

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: P623565

Luminaire Tested: **IFLD-M-SA4A-722-U-55**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623565  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-722-U-55  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                   |                                      |                      |                 |
|-------------------|--------------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                                  | NEMA Type:           | 5H x 5V         |
| Luminaire Lumens: | 14183.6 lumens                       | Max Intensity:       | 17332.9 candela |
| Efficiency:       | N/A                                  | Max Intensity Angle: | 0°H x 10°V      |
| Efficacy:         | 110.3 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:      | 7049.6 lumens   | Field Lumens:      | 9168.2 lumens   |
| Beam Efficiency:  | 49.7%           | Field Efficiency:  | 64.6%           |

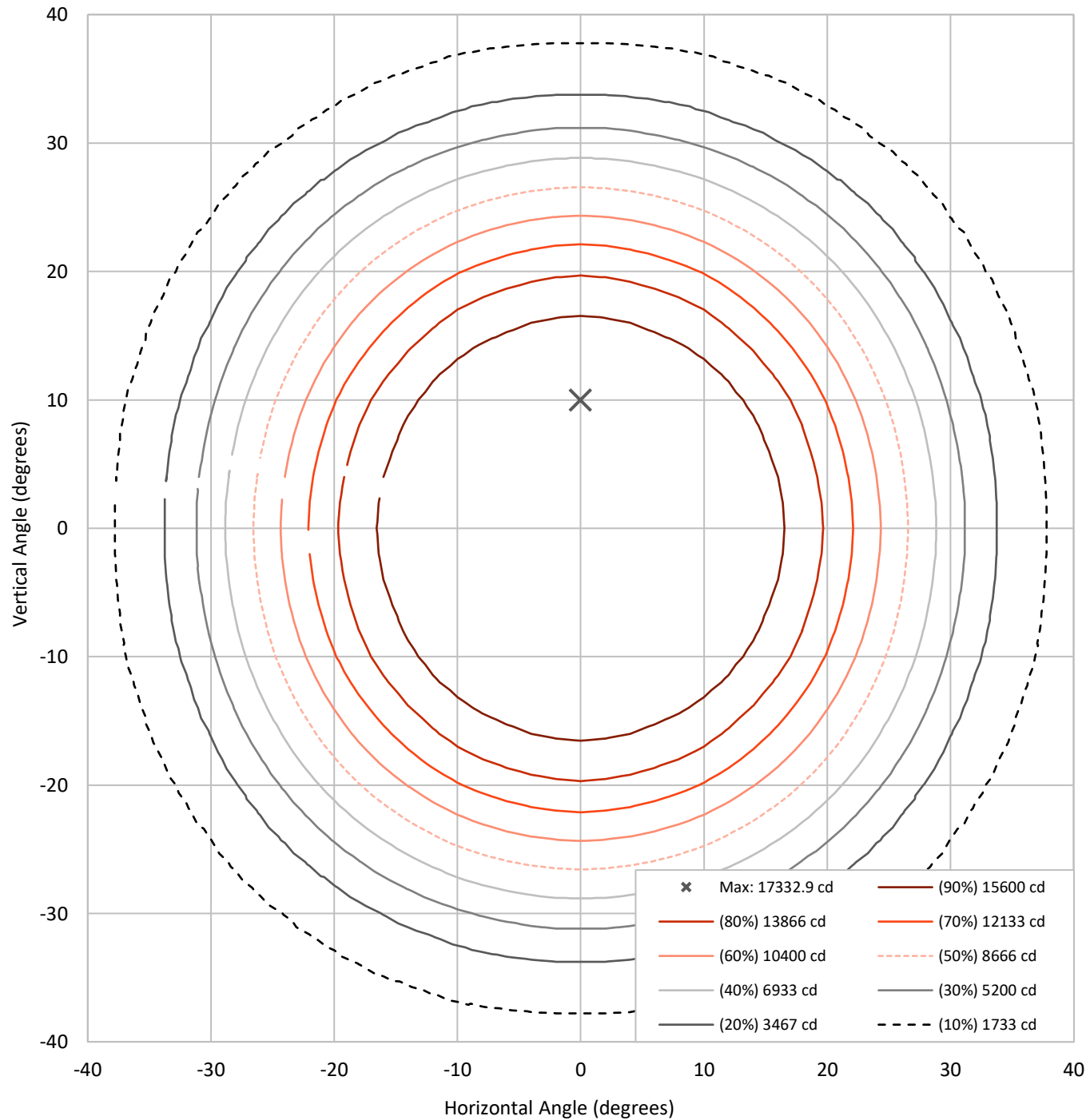
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT





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Iso-Candela Plot



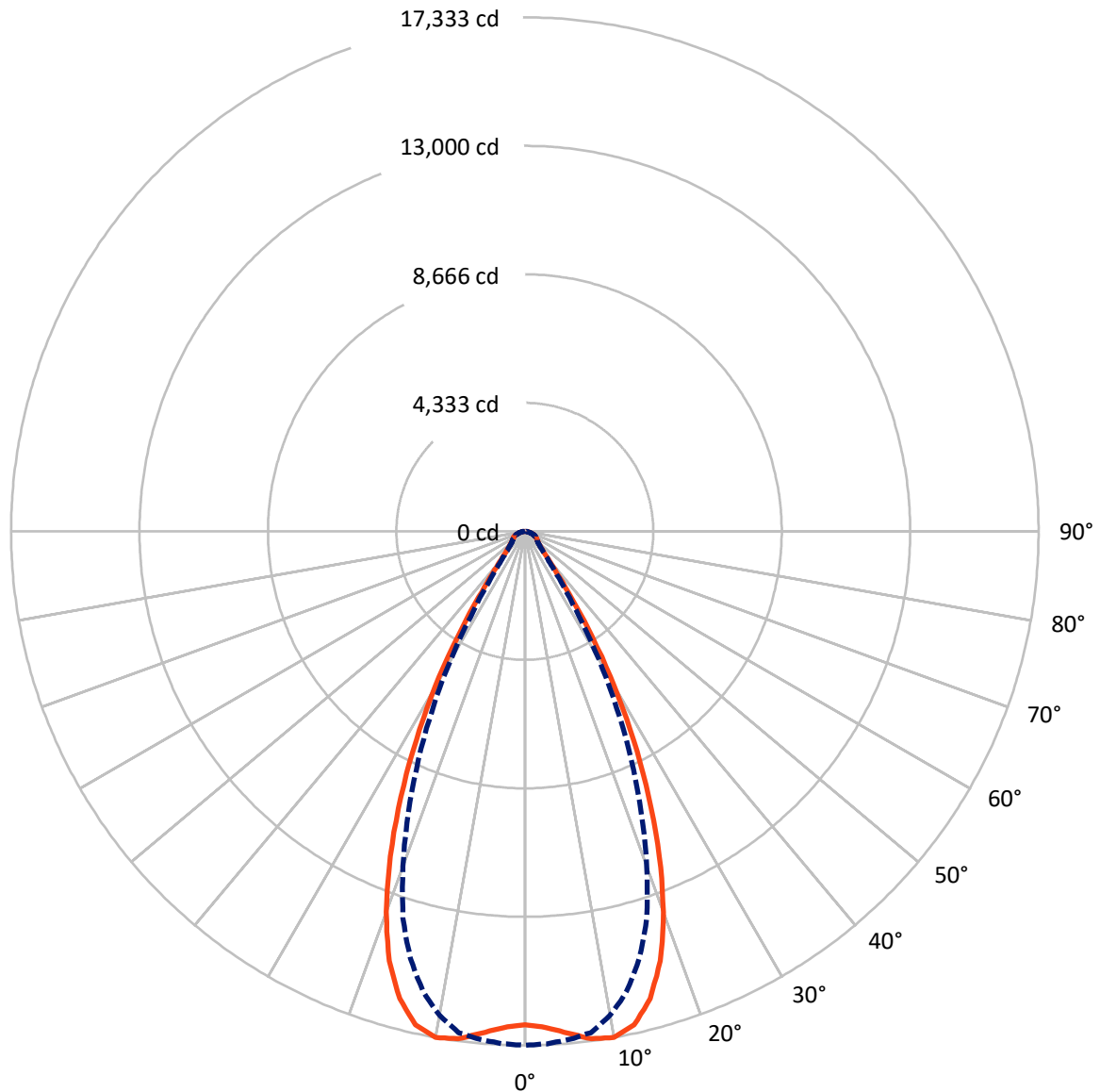
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## Lumen Table

|     |                            |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |     |    |    |
|-----|----------------------------|-----|-----|------|------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|----|----|
| 90  | 0.4                        |     | 3.1 |      | 8.1  |       | 13.1  |       | 15.2  |       | 13.1  |      | 8.1  |     | 3.1 |     | 0.4 |    |    |
| 80  |                            |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |     |    |    |
| 70  | 1.4                        | 1.5 | 3.2 | 5.3  | 7.4  | 9.3   | 10.6  | 11.4  | 11.4  | 10.6  | 9.3   | 7.4  | 5.3  | 3.2 | 1.5 | 1.4 |     |    |    |
| 60  |                            | 2.4 | 4.9 | 7.8  | 10.5 | 12.7  | 14.4  | 15.4  | 15.4  | 14.4  | 12.7  | 10.5 | 7.8  | 4.9 | 2.4 |     |     |    |    |
| 50  | 2.5                        | 3.2 | 6.3 | 9.6  | 12.8 | 16.6  | 21.0  | 24.4  | 24.4  | 21.0  | 16.6  | 12.8 | 9.6  | 6.3 | 3.2 | 2.5 |     |    |    |
| 40  |                            | 3.9 | 7.3 | 11.1 | 16.8 | 30.0  | 58.6  | 88.3  | 88.3  | 58.6  | 30.0  | 16.8 | 11.1 | 7.3 | 3.9 |     |     |    |    |
| 30  | 3.4                        | 4.4 | 8.1 | 13.0 | 27.2 | 86.7  | 200.8 | 285.0 | 285.0 | 200.8 | 86.7  | 27.2 | 13.0 | 8.1 | 4.4 | 3.4 |     |    |    |
| 20  |                            | 4.7 | 8.6 | 15.5 | 50.2 | 189.1 | 370.1 | 471.8 | 471.8 | 370.1 | 189.1 | 50.2 | 15.5 | 8.6 | 4.7 |     |     |    |    |
| 10  | 3.7                        | 4.9 | 8.9 | 17.5 | 73.7 | 260.6 | 457.8 | 519.2 | 519.2 | 457.8 | 260.6 | 73.7 | 17.5 | 8.9 | 4.9 | 3.7 |     |    |    |
| 0   |                            | 4.9 | 8.9 | 17.5 | 73.7 | 260.6 | 457.8 | 519.2 | 519.2 | 457.8 | 260.6 | 73.7 | 17.5 | 8.9 | 4.9 |     |     |    |    |
| -10 | 3.4                        | 4.7 | 8.6 | 15.5 | 50.2 | 189.1 | 370.1 | 471.8 | 471.8 | 370.1 | 189.1 | 50.2 | 15.5 | 8.6 | 4.7 | 3.4 |     |    |    |
| -20 |                            | 4.4 | 8.1 | 13.0 | 27.2 | 86.7  | 200.8 | 285.0 | 285.0 | 200.8 | 86.7  | 27.2 | 13.0 | 8.1 | 4.4 |     |     |    |    |
| -30 | 2.5                        | 3.9 | 7.3 | 11.1 | 16.8 | 30.0  | 58.6  | 88.3  | 88.3  | 58.6  | 30.0  | 16.8 | 11.1 | 7.3 | 3.9 | 2.5 |     |    |    |
| -40 |                            | 3.2 | 6.3 | 9.6  | 12.8 | 16.6  | 21.0  | 24.4  | 24.4  | 21.0  | 16.6  | 12.8 | 9.6  | 6.3 | 3.2 |     |     |    |    |
| -50 | 1.4                        | 2.4 | 4.9 | 7.8  | 10.5 | 12.7  | 14.4  | 15.4  | 15.4  | 14.4  | 12.7  | 10.5 | 7.8  | 4.9 | 2.4 | 1.4 |     |    |    |
| -60 |                            | 1.5 | 3.2 | 5.3  | 7.4  | 9.3   | 10.6  | 11.4  | 11.4  | 10.6  | 9.3   | 7.4  | 5.3  | 3.2 | 1.5 |     |     |    |    |
| -70 | 0.4                        |     | 3.1 |      | 8.1  |       | 13.1  |       | 15.2  |       | 13.1  |      | 8.1  |     | 3.1 |     | 0.4 |    |    |
| -80 |                            |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |     |    |    |
| -90 |                            |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |     |    |    |
|     | -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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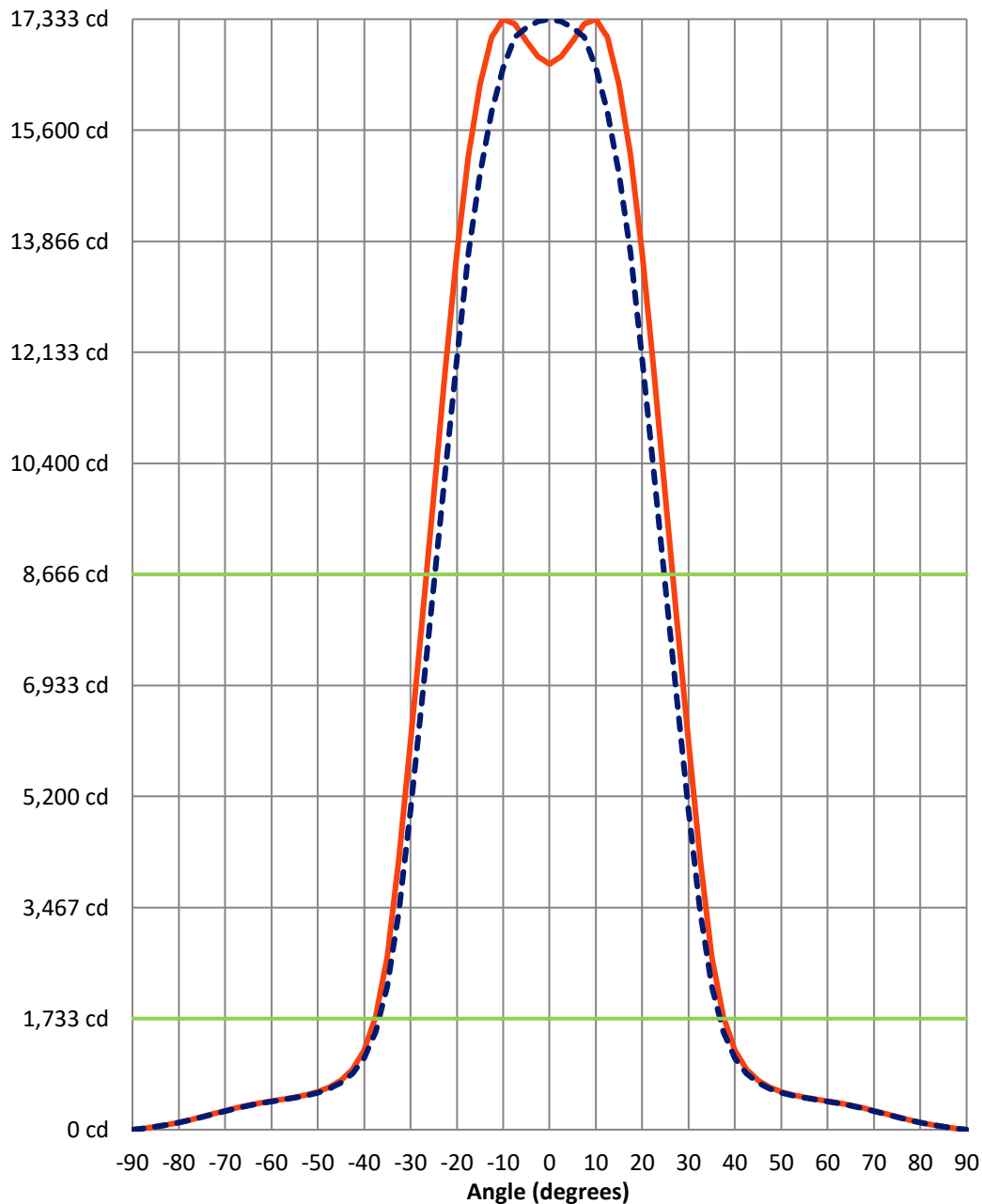
## Luminous Intensity Polar Plot



— 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: 7049.6  
Efficiency: 49.7%

### Field:

H Angle: 73.6°  
V Angle: 75.3°  
Lumens: 9168.2  
Efficiency: 64.6%

### Spill:

Lumens: 5015.4  
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° | 19.2    | 19.2    | 19.2    | 19.2    | 19.2    | 19.2    | 19.2    | 17.7    | 17.7    | 17.7    | 17.7   |
| 85°   | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 45.7    | 45.7    | 44.2    | 44.2    | 42.7    | 41.3   |
| 82.5° | 76.6    | 76.6    | 76.6    | 76.6    | 75.1    | 75.1    | 73.7    | 72.2    | 70.7    | 69.2    | 67.8   |
| 80°   | 112.0   | 112.0   | 112.0   | 112.0   | 110.5   | 109.0   | 107.6   | 106.1   | 103.1   | 101.7   | 98.7   |
| 77.5° | 153.2   | 153.2   | 153.2   | 151.8   | 150.3   | 148.8   | 145.9   | 142.9   | 140.0   | 137.0   | 134.1  |
| 75°   | 200.4   | 200.4   | 200.4   | 197.4   | 196.0   | 193.0   | 190.1   | 187.1   | 182.7   | 178.3   | 173.9  |
| 72.5° | 249.0   | 249.0   | 249.0   | 246.1   | 243.1   | 240.2   | 237.2   | 232.8   | 228.4   | 222.5   | 216.6  |
| 70°   | 294.7   | 294.7   | 294.7   | 291.7   | 288.8   | 285.8   | 281.4   | 277.0   | 271.1   | 265.2   | 259.3  |
| 67.5° | 341.8   | 341.8   | 341.8   | 337.4   | 334.5   | 331.5   | 327.1   | 321.2   | 315.3   | 307.9   | 300.6  |
| 65°   | 380.1   | 380.1   | 378.7   | 377.2   | 374.2   | 369.8   | 366.9   | 361.0   | 355.1   | 349.2   | 341.8  |
| 62.5° | 415.5   | 415.5   | 414.0   | 412.5   | 409.6   | 405.2   | 400.8   | 396.3   | 390.4   | 383.1   | 375.7  |
| 60°   | 445.0   | 445.0   | 443.5   | 442.0   | 439.1   | 436.1   | 431.7   | 427.3   | 421.4   | 415.5   | 408.1  |
| 57.5° | 474.4   | 474.4   | 473.0   | 471.5   | 468.5   | 464.1   | 459.7   | 455.3   | 449.4   | 442.0   | 434.6  |
| 55°   | 505.4   | 505.4   | 503.9   | 501.0   | 498.0   | 493.6   | 489.2   | 483.3   | 475.9   | 468.5   | 461.2  |
| 52.5° | 542.2   | 542.2   | 539.3   | 536.3   | 531.9   | 527.5   | 520.1   | 512.7   | 503.9   | 495.1   | 486.2  |
| 50°   | 590.8   | 590.8   | 587.9   | 583.5   | 576.1   | 568.7   | 559.9   | 548.1   | 537.8   | 526.0   | 514.2  |
| 47.5° | 663.0   | 663.0   | 657.1   | 649.8   | 639.5   | 627.7   | 611.5   | 593.8   | 579.0   | 564.3   | 546.6  |
| 45°   | 769.1   | 769.1   | 760.3   | 748.5   | 732.3   | 711.6   | 688.1   | 663.0   | 638.0   | 612.9   | 587.9  |
| 42.5° | 941.5   | 941.5   | 925.3   | 904.7   | 876.7   | 841.3   | 797.1   | 755.8   | 720.5   | 680.7   | 646.8  |
| 40°   | 1239.1  | 1239.1  | 1208.2  | 1169.9  | 1116.8  | 1049.1  | 968.0   | 903.2   | 841.3   | 772.1   | 724.9  |
| 37.5° | 1768.1  | 1768.1  | 1707.7  | 1634.0  | 1530.9  | 1401.2  | 1245.0  | 1140.4  | 1025.5  | 916.4   | 836.9  |
| 35°   | 2702.2  | 2702.2  | 2585.8  | 2442.9  | 2244.0  | 1993.5  | 1726.8  | 1529.4  | 1309.8  | 1141.9  | 993.1  |
| 32.5° | 4234.5  | 4234.5  | 4025.3  | 3767.5  | 3412.4  | 2963.0  | 2535.7  | 2160.0  | 1768.1  | 1489.6  | 1221.4 |
| 30°   | 6055.6  | 6055.6  | 5781.6  | 5444.2  | 4981.5  | 4398.1  | 3789.6  | 3122.1  | 2503.3  | 2006.8  | 1601.6 |
| 27.5° | 7938.6  | 7860.5  | 7624.8  | 7240.2  | 6712.8  | 6055.6  | 5296.8  | 4434.9  | 3598.0  | 2722.8  | 2143.8 |
| 25°   | 9886.4  | 9795.1  | 9525.5  | 9083.4  | 8479.3  | 7735.3  | 6880.7  | 5917.1  | 4884.3  | 3841.1  | 2839.2 |
| 22.5° | 11854.9 | 11751.7 | 11445.3 | 10945.8 | 10268.0 | 9434.1  | 8466.1  | 7394.9  | 6241.3  | 5036.0  | 3841.1 |
| 20°   | 13674.5 | 13565.5 | 13244.3 | 12724.2 | 12022.8 | 11107.9 | 10032.3 | 8844.7  | 7568.8  | 6241.3  | 4884.3 |
| 17.5° | 15198.0 | 15093.4 | 14784.0 | 14287.4 | 13674.5 | 12662.3 | 11544.0 | 10238.6 | 8844.7  | 7394.9  | 5917.1 |
| 15°   | 16310.4 | 16220.5 | 15956.8 | 15539.8 | 14915.1 | 14019.3 | 12880.4 | 11544.0 | 10032.3 | 8466.1  | 6880.7 |
| 12.5° | 17048.6 | 16976.4 | 16768.6 | 16444.5 | 15884.6 | 15133.2 | 14019.3 | 12662.3 | 11107.9 | 9434.1  | 7735.3 |
| 10°   | 17332.9 | 17297.6 | 17200.3 | 17051.5 | 16574.1 | 15884.6 | 14915.1 | 13674.5 | 12022.8 | 10268.0 | 8479.3 |
| 7.5°  | 17257.8 | 17269.6 | 17303.5 | 17265.2 | 17051.5 | 16444.5 | 15539.8 | 14287.4 | 12724.2 | 10945.8 | 9083.4 |
| 5°    | 16989.6 | 17053.0 | 17210.6 | 17303.5 | 17200.3 | 16768.6 | 15956.8 | 14784.0 | 13244.3 | 11445.3 | 9525.5 |
| 2.5°  | 16750.9 | 16849.7 | 17053.0 | 17269.6 | 17297.6 | 16976.4 | 16220.5 | 15093.4 | 13565.5 | 11751.7 | 9795.1 |
| 0°    | 16633.1 | 16750.9 | 16989.6 | 17257.8 | 17332.9 | 17048.6 | 16310.4 | 15198.0 | 13674.5 | 11854.9 | 9886.4 |

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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° | 17.7   | 16.2   | 16.2   | 16.2   | 14.7   | 14.7   | 14.7  | 13.3  | 13.3  | 11.8  | 11.8  |
| 85°   | 41.3   | 39.8   | 38.3   | 36.8   | 35.4   | 33.9   | 32.4  | 30.9  | 29.5  | 26.5  | 25.0  |
| 82.5° | 66.3   | 64.8   | 63.4   | 60.4   | 58.9   | 56.0   | 53.0  | 50.1  | 47.1  | 45.7  | 42.7  |
| 80°   | 95.8   | 92.8   | 89.9   | 86.9   | 82.5   | 78.1   | 75.1  | 70.7  | 67.8  | 63.4  | 60.4  |
| 77.5° | 129.7  | 125.2  | 120.8  | 114.9  | 110.5  | 106.1  | 100.2 | 95.8  | 89.9  | 84.0  | 78.1  |
| 75°   | 168.0  | 162.1  | 154.7  | 148.8  | 142.9  | 135.6  | 128.2 | 120.8 | 113.5 | 106.1 | 98.7  |
| 72.5° | 209.2  | 201.9  | 194.5  | 187.1  | 178.3  | 168.0  | 159.1 | 148.8 | 140.0 | 131.1 | 120.8 |
| 70°   | 251.9  | 243.1  | 234.3  | 225.4  | 215.1  | 203.3  | 193.0 | 181.2 | 169.4 | 157.7 | 145.9 |
| 67.5° | 291.7  | 282.9  | 272.6  | 263.7  | 251.9  | 240.2  | 226.9 | 213.6 | 200.4 | 185.6 | 170.9 |
| 65°   | 333.0  | 322.7  | 310.9  | 299.1  | 287.3  | 274.1  | 260.8 | 247.5 | 231.3 | 215.1 | 200.4 |
| 62.5° | 366.9  | 358.0  | 347.7  | 335.9  | 322.7  | 307.9  | 294.7 | 277.0 | 260.8 | 244.6 | 225.4 |
| 60°   | 399.3  | 389.0  | 380.1  | 366.9  | 355.1  | 341.8  | 325.6 | 307.9 | 290.3 | 271.1 | 253.4 |
| 57.5° | 427.3  | 418.4  | 408.1  | 396.3  | 383.1  | 369.8  | 355.1 | 338.9 | 318.3 | 299.1 | 278.5 |
| 55°   | 452.3  | 442.0  | 431.7  | 421.4  | 409.6  | 394.9  | 380.1 | 363.9 | 346.2 | 325.6 | 303.5 |
| 52.5° | 477.4  | 467.1  | 455.3  | 445.0  | 431.7  | 418.4  | 403.7 | 387.5 | 369.8 | 350.7 | 327.1 |
| 50°   | 502.4  | 490.6  | 478.9  | 465.6  | 452.3  | 439.1  | 424.3 | 409.6 | 390.4 | 371.3 | 350.7 |
| 47.5° | 531.9  | 517.2  | 502.4  | 487.7  | 474.4  | 458.2  | 443.5 | 427.3 | 411.1 | 390.4 | 369.8 |
| 45°   | 568.7  | 546.6  | 528.9  | 511.3  | 495.1  | 478.9  | 461.2 | 445.0 | 427.3 | 409.6 | 387.5 |
| 42.5° | 614.4  | 584.9  | 561.4  | 537.8  | 517.2  | 498.0  | 480.3 | 461.2 | 443.5 | 424.3 | 403.7 |
| 40°   | 676.3  | 636.5  | 598.2  | 568.7  | 542.2  | 518.6  | 498.0 | 478.9 | 458.2 | 439.1 | 418.4 |
| 37.5° | 757.3  | 701.3  | 648.3  | 605.6  | 571.7  | 542.2  | 517.2 | 495.1 | 474.4 | 452.3 | 431.7 |
| 35°   | 879.6  | 782.4  | 714.6  | 652.7  | 605.6  | 568.7  | 537.8 | 511.3 | 487.7 | 465.6 | 445.0 |
| 32.5° | 1052.0 | 901.7  | 792.7  | 714.6  | 648.3  | 598.2  | 561.4 | 528.9 | 502.4 | 478.9 | 455.3 |
| 30°   | 1278.9 | 1071.2 | 901.7  | 782.4  | 701.3  | 636.5  | 584.9 | 546.6 | 517.2 | 490.6 | 467.1 |
| 27.5° | 1638.4 | 1278.9 | 1052.0 | 879.6  | 757.3  | 676.3  | 614.4 | 568.7 | 531.9 | 502.4 | 477.4 |
| 25°   | 2143.8 | 1601.6 | 1221.4 | 993.1  | 836.9  | 724.9  | 646.8 | 587.9 | 546.6 | 514.2 | 486.2 |
| 22.5° | 2722.8 | 2006.8 | 1489.6 | 1141.9 | 916.4  | 772.1  | 680.7 | 612.9 | 564.3 | 526.0 | 495.1 |
| 20°   | 3598.0 | 2503.3 | 1768.1 | 1309.8 | 1025.5 | 841.3  | 720.5 | 638.0 | 579.0 | 537.8 | 503.9 |
| 17.5° | 4434.9 | 3122.1 | 2160.0 | 1529.4 | 1140.4 | 903.2  | 755.8 | 663.0 | 593.8 | 548.1 | 512.7 |
| 15°   | 5296.8 | 3789.6 | 2535.7 | 1726.8 | 1245.0 | 968.0  | 797.1 | 688.1 | 611.5 | 559.9 | 520.1 |
| 12.5° | 6055.6 | 4398.1 | 2963.0 | 1993.5 | 1401.2 | 1049.1 | 841.3 | 711.6 | 627.7 | 568.7 | 527.5 |
| 10°   | 6712.8 | 4981.5 | 3412.4 | 2244.0 | 1530.9 | 1116.8 | 876.7 | 732.3 | 639.5 | 576.1 | 531.9 |
| 7.5°  | 7240.2 | 5444.2 | 3767.5 | 2442.9 | 1634.0 | 1169.9 | 904.7 | 748.5 | 649.8 | 583.5 | 536.3 |
| 5°    | 7624.8 | 5781.6 | 4025.3 | 2585.8 | 1707.7 | 1208.2 | 925.3 | 760.3 | 657.1 | 587.9 | 539.3 |
| 2.5°  | 7860.5 | 6055.6 | 4234.5 | 2702.2 | 1768.1 | 1239.1 | 941.5 | 769.1 | 663.0 | 590.8 | 542.2 |
| 0°    | 7938.6 | 6055.6 | 4234.5 | 2702.2 | 1768.1 | 1239.1 | 941.5 | 769.1 | 663.0 | 590.8 | 542.2 |

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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° | 10.3  | 10.3  | 8.8   | 8.8   | 7.4   | 7.4   | 5.9   | 5.9   | 4.4   | 4.4   | 2.9   |
| 85°   | 23.6  | 20.6  | 19.2  | 17.7  | 16.2  | 14.7  | 13.3  | 11.8  | 10.3  | 8.8   | 7.4   |
| 82.5° | 39.8  | 36.8  | 32.4  | 29.5  | 26.5  | 23.6  | 19.2  | 17.7  | 14.7  | 11.8  | 10.3  |
| 80°   | 56.0  | 51.6  | 47.1  | 42.7  | 38.3  | 33.9  | 29.5  | 25.0  | 20.6  | 16.2  | 13.3  |
| 77.5° | 72.2  | 66.3  | 61.9  | 56.0  | 50.1  | 44.2  | 38.3  | 32.4  | 26.5  | 20.6  | 16.2  |
| 75°   | 91.4  | 84.0  | 76.6  | 69.2  | 61.9  | 54.5  | 48.6  | 41.3  | 33.9  | 26.5  | 20.6  |
| 72.5° | 112.0 | 101.7 | 92.8  | 84.0  | 73.7  | 66.3  | 57.5  | 50.1  | 41.3  | 32.4  | 25.0  |
| 70°   | 134.1 | 122.3 | 110.5 | 98.7  | 88.4  | 76.6  | 67.8  | 57.5  | 48.6  | 38.3  | 29.5  |
| 67.5° | 156.2 | 142.9 | 129.7 | 114.9 | 101.7 | 89.9  | 76.6  | 66.3  | 54.5  | 44.2  | 33.9  |
| 65°   | 182.7 | 165.0 | 148.8 | 132.6 | 116.4 | 101.7 | 88.4  | 73.7  | 61.9  | 50.1  | 38.3  |
| 62.5° | 207.7 | 188.6 | 169.4 | 150.3 | 132.6 | 114.9 | 98.7  | 84.0  | 69.2  | 56.0  | 42.7  |
| 60°   | 232.8 | 212.2 | 190.1 | 169.4 | 148.8 | 129.7 | 110.5 | 92.8  | 76.6  | 61.9  | 47.1  |
| 57.5° | 257.8 | 234.3 | 212.2 | 188.6 | 165.0 | 142.9 | 122.3 | 101.7 | 84.0  | 66.3  | 51.6  |
| 55°   | 279.9 | 257.8 | 232.8 | 207.7 | 182.7 | 156.2 | 134.1 | 112.0 | 91.4  | 72.2  | 56.0  |
| 52.5° | 303.5 | 278.5 | 253.4 | 225.4 | 200.4 | 170.9 | 145.9 | 120.8 | 98.7  | 78.1  | 60.4  |
| 50°   | 325.6 | 299.1 | 271.1 | 244.6 | 215.1 | 185.6 | 157.7 | 131.1 | 106.1 | 84.0  | 63.4  |
| 47.5° | 346.2 | 318.3 | 290.3 | 260.8 | 231.3 | 200.4 | 169.4 | 140.0 | 113.5 | 89.9  | 67.8  |
| 45°   | 363.9 | 338.9 | 307.9 | 277.0 | 247.5 | 213.6 | 181.2 | 148.8 | 120.8 | 95.8  | 70.7  |
| 42.5° | 380.1 | 355.1 | 325.6 | 294.7 | 260.8 | 226.9 | 193.0 | 159.1 | 128.2 | 100.2 | 75.1  |
| 40°   | 394.9 | 369.8 | 341.8 | 307.9 | 274.1 | 240.2 | 203.3 | 168.0 | 135.6 | 106.1 | 78.1  |
| 37.5° | 409.6 | 383.1 | 355.1 | 322.7 | 287.3 | 251.9 | 215.1 | 178.3 | 142.9 | 110.5 | 82.5  |
| 35°   | 421.4 | 396.3 | 366.9 | 335.9 | 299.1 | 263.7 | 225.4 | 187.1 | 148.8 | 114.9 | 86.9  |
| 32.5° | 431.7 | 408.1 | 380.1 | 347.7 | 310.9 | 272.6 | 234.3 | 194.5 | 154.7 | 120.8 | 89.9  |
| 30°   | 442.0 | 418.4 | 389.0 | 358.0 | 322.7 | 282.9 | 243.1 | 201.9 | 162.1 | 125.2 | 92.8  |
| 27.5° | 452.3 | 427.3 | 399.3 | 366.9 | 333.0 | 291.7 | 251.9 | 209.2 | 168.0 | 129.7 | 95.8  |
| 25°   | 461.2 | 434.6 | 408.1 | 375.7 | 341.8 | 300.6 | 259.3 | 216.6 | 173.9 | 134.1 | 98.7  |
| 22.5° | 468.5 | 442.0 | 415.5 | 383.1 | 349.2 | 307.9 | 265.2 | 222.5 | 178.3 | 137.0 | 101.7 |
| 20°   | 475.9 | 449.4 | 421.4 | 390.4 | 355.1 | 315.3 | 271.1 | 228.4 | 182.7 | 140.0 | 103.1 |
| 17.5° | 483.3 | 455.3 | 427.3 | 396.3 | 361.0 | 321.2 | 277.0 | 232.8 | 187.1 | 142.9 | 106.1 |
| 15°   | 489.2 | 459.7 | 431.7 | 400.8 | 366.9 | 327.1 | 281.4 | 237.2 | 190.1 | 145.9 | 107.6 |
| 12.5° | 493.6 | 464.1 | 436.1 | 405.2 | 369.8 | 331.5 | 285.8 | 240.2 | 193.0 | 148.8 | 109.0 |
| 10°   | 498.0 | 468.5 | 439.1 | 409.6 | 374.2 | 334.5 | 288.8 | 243.1 | 196.0 | 150.3 | 110.5 |
| 7.5°  | 501.0 | 471.5 | 442.0 | 412.5 | 377.2 | 337.4 | 291.7 | 246.1 | 197.4 | 151.8 | 112.0 |
| 5°    | 503.9 | 473.0 | 443.5 | 414.0 | 378.7 | 341.8 | 294.7 | 249.0 | 200.4 | 153.2 | 112.0 |
| 2.5°  | 505.4 | 474.4 | 445.0 | 415.5 | 380.1 | 341.8 | 294.7 | 249.0 | 200.4 | 153.2 | 112.0 |
| 0°    | 505.4 | 474.4 | 445.0 | 415.5 | 380.1 | 341.8 | 294.7 | 249.0 | 200.4 | 153.2 | 112.0 |

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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° | 17.7  | 11.8 | 5.9   | 0.0 |
| 70°   | 19.2  | 13.3 | 5.9   | 0.0 |
| 67.5° | 23.6  | 14.7 | 7.4   | 0.0 |
| 65°   | 26.5  | 16.2 | 7.4   | 0.0 |
| 62.5° | 29.5  | 17.7 | 8.8   | 0.0 |
| 60°   | 32.4  | 19.2 | 8.8   | 0.0 |
| 57.5° | 36.8  | 20.6 | 10.3  | 0.0 |
| 55°   | 39.8  | 23.6 | 10.3  | 0.0 |
| 52.5° | 42.7  | 25.0 | 11.8  | 0.0 |
| 50°   | 45.7  | 26.5 | 11.8  | 0.0 |
| 47.5° | 47.1  | 29.5 | 13.3  | 0.0 |
| 45°   | 50.1  | 30.9 | 13.3  | 0.0 |
| 42.5° | 53.0  | 32.4 | 14.7  | 0.0 |
| 40°   | 56.0  | 33.9 | 14.7  | 0.0 |
| 37.5° | 58.9  | 35.4 | 14.7  | 0.0 |
| 35°   | 60.4  | 36.8 | 16.2  | 0.0 |
| 32.5° | 63.4  | 38.3 | 16.2  | 0.0 |
| 30°   | 64.8  | 39.8 | 16.2  | 0.0 |
| 27.5° | 66.3  | 41.3 | 17.7  | 0.0 |
| 25°   | 67.8  | 41.3 | 17.7  | 0.0 |
| 22.5° | 69.2  | 42.7 | 17.7  | 0.0 |
| 20°   | 70.7  | 44.2 | 17.7  | 0.0 |
| 17.5° | 72.2  | 44.2 | 17.7  | 0.0 |
| 15°   | 73.7  | 45.7 | 19.2  | 0.0 |
| 12.5° | 75.1  | 45.7 | 19.2  | 0.0 |
| 10°   | 75.1  | 47.1 | 19.2  | 0.0 |
| 7.5°  | 76.6  | 47.1 | 19.2  | 0.0 |
| 5°    | 76.6  | 47.1 | 19.2  | 0.0 |
| 2.5°  | 76.6  | 47.1 | 19.2  | 0.0 |
| 0°    | 76.6  | 47.1 | 19.2  | 0.0 |

(END OF REPORT)