

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: P722897

Luminaire Tested: **IFLD-M-SA4D-735-U-11**

Issue Date: 01/11/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P722897  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-735-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens  
Light Source: (64) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

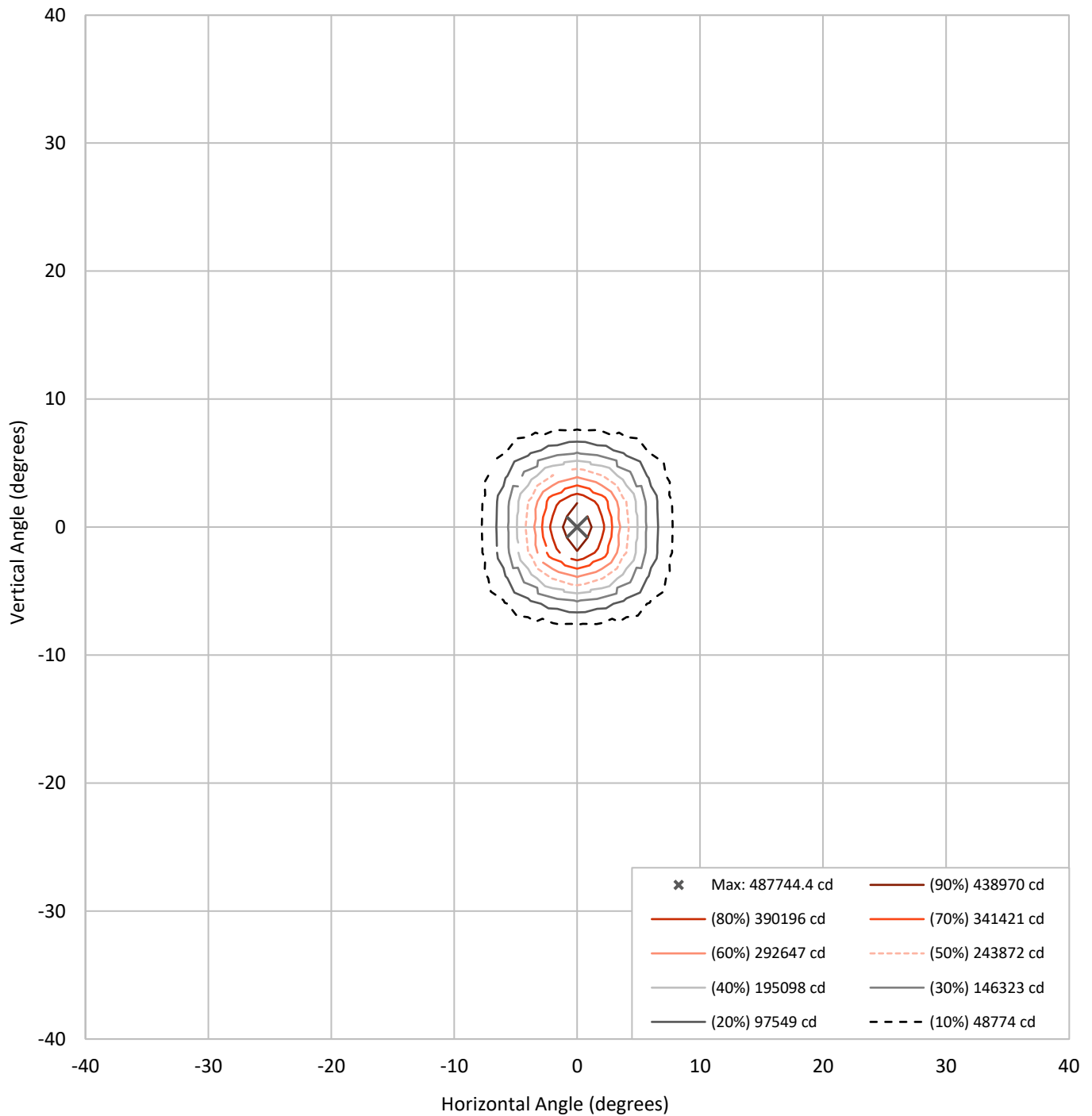
|                   |                                      |                      |                  |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp:  | N/A                                  | NEMA Type:           | 1H x 1V          |
| Luminaire Lumens: | 16273.6 lumens                       | Max Intensity:       | 487744.4 candela |
| Efficiency:       | N/A                                  | Max Intensity Angle: | 0°H x 0°V        |
| Efficacy:         | 65.2 lumens/watt                     |                      |                  |
| Luminous Opening: | Rectangular (W 2' x L: 0.5' 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:      | 5482.6 lumens                        | Field Lumens:        | 8660.1 lumens    |
| Beam Efficiency:  | 33.7%                                | Field Efficiency:    | 53.2%            |

Input Watts (W): 249.7  
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





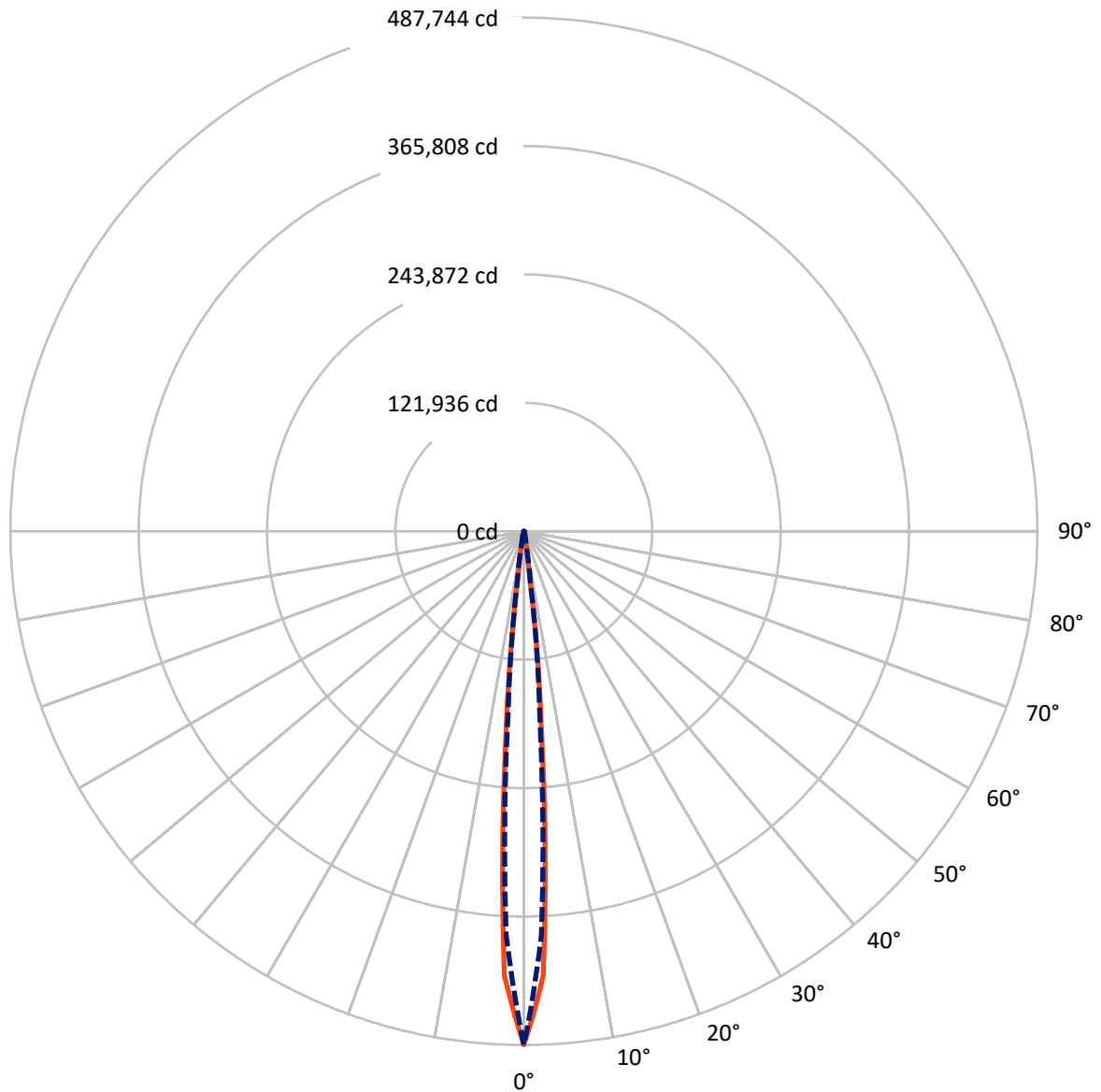
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### Lumen Table

|     |     |     |      |      |      |      |       |        |        |       |      |      |      |      |     |     |    |    |    |
|-----|-----|-----|------|------|------|------|-------|--------|--------|-------|------|------|------|------|-----|-----|----|----|----|
| 90  | 0.1 | 0.6 | 2.2  | 5.1  | 8.9  | 5.1  | 2.2   | 0.6    | 0.1    |       |      |      |      |      |     |     |    |    |    |
| 80  |     |     |      |      |      |      |       |        |        |       |      |      |      |      |     |     |    |    |    |
| 70  | 0.3 | 0.4 | 1.1  | 2.3  | 3.5  | 4.3  | 7.1   | 13.0   | 13.0   | 7.1   | 4.3  | 3.5  | 2.3  | 1.1  | 0.4 | 0.3 |    |    |    |
| 60  |     | 0.8 | 2.0  | 4.2  | 6.5  | 8.4  | 11.3  | 15.9   | 15.9   | 11.3  | 8.4  | 6.5  | 4.2  | 2.0  | 0.8 |     |    |    |    |
| 50  | 1.1 | 1.5 | 3.1  | 6.3  | 10.6 | 15.6 | 20.4  | 25.0   | 25.0   | 20.4  | 15.6 | 10.6 | 6.3  | 3.1  | 1.5 | 1.1 |    |    |    |
| 40  |     | 2.3 | 4.3  | 9.1  | 16.4 | 22.0 | 24.4  | 25.9   | 25.9   | 24.4  | 22.0 | 16.4 | 9.1  | 4.3  | 2.3 |     |    |    |    |
| 30  | 2.2 | 3.3 | 6.0  | 12.8 | 20.1 | 23.0 | 30.5  | 40.6   | 40.6   | 30.5  | 23.0 | 20.1 | 12.8 | 6.0  | 3.3 | 2.2 |    |    |    |
| 20  |     | 4.5 | 8.4  | 16.8 | 22.1 | 29.6 | 59.4  | 114.1  | 114.1  | 59.4  | 29.6 | 22.1 | 16.8 | 8.4  | 4.5 |     |    |    |    |
| 10  | 2.6 | 5.1 | 10.2 | 19.0 | 23.1 | 39.0 | 118.2 | 3177.3 | 3177.3 | 118.2 | 39.0 | 23.1 | 19.0 | 10.2 | 5.1 | 2.6 |    |    |    |
| 0   |     | 5.1 | 10.2 | 19.0 | 23.1 | 39.0 | 118.2 | 3177.3 | 3177.3 | 118.2 | 39.0 | 23.1 | 19.0 | 10.2 | 5.1 |     |    |    |    |
| -10 | 2.2 | 4.5 | 8.4  | 16.8 | 22.1 | 29.6 | 59.4  | 114.1  | 114.1  | 59.4  | 29.6 | 22.1 | 16.8 | 8.4  | 4.5 | 2.2 |    |    |    |
| -20 |     | 3.3 | 6.0  | 12.8 | 20.1 | 23.0 | 30.5  | 40.6   | 40.6   | 30.5  | 23.0 | 20.1 | 12.8 | 6.0  | 3.3 |     |    |    |    |
| -30 | 1.1 | 2.3 | 4.3  | 9.1  | 16.4 | 22.0 | 24.4  | 25.9   | 25.9   | 24.4  | 22.0 | 16.4 | 9.1  | 4.3  | 2.3 | 1.1 |    |    |    |
| -40 |     | 1.5 | 3.1  | 6.3  | 10.6 | 15.6 | 20.4  | 25.0   | 25.0   | 20.4  | 15.6 | 10.6 | 6.3  | 3.1  | 1.5 |     |    |    |    |
| -50 | 0.3 | 0.8 | 2.0  | 4.2  | 6.5  | 8.4  | 11.3  | 15.9   | 15.9   | 11.3  | 8.4  | 6.5  | 4.2  | 2.0  | 0.8 | 0.3 |    |    |    |
| -60 |     | 0.4 | 1.1  | 2.3  | 3.5  | 4.3  | 7.1   | 13.0   | 13.0   | 7.1   | 4.3  | 3.5  | 2.3  | 1.1  | 0.4 |     |    |    |    |
| -70 |     |     |      |      |      |      |       |        |        |       |      |      |      |      |     |     |    |    |    |
| -80 | 0.1 | 0.6 | 2.2  | 5.1  | 8.9  | 5.1  | 2.2   | 0.6    | 0.1    |       |      |      |      |      |     |     |    |    |    |
| -90 |     |     |      |      |      |      |       |        |        |       |      |      |      |      |     |     |    |    |    |
|     | -90 | -80 | -70  | -60  | -50  | -40  | -30   | -20    | -10    | 0     | 10   | 20   | 30   | 40   | 50  | 60  | 70 | 80 | 90 |

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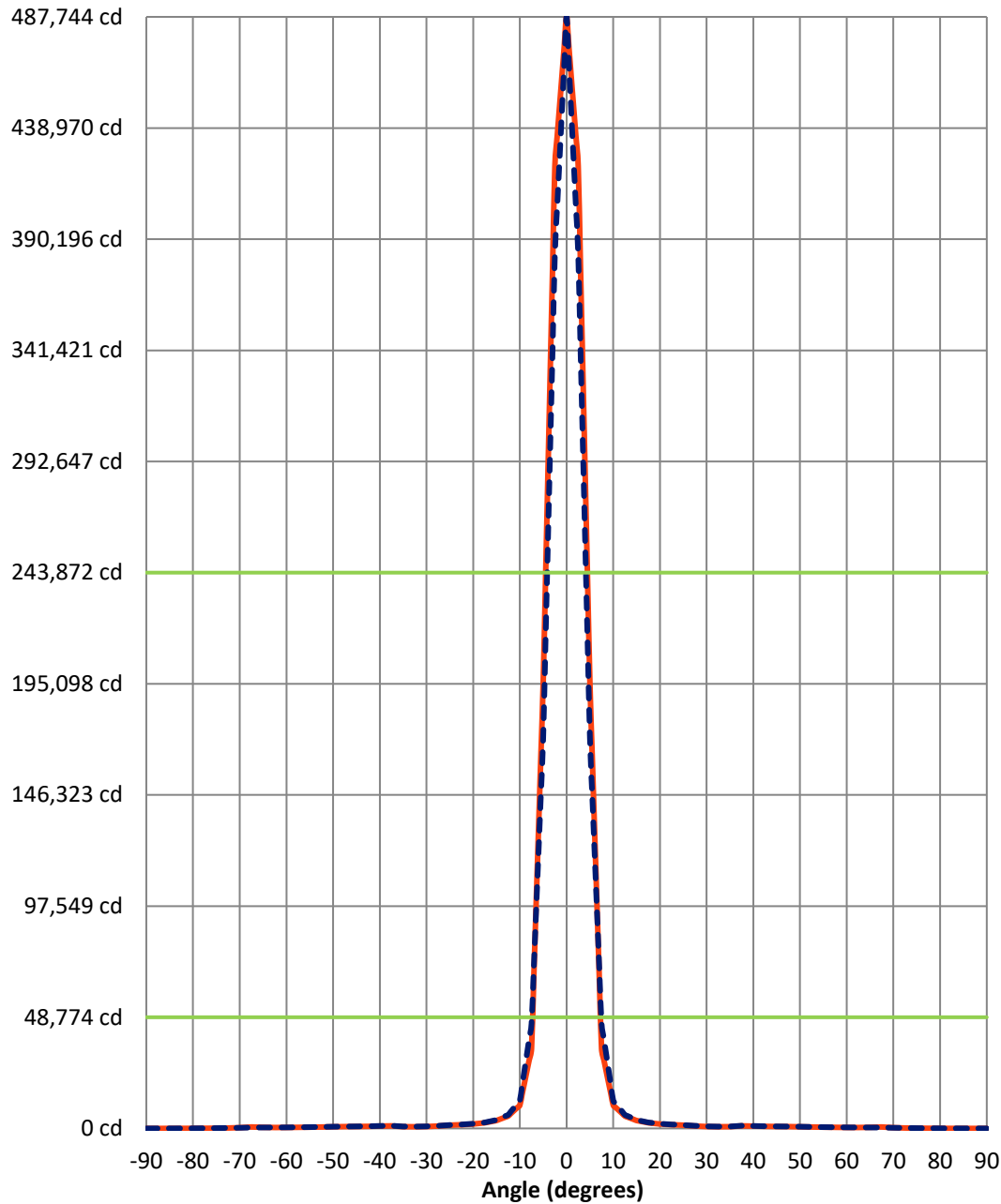
### Luminous Intensity Polar Plot



— 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: 5482.6  
Efficiency: 33.7%

**Field:**  
H Angle: 14.9°  
V Angle: 14.6°  
Lumens: 8660.1  
Efficiency: 53.2%

**Spill:**  
Lumens: 7613.5  
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°   | 4.3      | 4.3      | 4.3      | 4.3     | 4.3     | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 82.5° | 12.8     | 12.8     | 12.8     | 12.8    | 12.8    | 12.8   | 12.8   | 8.5    | 8.5    | 8.5    | 8.5    |
| 80°   | 34.0     | 34.0     | 34.0     | 34.0    | 34.0    | 34.0   | 29.8   | 29.8   | 25.5   | 21.3   | 21.3   |
| 77.5° | 63.8     | 68.0     | 72.3     | 68.0    | 63.8    | 63.8   | 59.5   | 51.0   | 46.8   | 38.3   | 34.0   |
| 75°   | 106.3    | 114.8    | 119.0    | 114.8   | 110.5   | 106.3  | 97.8   | 85.0   | 72.3   | 59.5   | 51.0   |
| 72.5° | 191.3    | 195.5    | 195.5    | 187.0   | 174.3   | 165.8  | 153.0  | 127.5  | 106.3  | 85.0   | 72.3   |
| 70°   | 331.6    | 344.3    | 348.6    | 306.1   | 267.8   | 233.8  | 199.8  | 170.0  | 136.0  | 106.3  | 93.5   |
| 67.5° | 637.6    | 620.6    | 590.9    | 476.1   | 369.8   | 276.3  | 212.5  | 187.0  | 157.3  | 127.5  | 119.0  |
| 65°   | 480.3    | 467.6    | 450.6    | 391.1   | 331.6   | 267.8  | 225.3  | 199.8  | 178.5  | 153.0  | 148.8  |
| 62.5° | 403.8    | 403.8    | 395.3    | 357.1   | 318.8   | 272.1  | 242.3  | 225.3  | 204.0  | 182.8  | 182.8  |
| 60°   | 420.8    | 429.3    | 420.8    | 382.6   | 340.1   | 297.6  | 272.1  | 255.0  | 233.8  | 221.0  | 221.0  |
| 57.5° | 476.1    | 480.3    | 467.6    | 425.1   | 382.6   | 335.8  | 310.3  | 289.1  | 267.8  | 255.0  | 255.0  |
| 55°   | 548.4    | 544.1    | 527.1    | 484.6   | 442.1   | 395.3  | 369.8  | 340.1  | 310.3  | 297.6  | 297.6  |
| 52.5° | 616.4    | 620.6    | 603.6    | 565.4   | 518.6   | 471.8  | 442.1  | 403.8  | 369.8  | 357.1  | 348.6  |
| 50°   | 714.1    | 718.4    | 705.6    | 667.4   | 629.1   | 582.4  | 535.6  | 484.6  | 446.3  | 429.3  | 412.3  |
| 47.5° | 799.1    | 799.1    | 786.4    | 760.9   | 731.1   | 688.6  | 637.6  | 590.9  | 548.4  | 518.6  | 488.8  |
| 45°   | 837.4    | 837.4    | 828.9    | 816.2   | 799.1   | 760.9  | 709.9  | 658.9  | 629.1  | 612.1  | 586.6  |
| 42.5° | 905.4    | 905.4    | 884.2    | 858.7   | 837.4   | 799.1  | 752.4  | 697.1  | 688.6  | 671.6  | 654.6  |
| 40°   | 1015.9   | 977.7    | 943.7    | 913.9   | 879.9   | 837.4  | 794.9  | 756.6  | 739.6  | 718.4  | 701.4  |
| 37.5° | 1118.0   | 1066.9   | 1015.9   | 969.2   | 930.9   | 896.9  | 841.7  | 811.9  | 790.6  | 765.1  | 748.1  |
| 35°   | 769.4    | 752.4    | 773.6    | 799.1   | 837.4   | 896.9  | 935.2  | 892.7  | 845.9  | 816.2  | 794.9  |
| 32.5° | 735.4    | 735.4    | 739.6    | 739.6   | 731.1   | 726.9  | 765.1  | 854.4  | 943.7  | 896.9  | 854.4  |
| 30°   | 816.2    | 833.2    | 837.4    | 828.9   | 799.1   | 760.9  | 739.6  | 735.4  | 777.9  | 901.2  | 935.2  |
| 27.5° | 1054.2   | 1066.9   | 1058.4   | 1028.7  | 964.9   | 875.7  | 820.4  | 760.9  | 748.1  | 748.1  | 884.2  |
| 25°   | 1428.3   | 1424.0   | 1390.0   | 1322.0  | 1224.2  | 1105.2 | 986.2  | 862.9  | 799.1  | 760.9  | 756.6  |
| 22.5° | 1640.8   | 1640.8   | 1615.3   | 1577.0  | 1513.3  | 1394.3 | 1228.5 | 1062.7 | 905.4  | 816.2  | 765.1  |
| 20°   | 1929.9   | 1938.4   | 1908.6   | 1836.3  | 1721.6  | 1615.3 | 1492.0 | 1296.5 | 1092.5 | 913.9  | 811.9  |
| 17.5° | 2474.0   | 2465.5   | 2397.4   | 2248.7  | 2048.9  | 1866.1 | 1674.8 | 1526.0 | 1309.2 | 1079.7 | 888.4  |
| 15°   | 3468.6   | 3443.1   | 3251.9   | 2907.5  | 2533.5  | 2210.4 | 1929.9 | 1683.3 | 1513.3 | 1254.0 | 1020.2 |
| 12.5° | 5424.0   | 5351.7   | 4833.2   | 4017.0  | 3298.6  | 2639.7 | 2223.2 | 1891.6 | 1640.8 | 1424.0 | 1147.7 |
| 10°   | 10176.4  | 10099.9  | 8505.8   | 5874.6  | 4514.3  | 3307.1 | 2550.5 | 2091.4 | 1764.1 | 1547.3 | 1271.0 |
| 7.5°  | 34967.0  | 30235.9  | 18716.2  | 11460.1 | 5968.1  | 4097.8 | 2971.3 | 2312.4 | 1900.1 | 1623.8 | 1377.3 |
| 5°    | 195761.7 | 162006.2 | 86023.3  | 23481.4 | 9462.3  | 5083.9 | 3375.1 | 2495.2 | 1993.6 | 1679.1 | 1441.0 |
| 2.5°  | 422312.0 | 348858.3 | 167795.8 | 42554.7 | 11659.9 | 5725.8 | 3608.9 | 2580.2 | 2040.4 | 1704.6 | 1479.3 |
| 0°    | 487744.4 | 383510.7 | 171374.9 | 46057.3 | 12216.8 | 5980.9 | 3710.9 | 2618.5 | 2061.6 | 1721.6 | 1492.0 |



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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    | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   |
| 85°   | 4.3    | 4.3   | 4.3   | 4.3   | 4.3    | 4.3    | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   |
| 82.5° | 8.5    | 8.5   | 8.5   | 8.5   | 8.5    | 8.5    | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   |
| 80°   | 17.0   | 17.0  | 17.0  | 17.0  | 17.0   | 12.8   | 12.8  | 12.8  | 8.5   | 8.5   | 8.5   |
| 77.5° | 34.0   | 34.0  | 29.8  | 29.8  | 25.5   | 25.5   | 25.5  | 21.3  | 17.0  | 17.0  | 12.8  |
| 75°   | 51.0   | 51.0  | 51.0  | 46.8  | 42.5   | 38.3   | 38.3  | 34.0  | 29.8  | 25.5  | 25.5  |
| 72.5° | 72.3   | 72.3  | 72.3  | 68.0  | 63.8   | 59.5   | 51.0  | 46.8  | 42.5  | 38.3  | 34.0  |
| 70°   | 93.5   | 93.5  | 93.5  | 89.3  | 89.3   | 85.0   | 76.5  | 68.0  | 59.5  | 51.0  | 46.8  |
| 67.5° | 119.0  | 119.0 | 119.0 | 110.5 | 106.3  | 102.0  | 97.8  | 89.3  | 80.8  | 68.0  | 59.5  |
| 65°   | 148.8  | 148.8 | 148.8 | 136.0 | 127.5  | 123.3  | 114.8 | 106.3 | 93.5  | 85.0  | 72.3  |
| 62.5° | 187.0  | 187.0 | 178.5 | 165.8 | 153.0  | 140.3  | 131.8 | 123.3 | 110.5 | 97.8  | 85.0  |
| 60°   | 221.0  | 221.0 | 216.8 | 199.8 | 182.8  | 161.5  | 153.0 | 140.3 | 127.5 | 114.8 | 97.8  |
| 57.5° | 255.0  | 255.0 | 246.5 | 229.5 | 212.5  | 195.5  | 178.5 | 165.8 | 148.8 | 131.8 | 114.8 |
| 55°   | 293.3  | 289.1 | 276.3 | 259.3 | 242.3  | 225.3  | 212.5 | 195.5 | 178.5 | 157.3 | 131.8 |
| 52.5° | 340.1  | 327.3 | 306.1 | 289.1 | 267.8  | 250.8  | 238.0 | 221.0 | 204.0 | 178.5 | 148.8 |
| 50°   | 395.3  | 374.1 | 344.3 | 318.8 | 297.6  | 280.6  | 263.5 | 246.5 | 229.5 | 199.8 | 170.0 |
| 47.5° | 463.3  | 429.3 | 395.3 | 361.3 | 331.6  | 310.3  | 289.1 | 272.1 | 246.5 | 216.8 | 187.0 |
| 45°   | 544.1  | 493.1 | 454.8 | 412.3 | 378.3  | 344.3  | 318.8 | 297.6 | 263.5 | 229.5 | 199.8 |
| 42.5° | 624.9  | 582.4 | 527.1 | 471.8 | 429.3  | 386.8  | 352.8 | 318.8 | 284.8 | 246.5 | 212.5 |
| 40°   | 680.1  | 646.1 | 607.9 | 548.4 | 488.8  | 437.8  | 391.1 | 344.3 | 301.8 | 263.5 | 225.3 |
| 37.5° | 722.6  | 697.1 | 663.1 | 620.6 | 561.1  | 497.3  | 433.6 | 374.1 | 323.1 | 280.6 | 242.3 |
| 35°   | 769.4  | 739.6 | 705.6 | 671.6 | 624.9  | 556.9  | 476.1 | 408.1 | 348.6 | 297.6 | 263.5 |
| 32.5° | 820.4  | 777.9 | 743.9 | 705.6 | 671.6  | 616.4  | 531.3 | 446.3 | 374.1 | 323.1 | 289.1 |
| 30°   | 879.9  | 824.7 | 777.9 | 739.6 | 701.4  | 650.4  | 586.6 | 488.8 | 412.3 | 357.1 | 314.6 |
| 27.5° | 943.7  | 862.9 | 811.9 | 769.4 | 731.1  | 684.4  | 624.9 | 539.9 | 459.1 | 391.1 | 340.1 |
| 25°   | 884.2  | 926.7 | 845.9 | 799.1 | 756.6  | 709.9  | 658.9 | 603.6 | 510.1 | 433.6 | 374.1 |
| 22.5° | 760.9  | 909.7 | 905.4 | 837.4 | 786.4  | 743.9  | 714.1 | 654.6 | 569.6 | 476.1 | 403.8 |
| 20°   | 769.4  | 811.9 | 969.2 | 875.7 | 824.7  | 794.9  | 765.1 | 709.9 | 624.9 | 514.3 | 433.6 |
| 17.5° | 794.9  | 777.9 | 892.7 | 935.2 | 875.7  | 837.4  | 816.2 | 765.1 | 675.9 | 565.4 | 480.3 |
| 15°   | 862.9  | 790.6 | 824.7 | 986.2 | 922.4  | 879.9  | 867.2 | 803.4 | 722.6 | 620.6 | 527.1 |
| 12.5° | 922.4  | 811.9 | 794.9 | 952.2 | 964.9  | 918.2  | 888.4 | 833.2 | 760.9 | 667.4 | 569.6 |
| 10°   | 1020.2 | 862.9 | 807.7 | 913.9 | 1007.4 | 952.2  | 905.4 | 858.7 | 790.6 | 709.9 | 612.1 |
| 7.5°  | 1096.7 | 892.7 | 811.9 | 884.2 | 1049.9 | 977.7  | 922.4 | 871.4 | 816.2 | 743.9 | 646.1 |
| 5°    | 1130.7 | 905.4 | 807.7 | 858.7 | 1096.7 | 1007.4 | 943.7 | 884.2 | 833.2 | 765.1 | 663.1 |
| 2.5°  | 1147.7 | 909.7 | 803.4 | 837.4 | 1143.5 | 1045.7 | 952.2 | 884.2 | 833.2 | 769.4 | 663.1 |
| 0°    | 1156.2 | 901.2 | 803.4 | 850.2 | 1177.5 | 1084.0 | 956.4 | 884.2 | 828.9 | 765.1 | 654.6 |





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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° | 4.3   | 4.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 85°   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 0.0   | 0.0  |
| 82.5° | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3  |
| 80°   | 8.5   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3  |
| 77.5° | 12.8  | 12.8  | 8.5   | 8.5   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3  |
| 75°   | 21.3  | 17.0  | 17.0  | 12.8  | 12.8  | 8.5   | 4.3   | 4.3   | 4.3   | 4.3   | 4.3  |
| 72.5° | 29.8  | 25.5  | 21.3  | 17.0  | 17.0  | 12.8  | 8.5   | 4.3   | 4.3   | 4.3   | 4.3  |
| 70°   | 38.3  | 34.0  | 25.5  | 21.3  | 21.3  | 17.0  | 12.8  | 8.5   | 4.3   | 4.3   | 4.3  |
| 67.5° | 51.0  | 42.5  | 34.0  | 25.5  | 25.5  | 21.3  | 17.0  | 12.8  | 8.5   | 4.3   | 4.3  |
| 65°   | 63.8  | 51.0  | 42.5  | 34.0  | 29.8  | 25.5  | 21.3  | 17.0  | 12.8  | 4.3   | 4.3  |
| 62.5° | 72.3  | 63.8  | 51.0  | 42.5  | 38.3  | 29.8  | 25.5  | 21.3  | 12.8  | 8.5   | 4.3  |
| 60°   | 85.0  | 72.3  | 59.5  | 51.0  | 46.8  | 38.3  | 29.8  | 25.5  | 17.0  | 12.8  | 4.3  |
| 57.5° | 97.8  | 80.8  | 68.0  | 59.5  | 55.3  | 46.8  | 38.3  | 29.8  | 21.3  | 12.8  | 8.5  |
| 55°   | 110.5 | 93.5  | 76.5  | 72.3  | 63.8  | 55.3  | 46.8  | 34.0  | 25.5  | 17.0  | 8.5  |
| 52.5° | 123.3 | 102.0 | 89.3  | 85.0  | 76.5  | 63.8  | 51.0  | 42.5  | 29.8  | 21.3  | 12.8 |
| 50°   | 140.3 | 114.8 | 102.0 | 97.8  | 85.0  | 72.3  | 59.5  | 51.0  | 38.3  | 25.5  | 12.8 |
| 47.5° | 157.3 | 127.5 | 119.0 | 110.5 | 97.8  | 85.0  | 68.0  | 59.5  | 42.5  | 29.8  | 17.0 |
| 45°   | 170.0 | 148.8 | 136.0 | 127.5 | 110.5 | 97.8  | 80.8  | 68.0  | 46.8  | 34.0  | 17.0 |
| 42.5° | 178.5 | 165.8 | 157.3 | 144.5 | 127.5 | 106.3 | 89.3  | 76.5  | 55.3  | 38.3  | 21.3 |
| 40°   | 199.8 | 187.0 | 174.3 | 161.5 | 144.5 | 119.0 | 102.0 | 85.0  | 63.8  | 42.5  | 21.3 |
| 37.5° | 221.0 | 204.0 | 191.3 | 178.5 | 161.5 | 136.0 | 119.0 | 93.5  | 72.3  | 46.8  | 25.5 |
| 35°   | 242.3 | 225.3 | 208.3 | 195.5 | 178.5 | 157.3 | 131.8 | 106.3 | 80.8  | 51.0  | 29.8 |
| 32.5° | 263.5 | 242.3 | 225.3 | 208.3 | 199.8 | 174.3 | 144.5 | 114.8 | 89.3  | 55.3  | 29.8 |
| 30°   | 284.8 | 259.3 | 242.3 | 229.5 | 221.0 | 195.5 | 161.5 | 127.5 | 97.8  | 63.8  | 34.0 |
| 27.5° | 306.1 | 276.3 | 255.0 | 255.0 | 246.5 | 216.8 | 174.3 | 140.3 | 106.3 | 68.0  | 38.3 |
| 25°   | 327.3 | 293.3 | 284.8 | 280.6 | 276.3 | 238.0 | 191.3 | 153.0 | 110.5 | 76.5  | 38.3 |
| 22.5° | 348.6 | 323.1 | 310.3 | 306.1 | 297.6 | 259.3 | 208.3 | 161.5 | 119.0 | 80.8  | 42.5 |
| 20°   | 382.6 | 357.1 | 340.1 | 327.3 | 323.1 | 284.8 | 225.3 | 174.3 | 127.5 | 80.8  | 42.5 |
| 17.5° | 425.1 | 386.8 | 365.6 | 352.8 | 344.3 | 306.1 | 242.3 | 187.0 | 131.8 | 80.8  | 42.5 |
| 15°   | 463.3 | 420.8 | 391.1 | 374.1 | 365.6 | 331.6 | 255.0 | 191.3 | 136.0 | 80.8  | 42.5 |
| 12.5° | 501.6 | 450.6 | 416.6 | 399.6 | 386.8 | 357.1 | 267.8 | 195.5 | 136.0 | 80.8  | 42.5 |
| 10°   | 535.6 | 480.3 | 446.3 | 420.8 | 403.8 | 365.6 | 272.1 | 199.8 | 136.0 | 80.8  | 42.5 |
| 7.5°  | 565.4 | 505.8 | 459.1 | 420.8 | 403.8 | 374.1 | 272.1 | 204.0 | 136.0 | 80.8  | 46.8 |
| 5°    | 569.6 | 505.8 | 454.8 | 420.8 | 408.1 | 378.3 | 276.3 | 204.0 | 136.0 | 76.5  | 42.5 |
| 2.5°  | 573.9 | 505.8 | 454.8 | 420.8 | 408.1 | 378.3 | 276.3 | 204.0 | 136.0 | 76.5  | 42.5 |
| 0°    | 569.6 | 501.6 | 450.6 | 420.8 | 408.1 | 378.3 | 276.3 | 204.0 | 131.8 | 72.3  | 42.5 |



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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85° | 87.5° | 90° |
|-------|-------|-----|-------|-----|
| 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°   | 4.3   | 0.0 | 0.0   | 0.0 |
| 77.5° | 4.3   | 0.0 | 0.0   | 0.0 |
| 75°   | 4.3   | 4.3 | 0.0   | 0.0 |
| 72.5° | 4.3   | 4.3 | 0.0   | 0.0 |
| 70°   | 4.3   | 4.3 | 0.0   | 0.0 |
| 67.5° | 4.3   | 4.3 | 0.0   | 0.0 |
| 65°   | 4.3   | 4.3 | 0.0   | 0.0 |
| 62.5° | 4.3   | 4.3 | 0.0   | 0.0 |
| 60°   | 4.3   | 4.3 | 0.0   | 0.0 |
| 57.5° | 4.3   | 4.3 | 4.3   | 0.0 |
| 55°   | 4.3   | 4.3 | 4.3   | 0.0 |
| 52.5° | 4.3   | 4.3 | 4.3   | 0.0 |
| 50°   | 4.3   | 4.3 | 4.3   | 0.0 |
| 47.5° | 4.3   | 4.3 | 4.3   | 0.0 |
| 45°   | 4.3   | 4.3 | 4.3   | 0.0 |
| 42.5° | 8.5   | 4.3 | 4.3   | 0.0 |
| 40°   | 8.5   | 4.3 | 4.3   | 0.0 |
| 37.5° | 12.8  | 4.3 | 4.3   | 0.0 |
| 35°   | 12.8  | 4.3 | 4.3   | 0.0 |
| 32.5° | 12.8  | 4.3 | 4.3   | 0.0 |
| 30°   | 12.8  | 4.3 | 4.3   | 0.0 |
| 27.5° | 17.0  | 4.3 | 4.3   | 0.0 |
| 25°   | 17.0  | 4.3 | 4.3   | 0.0 |
| 22.5° | 17.0  | 4.3 | 4.3   | 0.0 |
| 20°   | 17.0  | 4.3 | 4.3   | 0.0 |
| 17.5° | 17.0  | 4.3 | 4.3   | 0.0 |
| 15°   | 21.3  | 4.3 | 4.3   | 0.0 |
| 12.5° | 21.3  | 4.3 | 4.3   | 0.0 |
| 10°   | 21.3  | 4.3 | 4.3   | 0.0 |
| 7.5°  | 21.3  | 4.3 | 4.3   | 0.0 |
| 5°    | 21.3  | 4.3 | 4.3   | 0.0 |
| 2.5°  | 21.3  | 4.3 | 4.3   | 0.0 |
| 0°    | 21.3  | 4.3 | 4.3   | 0.0 |

(END OF REPORT)