

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: P623768

Luminaire Tested: **IFLD-M-SA4A-827-U-55**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623768  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-827-U-55  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens  
Light Source: (64) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                   |                                      |                      |                 |
|-------------------|--------------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                                  | NEMA Type:           | 5H x 5V         |
| Luminaire Lumens: | 14154.7 lumens                       | Max Intensity:       | 17297.6 candela |
| Efficiency:       | N/A                                  | Max Intensity Angle: | 0°H x 10°V      |
| Efficacy:         | 110.1 lumens/watt                    |                      |                 |
| Luminous Opening: | Rectangular (W 2' x L: 0.5' x H: 0') |                      |                 |

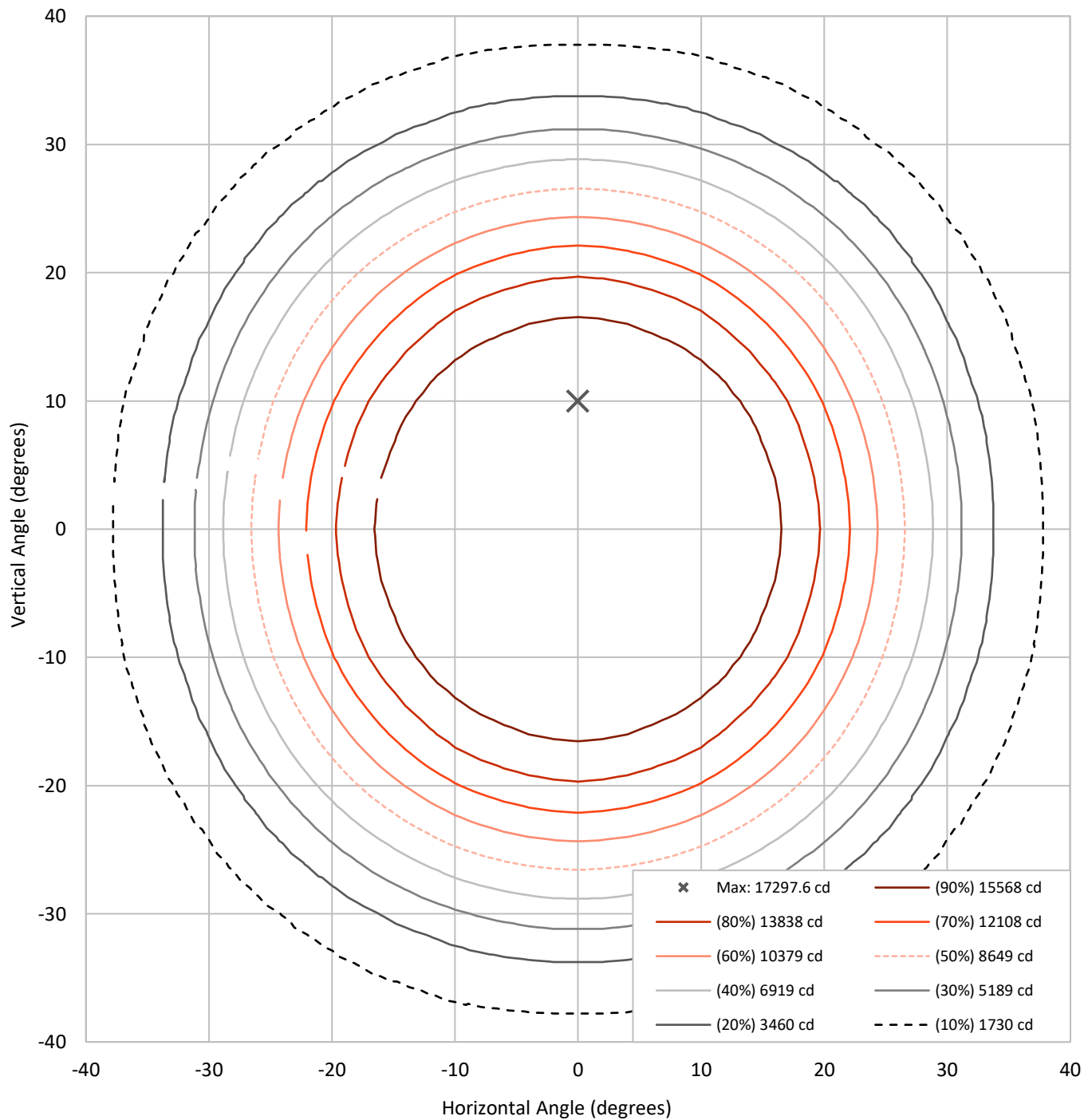
|                   |                 |                    |                 |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 49.5°H x 53.1°V | Field Angle (10%): | 73.6°H x 75.3°V |
| Beam Lumens:      | 7035.2 lumens   | Field Lumens:      | 9149.5 lumens   |
| Beam Efficiency:  | 49.7%           | Field Efficiency:  | 64.6%           |

Input Watts (W): 128.6  
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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## Iso-Candela Plot



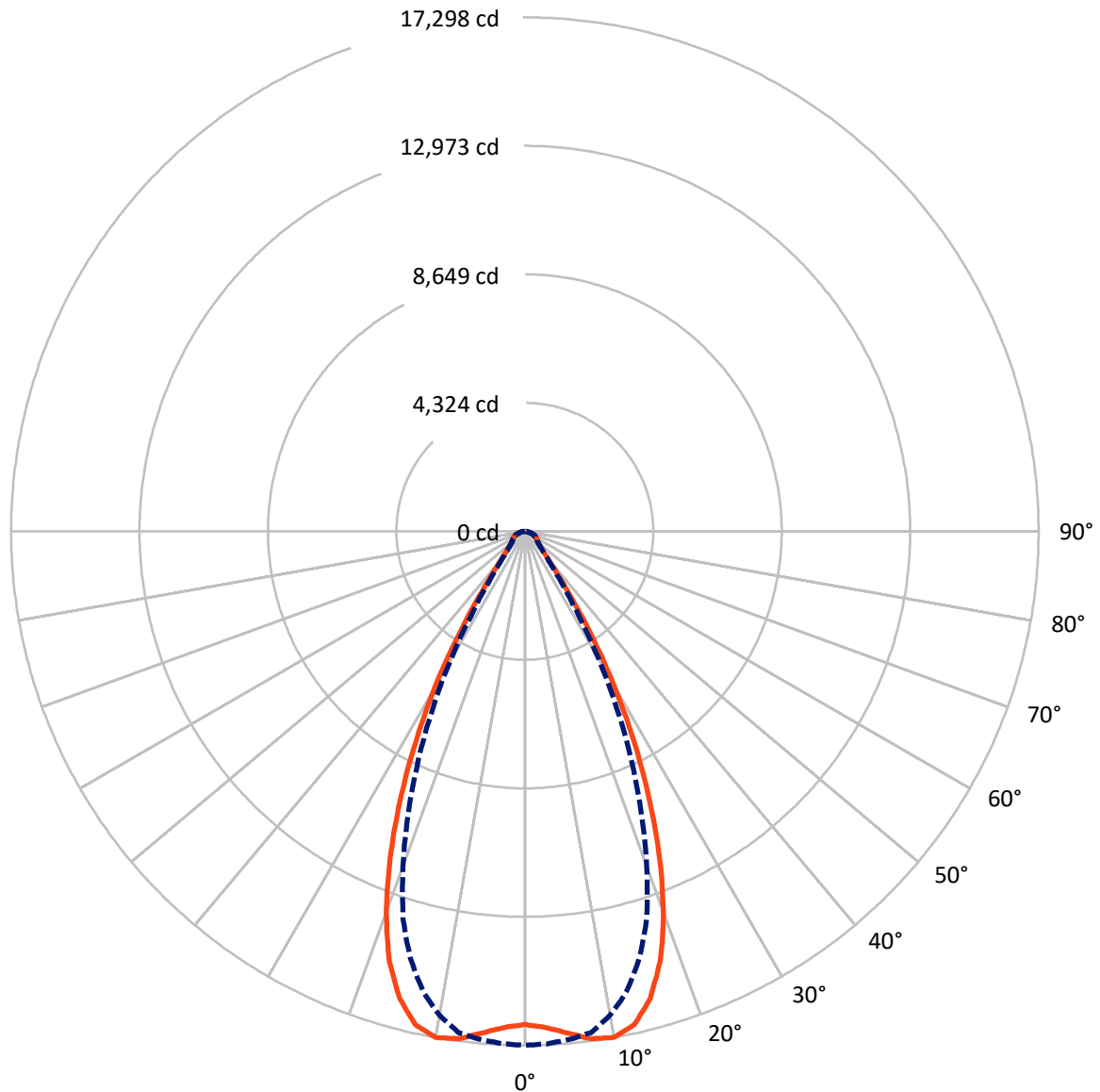
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## Lumen Table

|     |                            |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |
|-----|----------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|----|----|
| 90  |                            |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |
| 80  | 0.4                        |     | 3.1 |     | 8.1  |      | 13.1  |       | 15.1  |       | 13.1  |       | 8.1  |      | 3.1 |     | 0.4 |    |    |
| 70  | 1.4                        |     | 1.5 | 3.2 | 5.3  | 7.4  | 9.3   | 10.6  | 11.3  | 11.3  | 10.6  | 9.3   | 7.4  | 5.3  | 3.2 | 1.5 | 1.4 |    |    |
| 60  |                            |     | 2.4 | 4.9 | 7.8  | 10.4 | 12.7  | 14.4  | 15.3  | 15.3  | 14.4  | 12.7  | 10.4 | 7.8  | 4.9 | 2.4 |     |    |    |
| 50  | 2.5                        |     | 3.2 | 6.3 | 9.5  | 12.8 | 16.6  | 21.0  | 24.4  | 24.4  | 21.0  | 16.6  | 12.8 | 9.5  | 6.3 | 3.2 | 2.5 |    |    |
| 40  |                            |     | 3.9 | 7.3 | 11.1 | 16.8 | 29.9  | 58.4  | 88.1  | 88.1  | 58.4  | 29.9  | 16.8 | 11.1 | 7.3 | 3.9 |     |    |    |
| 30  | 3.3                        |     | 4.4 | 8.1 | 13.0 | 27.1 | 86.5  | 200.4 | 284.4 | 284.4 | 200.4 | 86.5  | 27.1 | 13.0 | 8.1 | 4.4 | 3.3 |    |    |
| 20  |                            |     | 4.7 | 8.6 | 15.5 | 50.1 | 188.8 | 369.3 | 470.8 | 470.8 | 369.3 | 188.8 | 50.1 | 15.5 | 8.6 | 4.7 |     |    |    |
| 10  | 3.7                        |     | 4.9 | 8.9 | 17.5 | 73.5 | 260.0 | 456.9 | 518.1 | 518.1 | 456.9 | 260.0 | 73.5 | 17.5 | 8.9 | 4.9 | 3.7 |    |    |
| 0   |                            |     | 4.9 | 8.9 | 17.5 | 73.5 | 260.0 | 456.9 | 518.1 | 518.1 | 456.9 | 260.0 | 73.5 | 17.5 | 8.9 | 4.9 |     |    |    |
| -10 | 3.3                        |     | 4.7 | 8.6 | 15.5 | 50.1 | 188.8 | 369.3 | 470.8 | 470.8 | 369.3 | 188.8 | 50.1 | 15.5 | 8.6 | 4.7 | 3.3 |    |    |
| -20 |                            |     | 4.4 | 8.1 | 13.0 | 27.1 | 86.5  | 200.4 | 284.4 | 284.4 | 200.4 | 86.5  | 27.1 | 13.0 | 8.1 | 4.4 |     |    |    |
| -30 | 2.5                        |     | 3.9 | 7.3 | 11.1 | 16.8 | 29.9  | 58.4  | 88.1  | 88.1  | 58.4  | 29.9  | 16.8 | 11.1 | 7.3 | 3.9 | 2.5 |    |    |
| -40 |                            |     | 3.2 | 6.3 | 9.5  | 12.8 | 16.6  | 21.0  | 24.4  | 24.4  | 21.0  | 16.6  | 12.8 | 9.5  | 6.3 | 3.2 |     |    |    |
| -50 | 1.4                        |     | 2.4 | 4.9 | 7.8  | 10.4 | 12.7  | 14.4  | 15.3  | 15.3  | 14.4  | 12.7  | 10.4 | 7.8  | 4.9 | 2.4 | 1.4 |    |    |
| -60 |                            |     | 1.5 | 3.2 | 5.3  | 7.4  | 9.3   | 10.6  | 11.3  | 11.3  | 10.6  | 9.3   | 7.4  | 5.3  | 3.2 | 1.5 |     |    |    |
| -70 | 0.4                        |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     | 0.4 |    |    |
| -80 |                            |     | 3.1 |     | 8.1  |      | 13.1  |       | 15.1  |       | 13.1  |       | 8.1  |      | 3.1 |     |     |    |    |
| -90 | 0.4                        |     | 3.1 |     | 8.1  |      | 13.1  |       | 15.1  |       | 13.1  |       | 8.1  |      | 3.1 |     | 0.4 |    |    |
|     | -90                        | -80 | -70 | -60 | -50  | -40  | -30   | -20   | -10   | 0     | 10    | 20    | 30   | 40   | 50  | 60  | 70  | 80 | 90 |
|     | Horizontal Angle (degrees) |     |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |    |    |

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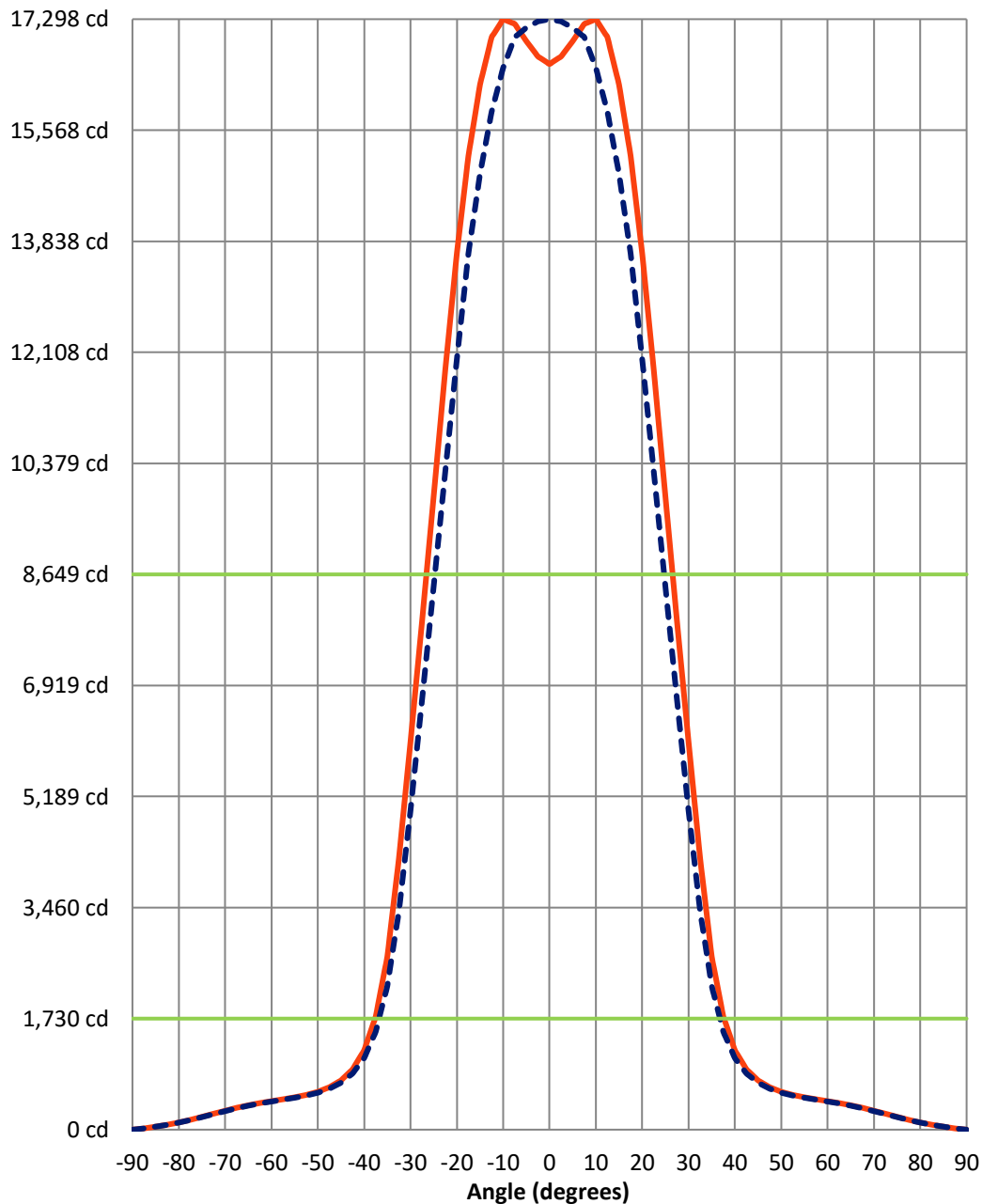
## Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 10-Deg

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## Luminous Intensity Plot



**Beam:**  
H Angle: 49.5°  
V Angle: 53.1°  
Lumens: 7035.2  
Efficiency: 49.7%

**Field:**  
H Angle: 73.6°  
V Angle: 75.3°  
Lumens: 9149.5  
Efficiency: 64.6%

**Spill:**  
Lumens: 5005.2  
Efficiency: 35.4%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 10-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° | 19.1    | 19.1    | 19.1    | 19.1    | 19.1    | 19.1    | 19.1    | 17.6    | 17.6    | 17.6    | 17.6   |
| 85°   | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 45.6    | 45.6    | 44.1    | 44.1    | 42.6    | 41.2   |
| 82.5° | 76.5    | 76.5    | 76.5    | 76.5    | 75.0    | 75.0    | 73.5    | 72.0    | 70.6    | 69.1    | 67.6   |
| 80°   | 111.7   | 111.7   | 111.7   | 111.7   | 110.3   | 108.8   | 107.3   | 105.9   | 102.9   | 101.5   | 98.5   |
| 77.5° | 152.9   | 152.9   | 152.9   | 151.4   | 150.0   | 148.5   | 145.6   | 142.6   | 139.7   | 136.7   | 133.8  |
| 75°   | 200.0   | 200.0   | 200.0   | 197.0   | 195.6   | 192.6   | 189.7   | 186.7   | 182.3   | 177.9   | 173.5  |
| 72.5° | 248.5   | 248.5   | 248.5   | 245.6   | 242.6   | 239.7   | 236.7   | 232.3   | 227.9   | 222.0   | 216.1  |
| 70°   | 294.1   | 294.1   | 294.1   | 291.1   | 288.2   | 285.3   | 280.8   | 276.4   | 270.6   | 264.7   | 258.8  |
| 67.5° | 341.1   | 341.1   | 341.1   | 336.7   | 333.8   | 330.8   | 326.4   | 320.5   | 314.7   | 307.3   | 300.0  |
| 65°   | 379.4   | 379.4   | 377.9   | 376.4   | 373.5   | 369.1   | 366.1   | 360.2   | 354.4   | 348.5   | 341.1  |
| 62.5° | 414.6   | 414.6   | 413.2   | 411.7   | 408.8   | 404.4   | 399.9   | 395.5   | 389.7   | 382.3   | 374.9  |
| 60°   | 444.1   | 444.1   | 442.6   | 441.1   | 438.2   | 435.2   | 430.8   | 426.4   | 420.5   | 414.6   | 407.3  |
| 57.5° | 473.5   | 473.5   | 472.0   | 470.5   | 467.6   | 463.2   | 458.8   | 454.3   | 448.5   | 441.1   | 433.8  |
| 55°   | 504.3   | 504.3   | 502.9   | 499.9   | 497.0   | 492.6   | 488.2   | 482.3   | 474.9   | 467.6   | 460.2  |
| 52.5° | 541.1   | 541.1   | 538.2   | 535.2   | 530.8   | 526.4   | 519.0   | 511.7   | 502.9   | 494.1   | 485.2  |
| 50°   | 589.6   | 589.6   | 586.7   | 582.3   | 574.9   | 567.6   | 558.7   | 547.0   | 536.7   | 524.9   | 513.2  |
| 47.5° | 661.7   | 661.7   | 655.8   | 648.4   | 638.1   | 626.4   | 610.2   | 592.6   | 577.9   | 563.2   | 545.5  |
| 45°   | 767.5   | 767.5   | 758.7   | 747.0   | 730.8   | 710.2   | 686.7   | 661.7   | 636.7   | 611.7   | 586.7  |
| 42.5° | 939.6   | 939.6   | 923.4   | 902.8   | 874.9   | 839.6   | 795.5   | 754.3   | 719.0   | 679.3   | 645.5  |
| 40°   | 1236.6  | 1236.6  | 1205.7  | 1167.5  | 1114.6  | 1046.9  | 966.0   | 901.3   | 839.6   | 770.5   | 723.4  |
| 37.5° | 1764.5  | 1764.5  | 1704.2  | 1630.7  | 1527.7  | 1398.3  | 1242.5  | 1138.1  | 1023.4  | 914.6   | 835.2  |
| 35°   | 2696.7  | 2696.7  | 2580.5  | 2437.9  | 2239.4  | 1989.4  | 1723.3  | 1526.3  | 1307.2  | 1139.6  | 991.0  |
| 32.5° | 4225.9  | 4225.9  | 4017.1  | 3759.8  | 3405.4  | 2956.9  | 2530.5  | 2155.6  | 1764.5  | 1486.6  | 1219.0 |
| 30°   | 6043.3  | 6043.3  | 5769.8  | 5433.1  | 4971.4  | 4389.1  | 3781.8  | 3115.8  | 2498.2  | 2002.7  | 1598.3 |
| 27.5° | 7922.4  | 7844.5  | 7609.3  | 7225.5  | 6699.1  | 6043.3  | 5286.0  | 4425.9  | 3590.7  | 2717.3  | 2139.4 |
| 25°   | 9866.3  | 9775.1  | 9506.1  | 9064.9  | 8462.1  | 7719.5  | 6866.7  | 5905.1  | 4874.3  | 3833.3  | 2833.4 |
| 22.5° | 11830.7 | 11727.8 | 11422.0 | 10923.5 | 10247.1 | 9414.9  | 8448.8  | 7379.9  | 6228.6  | 5025.8  | 3833.3 |
| 20°   | 13646.7 | 13537.9 | 13217.3 | 12698.3 | 11998.4 | 11085.3 | 10011.9 | 8826.7  | 7553.4  | 6228.6  | 4874.3 |
| 17.5° | 15167.0 | 15062.7 | 14753.9 | 14258.3 | 13646.7 | 12636.5 | 11520.5 | 10217.7 | 8826.7  | 7379.9  | 5905.1 |
| 15°   | 16277.2 | 16187.5 | 15924.3 | 15508.2 | 14884.7 | 13990.7 | 12854.1 | 11520.5 | 10011.9 | 8448.8  | 6866.7 |
| 12.5° | 17013.9 | 16941.8 | 16734.5 | 16411.0 | 15852.2 | 15102.4 | 13990.7 | 12636.5 | 11085.3 | 9414.9  | 7719.5 |
| 10°   | 17297.6 | 17262.4 | 17165.3 | 17016.8 | 16540.4 | 15852.2 | 14884.7 | 13646.7 | 11998.4 | 10247.1 | 8462.1 |
| 7.5°  | 17222.7 | 17234.4 | 17268.2 | 17230.0 | 17016.8 | 16411.0 | 15508.2 | 14258.3 | 12698.3 | 10923.5 | 9064.9 |
| 5°    | 16955.0 | 17018.3 | 17175.6 | 17268.2 | 17165.3 | 16734.5 | 15924.3 | 14753.9 | 13217.3 | 11422.0 | 9506.1 |
| 2.5°  | 16716.8 | 16815.4 | 17018.3 | 17234.4 | 17262.4 | 16941.8 | 16187.5 | 15062.7 | 13537.9 | 11727.8 | 9775.1 |
| 0°    | 16599.2 | 16716.8 | 16955.0 | 17222.7 | 17297.6 | 17013.9 | 16277.2 | 15167.0 | 13646.7 | 11830.7 | 9866.3 |

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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° | 17.6   | 16.2   | 16.2   | 16.2   | 14.7   | 14.7   | 14.7  | 13.2  | 13.2  | 11.8  | 11.8  |
| 85°   | 41.2   | 39.7   | 38.2   | 36.8   | 35.3   | 33.8   | 32.3  | 30.9  | 29.4  | 26.5  | 25.0  |
| 82.5° | 66.2   | 64.7   | 63.2   | 60.3   | 58.8   | 55.9   | 52.9  | 50.0  | 47.1  | 45.6  | 42.6  |
| 80°   | 95.6   | 92.6   | 89.7   | 86.8   | 82.3   | 77.9   | 75.0  | 70.6  | 67.6  | 63.2  | 60.3  |
| 77.5° | 129.4  | 125.0  | 120.6  | 114.7  | 110.3  | 105.9  | 100.0 | 95.6  | 89.7  | 83.8  | 77.9  |
| 75°   | 167.6  | 161.7  | 154.4  | 148.5  | 142.6  | 135.3  | 127.9 | 120.6 | 113.2 | 105.9 | 98.5  |
| 72.5° | 208.8  | 201.4  | 194.1  | 186.7  | 177.9  | 167.6  | 158.8 | 148.5 | 139.7 | 130.9 | 120.6 |
| 70°   | 251.4  | 242.6  | 233.8  | 225.0  | 214.7  | 202.9  | 192.6 | 180.9 | 169.1 | 157.3 | 145.6 |
| 67.5° | 291.1  | 282.3  | 272.0  | 263.2  | 251.4  | 239.7  | 226.4 | 213.2 | 200.0 | 185.3 | 170.6 |
| 65°   | 332.3  | 322.0  | 310.3  | 298.5  | 286.7  | 273.5  | 260.3 | 247.0 | 230.9 | 214.7 | 200.0 |
| 62.5° | 366.1  | 357.3  | 347.0  | 335.2  | 322.0  | 307.3  | 294.1 | 276.4 | 260.3 | 244.1 | 225.0 |
| 60°   | 398.5  | 388.2  | 379.4  | 366.1  | 354.4  | 341.1  | 325.0 | 307.3 | 289.7 | 270.6 | 252.9 |
| 57.5° | 426.4  | 417.6  | 407.3  | 395.5  | 382.3  | 369.1  | 354.4 | 338.2 | 317.6 | 298.5 | 277.9 |
| 55°   | 451.4  | 441.1  | 430.8  | 420.5  | 408.8  | 394.1  | 379.4 | 363.2 | 345.5 | 325.0 | 302.9 |
| 52.5° | 476.4  | 466.1  | 454.3  | 444.1  | 430.8  | 417.6  | 402.9 | 386.7 | 369.1 | 350.0 | 326.4 |
| 50°   | 501.4  | 489.6  | 477.9  | 464.6  | 451.4  | 438.2  | 423.5 | 408.8 | 389.7 | 370.5 | 350.0 |
| 47.5° | 530.8  | 516.1  | 501.4  | 486.7  | 473.5  | 457.3  | 442.6 | 426.4 | 410.2 | 389.7 | 369.1 |
| 45°   | 567.6  | 545.5  | 527.9  | 510.2  | 494.1  | 477.9  | 460.2 | 444.1 | 426.4 | 408.8 | 386.7 |
| 42.5° | 613.2  | 583.7  | 560.2  | 536.7  | 516.1  | 497.0  | 479.3 | 460.2 | 442.6 | 423.5 | 402.9 |
| 40°   | 674.9  | 635.2  | 597.0  | 567.6  | 541.1  | 517.6  | 497.0 | 477.9 | 457.3 | 438.2 | 417.6 |
| 37.5° | 755.8  | 699.9  | 647.0  | 604.3  | 570.5  | 541.1  | 516.1 | 494.1 | 473.5 | 451.4 | 430.8 |
| 35°   | 877.8  | 780.8  | 713.1  | 651.4  | 604.3  | 567.6  | 536.7 | 510.2 | 486.7 | 464.6 | 444.1 |
| 32.5° | 1049.9 | 899.9  | 791.1  | 713.1  | 647.0  | 597.0  | 560.2 | 527.9 | 501.4 | 477.9 | 454.3 |
| 30°   | 1276.3 | 1069.0 | 899.9  | 780.8  | 699.9  | 635.2  | 583.7 | 545.5 | 516.1 | 489.6 | 466.1 |
| 27.5° | 1635.1 | 1276.3 | 1049.9 | 877.8  | 755.8  | 674.9  | 613.2 | 567.6 | 530.8 | 501.4 | 476.4 |
| 25°   | 2139.4 | 1598.3 | 1219.0 | 991.0  | 835.2  | 723.4  | 645.5 | 586.7 | 545.5 | 513.2 | 485.2 |
| 22.5° | 2717.3 | 2002.7 | 1486.6 | 1139.6 | 914.6  | 770.5  | 679.3 | 611.7 | 563.2 | 524.9 | 494.1 |
| 20°   | 3590.7 | 2498.2 | 1764.5 | 1307.2 | 1023.4 | 839.6  | 719.0 | 636.7 | 577.9 | 536.7 | 502.9 |
| 17.5° | 4425.9 | 3115.8 | 2155.6 | 1526.3 | 1138.1 | 901.3  | 754.3 | 661.7 | 592.6 | 547.0 | 511.7 |
| 15°   | 5286.0 | 3781.8 | 2530.5 | 1723.3 | 1242.5 | 966.0  | 795.5 | 686.7 | 610.2 | 558.7 | 519.0 |
| 12.5° | 6043.3 | 4389.1 | 2956.9 | 1989.4 | 1398.3 | 1046.9 | 839.6 | 710.2 | 626.4 | 567.6 | 526.4 |
| 10°   | 6699.1 | 4971.4 | 3405.4 | 2239.4 | 1527.7 | 1114.6 | 874.9 | 730.8 | 638.1 | 574.9 | 530.8 |
| 7.5°  | 7225.5 | 5433.1 | 3759.8 | 2437.9 | 1630.7 | 1167.5 | 902.8 | 747.0 | 648.4 | 582.3 | 535.2 |
| 5°    | 7609.3 | 5769.8 | 4017.1 | 2580.5 | 1704.2 | 1205.7 | 923.4 | 758.7 | 655.8 | 586.7 | 538.2 |
| 2.5°  | 7844.5 | 6043.3 | 4225.9 | 2696.7 | 1764.5 | 1236.6 | 939.6 | 767.5 | 661.7 | 589.6 | 541.1 |
| 0°    | 7922.4 | 6043.3 | 4225.9 | 2696.7 | 1764.5 | 1236.6 | 939.6 | 767.5 | 661.7 | 589.6 | 541.1 |



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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° | 10.3  | 10.3  | 8.8   | 8.8   | 7.4   | 7.4   | 5.9   | 5.9   | 4.4   | 4.4   | 2.9   |
| 85°   | 23.5  | 20.6  | 19.1  | 17.6  | 16.2  | 14.7  | 13.2  | 11.8  | 10.3  | 8.8   | 7.4   |
| 82.5° | 39.7  | 36.8  | 32.3  | 29.4  | 26.5  | 23.5  | 19.1  | 17.6  | 14.7  | 11.8  | 10.3  |
| 80°   | 55.9  | 51.5  | 47.1  | 42.6  | 38.2  | 33.8  | 29.4  | 25.0  | 20.6  | 16.2  | 13.2  |
| 77.5° | 72.0  | 66.2  | 61.8  | 55.9  | 50.0  | 44.1  | 38.2  | 32.3  | 26.5  | 20.6  | 16.2  |
| 75°   | 91.2  | 83.8  | 76.5  | 69.1  | 61.8  | 54.4  | 48.5  | 41.2  | 33.8  | 26.5  | 20.6  |
| 72.5° | 111.7 | 101.5 | 92.6  | 83.8  | 73.5  | 66.2  | 57.3  | 50.0  | 41.2  | 32.3  | 25.0  |
| 70°   | 133.8 | 122.0 | 110.3 | 98.5  | 88.2  | 76.5  | 67.6  | 57.3  | 48.5  | 38.2  | 29.4  |
| 67.5° | 155.9 | 142.6 | 129.4 | 114.7 | 101.5 | 89.7  | 76.5  | 66.2  | 54.4  | 44.1  | 33.8  |
| 65°   | 182.3 | 164.7 | 148.5 | 132.3 | 116.2 | 101.5 | 88.2  | 73.5  | 61.8  | 50.0  | 38.2  |
| 62.5° | 207.3 | 188.2 | 169.1 | 150.0 | 132.3 | 114.7 | 98.5  | 83.8  | 69.1  | 55.9  | 42.6  |
| 60°   | 232.3 | 211.7 | 189.7 | 169.1 | 148.5 | 129.4 | 110.3 | 92.6  | 76.5  | 61.8  | 47.1  |
| 57.5° | 257.3 | 233.8 | 211.7 | 188.2 | 164.7 | 142.6 | 122.0 | 101.5 | 83.8  | 66.2  | 51.5  |
| 55°   | 279.4 | 257.3 | 232.3 | 207.3 | 182.3 | 155.9 | 133.8 | 111.7 | 91.2  | 72.0  | 55.9  |
| 52.5° | 302.9 | 277.9 | 252.9 | 225.0 | 200.0 | 170.6 | 145.6 | 120.6 | 98.5  | 77.9  | 60.3  |
| 50°   | 325.0 | 298.5 | 270.6 | 244.1 | 214.7 | 185.3 | 157.3 | 130.9 | 105.9 | 83.8  | 63.2  |
| 47.5° | 345.5 | 317.6 | 289.7 | 260.3 | 230.9 | 200.0 | 169.1 | 139.7 | 113.2 | 89.7  | 67.6  |
| 45°   | 363.2 | 338.2 | 307.3 | 276.4 | 247.0 | 213.2 | 180.9 | 148.5 | 120.6 | 95.6  | 70.6  |
| 42.5° | 379.4 | 354.4 | 325.0 | 294.1 | 260.3 | 226.4 | 192.6 | 158.8 | 127.9 | 100.0 | 75.0  |
| 40°   | 394.1 | 369.1 | 341.1 | 307.3 | 273.5 | 239.7 | 202.9 | 167.6 | 135.3 | 105.9 | 77.9  |
| 37.5° | 408.8 | 382.3 | 354.4 | 322.0 | 286.7 | 251.4 | 214.7 | 177.9 | 142.6 | 110.3 | 82.3  |
| 35°   | 420.5 | 395.5 | 366.1 | 335.2 | 298.5 | 263.2 | 225.0 | 186.7 | 148.5 | 114.7 | 86.8  |
| 32.5° | 430.8 | 407.3 | 379.4 | 347.0 | 310.3 | 272.0 | 233.8 | 194.1 | 154.4 | 120.6 | 89.7  |
| 30°   | 441.1 | 417.6 | 388.2 | 357.3 | 322.0 | 282.3 | 242.6 | 201.4 | 161.7 | 125.0 | 92.6  |
| 27.5° | 451.4 | 426.4 | 398.5 | 366.1 | 332.3 | 291.1 | 251.4 | 208.8 | 167.6 | 129.4 | 95.6  |
| 25°   | 460.2 | 433.8 | 407.3 | 374.9 | 341.1 | 300.0 | 258.8 | 216.1 | 173.5 | 133.8 | 98.5  |
| 22.5° | 467.6 | 441.1 | 414.6 | 382.3 | 348.5 | 307.3 | 264.7 | 222.0 | 177.9 | 136.7 | 101.5 |
| 20°   | 474.9 | 448.5 | 420.5 | 389.7 | 354.4 | 314.7 | 270.6 | 227.9 | 182.3 | 139.7 | 102.9 |
| 17.5° | 482.3 | 454.3 | 426.4 | 395.5 | 360.2 | 320.5 | 276.4 | 232.3 | 186.7 | 142.6 | 105.9 |
| 15°   | 488.2 | 458.8 | 430.8 | 399.9 | 366.1 | 326.4 | 280.8 | 236.7 | 189.7 | 145.6 | 107.3 |
| 12.5° | 492.6 | 463.2 | 435.2 | 404.4 | 369.1 | 330.8 | 285.3 | 239.7 | 192.6 | 148.5 | 108.8 |
| 10°   | 497.0 | 467.6 | 438.2 | 408.8 | 373.5 | 333.8 | 288.2 | 242.6 | 195.6 | 150.0 | 110.3 |
| 7.5°  | 499.9 | 470.5 | 441.1 | 411.7 | 376.4 | 336.7 | 291.1 | 245.6 | 197.0 | 151.4 | 111.7 |
| 5°    | 502.9 | 472.0 | 442.6 | 413.2 | 377.9 | 341.1 | 294.1 | 248.5 | 200.0 | 152.9 | 111.7 |
| 2.5°  | 504.3 | 473.5 | 444.1 | 414.6 | 379.4 | 341.1 | 294.1 | 248.5 | 200.0 | 152.9 | 111.7 |
| 0°    | 504.3 | 473.5 | 444.1 | 414.6 | 379.4 | 341.1 | 294.1 | 248.5 | 200.0 | 152.9 | 111.7 |

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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   | 1.5  | 1.5   | 0.0 |
| 85°   | 4.4   | 2.9  | 1.5   | 0.0 |
| 82.5° | 7.4   | 4.4  | 2.9   | 0.0 |
| 80°   | 10.3  | 7.4  | 2.9   | 0.0 |
| 77.5° | 11.8  | 8.8  | 4.4   | 0.0 |
| 75°   | 14.7  | 10.3 | 4.4   | 0.0 |
| 72.5° | 17.6  | 11.8 | 5.9   | 0.0 |
| 70°   | 19.1  | 13.2 | 5.9   | 0.0 |
| 67.5° | 23.5  | 14.7 | 7.4   | 0.0 |
| 65°   | 26.5  | 16.2 | 7.4   | 0.0 |
| 62.5° | 29.4  | 17.6 | 8.8   | 0.0 |
| 60°   | 32.3  | 19.1 | 8.8   | 0.0 |
| 57.5° | 36.8  | 20.6 | 10.3  | 0.0 |
| 55°   | 39.7  | 23.5 | 10.3  | 0.0 |
| 52.5° | 42.6  | 25.0 | 11.8  | 0.0 |
| 50°   | 45.6  | 26.5 | 11.8  | 0.0 |
| 47.5° | 47.1  | 29.4 | 13.2  | 0.0 |
| 45°   | 50.0  | 30.9 | 13.2  | 0.0 |
| 42.5° | 52.9  | 32.3 | 14.7  | 0.0 |
| 40°   | 55.9  | 33.8 | 14.7  | 0.0 |
| 37.5° | 58.8  | 35.3 | 14.7  | 0.0 |
| 35°   | 60.3  | 36.8 | 16.2  | 0.0 |
| 32.5° | 63.2  | 38.2 | 16.2  | 0.0 |
| 30°   | 64.7  | 39.7 | 16.2  | 0.0 |
| 27.5° | 66.2  | 41.2 | 17.6  | 0.0 |
| 25°   | 67.6  | 41.2 | 17.6  | 0.0 |
| 22.5° | 69.1  | 42.6 | 17.6  | 0.0 |
| 20°   | 70.6  | 44.1 | 17.6  | 0.0 |
| 17.5° | 72.0  | 44.1 | 17.6  | 0.0 |
| 15°   | 73.5  | 45.6 | 19.1  | 0.0 |
| 12.5° | 75.0  | 45.6 | 19.1  | 0.0 |
| 10°   | 75.0  | 47.1 | 19.1  | 0.0 |
| 7.5°  | 76.5  | 47.1 | 19.1  | 0.0 |
| 5°    | 76.5  | 47.1 | 19.1  | 0.0 |
| 2.5°  | 76.5  | 47.1 | 19.1  | 0.0 |
| 0°    | 76.5  | 47.1 | 19.1  | 0.0 |

(END OF REPORT)