

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: P722991

Luminaire Tested: **IFLD-L-SA8A-760-U-11**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P722991
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-760-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens
Light Source: (128) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

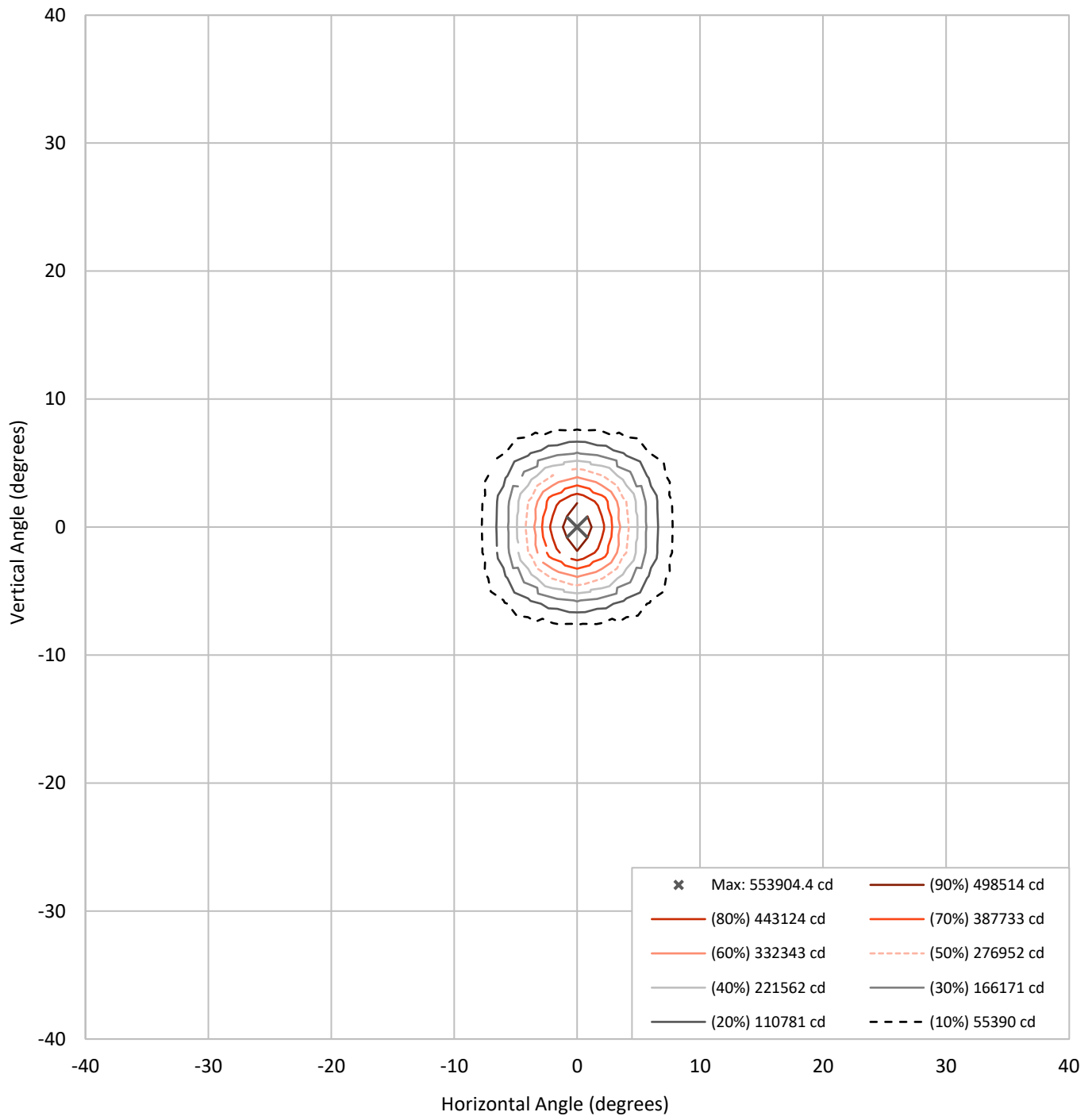
| | | | |
|-------------------|------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 1H x 1V |
| Luminaire Lumens: | 18481 lumens | Max Intensity: | 553904.4 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 74.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 8.3°H x 8.9°V | Field Angle (10%): | 14.9°H x 14.6°V |
| Beam Lumens: | 6226.3 lumens | Field Lumens: | 9834.8 lumens |
| Beam Efficiency: | 33.7% | Field Efficiency: | 53.2% |

Input Watts (W): 247.8
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: 28.75 FT



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Iso-Candela Plot





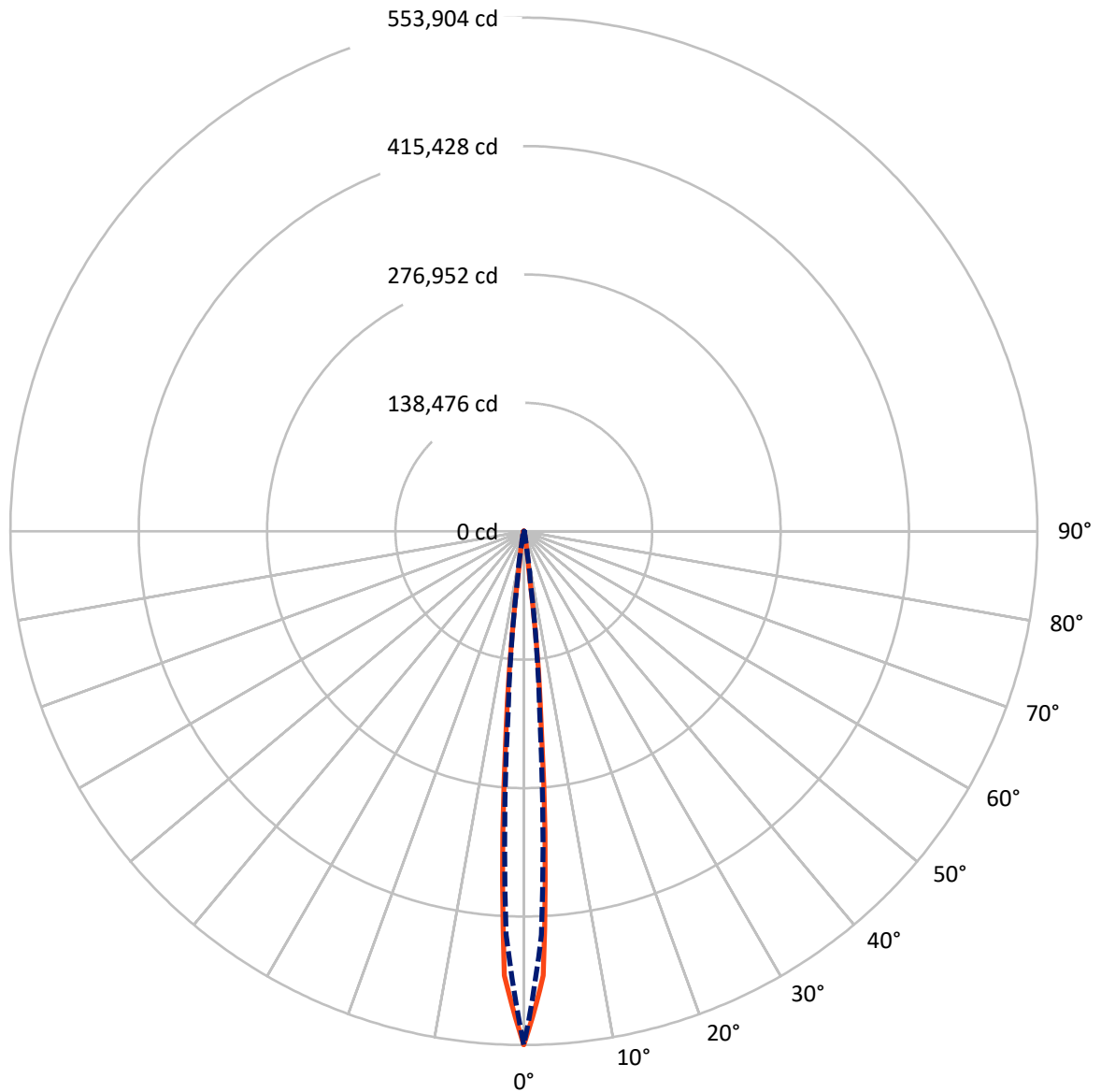
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Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|------|------|------|------|-------|--------|--------|-------|------|------|------|------|-----|-----|----|----|----|
| 90 | 0.1 | 0.7 | | 2.5 | | 5.7 | | 10.1 | | 5.7 | | 2.5 | | 0.7 | | 0.1 | | | |
| 80 | 0.1 | 0.7 | | 2.5 | | 5.7 | | 10.1 | | 5.7 | | 2.5 | | 0.7 | | 0.1 | | | |
| 70 | 0.4 | 0.5 | 1.3 | 2.6 | 4.0 | 4.9 | 8.0 | 14.8 | 14.8 | 8.0 | 4.9 | 4.0 | 2.6 | 1.3 | 0.5 | 0.4 | | | |
| 60 | | 0.9 | 2.3 | 4.7 | 7.3 | 9.6 | 12.8 | 18.1 | 18.1 | 12.8 | 9.6 | 7.3 | 4.7 | 2.3 | 0.9 | | | | |
| 50 | 1.3 | 1.7 | 3.5 | 7.2 | 12.0 | 17.8 | 23.1 | 28.4 | 28.4 | 23.1 | 17.8 | 12.0 | 7.2 | 3.5 | 1.7 | 1.3 | | | |
| 40 | | 2.6 | 4.9 | 10.3 | 18.6 | 25.0 | 27.7 | 29.5 | 29.5 | 27.7 | 25.0 | 18.6 | 10.3 | 4.9 | 2.6 | | | | |
| 30 | 2.5 | 3.8 | 6.8 | 14.5 | 22.8 | 26.2 | 34.7 | 46.1 | 46.1 | 34.7 | 26.2 | 22.8 | 14.5 | 6.8 | 3.8 | 2.5 | | | |
| 20 | | 5.1 | 9.5 | 19.1 | 25.1 | 33.6 | 67.5 | 129.6 | 129.6 | 67.5 | 33.6 | 25.1 | 19.1 | 9.5 | 5.1 | | | | |
| 10 | 2.9 | 5.8 | 11.6 | 21.6 | 26.3 | 44.3 | 134.3 | 3608.3 | 3608.3 | 134.3 | 44.3 | 26.3 | 21.6 | 11.6 | 5.8 | 2.9 | | | |
| 0 | | 5.8 | 11.6 | 21.6 | 26.3 | 44.3 | 134.3 | 3608.3 | 3608.3 | 134.3 | 44.3 | 26.3 | 21.6 | 11.6 | 5.8 | | | | |
| -10 | 2.5 | 5.1 | 9.5 | 19.1 | 25.1 | 33.6 | 67.5 | 129.6 | 129.6 | 67.5 | 33.6 | 25.1 | 19.1 | 9.5 | 5.1 | 2.5 | | | |
| -20 | | 3.8 | 6.8 | 14.5 | 22.8 | 26.2 | 34.7 | 46.1 | 46.1 | 34.7 | 26.2 | 22.8 | 14.5 | 6.8 | 3.8 | | | | |
| -30 | 1.3 | 2.6 | 4.9 | 10.3 | 18.6 | 25.0 | 27.7 | 29.5 | 29.5 | 27.7 | 25.0 | 18.6 | 10.3 | 4.9 | 2.6 | 1.3 | | | |
| -40 | | 1.7 | 3.5 | 7.2 | 12.0 | 17.8 | 23.1 | 28.4 | 28.4 | 23.1 | 17.8 | 12.0 | 7.2 | 3.5 | 1.7 | | | | |
| -50 | 0.4 | 0.9 | 2.3 | 4.7 | 7.3 | 9.6 | 12.8 | 18.1 | 18.1 | 12.8 | 9.6 | 7.3 | 4.7 | 2.3 | 0.9 | 0.4 | | | |
| -60 | | 0.5 | 1.3 | 2.6 | 4.0 | 4.9 | 8.0 | 14.8 | 14.8 | 8.0 | 4.9 | 4.0 | 2.6 | 1.3 | 0.5 | | | | |
| -70 | 0.1 | 0.7 | | 2.5 | | 5.7 | | 10.1 | | 5.7 | | 2.5 | | 0.7 | | 0.1 | | | |
| -80 | | 0.7 | | 2.5 | | 5.7 | | 10.1 | | 5.7 | | 2.5 | | 0.7 | | | | | |
| -90 | 0.1 | 0.7 | | 2.5 | | 5.7 | | 10.1 | | 5.7 | | 2.5 | | 0.7 | | 0.1 | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

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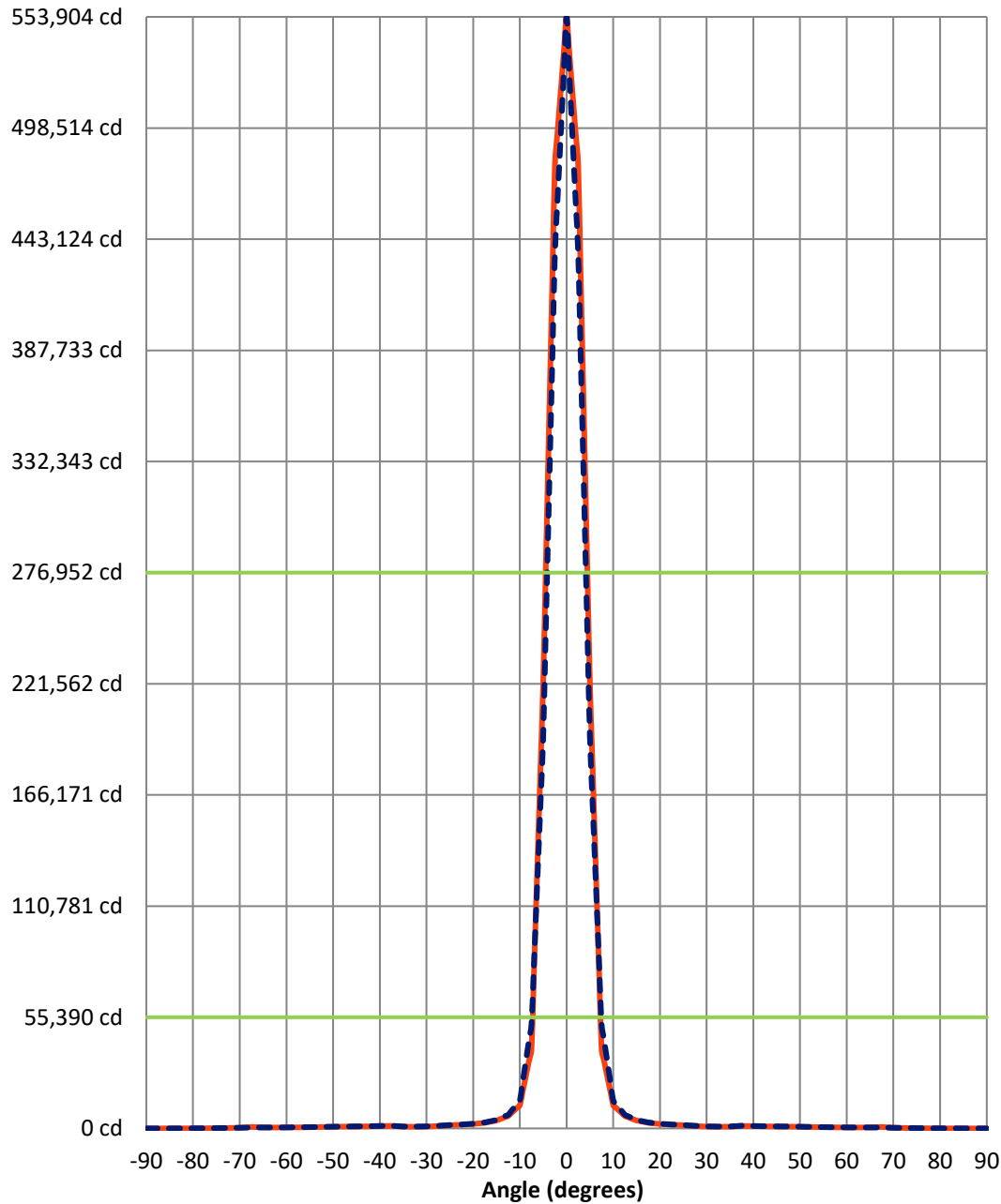
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 8.3°
V Angle: 8.9°
Lumens: 6226.3
Efficiency: 33.7%

Field:
H Angle: 14.9°
V Angle: 14.6°
Lumens: 9834.8
Efficiency: 53.2%

Spill:
Lumens: 8646.2
Efficiency: 46.8%

— 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 82.5° | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 9.7 | 9.7 | 9.7 | 9.7 |
| 80° | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 33.8 | 33.8 | 29.0 | 24.1 | 24.1 |
| 77.5° | 72.4 | 77.2 | 82.1 | 77.2 | 72.4 | 72.4 | 67.6 | 57.9 | 53.1 | 43.4 | 38.6 |
| 75° | 120.7 | 130.3 | 135.2 | 130.3 | 125.5 | 120.7 | 111.0 | 96.5 | 82.1 | 67.6 | 57.9 |
| 72.5° | 217.2 | 222.1 | 222.1 | 212.4 | 197.9 | 188.3 | 173.8 | 144.8 | 120.7 | 96.5 | 82.1 |
| 70° | 376.5 | 391.0 | 395.8 | 347.6 | 304.1 | 265.5 | 226.9 | 193.1 | 154.5 | 120.7 | 106.2 |
| 67.5° | 724.1 | 704.8 | 671.0 | 540.7 | 420.0 | 313.8 | 241.4 | 212.4 | 178.6 | 144.8 | 135.2 |
| 65° | 545.5 | 531.0 | 511.7 | 444.1 | 376.5 | 304.1 | 255.9 | 226.9 | 202.8 | 173.8 | 169.0 |
| 62.5° | 458.6 | 458.6 | 448.9 | 405.5 | 362.1 | 309.0 | 275.2 | 255.9 | 231.7 | 207.6 | 207.6 |
| 60° | 477.9 | 487.6 | 477.9 | 434.5 | 386.2 | 337.9 | 309.0 | 289.6 | 265.5 | 251.0 | 251.0 |
| 57.5° | 540.7 | 545.5 | 531.0 | 482.7 | 434.5 | 381.4 | 352.4 | 328.3 | 304.1 | 289.6 | 289.6 |
| 55° | 622.7 | 617.9 | 598.6 | 550.3 | 502.0 | 448.9 | 420.0 | 386.2 | 352.4 | 337.9 | 337.9 |
| 52.5° | 700.0 | 704.8 | 685.5 | 642.0 | 588.9 | 535.8 | 502.0 | 458.6 | 420.0 | 405.5 | 395.8 |
| 50° | 811.0 | 815.8 | 801.3 | 757.9 | 714.5 | 661.4 | 608.3 | 550.3 | 506.9 | 487.6 | 468.3 |
| 47.5° | 907.5 | 907.5 | 893.1 | 864.1 | 830.3 | 782.0 | 724.1 | 671.0 | 622.7 | 588.9 | 555.1 |
| 45° | 951.0 | 951.0 | 941.3 | 926.9 | 907.5 | 864.1 | 806.2 | 748.2 | 714.5 | 695.1 | 666.2 |
| 42.5° | 1028.2 | 1028.2 | 1004.1 | 975.1 | 951.0 | 907.5 | 854.4 | 791.7 | 782.0 | 762.7 | 743.4 |
| 40° | 1153.7 | 1110.3 | 1071.7 | 1037.9 | 999.3 | 951.0 | 902.7 | 859.3 | 840.0 | 815.8 | 796.5 |
| 37.5° | 1269.6 | 1211.7 | 1153.7 | 1100.6 | 1057.2 | 1018.6 | 955.8 | 922.0 | 897.9 | 868.9 | 849.6 |
| 35° | 873.8 | 854.4 | 878.6 | 907.5 | 951.0 | 1018.6 | 1062.0 | 1013.8 | 960.7 | 926.9 | 902.7 |
| 32.5° | 835.1 | 835.1 | 840.0 | 840.0 | 830.3 | 825.5 | 868.9 | 970.3 | 1071.7 | 1018.6 | 970.3 |
| 30° | 926.9 | 946.2 | 951.0 | 941.3 | 907.5 | 864.1 | 840.0 | 835.1 | 883.4 | 1023.4 | 1062.0 |
| 27.5° | 1197.2 | 1211.7 | 1202.0 | 1168.2 | 1095.8 | 994.4 | 931.7 | 864.1 | 849.6 | 849.6 | 1004.1 |
| 25° | 1622.0 | 1617.2 | 1578.6 | 1501.3 | 1390.3 | 1255.1 | 1120.0 | 980.0 | 907.5 | 864.1 | 859.3 |
| 22.5° | 1863.4 | 1863.4 | 1834.4 | 1791.0 | 1718.6 | 1583.4 | 1395.1 | 1206.8 | 1028.2 | 926.9 | 868.9 |
| 20° | 2191.6 | 2201.3 | 2167.5 | 2085.4 | 1955.1 | 1834.4 | 1694.4 | 1472.4 | 1240.6 | 1037.9 | 922.0 |
| 17.5° | 2809.5 | 2799.9 | 2722.6 | 2553.7 | 2326.8 | 2119.2 | 1902.0 | 1733.0 | 1486.8 | 1226.2 | 1008.9 |
| 15° | 3939.2 | 3910.2 | 3693.0 | 3301.9 | 2877.1 | 2510.2 | 2191.6 | 1911.6 | 1718.6 | 1424.1 | 1158.6 |
| 12.5° | 6159.7 | 6077.7 | 5488.7 | 4561.9 | 3746.1 | 2997.8 | 2524.7 | 2148.2 | 1863.4 | 1617.2 | 1303.4 |
| 10° | 11556.8 | 11469.9 | 9659.6 | 6671.5 | 5126.7 | 3755.7 | 2896.4 | 2375.1 | 2003.4 | 1757.2 | 1443.4 |
| 7.5° | 39710.1 | 34337.2 | 21255.0 | 13014.6 | 6777.7 | 4653.6 | 3374.3 | 2626.1 | 2157.8 | 1844.1 | 1564.1 |
| 5° | 222315.8 | 183981.5 | 97691.9 | 26666.5 | 10745.8 | 5773.6 | 3832.9 | 2833.7 | 2264.0 | 1906.8 | 1636.5 |
| 2.5° | 479596.4 | 396179.1 | 190556.4 | 48327.0 | 13241.5 | 6502.5 | 4098.5 | 2930.2 | 2317.1 | 1935.8 | 1679.9 |
| 0° | 553904.4 | 435532.0 | 194621.1 | 52304.8 | 13873.9 | 6792.1 | 4214.3 | 2973.7 | 2341.3 | 1955.1 | 1694.4 |



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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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 85° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 82.5° | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 80° | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 14.5 | 14.5 | 14.5 | 9.7 | 9.7 | 9.7 |
| 77.5° | 38.6 | 38.6 | 33.8 | 33.8 | 29.0 | 29.0 | 29.0 | 24.1 | 19.3 | 19.3 | 14.5 |
| 75° | 57.9 | 57.9 | 57.9 | 53.1 | 48.3 | 43.4 | 43.4 | 38.6 | 33.8 | 29.0 | 29.0 |
| 72.5° | 82.1 | 82.1 | 82.1 | 77.2 | 72.4 | 67.6 | 57.9 | 53.1 | 48.3 | 43.4 | 38.6 |
| 70° | 106.2 | 106.2 | 106.2 | 101.4 | 101.4 | 96.5 | 86.9 | 77.2 | 67.6 | 57.9 | 53.1 |
| 67.5° | 135.2 | 135.2 | 135.2 | 125.5 | 120.7 | 115.9 | 111.0 | 101.4 | 91.7 | 77.2 | 67.6 |
| 65° | 169.0 | 169.0 | 169.0 | 154.5 | 144.8 | 140.0 | 130.3 | 120.7 | 106.2 | 96.5 | 82.1 |
| 62.5° | 212.4 | 212.4 | 202.8 | 188.3 | 173.8 | 159.3 | 149.6 | 140.0 | 125.5 | 111.0 | 96.5 |
| 60° | 251.0 | 251.0 | 246.2 | 226.9 | 207.6 | 183.4 | 173.8 | 159.3 | 144.8 | 130.3 | 111.0 |
| 57.5° | 289.6 | 289.6 | 280.0 | 260.7 | 241.4 | 222.1 | 202.8 | 188.3 | 169.0 | 149.6 | 130.3 |
| 55° | 333.1 | 328.3 | 313.8 | 294.5 | 275.2 | 255.9 | 241.4 | 222.1 | 202.8 | 178.6 | 149.6 |
| 52.5° | 386.2 | 371.7 | 347.6 | 328.3 | 304.1 | 284.8 | 270.3 | 251.0 | 231.7 | 202.8 | 169.0 |
| 50° | 448.9 | 424.8 | 391.0 | 362.1 | 337.9 | 318.6 | 299.3 | 280.0 | 260.7 | 226.9 | 193.1 |
| 47.5° | 526.2 | 487.6 | 448.9 | 410.3 | 376.5 | 352.4 | 328.3 | 309.0 | 280.0 | 246.2 | 212.4 |
| 45° | 617.9 | 560.0 | 516.5 | 468.3 | 429.6 | 391.0 | 362.1 | 337.9 | 299.3 | 260.7 | 226.9 |
| 42.5° | 709.6 | 661.4 | 598.6 | 535.8 | 487.6 | 439.3 | 400.7 | 362.1 | 323.4 | 280.0 | 241.4 |
| 40° | 772.4 | 733.8 | 690.3 | 622.7 | 555.1 | 497.2 | 444.1 | 391.0 | 342.7 | 299.3 | 255.9 |
| 37.5° | 820.7 | 791.7 | 753.1 | 704.8 | 637.2 | 564.8 | 492.4 | 424.8 | 366.9 | 318.6 | 275.2 |
| 35° | 873.8 | 840.0 | 801.3 | 762.7 | 709.6 | 632.4 | 540.7 | 463.4 | 395.8 | 337.9 | 299.3 |
| 32.5° | 931.7 | 883.4 | 844.8 | 801.3 | 762.7 | 700.0 | 603.4 | 506.9 | 424.8 | 366.9 | 328.3 |
| 30° | 999.3 | 936.5 | 883.4 | 840.0 | 796.5 | 738.6 | 666.2 | 555.1 | 468.3 | 405.5 | 357.2 |
| 27.5° | 1071.7 | 980.0 | 922.0 | 873.8 | 830.3 | 777.2 | 709.6 | 613.1 | 521.4 | 444.1 | 386.2 |
| 25° | 1004.1 | 1052.4 | 960.7 | 907.5 | 859.3 | 806.2 | 748.2 | 685.5 | 579.3 | 492.4 | 424.8 |
| 22.5° | 864.1 | 1033.1 | 1028.2 | 951.0 | 893.1 | 844.8 | 811.0 | 743.4 | 646.9 | 540.7 | 458.6 |
| 20° | 873.8 | 922.0 | 1100.6 | 994.4 | 936.5 | 902.7 | 868.9 | 806.2 | 709.6 | 584.1 | 492.4 |
| 17.5° | 902.7 | 883.4 | 1013.8 | 1062.0 | 994.4 | 951.0 | 926.9 | 868.9 | 767.6 | 642.0 | 545.5 |
| 15° | 980.0 | 897.9 | 936.5 | 1120.0 | 1047.5 | 999.3 | 984.8 | 912.4 | 820.7 | 704.8 | 598.6 |
| 12.5° | 1047.5 | 922.0 | 902.7 | 1081.3 | 1095.8 | 1042.7 | 1008.9 | 946.2 | 864.1 | 757.9 | 646.9 |
| 10° | 1158.6 | 980.0 | 917.2 | 1037.9 | 1144.1 | 1081.3 | 1028.2 | 975.1 | 897.9 | 806.2 | 695.1 |
| 7.5° | 1245.5 | 1013.8 | 922.0 | 1004.1 | 1192.4 | 1110.3 | 1047.5 | 989.6 | 926.9 | 844.8 | 733.8 |
| 5° | 1284.1 | 1028.2 | 917.2 | 975.1 | 1245.5 | 1144.1 | 1071.7 | 1004.1 | 946.2 | 868.9 | 753.1 |
| 2.5° | 1303.4 | 1033.1 | 912.4 | 951.0 | 1298.6 | 1187.5 | 1081.3 | 1004.1 | 946.2 | 873.8 | 753.1 |
| 0° | 1313.1 | 1023.4 | 912.4 | 965.5 | 1337.2 | 1231.0 | 1086.2 | 1004.1 | 941.3 | 868.9 | 743.4 |



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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° | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 0.0 | 0.0 |
| 82.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 80° | 9.7 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 77.5° | 14.5 | 14.5 | 9.7 | 9.7 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 75° | 24.1 | 19.3 | 19.3 | 14.5 | 14.5 | 9.7 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 72.5° | 33.8 | 29.0 | 24.1 | 19.3 | 19.3 | 14.5 | 9.7 | 4.8 | 4.8 | 4.8 | 4.8 |
| 70° | 43.4 | 38.6 | 29.0 | 24.1 | 24.1 | 19.3 | 14.5 | 9.7 | 4.8 | 4.8 | 4.8 |
| 67.5° | 57.9 | 48.3 | 38.6 | 29.0 | 29.0 | 24.1 | 19.3 | 14.5 | 9.7 | 4.8 | 4.8 |
| 65° | 72.4 | 57.9 | 48.3 | 38.6 | 33.8 | 29.0 | 24.1 | 19.3 | 14.5 | 4.8 | 4.8 |
| 62.5° | 82.1 | 72.4 | 57.9 | 48.3 | 43.4 | 33.8 | 29.0 | 24.1 | 14.5 | 9.7 | 4.8 |
| 60° | 96.5 | 82.1 | 67.6 | 57.9 | 53.1 | 43.4 | 33.8 | 29.0 | 19.3 | 14.5 | 4.8 |
| 57.5° | 111.0 | 91.7 | 77.2 | 67.6 | 62.8 | 53.1 | 43.4 | 33.8 | 24.1 | 14.5 | 9.7 |
| 55° | 125.5 | 106.2 | 86.9 | 82.1 | 72.4 | 62.8 | 53.1 | 38.6 | 29.0 | 19.3 | 9.7 |
| 52.5° | 140.0 | 115.9 | 101.4 | 96.5 | 86.9 | 72.4 | 57.9 | 48.3 | 33.8 | 24.1 | 14.5 |
| 50° | 159.3 | 130.3 | 115.9 | 111.0 | 96.5 | 82.1 | 67.6 | 57.9 | 43.4 | 29.0 | 14.5 |
| 47.5° | 178.6 | 144.8 | 135.2 | 125.5 | 111.0 | 96.5 | 77.2 | 67.6 | 48.3 | 33.8 | 19.3 |
| 45° | 193.1 | 169.0 | 154.5 | 144.8 | 125.5 | 111.0 | 91.7 | 77.2 | 53.1 | 38.6 | 19.3 |
| 42.5° | 202.8 | 188.3 | 178.6 | 164.1 | 144.8 | 120.7 | 101.4 | 86.9 | 62.8 | 43.4 | 24.1 |
| 40° | 226.9 | 212.4 | 197.9 | 183.4 | 164.1 | 135.2 | 115.9 | 96.5 | 72.4 | 48.3 | 24.1 |
| 37.5° | 251.0 | 231.7 | 217.2 | 202.8 | 183.4 | 154.5 | 135.2 | 106.2 | 82.1 | 53.1 | 29.0 |
| 35° | 275.2 | 255.9 | 236.5 | 222.1 | 202.8 | 178.6 | 149.6 | 120.7 | 91.7 | 57.9 | 33.8 |
| 32.5° | 299.3 | 275.2 | 255.9 | 236.5 | 226.9 | 197.9 | 164.1 | 130.3 | 101.4 | 62.8 | 33.8 |
| 30° | 323.4 | 294.5 | 275.2 | 260.7 | 251.0 | 222.1 | 183.4 | 144.8 | 111.0 | 72.4 | 38.6 |
| 27.5° | 347.6 | 313.8 | 289.6 | 289.6 | 280.0 | 246.2 | 197.9 | 159.3 | 120.7 | 77.2 | 43.4 |
| 25° | 371.7 | 333.1 | 323.4 | 318.6 | 313.8 | 270.3 | 217.2 | 173.8 | 125.5 | 86.9 | 43.4 |
| 22.5° | 395.8 | 366.9 | 352.4 | 347.6 | 337.9 | 294.5 | 236.5 | 183.4 | 135.2 | 91.7 | 48.3 |
| 20° | 434.5 | 405.5 | 386.2 | 371.7 | 366.9 | 323.4 | 255.9 | 197.9 | 144.8 | 91.7 | 48.3 |
| 17.5° | 482.7 | 439.3 | 415.2 | 400.7 | 391.0 | 347.6 | 275.2 | 212.4 | 149.6 | 91.7 | 48.3 |
| 15° | 526.2 | 477.9 | 444.1 | 424.8 | 415.2 | 376.5 | 289.6 | 217.2 | 154.5 | 91.7 | 48.3 |
| 12.5° | 569.6 | 511.7 | 473.1 | 453.8 | 439.3 | 405.5 | 304.1 | 222.1 | 154.5 | 91.7 | 48.3 |
| 10° | 608.3 | 545.5 | 506.9 | 477.9 | 458.6 | 415.2 | 309.0 | 226.9 | 154.5 | 91.7 | 48.3 |
| 7.5° | 642.0 | 574.5 | 521.4 | 477.9 | 458.6 | 424.8 | 309.0 | 231.7 | 154.5 | 91.7 | 53.1 |
| 5° | 646.9 | 574.5 | 516.5 | 477.9 | 463.4 | 429.6 | 313.8 | 231.7 | 154.5 | 86.9 | 48.3 |
| 2.5° | 651.7 | 574.5 | 516.5 | 477.9 | 463.4 | 429.6 | 313.8 | 231.7 | 154.5 | 86.9 | 48.3 |
| 0° | 646.9 | 569.6 | 511.7 | 477.9 | 463.4 | 429.6 | 313.8 | 231.7 | 149.6 | 82.1 | 48.3 |



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| | 82.5° | 85° | 87.5° | 90° |
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| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 4.8 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.8 | 0.0 | 0.0 | 0.0 |
| 75° | 4.8 | 4.8 | 0.0 | 0.0 |
| 72.5° | 4.8 | 4.8 | 0.0 | 0.0 |
| 70° | 4.8 | 4.8 | 0.0 | 0.0 |
| 67.5° | 4.8 | 4.8 | 0.0 | 0.0 |
| 65° | 4.8 | 4.8 | 0.0 | 0.0 |
| 62.5° | 4.8 | 4.8 | 0.0 | 0.0 |
| 60° | 4.8 | 4.8 | 0.0 | 0.0 |
| 57.5° | 4.8 | 4.8 | 4.8 | 0.0 |
| 55° | 4.8 | 4.8 | 4.8 | 0.0 |
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| 50° | 4.8 | 4.8 | 4.8 | 0.0 |
| 47.5° | 4.8 | 4.8 | 4.8 | 0.0 |
| 45° | 4.8 | 4.8 | 4.8 | 0.0 |
| 42.5° | 9.7 | 4.8 | 4.8 | 0.0 |
| 40° | 9.7 | 4.8 | 4.8 | 0.0 |
| 37.5° | 14.5 | 4.8 | 4.8 | 0.0 |
| 35° | 14.5 | 4.8 | 4.8 | 0.0 |
| 32.5° | 14.5 | 4.8 | 4.8 | 0.0 |
| 30° | 14.5 | 4.8 | 4.8 | 0.0 |
| 27.5° | 19.3 | 4.8 | 4.8 | 0.0 |
| 25° | 19.3 | 4.8 | 4.8 | 0.0 |
| 22.5° | 19.3 | 4.8 | 4.8 | 0.0 |
| 20° | 19.3 | 4.8 | 4.8 | 0.0 |
| 17.5° | 19.3 | 4.8 | 4.8 | 0.0 |
| 15° | 24.1 | 4.8 | 4.8 | 0.0 |
| 12.5° | 24.1 | 4.8 | 4.8 | 0.0 |
| 10° | 24.1 | 4.8 | 4.8 | 0.0 |
| 7.5° | 24.1 | 4.8 | 4.8 | 0.0 |
| 5° | 24.1 | 4.8 | 4.8 | 0.0 |
| 2.5° | 24.1 | 4.8 | 4.8 | 0.0 |
| 0° | 24.1 | 4.8 | 4.8 | 0.0 |

(END OF REPORT)