

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: P623551

Luminaire Tested: **IFLD-S-SA2B-722-U-55**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623551  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-722-U-55  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                   |                                      |                      |                 |
|-------------------|--------------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                                  | NEMA Type:           | 5H x 5V         |
| Luminaire Lumens: | 8769.2 lumens                        | Max Intensity:       | 10716.4 candela |
| Efficiency:       | N/A                                  | Max Intensity Angle: | 0°H x 10°V      |
| Efficacy:         | 106.4 lumens/watt                    |                      |                 |
| Luminous Opening: | Rectangular (W 1' 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:      | 4358.5 lumens   | Field Lumens:      | 5668.4 lumens   |
| Beam Efficiency:  | 49.7%           | Field Efficiency:  | 64.6%           |

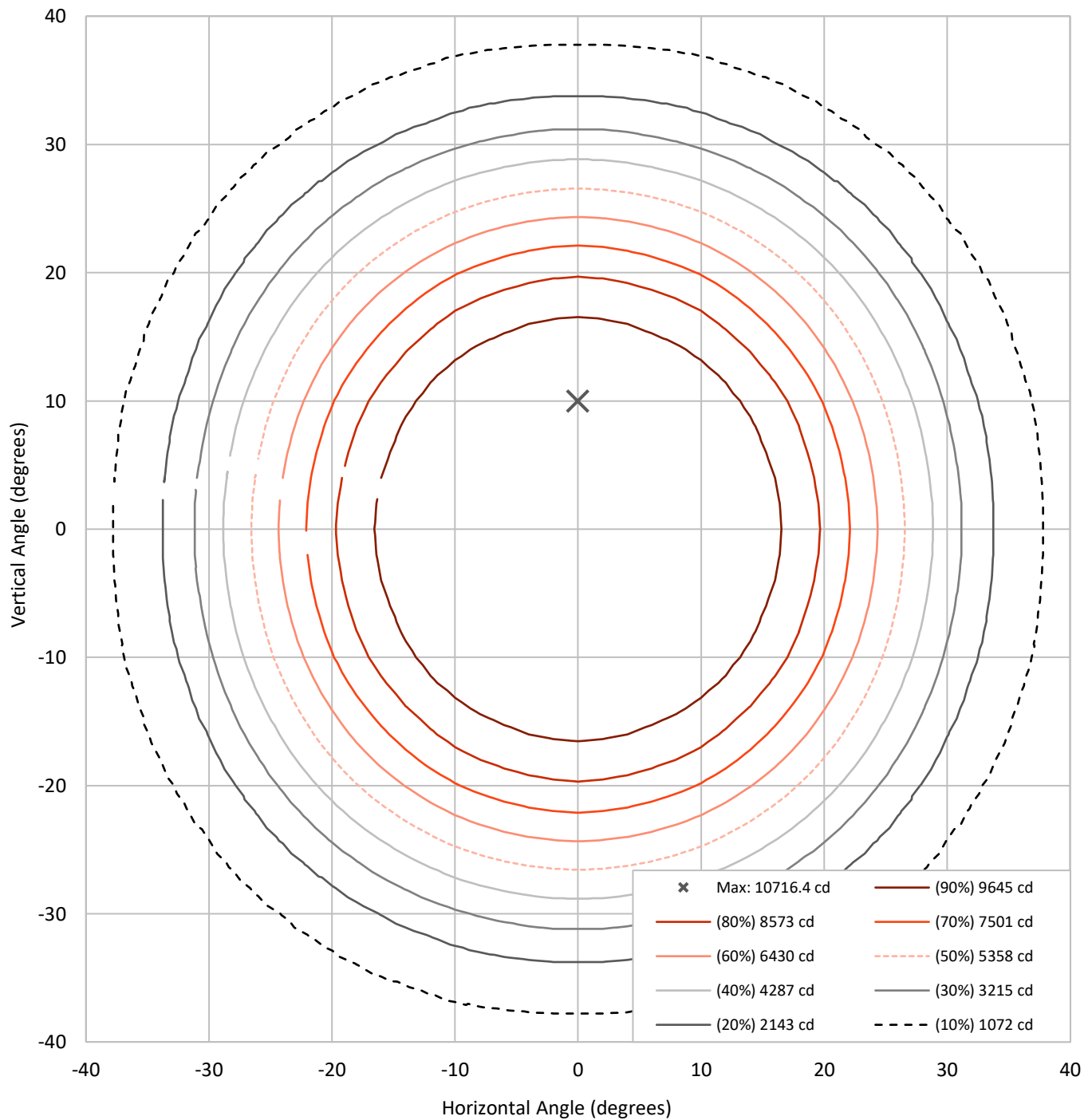
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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## Iso-Candela Plot



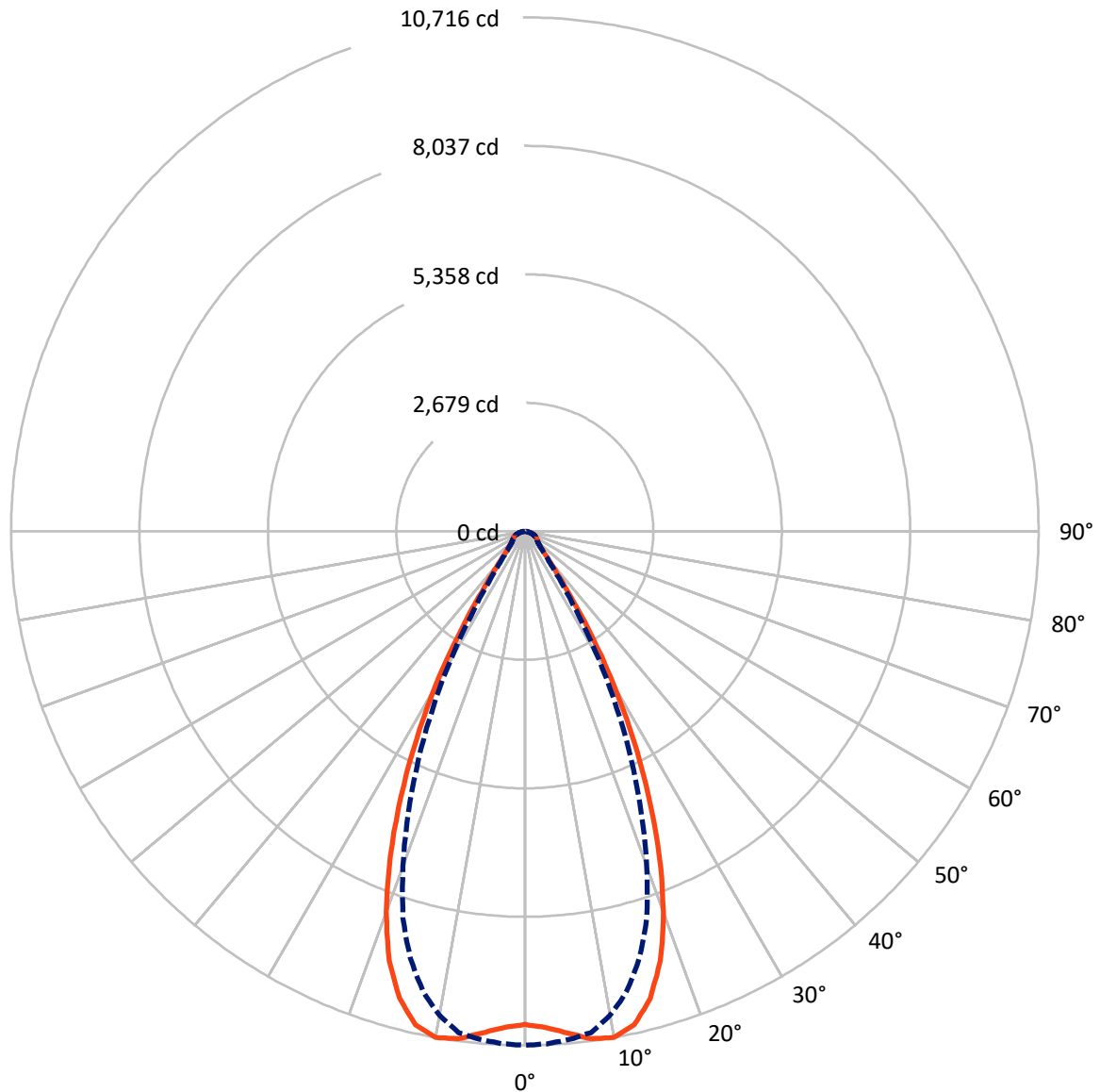
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## Lumen Table

|     |     |  |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |  |
|-----|-----|--|-----|-----|------|------|-------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|--|
| 90  |     |  |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |  |
| 80  | 0.3 |  | 1.9 |     | 5.0  |      | 8.1   |       | 9.4   |       | 8.1   |       | 5.0  |      | 1.9 |     | 0.3 |  |
| 70  | 0.9 |  | 1.0 | 2.0 | 3.3  | 4.6  | 5.7   | 6.6   | 7.0   | 7.0   | 6.6   | 5.7   | 4.6  | 3.3  | 2.0 | 1.0 | 0.9 |  |
| 60  |     |  | 1.5 | 3.0 | 4.8  | 6.5  | 7.9   | 8.9   | 9.5   | 9.5   | 8.9   | 7.9   | 6.5  | 4.8  | 3.0 | 1.5 |     |  |
| 50  | 1.6 |  | 2.0 | 3.9 | 5.9  | 7.9  | 10.3  | 13.0  | 15.1  | 15.1  | 13.0  | 10.3  | 7.9  | 5.9  | 3.9 | 2.0 | 1.6 |  |
| 40  |     |  | 2.4 | 4.5 | 6.9  | 10.4 | 18.5  | 36.2  | 54.6  | 54.6  | 36.2  | 18.5  | 10.4 | 6.9  | 4.5 | 2.4 |     |  |
| 30  | 2.1 |  | 2.7 | 5.0 | 8.0  | 16.8 | 53.6  | 124.2 | 176.2 | 176.2 | 124.2 | 53.6  | 16.8 | 8.0  | 5.0 | 2.7 | 2.1 |  |
| 20  |     |  | 2.9 | 5.3 | 9.6  | 31.0 | 116.9 | 228.8 | 291.7 | 291.7 | 228.8 | 116.9 | 31.0 | 9.6  | 5.3 | 2.9 |     |  |
| 10  | 2.3 |  | 3.0 | 5.5 | 10.8 | 45.5 | 161.1 | 283.1 | 321.0 | 321.0 | 283.1 | 161.1 | 45.5 | 10.8 | 5.5 | 3.0 | 2.3 |  |
| 0   |     |  | 3.0 | 5.5 | 10.8 | 45.5 | 161.1 | 283.1 | 321.0 | 321.0 | 283.1 | 161.1 | 45.5 | 10.8 | 5.5 | 3.0 |     |  |
| -10 | 2.1 |  | 2.9 | 5.3 | 9.6  | 31.0 | 116.9 | 228.8 | 291.7 | 291.7 | 228.8 | 116.9 | 31.0 | 9.6  | 5.3 | 2.9 | 2.1 |  |
| -20 |     |  | 2.7 | 5.0 | 8.0  | 16.8 | 53.6  | 124.2 | 176.2 | 176.2 | 124.2 | 53.6  | 16.8 | 8.0  | 5.0 | 2.7 |     |  |
| -30 | 1.6 |  | 2.4 | 4.5 | 6.9  | 10.4 | 18.5  | 36.2  | 54.6  | 54.6  | 36.2  | 18.5  | 10.4 | 6.9  | 4.5 | 2.4 | 1.6 |  |
| -40 |     |  | 2.0 | 3.9 | 5.9  | 7.9  | 10.3  | 13.0  | 15.1  | 15.1  | 13.0  | 10.3  | 7.9  | 5.9  | 3.9 | 2.0 |     |  |
| -50 | 0.9 |  | 1.5 | 3.0 | 4.8  | 6.5  | 7.9   | 8.9   | 9.5   | 9.5   | 8.9   | 7.9   | 6.5  | 4.8  | 3.0 | 1.5 | 0.9 |  |
| -60 |     |  | 1.0 | 2.0 | 3.3  | 4.6  | 5.7   | 6.6   | 7.0   | 7.0   | 6.6   | 5.7   | 4.6  | 3.3  | 2.0 | 1.0 |     |  |
| -70 |     |  |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |  |
| -80 | 0.3 |  | 1.9 |     | 5.0  |      | 8.1   |       | 9.4   |       | 8.1   |       | 5.0  |      | 1.9 |     | 0.3 |  |
| -90 |     |  |     |     |      |      |       |       |       |       |       |       |      |      |     |     |     |  |

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## Luminous Intensity Polar Plot

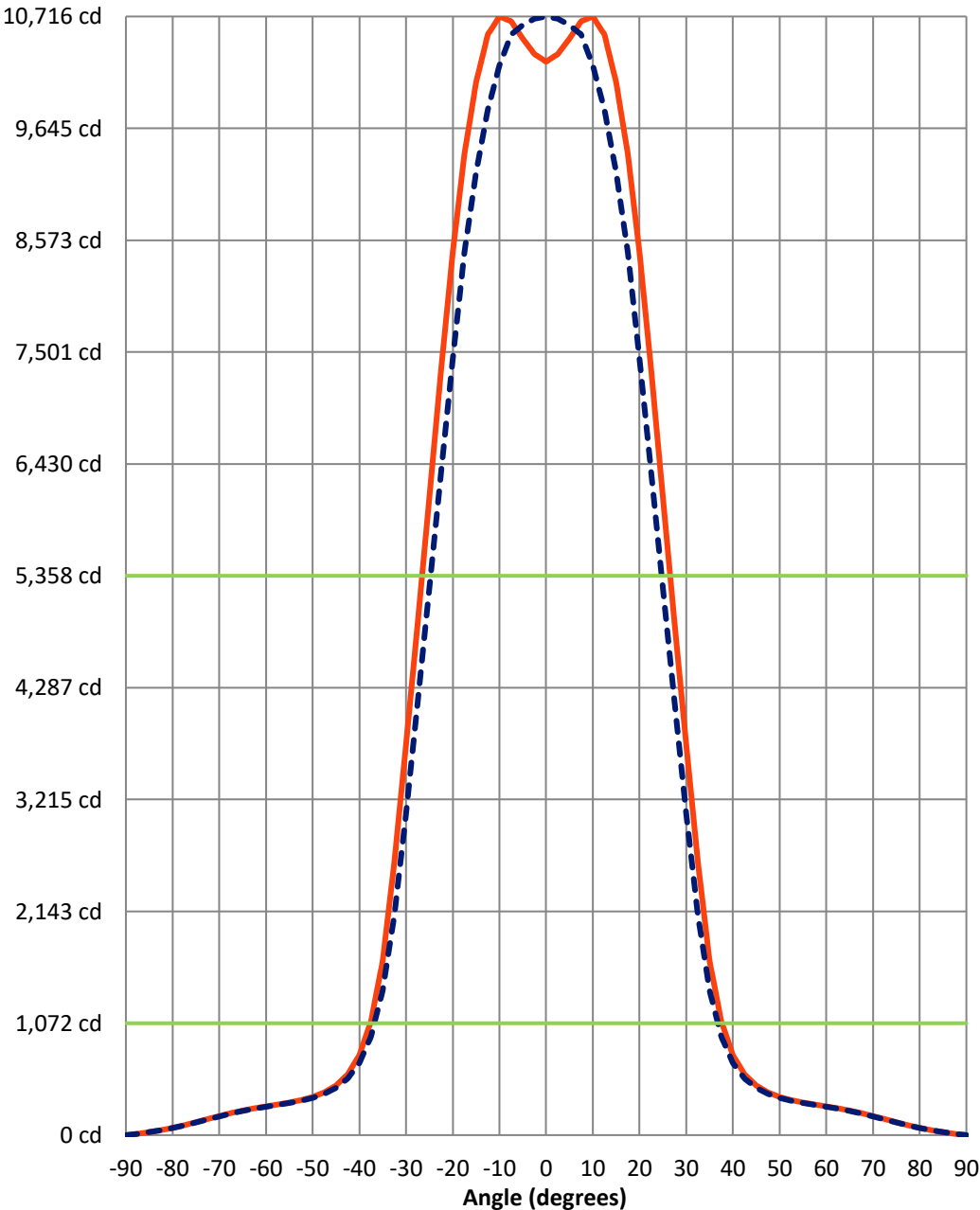


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 10-Deg



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Luminous Intensity Plot



**Beam:**  
H Angle: 49.5°  
V Angle: 53.1°  
Lumens: 4358.5  
Efficiency: 49.7%

**Field:**  
H Angle: 73.6°  
V Angle: 75.3°  
Lumens: 5668.4  
Efficiency: 64.6%

**Spill:**  
Lumens: 3100.8  
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° | 11.8    | 11.8    | 11.8    | 11.8    | 11.8    | 11.8    | 11.8    | 10.9   | 10.9   | 10.9   | 10.9   |
| 85°   | 29.2    | 29.2    | 29.2    | 29.2    | 29.2    | 28.2    | 28.2    | 27.3   | 27.3   | 26.4   | 25.5   |
| 82.5° | 47.4    | 47.4    | 47.4    | 47.4    | 46.5    | 46.5    | 45.5    | 44.6   | 43.7   | 42.8   | 41.9   |
| 80°   | 69.2    | 69.2    | 69.2    | 69.2    | 68.3    | 67.4    | 66.5    | 65.6   | 63.8   | 62.9   | 61.0   |
| 77.5° | 94.7    | 94.7    | 94.7    | 93.8    | 92.9    | 92.0    | 90.2    | 88.4   | 86.5   | 84.7   | 82.9   |
| 75°   | 123.9   | 123.9   | 123.9   | 122.1   | 121.2   | 119.3   | 117.5   | 115.7  | 113.0  | 110.2  | 107.5  |
| 72.5° | 154.0   | 154.0   | 154.0   | 152.1   | 150.3   | 148.5   | 146.7   | 143.9  | 141.2  | 137.6  | 133.9  |
| 70°   | 182.2   | 182.2   | 182.2   | 180.4   | 178.5   | 176.7   | 174.0   | 171.3  | 167.6  | 164.0  | 160.3  |
| 67.5° | 211.3   | 211.3   | 211.3   | 208.6   | 206.8   | 205.0   | 202.2   | 198.6  | 194.9  | 190.4  | 185.8  |
| 65°   | 235.0   | 235.0   | 234.1   | 233.2   | 231.4   | 228.6   | 226.8   | 223.2  | 219.5  | 215.9  | 211.3  |
| 62.5° | 256.9   | 256.9   | 256.0   | 255.1   | 253.2   | 250.5   | 247.8   | 245.0  | 241.4  | 236.8  | 232.3  |
| 60°   | 275.1   | 275.1   | 274.2   | 273.3   | 271.5   | 269.6   | 266.9   | 264.2  | 260.5  | 256.9  | 252.3  |
| 57.5° | 293.3   | 293.3   | 292.4   | 291.5   | 289.7   | 286.9   | 284.2   | 281.5  | 277.8  | 273.3  | 268.7  |
| 55°   | 312.5   | 312.5   | 311.5   | 309.7   | 307.9   | 305.2   | 302.4   | 298.8  | 294.2  | 289.7  | 285.1  |
| 52.5° | 335.2   | 335.2   | 333.4   | 331.6   | 328.9   | 326.1   | 321.6   | 317.0  | 311.5  | 306.1  | 300.6  |
| 50°   | 365.3   | 365.3   | 363.5   | 360.7   | 356.2   | 351.6   | 346.2   | 338.9  | 332.5  | 325.2  | 317.9  |
| 47.5° | 409.9   | 409.9   | 406.3   | 401.7   | 395.4   | 388.1   | 378.0   | 367.1  | 358.0  | 348.9  | 338.0  |
| 45°   | 475.5   | 475.5   | 470.0   | 462.8   | 452.7   | 440.0   | 425.4   | 409.9  | 394.4  | 379.0  | 363.5  |
| 42.5° | 582.1   | 582.1   | 572.1   | 559.3   | 542.0   | 520.2   | 492.8   | 467.3  | 445.5  | 420.9  | 399.9  |
| 40°   | 766.1   | 766.1   | 747.0   | 723.3   | 690.5   | 648.6   | 598.5   | 558.4  | 520.2  | 477.3  | 448.2  |
| 37.5° | 1093.1  | 1093.1  | 1055.8  | 1010.2  | 946.5   | 866.3   | 769.8   | 705.1  | 634.0  | 566.6  | 517.4  |
| 35°   | 1670.7  | 1670.7  | 1598.7  | 1510.4  | 1387.4  | 1232.5  | 1067.6  | 945.6  | 809.8  | 706.0  | 614.0  |
| 32.5° | 2618.1  | 2618.1  | 2488.7  | 2329.3  | 2109.8  | 1831.9  | 1567.7  | 1335.4 | 1093.1 | 921.0  | 755.2  |
| 30°   | 3744.0  | 3744.0  | 3574.6  | 3366.0  | 3079.9  | 2719.2  | 2343.0  | 1930.3 | 1547.7 | 1240.7 | 990.2  |
| 27.5° | 4908.2  | 4859.9  | 4714.2  | 4476.4  | 4150.3  | 3744.0  | 3274.9  | 2742.0 | 2224.5 | 1683.4 | 1325.4 |
| 25°   | 6112.5  | 6056.0  | 5889.3  | 5616.0  | 5242.5  | 4782.5  | 4254.1  | 3658.4 | 3019.8 | 2374.8 | 1755.4 |
| 22.5° | 7329.5  | 7265.7  | 7076.2  | 6767.4  | 6348.4  | 5832.8  | 5234.3  | 4572.0 | 3858.8 | 3113.6 | 2374.8 |
| 20°   | 8454.5  | 8387.1  | 8188.5  | 7866.9  | 7433.3  | 6867.6  | 6202.6  | 5468.4 | 4679.5 | 3858.8 | 3019.8 |
| 17.5° | 9396.4  | 9331.7  | 9140.4  | 8833.5  | 8454.5  | 7828.7  | 7137.3  | 6330.2 | 5468.4 | 4572.0 | 3658.4 |
| 15°   | 10084.2 | 10028.6 | 9865.6  | 9607.8  | 9221.5  | 8667.7  | 7963.5  | 7137.3 | 6202.6 | 5234.3 | 4254.1 |
| 12.5° | 10540.6 | 10495.9 | 10367.5 | 10167.1 | 9820.9  | 9356.3  | 8667.7  | 7828.7 | 6867.6 | 5832.8 | 4782.5 |
| 10°   | 10716.4 | 10694.5 | 10634.4 | 10542.4 | 10247.3 | 9820.9  | 9221.5  | 8454.5 | 7433.3 | 6348.4 | 5242.5 |
| 7.5°  | 10669.9 | 10677.2 | 10698.2 | 10674.5 | 10542.4 | 10167.1 | 9607.8  | 8833.5 | 7866.9 | 6767.4 | 5616.0 |
| 5°    | 10504.1 | 10543.3 | 10640.8 | 10698.2 | 10634.4 | 10367.5 | 9865.6  | 9140.4 | 8188.5 | 7076.2 | 5889.3 |
| 2.5°  | 10356.6 | 10417.6 | 10543.3 | 10677.2 | 10694.5 | 10495.9 | 10028.6 | 9331.7 | 8387.1 | 7265.7 | 6056.0 |
| 0°    | 10283.7 | 10356.6 | 10504.1 | 10669.9 | 10716.4 | 10540.6 | 10084.2 | 9396.4 | 8454.5 | 7329.5 | 6112.5 |

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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° | 10.9   | 10.0   | 10.0   | 10.0   | 9.1    | 9.1   | 9.1   | 8.2   | 8.2   | 7.3   | 7.3   |
| 85°   | 25.5   | 24.6   | 23.7   | 22.8   | 21.9   | 21.0  | 20.0  | 19.1  | 18.2  | 16.4  | 15.5  |
| 82.5° | 41.0   | 40.1   | 39.2   | 37.3   | 36.4   | 34.6  | 32.8  | 31.0  | 29.2  | 28.2  | 26.4  |
| 80°   | 59.2   | 57.4   | 55.6   | 53.7   | 51.0   | 48.3  | 46.5  | 43.7  | 41.9  | 39.2  | 37.3  |
| 77.5° | 80.2   | 77.4   | 74.7   | 71.1   | 68.3   | 65.6  | 61.9  | 59.2  | 55.6  | 51.9  | 48.3  |
| 75°   | 103.8  | 100.2  | 95.6   | 92.0   | 88.4   | 83.8  | 79.3  | 74.7  | 70.1  | 65.6  | 61.0  |
| 72.5° | 129.4  | 124.8  | 120.2  | 115.7  | 110.2  | 103.8 | 98.4  | 92.0  | 86.5  | 81.1  | 74.7  |
| 70°   | 155.8  | 150.3  | 144.8  | 139.4  | 133.0  | 125.7 | 119.3 | 112.0 | 104.8 | 97.5  | 90.2  |
| 67.5° | 180.4  | 174.9  | 168.5  | 163.1  | 155.8  | 148.5 | 140.3 | 132.1 | 123.9 | 114.8 | 105.7 |
| 65°   | 205.9  | 199.5  | 192.2  | 184.9  | 177.6  | 169.4 | 161.2 | 153.0 | 143.0 | 133.0 | 123.9 |
| 62.5° | 226.8  | 221.4  | 215.0  | 207.7  | 199.5  | 190.4 | 182.2 | 171.3 | 161.2 | 151.2 | 139.4 |
| 60°   | 246.9  | 240.5  | 235.0  | 226.8  | 219.5  | 211.3 | 201.3 | 190.4 | 179.5 | 167.6 | 156.7 |
| 57.5° | 264.2  | 258.7  | 252.3  | 245.0  | 236.8  | 228.6 | 219.5 | 209.5 | 196.8 | 184.9 | 172.2 |
| 55°   | 279.7  | 273.3  | 266.9  | 260.5  | 253.2  | 244.1 | 235.0 | 225.0 | 214.1 | 201.3 | 187.7 |
| 52.5° | 295.1  | 288.8  | 281.5  | 275.1  | 266.9  | 258.7 | 249.6 | 239.6 | 228.6 | 216.8 | 202.2 |
| 50°   | 310.6  | 303.3  | 296.1  | 287.9  | 279.7  | 271.5 | 262.4 | 253.2 | 241.4 | 229.6 | 216.8 |
| 47.5° | 328.9  | 319.7  | 310.6  | 301.5  | 293.3  | 283.3 | 274.2 | 264.2 | 254.2 | 241.4 | 228.6 |
| 45°   | 351.6  | 338.0  | 327.0  | 316.1  | 306.1  | 296.1 | 285.1 | 275.1 | 264.2 | 253.2 | 239.6 |
| 42.5° | 379.9  | 361.6  | 347.1  | 332.5  | 319.7  | 307.9 | 297.0 | 285.1 | 274.2 | 262.4 | 249.6 |
| 40°   | 418.1  | 393.5  | 369.8  | 351.6  | 335.2  | 320.7 | 307.9 | 296.1 | 283.3 | 271.5 | 258.7 |
| 37.5° | 468.2  | 433.6  | 400.8  | 374.4  | 353.4  | 335.2 | 319.7 | 306.1 | 293.3 | 279.7 | 266.9 |
| 35°   | 543.8  | 483.7  | 441.8  | 403.5  | 374.4  | 351.6 | 332.5 | 316.1 | 301.5 | 287.9 | 275.1 |
| 32.5° | 650.4  | 557.5  | 490.1  | 441.8  | 400.8  | 369.8 | 347.1 | 327.0 | 310.6 | 296.1 | 281.5 |
| 30°   | 790.7  | 662.3  | 557.5  | 483.7  | 433.6  | 393.5 | 361.6 | 338.0 | 319.7 | 303.3 | 288.8 |
| 27.5° | 1013.0 | 790.7  | 650.4  | 543.8  | 468.2  | 418.1 | 379.9 | 351.6 | 328.9 | 310.6 | 295.1 |
| 25°   | 1325.4 | 990.2  | 755.2  | 614.0  | 517.4  | 448.2 | 399.9 | 363.5 | 338.0 | 317.9 | 300.6 |
| 22.5° | 1683.4 | 1240.7 | 921.0  | 706.0  | 566.6  | 477.3 | 420.9 | 379.0 | 348.9 | 325.2 | 306.1 |
| 20°   | 2224.5 | 1547.7 | 1093.1 | 809.8  | 634.0  | 520.2 | 445.5 | 394.4 | 358.0 | 332.5 | 311.5 |
| 17.5° | 2742.0 | 1930.3 | 1335.4 | 945.6  | 705.1  | 558.4 | 467.3 | 409.9 | 367.1 | 338.9 | 317.0 |
| 15°   | 3274.9 | 2343.0 | 1567.7 | 1067.6 | 769.8  | 598.5 | 492.8 | 425.4 | 378.0 | 346.2 | 321.6 |
| 12.5° | 3744.0 | 2719.2 | 1831.9 | 1232.5 | 866.3  | 648.6 | 520.2 | 440.0 | 388.1 | 351.6 | 326.1 |
| 10°   | 4150.3 | 3079.9 | 2109.8 | 1387.4 | 946.5  | 690.5 | 542.0 | 452.7 | 395.4 | 356.2 | 328.9 |
| 7.5°  | 4476.4 | 3366.0 | 2329.3 | 1510.4 | 1010.2 | 723.3 | 559.3 | 462.8 | 401.7 | 360.7 | 331.6 |
| 5°    | 4714.2 | 3574.6 | 2488.7 | 1598.7 | 1055.8 | 747.0 | 572.1 | 470.0 | 406.3 | 363.5 | 333.4 |
| 2.5°  | 4859.9 | 3744.0 | 2618.1 | 1670.7 | 1093.1 | 766.1 | 582.1 | 475.5 | 409.9 | 365.3 | 335.2 |
| 0°    | 4908.2 | 3744.0 | 2618.1 | 1670.7 | 1093.1 | 766.1 | 582.1 | 475.5 | 409.9 | 365.3 | 335.2 |



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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° | 6.4   | 6.4   | 5.5   | 5.5   | 4.6   | 4.6   | 3.6   | 3.6   | 2.7   | 2.7   | 1.8  |
| 85°   | 14.6  | 12.8  | 11.8  | 10.9  | 10.0  | 9.1   | 8.2   | 7.3   | 6.4   | 5.5   | 4.6  |
| 82.5° | 24.6  | 22.8  | 20.0  | 18.2  | 16.4  | 14.6  | 11.8  | 10.9  | 9.1   | 7.3   | 6.4  |
| 80°   | 34.6  | 31.9  | 29.2  | 26.4  | 23.7  | 21.0  | 18.2  | 15.5  | 12.8  | 10.0  | 8.2  |
| 77.5° | 44.6  | 41.0  | 38.3  | 34.6  | 31.0  | 27.3  | 23.7  | 20.0  | 16.4  | 12.8  | 10.0 |
| 75°   | 56.5  | 51.9  | 47.4  | 42.8  | 38.3  | 33.7  | 30.1  | 25.5  | 21.0  | 16.4  | 12.8 |
| 72.5° | 69.2  | 62.9  | 57.4  | 51.9  | 45.5  | 41.0  | 35.5  | 31.0  | 25.5  | 20.0  | 15.5 |
| 70°   | 82.9  | 75.6  | 68.3  | 61.0  | 54.7  | 47.4  | 41.9  | 35.5  | 30.1  | 23.7  | 18.2 |
| 67.5° | 96.6  | 88.4  | 80.2  | 71.1  | 62.9  | 55.6  | 47.4  | 41.0  | 33.7  | 27.3  | 21.0 |
| 65°   | 113.0 | 102.0 | 92.0  | 82.0  | 72.0  | 62.9  | 54.7  | 45.5  | 38.3  | 31.0  | 23.7 |
| 62.5° | 128.4 | 116.6 | 104.8 | 92.9  | 82.0  | 71.1  | 61.0  | 51.9  | 42.8  | 34.6  | 26.4 |
| 60°   | 143.9 | 131.2 | 117.5 | 104.8 | 92.0  | 80.2  | 68.3  | 57.4  | 47.4  | 38.3  | 29.2 |
| 57.5° | 159.4 | 144.8 | 131.2 | 116.6 | 102.0 | 88.4  | 75.6  | 62.9  | 51.9  | 41.0  | 31.9 |
| 55°   | 173.1 | 159.4 | 143.9 | 128.4 | 113.0 | 96.6  | 82.9  | 69.2  | 56.5  | 44.6  | 34.6 |
| 52.5° | 187.7 | 172.2 | 156.7 | 139.4 | 123.9 | 105.7 | 90.2  | 74.7  | 61.0  | 48.3  | 37.3 |
| 50°   | 201.3 | 184.9 | 167.6 | 151.2 | 133.0 | 114.8 | 97.5  | 81.1  | 65.6  | 51.9  | 39.2 |
| 47.5° | 214.1 | 196.8 | 179.5 | 161.2 | 143.0 | 123.9 | 104.8 | 86.5  | 70.1  | 55.6  | 41.9 |
| 45°   | 225.0 | 209.5 | 190.4 | 171.3 | 153.0 | 132.1 | 112.0 | 92.0  | 74.7  | 59.2  | 43.7 |
| 42.5° | 235.0 | 219.5 | 201.3 | 182.2 | 161.2 | 140.3 | 119.3 | 98.4  | 79.3  | 61.9  | 46.5 |
| 40°   | 244.1 | 228.6 | 211.3 | 190.4 | 169.4 | 148.5 | 125.7 | 103.8 | 83.8  | 65.6  | 48.3 |
| 37.5° | 253.2 | 236.8 | 219.5 | 199.5 | 177.6 | 155.8 | 133.0 | 110.2 | 88.4  | 68.3  | 51.0 |
| 35°   | 260.5 | 245.0 | 226.8 | 207.7 | 184.9 | 163.1 | 139.4 | 115.7 | 92.0  | 71.1  | 53.7 |
| 32.5° | 266.9 | 252.3 | 235.0 | 215.0 | 192.2 | 168.5 | 144.8 | 120.2 | 95.6  | 74.7  | 55.6 |
| 30°   | 273.3 | 258.7 | 240.5 | 221.4 | 199.5 | 174.9 | 150.3 | 124.8 | 100.2 | 77.4  | 57.4 |
| 27.5° | 279.7 | 264.2 | 246.9 | 226.8 | 205.9 | 180.4 | 155.8 | 129.4 | 103.8 | 80.2  | 59.2 |
| 25°   | 285.1 | 268.7 | 252.3 | 232.3 | 211.3 | 185.8 | 160.3 | 133.9 | 107.5 | 82.9  | 61.0 |
| 22.5° | 289.7 | 273.3 | 256.9 | 236.8 | 215.9 | 190.4 | 164.0 | 137.6 | 110.2 | 84.7  | 62.9 |
| 20°   | 294.2 | 277.8 | 260.5 | 241.4 | 219.5 | 194.9 | 167.6 | 141.2 | 113.0 | 86.5  | 63.8 |
| 17.5° | 298.8 | 281.5 | 264.2 | 245.0 | 223.2 | 198.6 | 171.3 | 143.9 | 115.7 | 88.4  | 65.6 |
| 15°   | 302.4 | 284.2 | 266.9 | 247.8 | 226.8 | 202.2 | 174.0 | 146.7 | 117.5 | 90.2  | 66.5 |
| 12.5° | 305.2 | 286.9 | 269.6 | 250.5 | 228.6 | 205.0 | 176.7 | 148.5 | 119.3 | 92.0  | 67.4 |
| 10°   | 307.9 | 289.7 | 271.5 | 253.2 | 231.4 | 206.8 | 178.5 | 150.3 | 121.2 | 92.9  | 68.3 |
| 7.5°  | 309.7 | 291.5 | 273.3 | 255.1 | 233.2 | 208.6 | 180.4 | 152.1 | 122.1 | 93.8  | 69.2 |
| 5°    | 311.5 | 292.4 | 274.2 | 256.0 | 234.1 | 211.3 | 182.2 | 154.0 | 123.9 | 94.7  | 69.2 |
| 2.5°  | 312.5 | 293.3 | 275.1 | 256.9 | 235.0 | 211.3 | 182.2 | 154.0 | 123.9 | 94.7  | 69.2 |
| 0°    | 312.5 | 293.3 | 275.1 | 256.9 | 235.0 | 211.3 | 182.2 | 154.0 | 123.9 | 94.7  | 69.2 |

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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°  | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90°   | 0.0   | 0.0  | 0.0   | 0.0 |
| 87.5° | 1.8   | 0.9  | 0.9   | 0.0 |
| 85°   | 2.7   | 1.8  | 0.9   | 0.0 |
| 82.5° | 4.6   | 2.7  | 1.8   | 0.0 |
| 80°   | 6.4   | 4.6  | 1.8   | 0.0 |
| 77.5° | 7.3   | 5.5  | 2.7   | 0.0 |
| 75°   | 9.1   | 6.4  | 2.7   | 0.0 |
| 72.5° | 10.9  | 7.3  | 3.6   | 0.0 |
| 70°   | 11.8  | 8.2  | 3.6   | 0.0 |
| 67.5° | 14.6  | 9.1  | 4.6   | 0.0 |
| 65°   | 16.4  | 10.0 | 4.6   | 0.0 |
| 62.5° | 18.2  | 10.9 | 5.5   | 0.0 |
| 60°   | 20.0  | 11.8 | 5.5   | 0.0 |
| 57.5° | 22.8  | 12.8 | 6.4   | 0.0 |
| 55°   | 24.6  | 14.6 | 6.4   | 0.0 |
| 52.5° | 26.4  | 15.5 | 7.3   | 0.0 |
| 50°   | 28.2  | 16.4 | 7.3   | 0.0 |
| 47.5° | 29.2  | 18.2 | 8.2   | 0.0 |
| 45°   | 31.0  | 19.1 | 8.2   | 0.0 |
| 42.5° | 32.8  | 20.0 | 9.1   | 0.0 |
| 40°   | 34.6  | 21.0 | 9.1   | 0.0 |
| 37.5° | 36.4  | 21.9 | 9.1   | 0.0 |
| 35°   | 37.3  | 22.8 | 10.0  | 0.0 |
| 32.5° | 39.2  | 23.7 | 10.0  | 0.0 |
| 30°   | 40.1  | 24.6 | 10.0  | 0.0 |
| 27.5° | 41.0  | 25.5 | 10.9  | 0.0 |
| 25°   | 41.9  | 25.5 | 10.9  | 0.0 |
| 22.5° | 42.8  | 26.4 | 10.9  | 0.0 |
| 20°   | 43.7  | 27.3 | 10.9  | 0.0 |
| 17.5° | 44.6  | 27.3 | 10.9  | 0.0 |
| 15°   | 45.5  | 28.2 | 11.8  | 0.0 |
| 12.5° | 46.5  | 28.2 | 11.8  | 0.0 |
| 10°   | 46.5  | 29.2 | 11.8  | 0.0 |
| 7.5°  | 47.4  | 29.2 | 11.8  | 0.0 |
| 5°    | 47.4  | 29.2 | 11.8  | 0.0 |
| 2.5°  | 47.4  | 29.2 | 11.8  | 0.0 |
| 0°    | 47.4  | 29.2 | 11.8  | 0.0 |

(END OF REPORT)