

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: P623758

Luminaire Tested: **IFLD-S-SA3A-827-U-55**

Issue Date: 11/2/2022

### Test Information

Test Method: LM-79-2019  
Report Number: P623758  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-827-U-55  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens  
Light Source: (48) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

|                   |                                        |                      |                 |
|-------------------|----------------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                                    | NEMA Type:           | 5H x 5V         |
| Luminaire Lumens: | 10545.5 lumens                         | Max Intensity:       | 12887.1 candela |
| Efficiency:       | N/A                                    | Max Intensity Angle: | 0°H x 10°V      |
| Efficacy:         | 111.2 lumens/watt                      |                      |                 |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |                      |                 |

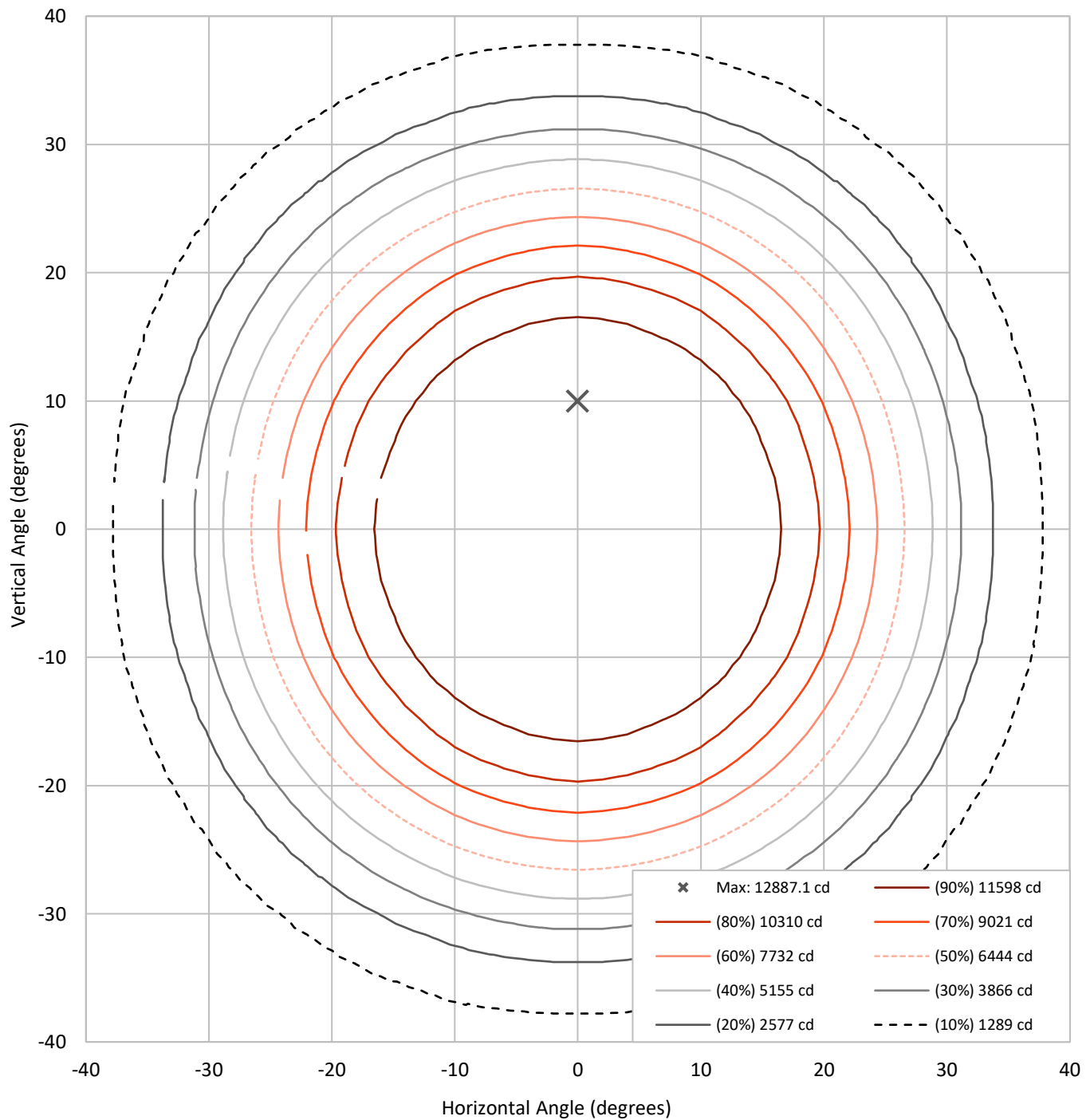
|                   |                 |                    |                 |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 49.5°H x 53.1°V | Field Angle (10%): | 73.6°H x 75.3°V |
| Beam Lumens:      | 5241.4 lumens   | Field Lumens:      | 6816.6 lumens   |
| Beam Efficiency:  | 49.7%           | Field Efficiency:  | 64.6%           |

Input Watts (W): 94.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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



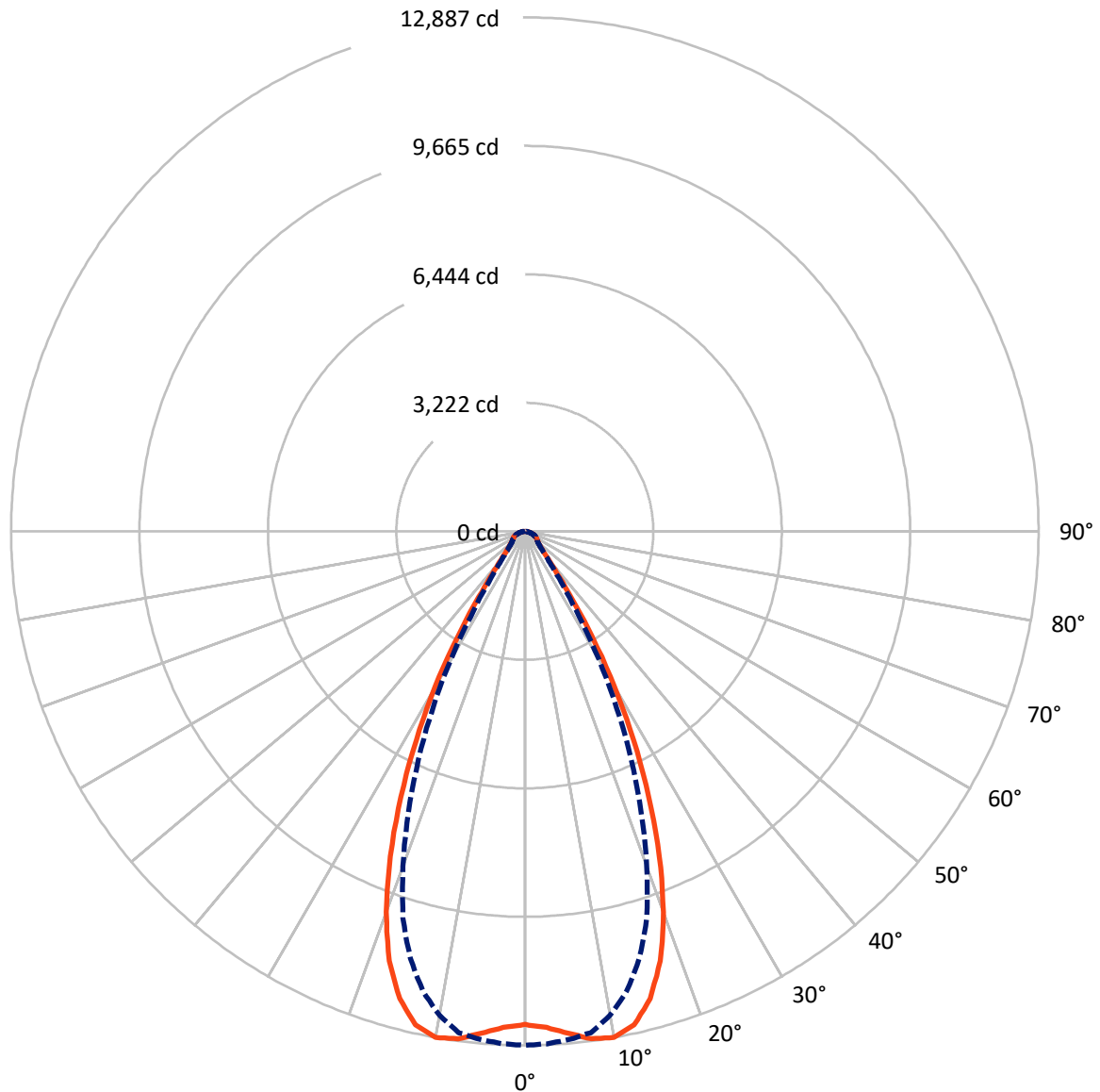
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## Lumen Table

|     |                            |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |     |    |    |
|-----|----------------------------|-----|-----|------|------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|----|----|
| 90  | 0.3                        |     | 2.3 |      | 6.0  |       | 9.7   |       | 11.3  |       | 9.7   |      | 6.0  |     | 2.3 |     | 0.3 |    |    |
| 80  |                            |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |     |    |    |
| 70  | 1.1                        | 1.1 | 2.4 | 3.9  | 5.5  | 6.9   | 7.9   | 8.4   | 8.4   | 7.9   | 6.9   | 5.5  | 3.9  | 2.4 | 1.1 | 1.1 |     |    |    |
| 60  |                            | 1.8 | 3.6 | 5.8  | 7.8  | 9.4   | 10.7  | 11.4  | 11.4  | 10.7  | 9.4   | 7.8  | 5.8  | 3.6 | 1.8 |     |     |    |    |
| 50  | 1.9                        | 2.4 | 4.7 | 7.1  | 9.5  | 12.4  | 15.6  | 18.2  | 18.2  | 15.6  | 12.4  | 9.5  | 7.1  | 4.7 | 2.4 | 1.9 |     |    |    |
| 40  |                            | 2.9 | 5.5 | 8.3  | 12.5 | 22.3  | 43.5  | 65.7  | 65.7  | 43.5  | 22.3  | 12.5 | 8.3  | 5.5 | 2.9 |     |     |    |    |
| 30  | 2.5                        | 3.3 | 6.0 | 9.7  | 20.2 | 64.4  | 149.3 | 211.9 | 211.9 | 149.3 | 64.4  | 20.2 | 9.7  | 6.0 | 3.3 | 2.5 |     |    |    |
| 20  |                            | 3.5 | 6.4 | 11.5 | 37.3 | 140.6 | 275.1 | 350.8 | 350.8 | 275.1 | 140.6 | 37.3 | 11.5 | 6.4 | 3.5 |     |     |    |    |
| 10  | 2.7                        | 3.6 | 6.6 | 13.0 | 54.8 | 193.7 | 340.4 | 386.0 | 386.0 | 340.4 | 193.7 | 54.8 | 13.0 | 6.6 | 3.6 | 2.7 |     |    |    |
| 0   |                            | 3.6 | 6.6 | 13.0 | 54.8 | 193.7 | 340.4 | 386.0 | 386.0 | 340.4 | 193.7 | 54.8 | 13.0 | 6.6 | 3.6 |     |     |    |    |
| -10 | 2.5                        | 3.5 | 6.4 | 11.5 | 37.3 | 140.6 | 275.1 | 350.8 | 350.8 | 275.1 | 140.6 | 37.3 | 11.5 | 6.4 | 3.5 | 2.5 |     |    |    |
| -20 |                            | 3.3 | 6.0 | 9.7  | 20.2 | 64.4  | 149.3 | 211.9 | 211.9 | 149.3 | 64.4  | 20.2 | 9.7  | 6.0 | 3.3 |     |     |    |    |
| -30 | 1.9                        | 2.9 | 5.5 | 8.3  | 12.5 | 22.3  | 43.5  | 65.7  | 65.7  | 43.5  | 22.3  | 12.5 | 8.3  | 5.5 | 2.9 | 1.9 |     |    |    |
| -40 |                            | 2.4 | 4.7 | 7.1  | 9.5  | 12.4  | 15.6  | 18.2  | 18.2  | 15.6  | 12.4  | 9.5  | 7.1  | 4.7 | 2.4 |     |     |    |    |
| -50 | 1.1                        | 1.8 | 3.6 | 5.8  | 7.8  | 9.4   | 10.7  | 11.4  | 11.4  | 10.7  | 9.4   | 7.8  | 5.8  | 3.6 | 1.8 | 1.1 |     |    |    |
| -60 |                            | 1.1 | 2.4 | 3.9  | 5.5  | 6.9   | 7.9   | 8.4   | 8.4   | 7.9   | 6.9   | 5.5  | 3.9  | 2.4 | 1.1 |     |     |    |    |
| -70 | 0.3                        |     | 2.3 |      | 6.0  |       | 9.7   |       | 11.3  |       | 9.7   |      | 6.0  |     | 2.3 |     | 0.3 |    |    |
| -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

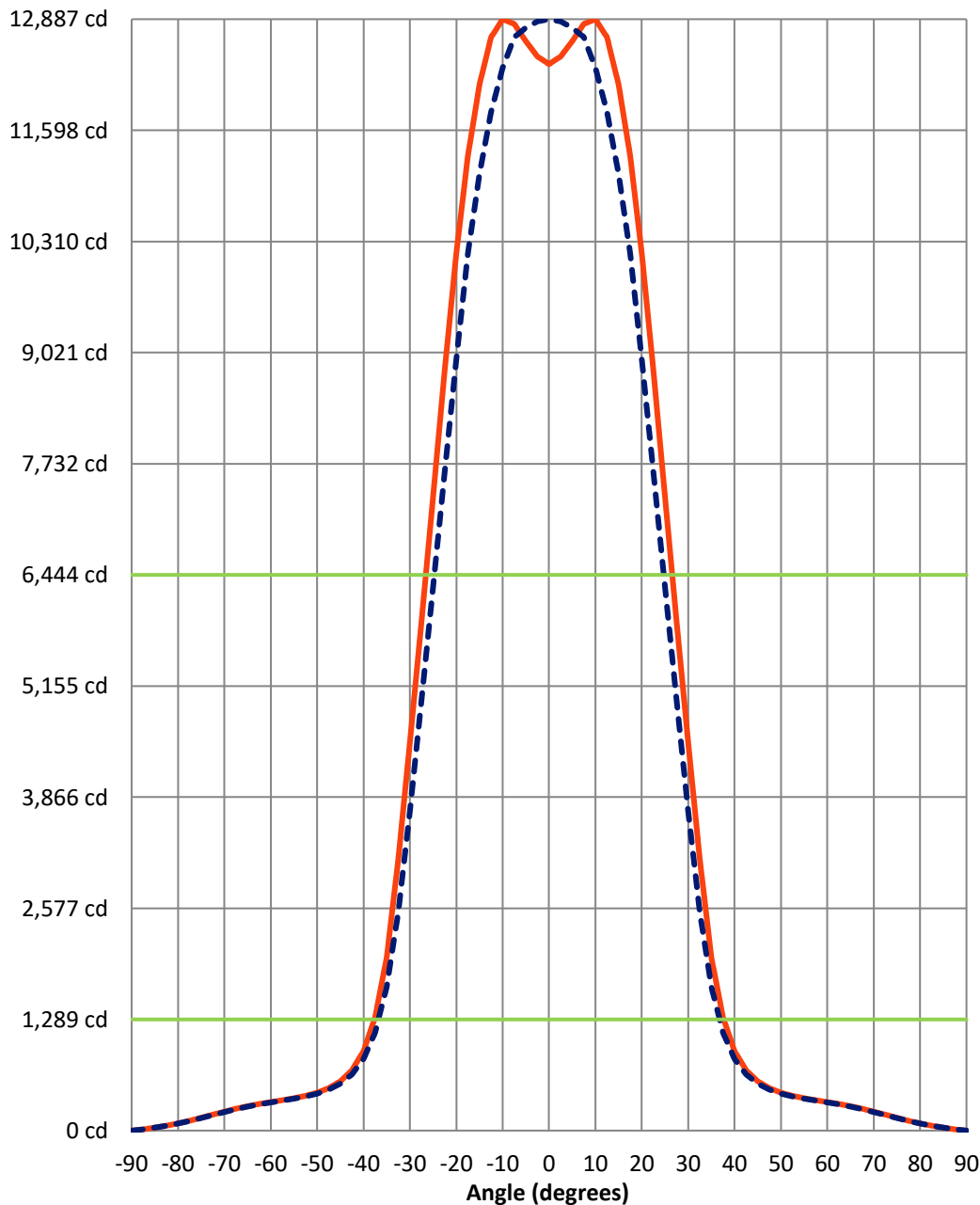


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 10-Deg

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## Luminous Intensity Plot



### Beam:

H Angle: 49.5°  
V Angle: 53.1°  
Lumens: 5241.4  
Efficiency: 49.7%

### Field:

H Angle: 73.6°  
V Angle: 75.3°  
Lumens: 6816.6  
Efficiency: 64.6%

### Spill:

Lumens: 3728.9  
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° | 14.2    | 14.2    | 14.2    | 14.2    | 14.2    | 14.2    | 14.2    | 13.1    | 13.1    | 13.1   | 13.1   |
| 85°   | 35.1    | 35.1    | 35.1    | 35.1    | 35.1    | 34.0    | 34.0    | 32.9    | 32.9    | 31.8   | 30.7   |
| 82.5° | 57.0    | 57.0    | 57.0    | 57.0    | 55.9    | 55.9    | 54.8    | 53.7    | 52.6    | 51.5   | 50.4   |
| 80°   | 83.3    | 83.3    | 83.3    | 83.3    | 82.2    | 81.1    | 80.0    | 78.9    | 76.7    | 75.6   | 73.4   |
| 77.5° | 113.9   | 113.9   | 113.9   | 112.8   | 111.7   | 110.6   | 108.5   | 106.3   | 104.1   | 101.9  | 99.7   |
| 75°   | 149.0   | 149.0   | 149.0   | 146.8   | 145.7   | 143.5   | 141.3   | 139.1   | 135.8   | 132.6  | 129.3  |
| 72.5° | 185.1   | 185.1   | 185.1   | 182.9   | 180.8   | 178.6   | 176.4   | 173.1   | 169.8   | 165.4  | 161.0  |
| 70°   | 219.1   | 219.1   | 219.1   | 216.9   | 214.7   | 212.5   | 209.2   | 205.9   | 201.6   | 197.2  | 192.8  |
| 67.5° | 254.1   | 254.1   | 254.1   | 250.9   | 248.7   | 246.5   | 243.2   | 238.8   | 234.4   | 229.0  | 223.5  |
| 65°   | 282.6   | 282.6   | 281.5   | 280.4   | 278.2   | 275.0   | 272.8   | 268.4   | 264.0   | 259.6  | 254.1  |
| 62.5° | 308.9   | 308.9   | 307.8   | 306.7   | 304.5   | 301.3   | 298.0   | 294.7   | 290.3   | 284.8  | 279.3  |
| 60°   | 330.8   | 330.8   | 329.7   | 328.6   | 326.4   | 324.3   | 321.0   | 317.7   | 313.3   | 308.9  | 303.4  |
| 57.5° | 352.7   | 352.7   | 351.6   | 350.5   | 348.4   | 345.1   | 341.8   | 338.5   | 334.1   | 328.6  | 323.2  |
| 55°   | 375.7   | 375.7   | 374.6   | 372.5   | 370.3   | 367.0   | 363.7   | 359.3   | 353.8   | 348.4  | 342.9  |
| 52.5° | 403.1   | 403.1   | 400.9   | 398.7   | 395.5   | 392.2   | 386.7   | 381.2   | 374.6   | 368.1  | 361.5  |
| 50°   | 439.3   | 439.3   | 437.1   | 433.8   | 428.3   | 422.8   | 416.3   | 407.5   | 399.8   | 391.1  | 382.3  |
| 47.5° | 493.0   | 493.0   | 488.6   | 483.1   | 475.4   | 466.7   | 454.6   | 441.5   | 430.5   | 419.6  | 406.4  |
| 45°   | 571.8   | 571.8   | 565.3   | 556.5   | 544.4   | 529.1   | 511.6   | 493.0   | 474.3   | 455.7  | 437.1  |
| 42.5° | 700.0   | 700.0   | 688.0   | 672.6   | 651.8   | 625.5   | 592.6   | 562.0   | 535.7   | 506.1  | 480.9  |
| 40°   | 921.3   | 921.3   | 898.3   | 869.8   | 830.4   | 780.0   | 719.7   | 671.5   | 625.5   | 574.0  | 539.0  |
| 37.5° | 1314.6  | 1314.6  | 1269.6  | 1214.9  | 1138.2  | 1041.8  | 925.7   | 847.9   | 762.4   | 681.4  | 622.2  |
| 35°   | 2009.1  | 2009.1  | 1922.5  | 1816.3  | 1668.4  | 1482.2  | 1283.9  | 1137.1  | 973.9   | 849.0  | 738.3  |
| 32.5° | 3148.4  | 3148.4  | 2992.8  | 2801.1  | 2537.1  | 2203.0  | 1885.3  | 1606.0  | 1314.6  | 1107.5 | 908.1  |
| 30°   | 4502.4  | 4502.4  | 4298.6  | 4047.7  | 3703.8  | 3270.0  | 2817.5  | 2321.3  | 1861.2  | 1492.0 | 1190.8 |
| 27.5° | 5902.4  | 5844.3  | 5669.0  | 5383.1  | 4990.9  | 4502.4  | 3938.2  | 3297.4  | 2675.1  | 2024.4 | 1593.9 |
| 25°   | 7350.6  | 7282.7  | 7082.2  | 6753.5  | 6304.4  | 5751.2  | 5115.8  | 4399.4  | 3631.5  | 2855.9 | 2111.0 |
| 22.5° | 8814.1  | 8737.4  | 8509.6  | 8138.2  | 7634.3  | 7014.3  | 6294.5  | 5498.1  | 4640.4  | 3744.3 | 2855.9 |
| 20°   | 10167.0 | 10086.0 | 9847.1  | 9460.4  | 8939.0  | 8258.7  | 7459.0  | 6576.1  | 5627.4  | 4640.4 | 3631.5 |
| 17.5° | 11299.7 | 11222.0 | 10991.9 | 10622.7 | 10167.0 | 9414.4  | 8583.0  | 7612.4  | 6576.1  | 5498.1 | 4399.4 |
| 15°   | 12126.8 | 12060.0 | 11863.9 | 11553.9 | 11089.4 | 10423.4 | 9576.6  | 8583.0  | 7459.0  | 6294.5 | 5115.8 |
| 12.5° | 12675.6 | 12622.0 | 12467.5 | 12226.5 | 11810.2 | 11251.5 | 10423.4 | 9414.4  | 8258.7  | 7014.3 | 5751.2 |
| 10°   | 12887.1 | 12860.8 | 12788.5 | 12677.8 | 12322.9 | 11810.2 | 11089.4 | 10167.0 | 8939.0  | 7634.3 | 6304.4 |
| 7.5°  | 12831.2 | 12840.0 | 12865.1 | 12836.7 | 12677.8 | 12226.5 | 11553.9 | 10622.7 | 9460.4  | 8138.2 | 6753.5 |
| 5°    | 12631.8 | 12678.9 | 12796.1 | 12865.1 | 12788.5 | 12467.5 | 11863.9 | 10991.9 | 9847.1  | 8509.6 | 7082.2 |
| 2.5°  | 12454.3 | 12527.7 | 12678.9 | 12840.0 | 12860.8 | 12622.0 | 12060.0 | 11222.0 | 10086.0 | 8737.4 | 7282.7 |
| 0°    | 12366.7 | 12454.3 | 12631.8 | 12831.2 | 12887.1 | 12675.6 | 12126.8 | 11299.7 | 10167.0 | 8814.1 | 7350.6 |

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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° | 13.1   | 12.1   | 12.1   | 12.1   | 11.0   | 11.0  | 11.0  | 9.9   | 9.9   | 8.8   | 8.8   |
| 85°   | 30.7   | 29.6   | 28.5   | 27.4   | 26.3   | 25.2  | 24.1  | 23.0  | 21.9  | 19.7  | 18.6  |
| 82.5° | 49.3   | 48.2   | 47.1   | 44.9   | 43.8   | 41.6  | 39.4  | 37.2  | 35.1  | 34.0  | 31.8  |
| 80°   | 71.2   | 69.0   | 66.8   | 64.6   | 61.3   | 58.1  | 55.9  | 52.6  | 50.4  | 47.1  | 44.9  |
| 77.5° | 96.4   | 93.1   | 89.8   | 85.4   | 82.2   | 78.9  | 74.5  | 71.2  | 66.8  | 62.4  | 58.1  |
| 75°   | 124.9  | 120.5  | 115.0  | 110.6  | 106.3  | 100.8 | 95.3  | 89.8  | 84.4  | 78.9  | 73.4  |
| 72.5° | 155.6  | 150.1  | 144.6  | 139.1  | 132.6  | 124.9 | 118.3 | 110.6 | 104.1 | 97.5  | 89.8  |
| 70°   | 187.3  | 180.8  | 174.2  | 167.6  | 159.9  | 151.2 | 143.5 | 134.7 | 126.0 | 117.2 | 108.5 |
| 67.5° | 216.9  | 210.3  | 202.7  | 196.1  | 187.3  | 178.6 | 168.7 | 158.8 | 149.0 | 138.0 | 127.1 |
| 65°   | 247.6  | 239.9  | 231.1  | 222.4  | 213.6  | 203.8 | 193.9 | 184.0 | 172.0 | 159.9 | 149.0 |
| 62.5° | 272.8  | 266.2  | 258.5  | 249.8  | 239.9  | 229.0 | 219.1 | 205.9 | 193.9 | 181.8 | 167.6 |
| 60°   | 296.9  | 289.2  | 282.6  | 272.8  | 264.0  | 254.1 | 242.1 | 229.0 | 215.8 | 201.6 | 188.4 |
| 57.5° | 317.7  | 311.1  | 303.4  | 294.7  | 284.8  | 275.0 | 264.0 | 252.0 | 236.6 | 222.4 | 207.0 |
| 55°   | 336.3  | 328.6  | 321.0  | 313.3  | 304.5  | 293.6 | 282.6 | 270.6 | 257.4 | 242.1 | 225.7 |
| 52.5° | 354.9  | 347.3  | 338.5  | 330.8  | 321.0  | 311.1 | 300.2 | 288.1 | 275.0 | 260.7 | 243.2 |
| 50°   | 373.6  | 364.8  | 356.0  | 346.2  | 336.3  | 326.4 | 315.5 | 304.5 | 290.3 | 276.1 | 260.7 |
| 47.5° | 395.5  | 384.5  | 373.6  | 362.6  | 352.7  | 340.7 | 329.7 | 317.7 | 305.6 | 290.3 | 275.0 |
| 45°   | 422.8  | 406.4  | 393.3  | 380.1  | 368.1  | 356.0 | 342.9 | 330.8 | 317.7 | 304.5 | 288.1 |
| 42.5° | 456.8  | 434.9  | 417.4  | 399.8  | 384.5  | 370.3 | 357.1 | 342.9 | 329.7 | 315.5 | 300.2 |
| 40°   | 502.8  | 473.2  | 444.8  | 422.8  | 403.1  | 385.6 | 370.3 | 356.0 | 340.7 | 326.4 | 311.1 |
| 37.5° | 563.1  | 521.4  | 482.0  | 450.2  | 425.0  | 403.1 | 384.5 | 368.1 | 352.7 | 336.3 | 321.0 |
| 35°   | 654.0  | 581.7  | 531.3  | 485.3  | 450.2  | 422.8 | 399.8 | 380.1 | 362.6 | 346.2 | 330.8 |
| 32.5° | 782.2  | 670.4  | 589.4  | 531.3  | 482.0  | 444.8 | 417.4 | 393.3 | 373.6 | 356.0 | 338.5 |
| 30°   | 950.9  | 796.4  | 670.4  | 581.7  | 521.4  | 473.2 | 434.9 | 406.4 | 384.5 | 364.8 | 347.3 |
| 27.5° | 1218.2 | 950.9  | 782.2  | 654.0  | 563.1  | 502.8 | 456.8 | 422.8 | 395.5 | 373.6 | 354.9 |
| 25°   | 1593.9 | 1190.8 | 908.1  | 738.3  | 622.2  | 539.0 | 480.9 | 437.1 | 406.4 | 382.3 | 361.5 |
| 22.5° | 2024.4 | 1492.0 | 1107.5 | 849.0  | 681.4  | 574.0 | 506.1 | 455.7 | 419.6 | 391.1 | 368.1 |
| 20°   | 2675.1 | 1861.2 | 1314.6 | 973.9  | 762.4  | 625.5 | 535.7 | 474.3 | 430.5 | 399.8 | 374.6 |
| 17.5° | 3297.4 | 2321.3 | 1606.0 | 1137.1 | 847.9  | 671.5 | 562.0 | 493.0 | 441.5 | 407.5 | 381.2 |
| 15°   | 3938.2 | 2817.5 | 1885.3 | 1283.9 | 925.7  | 719.7 | 592.6 | 511.6 | 454.6 | 416.3 | 386.7 |
| 12.5° | 4502.4 | 3270.0 | 2203.0 | 1482.2 | 1041.8 | 780.0 | 625.5 | 529.1 | 466.7 | 422.8 | 392.2 |
| 10°   | 4990.9 | 3703.8 | 2537.1 | 1668.4 | 1138.2 | 830.4 | 651.8 | 544.4 | 475.4 | 428.3 | 395.5 |
| 7.5°  | 5383.1 | 4047.7 | 2801.1 | 1816.3 | 1214.9 | 869.8 | 672.6 | 556.5 | 483.1 | 433.8 | 398.7 |
| 5°    | 5669.0 | 4298.6 | 2992.8 | 1922.5 | 1269.6 | 898.3 | 688.0 | 565.3 | 488.6 | 437.1 | 400.9 |
| 2.5°  | 5844.3 | 4502.4 | 3148.4 | 2009.1 | 1314.6 | 921.3 | 700.0 | 571.8 | 493.0 | 439.3 | 403.1 |
| 0°    | 5902.4 | 4502.4 | 3148.4 | 2009.1 | 1314.6 | 921.3 | 700.0 | 571.8 | 493.0 | 439.3 | 403.1 |

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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° | 7.7   | 7.7   | 6.6   | 6.6   | 5.5   | 5.5   | 4.4   | 4.4   | 3.3   | 3.3   | 2.2  |
| 85°   | 17.5  | 15.3  | 14.2  | 13.1  | 12.1  | 11.0  | 9.9   | 8.8   | 7.7   | 6.6   | 5.5  |
| 82.5° | 29.6  | 27.4  | 24.1  | 21.9  | 19.7  | 17.5  | 14.2  | 13.1  | 11.0  | 8.8   | 7.7  |
| 80°   | 41.6  | 38.3  | 35.1  | 31.8  | 28.5  | 25.2  | 21.9  | 18.6  | 15.3  | 12.1  | 9.9  |
| 77.5° | 53.7  | 49.3  | 46.0  | 41.6  | 37.2  | 32.9  | 28.5  | 24.1  | 19.7  | 15.3  | 12.1 |
| 75°   | 67.9  | 62.4  | 57.0  | 51.5  | 46.0  | 40.5  | 36.2  | 30.7  | 25.2  | 19.7  | 15.3 |
| 72.5° | 83.3  | 75.6  | 69.0  | 62.4  | 54.8  | 49.3  | 42.7  | 37.2  | 30.7  | 24.1  | 18.6 |
| 70°   | 99.7  | 90.9  | 82.2  | 73.4  | 65.7  | 57.0  | 50.4  | 42.7  | 36.2  | 28.5  | 21.9 |
| 67.5° | 116.1 | 106.3 | 96.4  | 85.4  | 75.6  | 66.8  | 57.0  | 49.3  | 40.5  | 32.9  | 25.2 |
| 65°   | 135.8 | 122.7 | 110.6 | 98.6  | 86.5  | 75.6  | 65.7  | 54.8  | 46.0  | 37.2  | 28.5 |
| 62.5° | 154.5 | 140.2 | 126.0 | 111.7 | 98.6  | 85.4  | 73.4  | 62.4  | 51.5  | 41.6  | 31.8 |
| 60°   | 173.1 | 157.7 | 141.3 | 126.0 | 110.6 | 96.4  | 82.2  | 69.0  | 57.0  | 46.0  | 35.1 |
| 57.5° | 191.7 | 174.2 | 157.7 | 140.2 | 122.7 | 106.3 | 90.9  | 75.6  | 62.4  | 49.3  | 38.3 |
| 55°   | 208.1 | 191.7 | 173.1 | 154.5 | 135.8 | 116.1 | 99.7  | 83.3  | 67.9  | 53.7  | 41.6 |
| 52.5° | 225.7 | 207.0 | 188.4 | 167.6 | 149.0 | 127.1 | 108.5 | 89.8  | 73.4  | 58.1  | 44.9 |
| 50°   | 242.1 | 222.4 | 201.6 | 181.8 | 159.9 | 138.0 | 117.2 | 97.5  | 78.9  | 62.4  | 47.1 |
| 47.5° | 257.4 | 236.6 | 215.8 | 193.9 | 172.0 | 149.0 | 126.0 | 104.1 | 84.4  | 66.8  | 50.4 |
| 45°   | 270.6 | 252.0 | 229.0 | 205.9 | 184.0 | 158.8 | 134.7 | 110.6 | 89.8  | 71.2  | 52.6 |
| 42.5° | 282.6 | 264.0 | 242.1 | 219.1 | 193.9 | 168.7 | 143.5 | 118.3 | 95.3  | 74.5  | 55.9 |
| 40°   | 293.6 | 275.0 | 254.1 | 229.0 | 203.8 | 178.6 | 151.2 | 124.9 | 100.8 | 78.9  | 58.1 |
| 37.5° | 304.5 | 284.8 | 264.0 | 239.9 | 213.6 | 187.3 | 159.9 | 132.6 | 106.3 | 82.2  | 61.3 |
| 35°   | 313.3 | 294.7 | 272.8 | 249.8 | 222.4 | 196.1 | 167.6 | 139.1 | 110.6 | 85.4  | 64.6 |
| 32.5° | 321.0 | 303.4 | 282.6 | 258.5 | 231.1 | 202.7 | 174.2 | 144.6 | 115.0 | 89.8  | 66.8 |
| 30°   | 328.6 | 311.1 | 289.2 | 266.2 | 239.9 | 210.3 | 180.8 | 150.1 | 120.5 | 93.1  | 69.0 |
| 27.5° | 336.3 | 317.7 | 296.9 | 272.8 | 247.6 | 216.9 | 187.3 | 155.6 | 124.9 | 96.4  | 71.2 |
| 25°   | 342.9 | 323.2 | 303.4 | 279.3 | 254.1 | 223.5 | 192.8 | 161.0 | 129.3 | 99.7  | 73.4 |
| 22.5° | 348.4 | 328.6 | 308.9 | 284.8 | 259.6 | 229.0 | 197.2 | 165.4 | 132.6 | 101.9 | 75.6 |
| 20°   | 353.8 | 334.1 | 313.3 | 290.3 | 264.0 | 234.4 | 201.6 | 169.8 | 135.8 | 104.1 | 76.7 |
| 17.5° | 359.3 | 338.5 | 317.7 | 294.7 | 268.4 | 238.8 | 205.9 | 173.1 | 139.1 | 106.3 | 78.9 |
| 15°   | 363.7 | 341.8 | 321.0 | 298.0 | 272.8 | 243.2 | 209.2 | 176.4 | 141.3 | 108.5 | 80.0 |
| 12.5° | 367.0 | 345.1 | 324.3 | 301.3 | 275.0 | 246.5 | 212.5 | 178.6 | 143.5 | 110.6 | 81.1 |
| 10°   | 370.3 | 348.4 | 326.4 | 304.5 | 278.2 | 248.7 | 214.7 | 180.8 | 145.7 | 111.7 | 82.2 |
| 7.5°  | 372.5 | 350.5 | 328.6 | 306.7 | 280.4 | 250.9 | 216.9 | 182.9 | 146.8 | 112.8 | 83.3 |
| 5°    | 374.6 | 351.6 | 329.7 | 307.8 | 281.5 | 254.1 | 219.1 | 185.1 | 149.0 | 113.9 | 83.3 |
| 2.5°  | 375.7 | 352.7 | 330.8 | 308.9 | 282.6 | 254.1 | 219.1 | 185.1 | 149.0 | 113.9 | 83.3 |
| 0°    | 375.7 | 352.7 | 330.8 | 308.9 | 282.6 | 254.1 | 219.1 | 185.1 | 149.0 | 113.9 | 83.3 |

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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°  | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90°   | 0.0   | 0.0  | 0.0   | 0.0 |
| 87.5° | 2.2   | 1.1  | 1.1   | 0.0 |
| 85°   | 3.3   | 2.2  | 1.1   | 0.0 |
| 82.5° | 5.5   | 3.3  | 2.2   | 0.0 |
| 80°   | 7.7   | 5.5  | 2.2   | 0.0 |
| 77.5° | 8.8   | 6.6  | 3.3   | 0.0 |
| 75°   | 11.0  | 7.7  | 3.3   | 0.0 |
| 72.5° | 13.1  | 8.8  | 4.4   | 0.0 |
| 70°   | 14.2  | 9.9  | 4.4   | 0.0 |
| 67.5° | 17.5  | 11.0 | 5.5   | 0.0 |
| 65°   | 19.7  | 12.1 | 5.5   | 0.0 |
| 62.5° | 21.9  | 13.1 | 6.6   | 0.0 |
| 60°   | 24.1  | 14.2 | 6.6   | 0.0 |
| 57.5° | 27.4  | 15.3 | 7.7   | 0.0 |
| 55°   | 29.6  | 17.5 | 7.7   | 0.0 |
| 52.5° | 31.8  | 18.6 | 8.8   | 0.0 |
| 50°   | 34.0  | 19.7 | 8.8   | 0.0 |
| 47.5° | 35.1  | 21.9 | 9.9   | 0.0 |
| 45°   | 37.2  | 23.0 | 9.9   | 0.0 |
| 42.5° | 39.4  | 24.1 | 11.0  | 0.0 |
| 40°   | 41.6  | 25.2 | 11.0  | 0.0 |
| 37.5° | 43.8  | 26.3 | 11.0  | 0.0 |
| 35°   | 44.9  | 27.4 | 12.1  | 0.0 |
| 32.5° | 47.1  | 28.5 | 12.1  | 0.0 |
| 30°   | 48.2  | 29.6 | 12.1  | 0.0 |
| 27.5° | 49.3  | 30.7 | 13.1  | 0.0 |
| 25°   | 50.4  | 30.7 | 13.1  | 0.0 |
| 22.5° | 51.5  | 31.8 | 13.1  | 0.0 |
| 20°   | 52.6  | 32.9 | 13.1  | 0.0 |
| 17.5° | 53.7  | 32.9 | 13.1  | 0.0 |
| 15°   | 54.8  | 34.0 | 14.2  | 0.0 |
| 12.5° | 55.9  | 34.0 | 14.2  | 0.0 |
| 10°   | 55.9  | 35.1 | 14.2  | 0.0 |
| 7.5°  | 57.0  | 35.1 | 14.2  | 0.0 |
| 5°    | 57.0  | 35.1 | 14.2  | 0.0 |
| 2.5°  | 57.0  | 35.1 | 14.2  | 0.0 |
| 0°    | 57.0  | 35.1 | 14.2  | 0.0 |

(END OF REPORT)