 665.2 | 599.2 | 533.1 | 462.6 | 392.1 | 321.6 | 259.9 | 198.3 | 145.4 |
| 35° | 815.0 | 753.4 | 691.7 | 625.6 | 555.1 | 484.6 | 414.1 | 339.2 | 268.7 | 207.1 | 149.8 |
| 32.5° | 841.5 | 784.2 | 718.1 | 647.6 | 577.1 | 506.6 | 431.7 | 356.9 | 282.0 | 220.3 | 158.6 |
| 30° | 867.9 | 806.2 | 740.1 | 669.6 | 599.2 | 524.3 | 449.4 | 370.1 | 295.2 | 224.7 | 163.0 |
| 27.5° | 889.9 | 828.2 | 762.2 | 691.7 | 616.8 | 541.9 | 462.6 | 383.3 | 304.0 | 233.5 | 171.8 |
| 25° | 912.0 | 850.3 | 784.2 | 709.3 | 634.4 | 555.1 | 475.8 | 396.5 | 317.2 | 242.3 | 176.2 |
| 22.5° | 934.0 | 863.5 | 801.8 | 726.9 | 652.0 | 572.7 | 489.0 | 405.3 | 326.0 | 246.7 | 180.6 |
| 20° | 951.6 | 881.1 | 815.0 | 740.1 | 665.2 | 585.9 | 502.2 | 418.5 | 334.8 | 255.5 | 185.0 |
| 17.5° | 969.2 | 898.7 | 828.2 | 757.8 | 678.5 | 594.8 | 511.0 | 427.3 | 339.2 | 259.9 | 189.4 |
| 15° | 986.8 | 912.0 | 841.5 | 766.6 | 687.3 | 608.0 | 519.9 | 436.2 | 348.0 | 264.3 | 193.8 |
| 12.5° | 1000.1 | 920.8 | 850.3 | 779.8 | 696.1 | 616.8 | 528.7 | 440.6 | 352.4 | 268.7 | 193.8 |
| 10° | 1008.9 | 929.6 | 859.1 | 788.6 | 704.9 | 621.2 | 533.1 | 449.4 | 356.9 | 273.1 | 198.3 |
| 7.5° | 1017.7 | 938.4 | 863.5 | 793.0 | 709.3 | 625.6 | 541.9 | 453.8 | 361.3 | 273.1 | 202.7 |
| 5° | 1026.5 | 942.8 | 867.9 | 797.4 | 713.7 | 634.4 | 546.3 | 458.2 | 365.7 | 277.6 | 202.7 |
| 2.5° | 1030.9 | 947.2 | 872.3 | 801.8 | 718.1 | 634.4 | 546.3 | 458.2 | 365.7 | 277.6 | 202.7 |
| 0° | 1030.9 | 947.2 | 872.3 | 801.8 | 718.1 | 634.4 | 546.3 | 458.2 | 365.7 | 277.6 | 202.7 |



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| 27.5° | 114.5 | 70.5 | 30.8 | 0.0 |
| 25° | 119.0 | 70.5 | 30.8 | 0.0 |
| 22.5° | 119.0 | 70.5 | 30.8 | 0.0 |
| 20° | 123.4 | 74.9 | 35.2 | 0.0 |
| 17.5° | 123.4 | 74.9 | 35.2 | 0.0 |
| 15° | 127.8 | 74.9 | 35.2 | 0.0 |
| 12.5° | 127.8 | 79.3 | 35.2 | 0.0 |
| 10° | 127.8 | 79.3 | 35.2 | 0.0 |
| 7.5° | 132.2 | 79.3 | 35.2 | 0.0 |
| 5° | 132.2 | 79.3 | 35.2 | 0.0 |
| 2.5° | 132.2 | 79.3 | 35.2 | 0.0 |
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(END OF REPORT)