

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: P622972

Luminaire Tested: **IFLD-S-SA3E-722-U-33**

Issue Date: 10/13/2022

Test Information

Test Method: LM-79-2019
Report Number: P622972
Test Lab: INNOVATION CENTER(G2)
Issue Date: 10/13/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-722-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

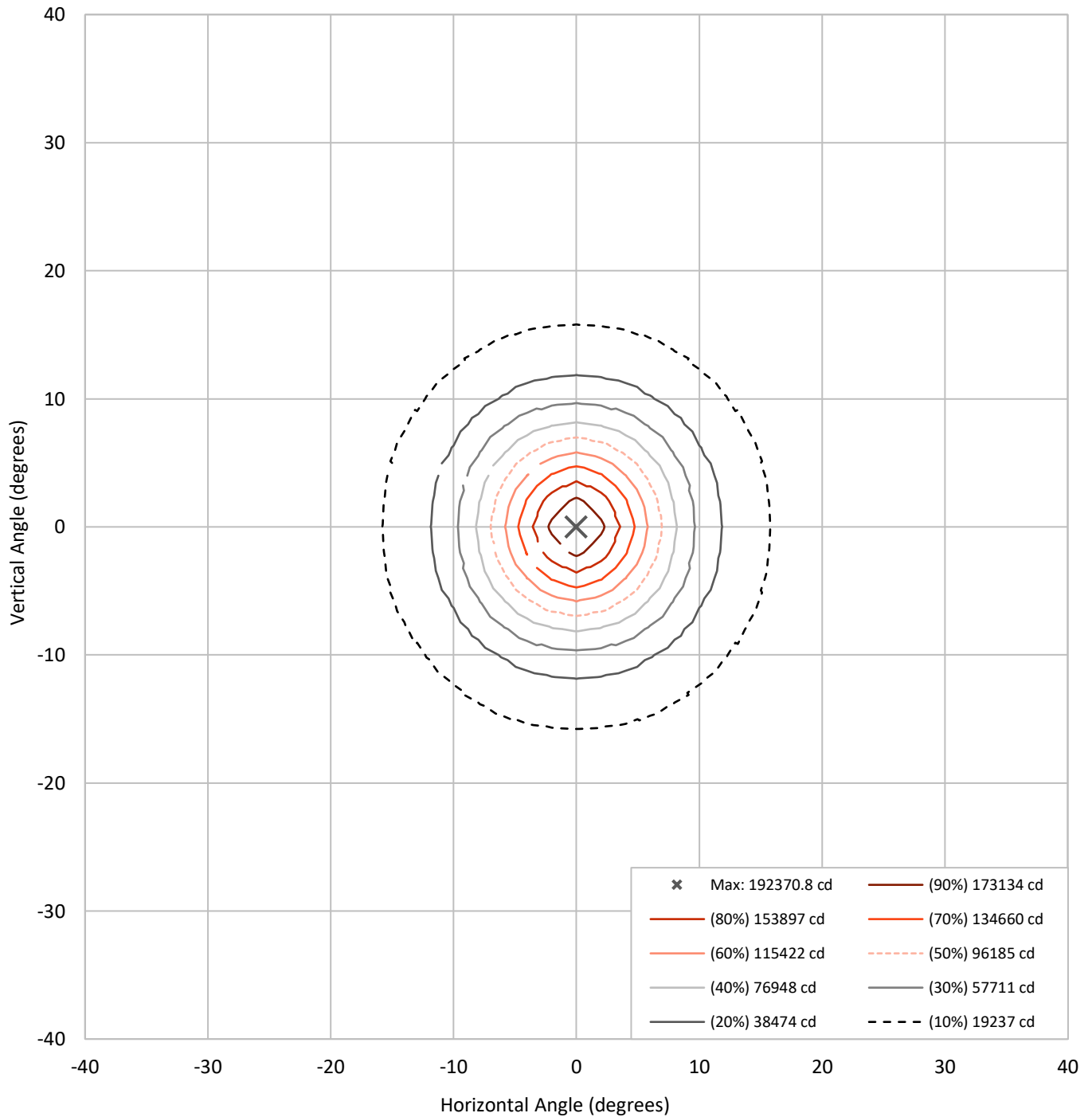
| | | | |
|-------------------|--|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 20673.6 lumens | Max Intensity: | 192370.8 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 89.1 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' 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: | 4520.7 lumens | Field Lumens: | 10526.2 lumens |
| Beam Efficiency: | 21.9% | Field Efficiency: | 50.9% |

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





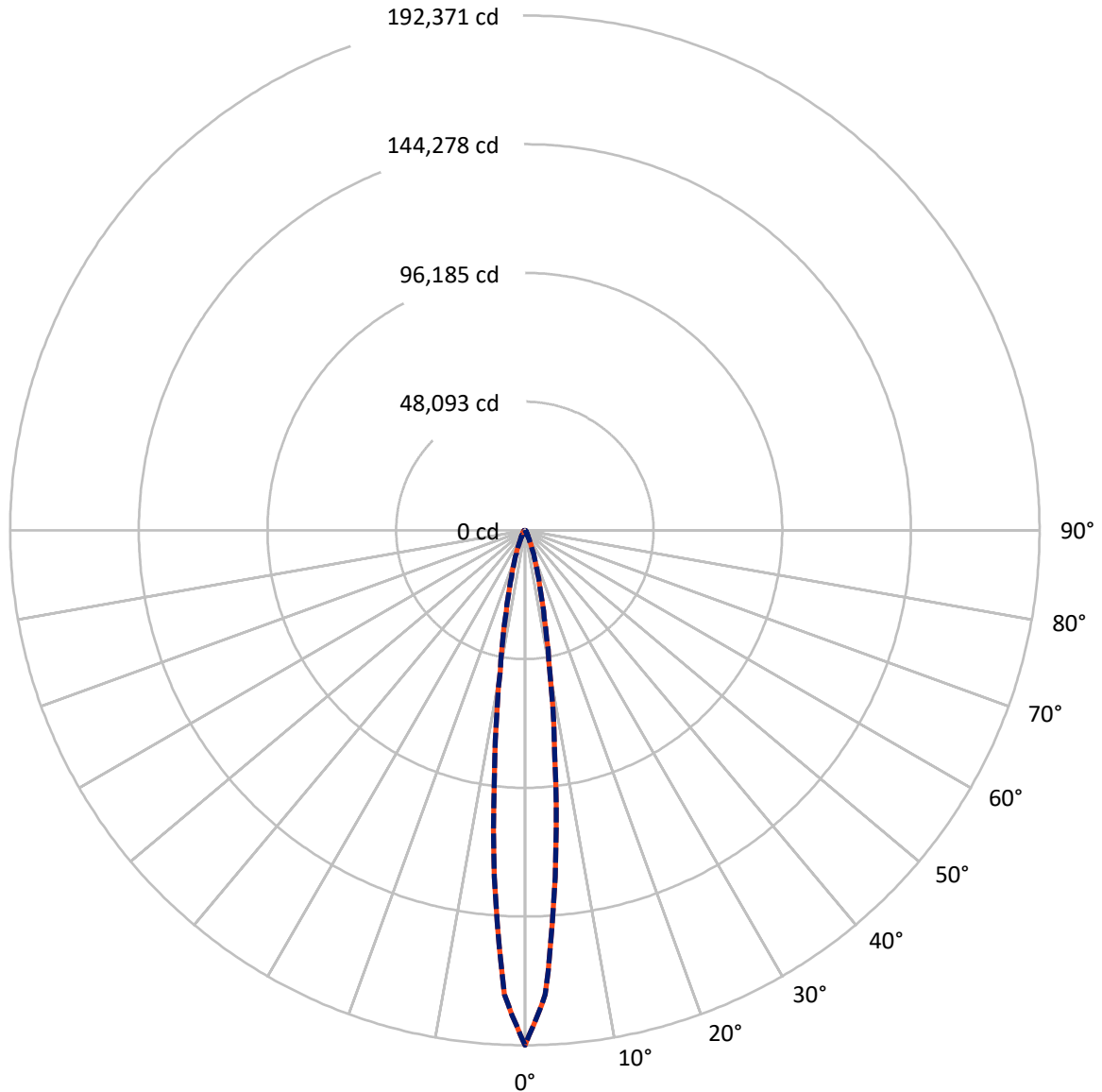
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Lumen Table

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|------|------|-------|-------|--------|--------|-------|-------|------|------|-----|-----|-----|
| 90 | 0.3 | 2.7 | | 7.1 | | 11.6 | | 13.4 | | 11.6 | | 7.1 | | 2.7 | | 0.3 |
| 80 | 0.3 | 2.7 | | 7.1 | | 11.6 | | 13.4 | | 11.6 | | 7.1 | | 2.7 | | 0.3 |
| 70 | 1.2 | 1.4 | 2.9 | 4.8 | 6.7 | 8.5 | 9.8 | 10.5 | 10.5 | 9.8 | 8.5 | 6.7 | 4.8 | 2.9 | 1.4 | 1.2 |
| 60 | | 2.1 | 4.4 | 7.2 | 9.9 | 12.3 | 14.2 | 15.2 | 15.2 | 14.2 | 12.3 | 9.9 | 7.2 | 4.4 | 2.1 | |
| 50 | 2.2 | 2.9 | 5.8 | 9.2 | 12.7 | 16.3 | 19.7 | 21.9 | 21.9 | 19.7 | 16.3 | 12.7 | 9.2 | 5.8 | 2.9 | 2.2 |
| 40 | | 3.5 | 7.0 | 11.0 | 16.1 | 23.0 | 31.5 | 38.7 | 38.7 | 31.5 | 23.0 | 16.1 | 11.0 | 7.0 | 3.5 | |
| 30 | 3.0 | 4.0 | 7.8 | 12.8 | 20.9 | 36.8 | 75.2 | 128.6 | 128.6 | 75.2 | 36.8 | 20.9 | 12.8 | 7.8 | 4.0 | 3.0 |
| 20 | | 4.4 | 8.5 | 14.5 | 26.8 | 70.9 | 254.9 | 633.0 | 633.0 | 254.9 | 70.9 | 26.8 | 14.5 | 8.5 | 4.4 | |
| 10 | 3.3 | 4.5 | 8.8 | 15.6 | 32.0 | 118.1 | 616.8 | 2708.1 | 2708.1 | 616.8 | 118.1 | 32.0 | 15.6 | 8.8 | 4.5 | 3.3 |
| 0 | | 4.5 | 8.8 | 15.6 | 32.0 | 118.1 | 616.8 | 2708.1 | 2708.1 | 616.8 | 118.1 | 32.0 | 15.6 | 8.8 | 4.5 | |
| -10 | 3.0 | 4.4 | 8.5 | 14.5 | 26.8 | 70.9 | 254.9 | 633.0 | 633.0 | 254.9 | 70.9 | 26.8 | 14.5 | 8.5 | 4.4 | 3.0 |
| -20 | | 4.0 | 7.8 | 12.8 | 20.9 | 36.8 | 75.2 | 128.6 | 128.6 | 75.2 | 36.8 | 20.9 | 12.8 | 7.8 | 4.0 | |
| -30 | 2.2 | 3.5 | 7.0 | 11.0 | 16.1 | 23.0 | 31.5 | 38.7 | 38.7 | 31.5 | 23.0 | 16.1 | 11.0 | 7.0 | 3.5 | 2.2 |
| -40 | | 2.9 | 5.8 | 9.2 | 12.7 | 16.3 | 19.7 | 21.9 | 21.9 | 19.7 | 16.3 | 12.7 | 9.2 | 5.8 | 2.9 | |
| -50 | 1.2 | 2.1 | 4.4 | 7.2 | 9.9 | 12.3 | 14.2 | 15.2 | 15.2 | 14.2 | 12.3 | 9.9 | 7.2 | 4.4 | 2.1 | 1.2 |
| -60 | | 1.4 | 2.9 | 4.8 | 6.7 | 8.5 | 9.8 | 10.5 | 10.5 | 9.8 | 8.5 | 6.7 | 4.8 | 2.9 | 1.4 | |
| -70 | 0.3 | 2.7 | | 7.1 | | 11.6 | | 13.4 | | 11.6 | | 7.1 | | 2.7 | | 0.3 |
| -80 | | 2.7 | | 7.1 | | 11.6 | | 13.4 | | 11.6 | | 7.1 | | 2.7 | | |
| -90 | 0.3 | 2.7 | | 7.1 | | 11.6 | | 13.4 | | 11.6 | | 7.1 | | 2.7 | | 0.3 |

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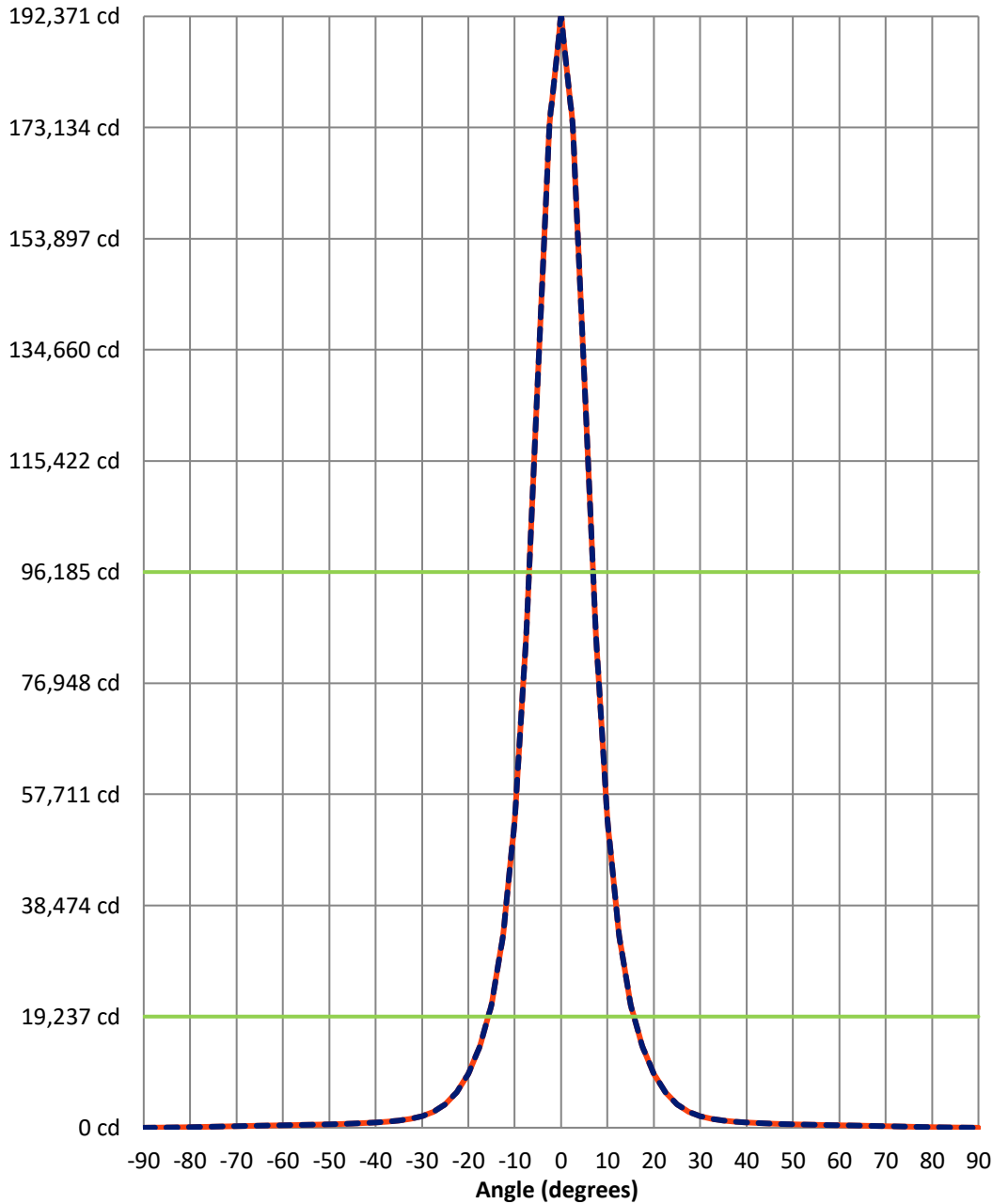
Luminous Intensity Polar Plot



— 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: 4520.7
 Efficiency: 21.9%

Field:
 H Angle: 31.4°
 V Angle: 31.4°
 Lumens: 10526.2
 Efficiency: 50.9%

Spill:
 Lumens: 10147.4
 Efficiency: 49.1%

— 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° | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 15.1 | 15.1 |
| 85° | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 36.6 | 36.6 | 36.6 | 34.4 | 34.4 |
| 82.5° | 64.5 | 64.5 | 64.5 | 64.5 | 62.4 | 62.4 | 62.4 | 60.2 | 60.2 | 58.1 | 58.1 |
| 80° | 98.9 | 98.9 | 98.9 | 98.9 | 96.8 | 94.6 | 94.6 | 92.5 | 90.3 | 88.2 | 86.0 |
| 77.5° | 135.5 | 135.5 | 135.5 | 133.3 | 133.3 | 131.2 | 129.0 | 126.9 | 124.7 | 120.4 | 118.3 |
| 75° | 178.5 | 178.5 | 178.5 | 176.4 | 174.2 | 172.1 | 169.9 | 165.6 | 163.5 | 159.2 | 154.9 |
| 72.5° | 223.7 | 223.7 | 223.7 | 221.5 | 219.4 | 215.1 | 212.9 | 208.6 | 204.3 | 197.9 | 193.6 |
| 70° | 266.7 | 266.7 | 266.7 | 264.5 | 260.2 | 258.1 | 253.8 | 249.5 | 245.2 | 238.7 | 232.3 |
| 67.5° | 309.7 | 309.7 | 309.7 | 305.4 | 303.3 | 301.1 | 296.8 | 290.3 | 286.0 | 279.6 | 271.0 |
| 65° | 350.6 | 350.6 | 348.4 | 346.3 | 344.1 | 339.8 | 335.5 | 331.2 | 324.8 | 318.3 | 309.7 |
| 62.5° | 391.4 | 391.4 | 389.3 | 387.1 | 385.0 | 380.7 | 374.2 | 369.9 | 361.3 | 354.9 | 346.3 |
| 60° | 425.8 | 425.8 | 423.7 | 421.5 | 419.4 | 415.1 | 410.8 | 404.3 | 397.9 | 391.4 | 382.8 |
| 57.5° | 462.4 | 462.4 | 460.3 | 458.1 | 453.8 | 449.5 | 445.2 | 438.8 | 430.1 | 421.5 | 415.1 |
| 55° | 503.3 | 503.3 | 501.1 | 496.8 | 492.5 | 488.2 | 481.8 | 473.2 | 464.6 | 456.0 | 445.2 |
| 52.5° | 542.0 | 542.0 | 539.8 | 535.5 | 531.2 | 526.9 | 518.3 | 511.9 | 501.1 | 490.4 | 477.5 |
| 50° | 589.3 | 589.3 | 585.0 | 580.7 | 576.4 | 567.8 | 559.2 | 548.4 | 537.7 | 524.8 | 514.0 |
| 47.5° | 643.1 | 643.1 | 638.8 | 634.5 | 625.9 | 617.3 | 604.4 | 591.5 | 578.5 | 563.5 | 546.3 |
| 45° | 718.3 | 718.3 | 711.9 | 703.3 | 692.5 | 677.5 | 660.3 | 643.1 | 623.7 | 606.5 | 587.2 |
| 42.5° | 810.8 | 810.8 | 802.2 | 791.5 | 776.4 | 757.1 | 733.4 | 709.7 | 683.9 | 656.0 | 630.2 |
| 40° | 907.6 | 907.6 | 896.9 | 886.1 | 868.9 | 845.2 | 819.4 | 789.3 | 757.1 | 720.5 | 688.2 |
| 37.5° | 1041.0 | 1041.0 | 1025.9 | 1006.5 | 980.7 | 948.5 | 909.8 | 875.4 | 838.8 | 797.9 | 754.9 |
| 35° | 1238.8 | 1238.8 | 1215.2 | 1182.9 | 1142.0 | 1088.3 | 1030.2 | 980.7 | 924.8 | 875.4 | 828.0 |
| 32.5° | 1531.3 | 1531.3 | 1490.5 | 1443.1 | 1374.3 | 1288.3 | 1204.4 | 1124.8 | 1041.0 | 970.0 | 901.2 |
| 30° | 1991.6 | 1991.6 | 1922.8 | 1836.7 | 1720.6 | 1572.2 | 1447.4 | 1318.4 | 1195.8 | 1092.6 | 997.9 |
| 27.5° | 2757.2 | 2725.0 | 2630.4 | 2473.4 | 2258.3 | 1991.6 | 1800.2 | 1582.9 | 1410.9 | 1243.1 | 1120.5 |
| 25° | 4047.7 | 3987.5 | 3809.0 | 3514.3 | 3116.4 | 2675.5 | 2327.1 | 1957.2 | 1694.8 | 1456.1 | 1264.6 |
| 22.5° | 6144.7 | 6035.0 | 5708.1 | 5174.7 | 4454.2 | 3748.7 | 3105.7 | 2535.7 | 2066.9 | 1733.5 | 1456.1 |
| 20° | 9336.4 | 9144.9 | 8581.5 | 7669.5 | 6439.3 | 5348.9 | 4202.5 | 3357.3 | 2606.7 | 2066.9 | 1694.8 |
| 17.5° | 14132.5 | 13801.3 | 12831.3 | 11267.7 | 9336.4 | 7559.9 | 5813.4 | 4421.9 | 3357.3 | 2535.7 | 1957.2 |
| 15° | 21307.4 | 20726.7 | 19031.9 | 16337.0 | 13242.1 | 10424.6 | 7944.8 | 5813.4 | 4202.5 | 3105.7 | 2327.1 |
| 12.5° | 33353.7 | 32179.4 | 28785.5 | 23492.5 | 18558.7 | 13928.2 | 10424.6 | 7559.9 | 5348.9 | 3748.7 | 2675.5 |
| 10° | 53256.6 | 50830.6 | 43950.4 | 33536.5 | 25615.3 | 18558.7 | 13242.1 | 9336.4 | 6439.3 | 4454.2 | 3116.4 |
| 7.5° | 85517.7 | 80310.8 | 66083.6 | 48548.7 | 33536.5 | 23492.5 | 16337.0 | 11267.7 | 7669.5 | 5174.7 | 3514.3 |
| 5° | 130014.4 | 119536.0 | 93232.4 | 66083.6 | 43950.4 | 28785.5 | 19031.9 | 12831.3 | 8581.5 | 5708.1 | 3809.0 |
| 2.5° | 173640.0 | 155580.2 | 119536.0 | 80310.8 | 50830.6 | 32179.4 | 20726.7 | 13801.3 | 9144.9 | 6035.0 | 3987.5 |
| 0° | 192370.8 | 173640.0 | 130014.4 | 85517.7 | 53256.6 | 33353.7 | 21307.4 | 14132.5 | 9336.4 | 6144.7 | 4047.7 |



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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° | 15.1 | 15.1 | 15.1 | 15.1 | 12.9 | 12.9 | 12.9 | 12.9 | 10.8 | 10.8 | 10.8 |
| 85° | 34.4 | 32.3 | 32.3 | 30.1 | 30.1 | 28.0 | 28.0 | 25.8 | 25.8 | 23.7 | 21.5 |
| 82.5° | 55.9 | 53.8 | 51.6 | 49.5 | 49.5 | 47.3 | 45.2 | 40.9 | 38.7 | 36.6 | 34.4 |
| 80° | 83.9 | 79.6 | 77.4 | 73.1 | 71.0 | 66.7 | 62.4 | 60.2 | 55.9 | 53.8 | 49.5 |
| 77.5° | 114.0 | 109.7 | 107.5 | 101.1 | 96.8 | 92.5 | 88.2 | 81.7 | 77.4 | 71.0 | 64.5 |
| 75° | 148.4 | 144.1 | 137.6 | 131.2 | 126.9 | 120.4 | 114.0 | 107.5 | 98.9 | 92.5 | 86.0 |
| 72.5° | 187.1 | 180.7 | 174.2 | 165.6 | 157.0 | 150.6 | 139.8 | 131.2 | 124.7 | 116.1 | 107.5 |
| 70° | 225.8 | 219.4 | 210.8 | 202.2 | 191.4 | 182.8 | 172.1 | 161.3 | 150.6 | 139.8 | 129.0 |
| 67.5° | 264.5 | 255.9 | 247.3 | 236.6 | 225.8 | 215.1 | 204.3 | 191.4 | 178.5 | 165.6 | 152.7 |
| 65° | 301.1 | 292.5 | 281.7 | 271.0 | 260.2 | 247.3 | 234.4 | 221.5 | 206.5 | 191.4 | 178.5 |
| 62.5° | 337.7 | 326.9 | 316.2 | 305.4 | 292.5 | 279.6 | 266.7 | 249.5 | 234.4 | 219.4 | 202.2 |
| 60° | 372.1 | 361.3 | 350.6 | 337.7 | 324.8 | 309.7 | 294.7 | 279.6 | 262.4 | 245.2 | 228.0 |
| 57.5° | 404.3 | 393.6 | 382.8 | 367.8 | 354.9 | 339.8 | 322.6 | 307.6 | 288.2 | 271.0 | 251.6 |
| 55° | 434.4 | 423.7 | 410.8 | 397.9 | 385.0 | 367.8 | 350.6 | 333.4 | 314.0 | 294.7 | 273.1 |
| 52.5° | 464.6 | 451.7 | 438.8 | 425.8 | 410.8 | 395.7 | 378.5 | 359.2 | 339.8 | 318.3 | 296.8 |
| 50° | 499.0 | 483.9 | 466.7 | 451.7 | 434.4 | 419.4 | 402.2 | 382.8 | 363.5 | 339.8 | 318.3 |
| 47.5° | 531.2 | 516.2 | 499.0 | 479.6 | 462.4 | 443.1 | 423.7 | 406.5 | 385.0 | 363.5 | 339.8 |
| 45° | 567.8 | 546.3 | 529.1 | 509.7 | 488.2 | 466.7 | 447.4 | 425.8 | 406.5 | 382.8 | 359.2 |
| 42.5° | 606.5 | 582.9 | 559.2 | 535.5 | 516.2 | 492.5 | 468.9 | 447.4 | 423.7 | 402.2 | 378.5 |
| 40° | 651.7 | 623.7 | 593.6 | 567.8 | 542.0 | 518.3 | 492.5 | 466.7 | 443.1 | 419.4 | 395.7 |
| 37.5° | 709.7 | 671.0 | 632.3 | 600.1 | 569.9 | 542.0 | 516.2 | 488.2 | 462.4 | 434.4 | 410.8 |
| 35° | 778.6 | 724.8 | 679.6 | 634.5 | 600.1 | 567.8 | 535.5 | 509.7 | 479.6 | 451.7 | 425.8 |
| 32.5° | 847.4 | 789.3 | 731.3 | 679.6 | 632.3 | 593.6 | 559.2 | 529.1 | 499.0 | 466.7 | 438.8 |
| 30° | 918.4 | 853.8 | 789.3 | 724.8 | 671.0 | 623.7 | 582.9 | 546.3 | 516.2 | 483.9 | 451.7 |
| 27.5° | 1008.7 | 918.4 | 847.4 | 778.6 | 709.7 | 651.7 | 606.5 | 567.8 | 531.2 | 499.0 | 464.6 |
| 25° | 1120.5 | 997.9 | 901.2 | 828.0 | 754.9 | 688.2 | 630.2 | 587.2 | 546.3 | 514.0 | 477.5 |
| 22.5° | 1243.1 | 1092.6 | 970.0 | 875.4 | 797.9 | 720.5 | 656.0 | 606.5 | 563.5 | 524.8 | 490.4 |
| 20° | 1410.9 | 1195.8 | 1041.0 | 924.8 | 838.8 | 757.1 | 683.9 | 623.7 | 578.5 | 537.7 | 501.1 |
| 17.5° | 1582.9 | 1318.4 | 1124.8 | 980.7 | 875.4 | 789.3 | 709.7 | 643.1 | 591.5 | 548.4 | 511.9 |
| 15° | 1800.2 | 1447.4 | 1204.4 | 1030.2 | 909.8 | 819.4 | 733.4 | 660.3 | 604.4 | 559.2 | 518.3 |
| 12.5° | 1991.6 | 1572.2 | 1288.3 | 1088.3 | 948.5 | 845.2 | 757.1 | 677.5 | 617.3 | 567.8 | 526.9 |
| 10° | 2258.3 | 1720.6 | 1374.3 | 1142.0 | 980.7 | 868.9 | 776.4 | 692.5 | 625.9 | 576.4 | 531.2 |
| 7.5° | 2473.4 | 1836.7 | 1443.1 | 1182.9 | 1006.5 | 886.1 | 791.5 | 703.3 | 634.5 | 580.7 | 535.5 |
| 5° | 2630.4 | 1922.8 | 1490.5 | 1215.2 | 1025.9 | 896.9 | 802.2 | 711.9 | 638.8 | 585.0 | 539.8 |
| 2.5° | 2725.0 | 1991.6 | 1531.3 | 1238.8 | 1041.0 | 907.6 | 810.8 | 718.3 | 643.1 | 589.3 | 542.0 |
| 0° | 2757.2 | 1991.6 | 1531.3 | 1238.8 | 1041.0 | 907.6 | 810.8 | 718.3 | 643.1 | 589.3 | 542.0 |



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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° | 10.8 | 8.6 | 8.6 | 8.6 | 6.5 | 6.5 | 6.5 | 4.3 | 4.3 | 4.3 | 2.2 |
| 85° | 19.4 | 19.4 | 17.2 | 15.1 | 15.1 | 12.9 | 10.8 | 10.8 | 8.6 | 6.5 | 6.5 |
| 82.5° | 32.3 | 30.1 | 28.0 | 25.8 | 23.7 | 19.4 | 17.2 | 15.1 | 12.9 | 10.8 | 8.6 |
| 80° | 45.2 | 43.0 | 38.7 | 34.4 | 32.3 | 28.0 | 25.8 | 21.5 | 17.2 | 15.1 | 12.9 |
| 77.5° | 60.2 | 55.9 | 51.6 | 47.3 | 40.9 | 36.6 | 32.3 | 28.0 | 23.7 | 19.4 | 15.1 |
| 75° | 79.6 | 71.0 | 64.5 | 58.1 | 51.6 | 45.2 | 38.7 | 34.4 | 28.0 | 23.7 | 17.2 |
| 72.5° | 98.9 | 90.3 | 79.6 | 71.0 | 62.4 | 55.9 | 47.3 | 40.9 | 34.4 | 28.0 | 21.5 |
| 70° | 118.3 | 107.5 | 96.8 | 86.0 | 75.3 | 64.5 | 55.9 | 47.3 | 38.7 | 32.3 | 25.8 |
| 67.5° | 137.6 | 126.9 | 114.0 | 101.1 | 90.3 | 77.4 | 64.5 | 55.9 | 45.2 | 36.6 | 28.0 |
| 65° | 161.3 | 146.3 | 131.2 | 118.3 | 103.2 | 90.3 | 75.3 | 62.4 | 51.6 | 40.9 | 32.3 |
| 62.5° | 185.0 | 167.8 | 150.6 | 133.3 | 118.3 | 101.1 | 86.0 | 71.0 | 58.1 | 47.3 | 34.4 |
| 60° | 208.6 | 189.3 | 169.9 | 150.6 | 131.2 | 114.0 | 96.8 | 79.6 | 64.5 | 51.6 | 38.7 |
| 57.5° | 232.3 | 210.8 | 189.3 | 167.8 | 146.3 | 126.9 | 107.5 | 90.3 | 71.0 | 55.9 | 43.0 |
| 55° | 253.8 | 232.3 | 208.6 | 185.0 | 161.3 | 137.6 | 118.3 | 98.9 | 79.6 | 60.2 | 45.2 |
| 52.5° | 273.1 | 251.6 | 228.0 | 202.2 | 178.5 | 152.7 | 129.0 | 107.5 | 86.0 | 64.5 | 49.5 |
| 50° | 294.7 | 271.0 | 245.2 | 219.4 | 191.4 | 165.6 | 139.8 | 116.1 | 92.5 | 71.0 | 53.8 |
| 47.5° | 314.0 | 288.2 | 262.4 | 234.4 | 206.5 | 178.5 | 150.6 | 124.7 | 98.9 | 77.4 | 55.9 |
| 45° | 333.4 | 307.6 | 279.6 | 249.5 | 221.5 | 191.4 | 161.3 | 131.2 | 107.5 | 81.7 | 60.2 |
| 42.5° | 350.6 | 322.6 | 294.7 | 266.7 | 234.4 | 204.3 | 172.1 | 139.8 | 114.0 | 88.2 | 62.4 |
| 40° | 367.8 | 339.8 | 309.7 | 279.6 | 247.3 | 215.1 | 182.8 | 150.6 | 120.4 | 92.5 | 66.7 |
| 37.5° | 385.0 | 354.9 | 324.8 | 292.5 | 260.2 | 225.8 | 191.4 | 157.0 | 126.9 | 96.8 | 71.0 |
| 35° | 397.9 | 367.8 | 337.7 | 305.4 | 271.0 | 236.6 | 202.2 | 165.6 | 131.2 | 101.1 | 73.1 |
| 32.5° | 410.8 | 382.8 | 350.6 | 316.2 | 281.7 | 247.3 | 210.8 | 174.2 | 137.6 | 107.5 | 77.4 |
| 30° | 423.7 | 393.6 | 361.3 | 326.9 | 292.5 | 255.9 | 219.4 | 180.7 | 144.1 | 109.7 | 79.6 |
| 27.5° | 434.4 | 404.3 | 372.1 | 337.7 | 301.1 | 264.5 | 225.8 | 187.1 | 148.4 | 114.0 | 83.9 |
| 25° | 445.2 | 415.1 | 382.8 | 346.3 | 309.7 | 271.0 | 232.3 | 193.6 | 154.9 | 118.3 | 86.0 |
| 22.5° | 456.0 | 421.5 | 391.4 | 354.9 | 318.3 | 279.6 | 238.7 | 197.9 | 159.2 | 120.4 | 88.2 |
| 20° | 464.6 | 430.1 | 397.9 | 361.3 | 324.8 | 286.0 | 245.2 | 204.3 | 163.5 | 124.7 | 90.3 |
| 17.5° | 473.2 | 438.8 | 404.3 | 369.9 | 331.2 | 290.3 | 249.5 | 208.6 | 165.6 | 126.9 | 92.5 |
| 15° | 481.8 | 445.2 | 410.8 | 374.2 | 335.5 | 296.8 | 253.8 | 212.9 | 169.9 | 129.0 | 94.6 |
| 12.5° | 488.2 | 449.5 | 415.1 | 380.7 | 339.8 | 301.1 | 258.1 | 215.1 | 172.1 | 131.2 | 94.6 |
| 10° | 492.5 | 453.8 | 419.4 | 385.0 | 344.1 | 303.3 | 260.2 | 219.4 | 174.2 | 133.3 | 96.8 |
| 7.5° | 496.8 | 458.1 | 421.5 | 387.1 | 346.3 | 305.4 | 264.5 | 221.5 | 176.4 | 133.3 | 98.9 |
| 5° | 501.1 | 460.3 | 423.7 | 389.3 | 348.4 | 309.7 | 266.7 | 223.7 | 178.5 | 135.5 | 98.9 |
| 2.5° | 503.3 | 462.4 | 425.8 | 391.4 | 350.6 | 309.7 | 266.7 | 223.7 | 178.5 | 135.5 | 98.9 |
| 0° | 503.3 | 462.4 | 425.8 | 391.4 | 350.6 | 309.7 | 266.7 | 223.7 | 178.5 | 135.5 | 98.9 |



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| 85° | 4.3 | 2.2 | 2.2 | 0.0 |
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| 77.5° | 10.8 | 6.5 | 4.3 | 0.0 |
| 75° | 12.9 | 8.6 | 4.3 | 0.0 |
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| 67.5° | 19.4 | 12.9 | 6.5 | 0.0 |
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| 47.5° | 38.7 | 25.8 | 10.8 | 0.0 |
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| 42.5° | 45.2 | 28.0 | 12.9 | 0.0 |
| 40° | 47.3 | 28.0 | 12.9 | 0.0 |
| 37.5° | 49.5 | 30.1 | 12.9 | 0.0 |
| 35° | 49.5 | 30.1 | 15.1 | 0.0 |
| 32.5° | 51.6 | 32.3 | 15.1 | 0.0 |
| 30° | 53.8 | 32.3 | 15.1 | 0.0 |
| 27.5° | 55.9 | 34.4 | 15.1 | 0.0 |
| 25° | 58.1 | 34.4 | 15.1 | 0.0 |
| 22.5° | 58.1 | 34.4 | 15.1 | 0.0 |
| 20° | 60.2 | 36.6 | 17.2 | 0.0 |
| 17.5° | 60.2 | 36.6 | 17.2 | 0.0 |
| 15° | 62.4 | 36.6 | 17.2 | 0.0 |
| 12.5° | 62.4 | 38.7 | 17.2 | 0.0 |
| 10° | 62.4 | 38.7 | 17.2 | 0.0 |
| 7.5° | 64.5 | 38.7 | 17.2 | 0.0 |
| 5° | 64.5 | 38.7 | 17.2 | 0.0 |
| 2.5° | 64.5 | 38.7 | 17.2 | 0.0 |
| 0° | 64.5 | 38.7 | 17.2 | 0.0 |

(END OF REPORT)