

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: P623196

Luminaire Tested: **IFLD-S-SA2B-830-U-33**

Issue Date: 10/13/2022

Test Information

Test Method: LM-79-2019
Report Number: P623196
Test Lab: INNOVATION CENTER(G2)
Issue Date: 10/13/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-830-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

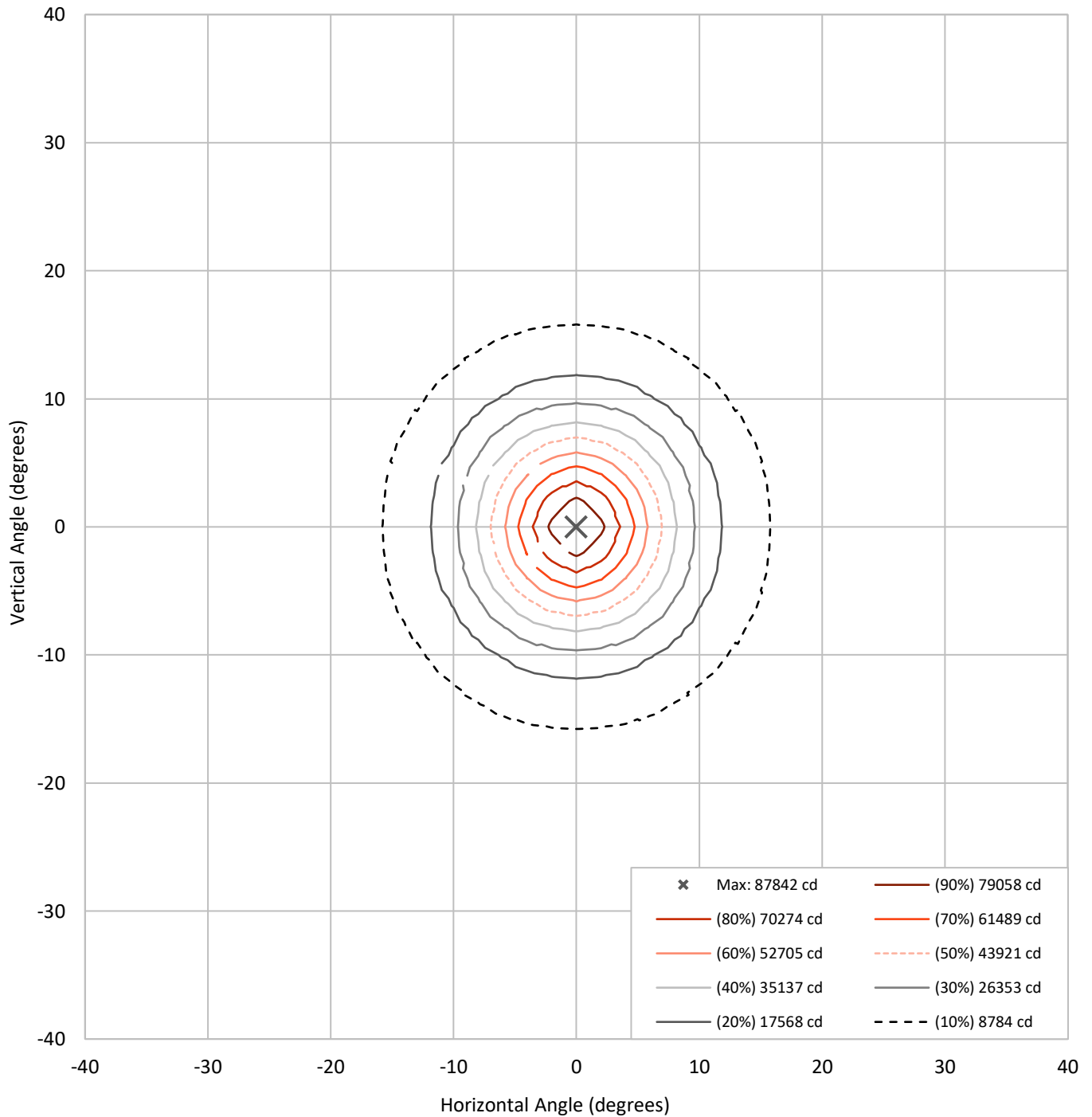
| | | | |
|-------------------|--------------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 3H x 3V |
| Luminaire Lumens: | 9440.1 lumens | Max Intensity: | 87842 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 114.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') | | |
| Beam Angle (50%): | 13.8°H x 13.8°V | Field Angle (10%): | 31.4°H x 31.4°V |
| Beam Lumens: | 2064.3 lumens | Field Lumens: | 4806.6 lumens |
| Beam Efficiency: | 21.9% | Field Efficiency: | 50.9% |

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





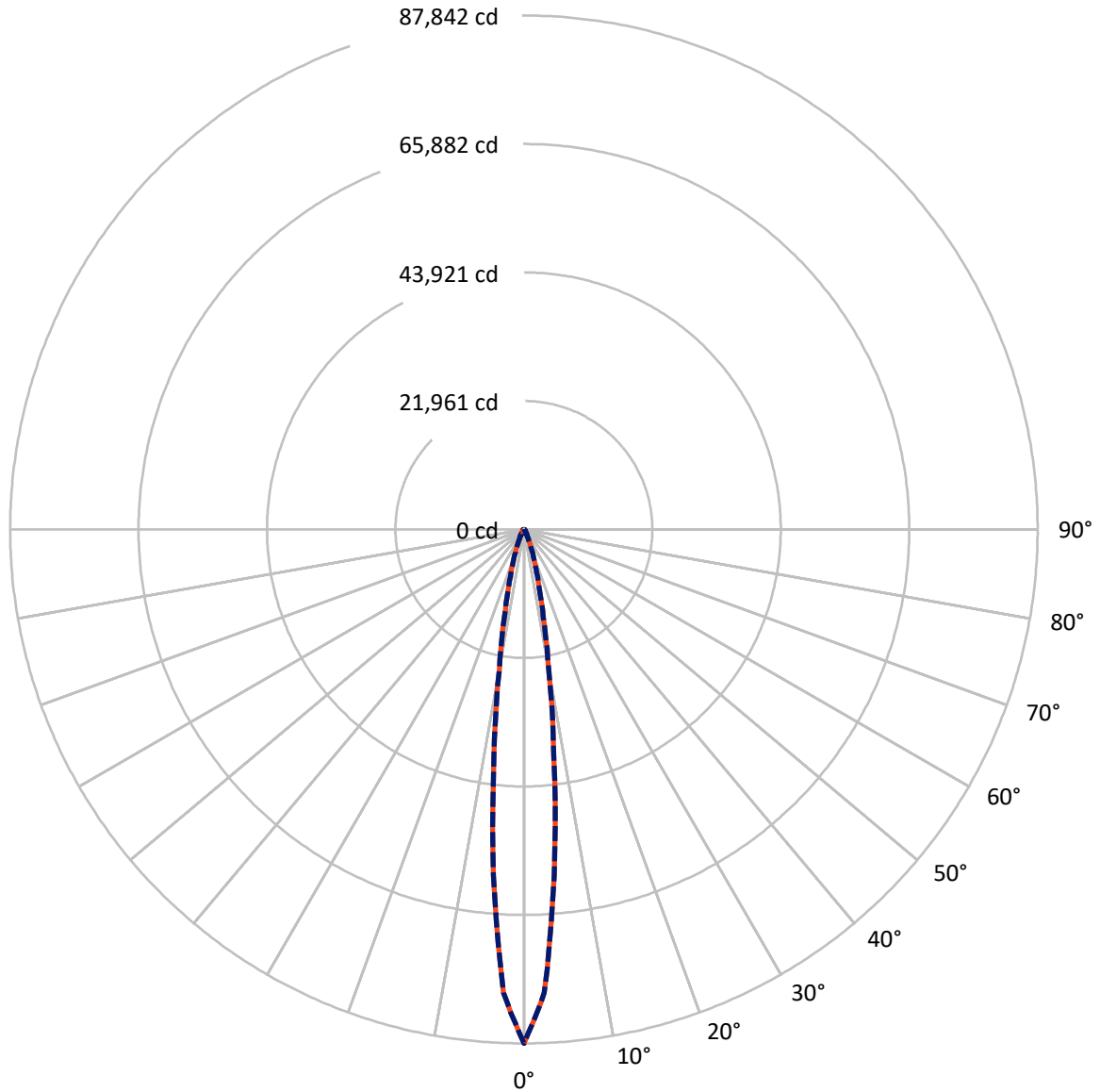
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Lumen Table

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|-------|--------|--------|-------|------|------|-----|-----|-----|-----|
| 90 | 0.2 | 1.2 | | 3.2 | | 5.3 | | 6.1 | | 5.3 | | 3.2 | | 1.2 | | 0.2 |
| 80 | 0.2 | 1.2 | | 3.2 | | 5.3 | | 6.1 | | 5.3 | | 3.2 | | 1.2 | | 0.2 |
| 70 | 0.6 | 0.6 | 1.3 | 2.2 | 3.1 | 3.9 | 4.5 | 4.8 | 4.8 | 4.5 | 3.9 | 3.1 | 2.2 | 1.3 | 0.6 | 0.6 |
| 60 | | 1.0 | 2.0 | 3.3 | 4.5 | 5.6 | 6.5 | 6.9 | 6.9 | 6.5 | 5.6 | 4.5 | 3.3 | 2.0 | 1.0 | |
| 50 | 1.0 | 1.3 | 2.7 | 4.2 | 5.8 | 7.5 | 9.0 | 10.0 | 10.0 | 9.0 | 7.5 | 5.8 | 4.2 | 2.7 | 1.3 | 1.0 |
| 40 | | 1.6 | 3.2 | 5.0 | 7.3 | 10.5 | 14.4 | 17.7 | 17.7 | 14.4 | 10.5 | 7.3 | 5.0 | 3.2 | 1.6 | |
| 30 | 1.4 | 1.8 | 3.6 | 5.8 | 9.5 | 16.8 | 34.3 | 58.7 | 58.7 | 34.3 | 16.8 | 9.5 | 5.8 | 3.6 | 1.8 | 1.4 |
| 20 | | 2.0 | 3.9 | 6.6 | 12.3 | 32.4 | 116.4 | 289.0 | 289.0 | 116.4 | 32.4 | 12.3 | 6.6 | 3.9 | 2.0 | |
| 10 | 1.5 | 2.1 | 4.0 | 7.1 | 14.6 | 53.9 | 281.6 | 1236.6 | 1236.6 | 281.6 | 53.9 | 14.6 | 7.1 | 4.0 | 2.1 | 1.5 |
| 0 | | 2.1 | 4.0 | 7.1 | 14.6 | 53.9 | 281.6 | 1236.6 | 1236.6 | 281.6 | 53.9 | 14.6 | 7.1 | 4.0 | 2.1 | |
| -10 | 1.4 | 2.0 | 3.9 | 6.6 | 12.3 | 32.4 | 116.4 | 289.0 | 289.0 | 116.4 | 32.4 | 12.3 | 6.6 | 3.9 | 2.0 | 1.4 |
| -20 | | 1.8 | 3.6 | 5.8 | 9.5 | 16.8 | 34.3 | 58.7 | 58.7 | 34.3 | 16.8 | 9.5 | 5.8 | 3.6 | 1.8 | |
| -30 | 1.0 | 1.6 | 3.2 | 5.0 | 7.3 | 10.5 | 14.4 | 17.7 | 17.7 | 14.4 | 10.5 | 7.3 | 5.0 | 3.2 | 1.6 | 1.0 |
| -40 | | 1.3 | 2.7 | 4.2 | 5.8 | 7.5 | 9.0 | 10.0 | 10.0 | 9.0 | 7.5 | 5.8 | 4.2 | 2.7 | 1.3 | |
| -50 | 0.6 | 1.0 | 2.0 | 3.3 | 4.5 | 5.6 | 6.5 | 6.9 | 6.9 | 6.5 | 5.6 | 4.5 | 3.3 | 2.0 | 1.0 | 0.6 |
| -60 | | 0.6 | 1.3 | 2.2 | 3.1 | 3.9 | 4.5 | 4.8 | 4.8 | 4.5 | 3.9 | 3.1 | 2.2 | 1.3 | 0.6 | |
| -70 | 0.2 | 1.2 | | 3.2 | | 5.3 | | 6.1 | | 5.3 | | 3.2 | | 1.2 | | 0.2 |
| -80 | | 1.2 | | 3.2 | | 5.3 | | 6.1 | | 5.3 | | 3.2 | | 1.2 | | |
| -90 | 0.2 | 1.2 | | 3.2 | | 5.3 | | 6.1 | | 5.3 | | 3.2 | | 1.2 | | 0.2 |

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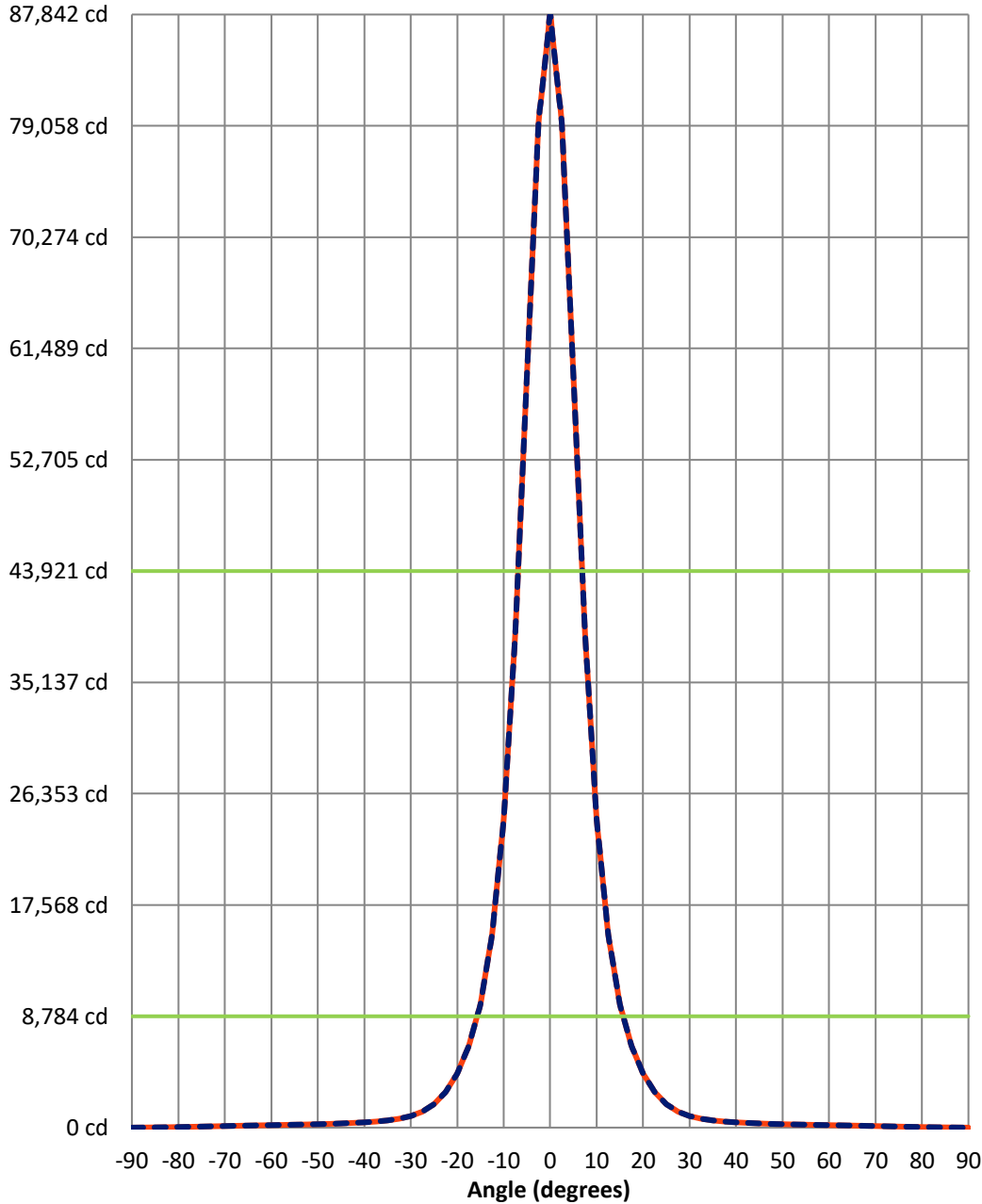
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 13.8°
V Angle: 13.8°
Lumens: 2064.3
Efficiency: 21.9%

Field:
H Angle: 31.4°
V Angle: 31.4°
Lumens: 4806.6
Efficiency: 50.9%

Spill:
Lumens: 4633.6
Efficiency: 49.1%

— 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° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 6.9 | 6.9 |
| 85° | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 16.7 | 16.7 | 16.7 | 15.7 | 15.7 |
| 82.5° | 29.5 | 29.5 | 29.5 | 29.5 | 28.5 | 28.5 | 28.5 | 27.5 | 27.5 | 26.5 | 26.5 |
| 80° | 45.2 | 45.2 | 45.2 | 45.2 | 44.2 | 43.2 | 43.2 | 42.2 | 41.2 | 40.3 | 39.3 |
| 77.5° | 61.9 | 61.9 | 61.9 | 60.9 | 60.9 | 59.9 | 58.9 | 57.9 | 57.0 | 55.0 | 54.0 |
| 75° | 81.5 | 81.5 | 81.5 | 80.5 | 79.5 | 78.6 | 77.6 | 75.6 | 74.6 | 72.7 | 70.7 |
| 72.5° | 102.1 | 102.1 | 102.1 | 101.2 | 100.2 | 98.2 | 97.2 | 95.3 | 93.3 | 90.4 | 88.4 |
| 70° | 121.8 | 121.8 | 121.8 | 120.8 | 118.8 | 117.9 | 115.9 | 113.9 | 112.0 | 109.0 | 106.1 |
| 67.5° | 141.4 | 141.4 | 141.4 | 139.5 | 138.5 | 137.5 | 135.5 | 132.6 | 130.6 | 127.7 | 123.7 |
| 65° | 160.1 | 160.1 | 159.1 | 158.1 | 157.1 | 155.2 | 153.2 | 151.2 | 148.3 | 145.3 | 141.4 |
| 62.5° | 178.7 | 178.7 | 177.8 | 176.8 | 175.8 | 173.8 | 170.9 | 168.9 | 165.0 | 162.0 | 158.1 |
| 60° | 194.5 | 194.5 | 193.5 | 192.5 | 191.5 | 189.5 | 187.6 | 184.6 | 181.7 | 178.7 | 174.8 |
| 57.5° | 211.1 | 211.1 | 210.2 | 209.2 | 207.2 | 205.3 | 203.3 | 200.3 | 196.4 | 192.5 | 189.5 |
| 55° | 229.8 | 229.8 | 228.8 | 226.9 | 224.9 | 222.9 | 220.0 | 216.1 | 212.1 | 208.2 | 203.3 |
| 52.5° | 247.5 | 247.5 | 246.5 | 244.5 | 242.6 | 240.6 | 236.7 | 233.7 | 228.8 | 223.9 | 218.0 |
| 50° | 269.1 | 269.1 | 267.1 | 265.2 | 263.2 | 259.3 | 255.3 | 250.4 | 245.5 | 239.6 | 234.7 |
| 47.5° | 293.6 | 293.6 | 291.7 | 289.7 | 285.8 | 281.9 | 276.0 | 270.1 | 264.2 | 257.3 | 249.5 |
| 45° | 328.0 | 328.0 | 325.1 | 321.1 | 316.2 | 309.4 | 301.5 | 293.6 | 284.8 | 276.9 | 268.1 |
| 42.5° | 370.2 | 370.2 | 366.3 | 361.4 | 354.5 | 345.7 | 334.9 | 324.1 | 312.3 | 299.5 | 287.8 |
| 40° | 414.4 | 414.4 | 409.5 | 404.6 | 396.8 | 386.0 | 374.2 | 360.4 | 345.7 | 329.0 | 314.3 |
| 37.5° | 475.3 | 475.3 | 468.5 | 459.6 | 447.8 | 433.1 | 415.4 | 399.7 | 383.0 | 364.4 | 344.7 |
| 35° | 565.7 | 565.7 | 554.9 | 540.1 | 521.5 | 496.9 | 470.4 | 447.8 | 422.3 | 399.7 | 378.1 |
| 32.5° | 699.2 | 699.2 | 680.6 | 659.0 | 627.6 | 588.3 | 550.0 | 513.6 | 475.3 | 442.9 | 411.5 |
| 30° | 909.4 | 909.4 | 878.0 | 838.7 | 785.7 | 717.9 | 660.9 | 602.0 | 546.0 | 498.9 | 455.7 |
| 27.5° | 1259.0 | 1244.3 | 1201.1 | 1129.4 | 1031.2 | 909.4 | 822.0 | 722.8 | 644.3 | 567.6 | 511.7 |
| 25° | 1848.3 | 1820.8 | 1739.3 | 1604.7 | 1423.0 | 1221.7 | 1062.6 | 893.7 | 773.9 | 664.9 | 577.5 |
| 22.5° | 2805.8 | 2755.7 | 2606.5 | 2362.9 | 2033.9 | 1711.8 | 1418.1 | 1157.9 | 943.8 | 791.6 | 664.9 |
| 20° | 4263.3 | 4175.8 | 3918.5 | 3502.1 | 2940.4 | 2442.5 | 1919.0 | 1533.0 | 1190.3 | 943.8 | 773.9 |
| 17.5° | 6453.3 | 6302.1 | 5859.1 | 5145.2 | 4263.3 | 3452.0 | 2654.6 | 2019.2 | 1533.0 | 1157.9 | 893.7 |
| 15° | 9729.6 | 9464.4 | 8690.5 | 7460.0 | 6046.7 | 4760.2 | 3627.8 | 2654.6 | 1919.0 | 1418.1 | 1062.6 |
| 12.5° | 15230.2 | 14694.0 | 13144.3 | 10727.4 | 8474.5 | 6360.0 | 4760.2 | 3452.0 | 2442.5 | 1711.8 | 1221.7 |
| 10° | 24318.5 | 23210.7 | 20069.0 | 15313.7 | 11696.7 | 8474.5 | 6046.7 | 4263.3 | 2940.4 | 2033.9 | 1423.0 |
| 7.5° | 39049.9 | 36672.2 | 30175.7 | 22168.7 | 15313.7 | 10727.4 | 7460.0 | 5145.2 | 3502.1 | 2362.9 | 1604.7 |
| 5° | 59368.3 | 54583.6 | 42572.6 | 30175.7 | 20069.0 | 13144.3 | 8690.5 | 5859.1 | 3918.5 | 2606.5 | 1739.3 |
| 2.5° | 79289.0 | 71042.4 | 54583.6 | 36672.2 | 23210.7 | 14694.0 | 9464.4 | 6302.1 | 4175.8 | 2755.7 | 1820.8 |
| 0° | 87842.0 | 79289.0 | 59368.3 | 39049.9 | 24318.5 | 15230.2 | 9729.6 | 6453.3 | 4263.3 | 2805.8 | 1848.3 |



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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° | 6.9 | 6.9 | 6.9 | 6.9 | 5.9 | 5.9 | 5.9 | 5.9 | 4.9 | 4.9 | 4.9 |
| 85° | 15.7 | 14.7 | 14.7 | 13.7 | 13.7 | 12.8 | 12.8 | 11.8 | 11.8 | 10.8 | 9.8 |
| 82.5° | 25.5 | 24.6 | 23.6 | 22.6 | 22.6 | 21.6 | 20.6 | 18.7 | 17.7 | 16.7 | 15.7 |
| 80° | 38.3 | 36.3 | 35.4 | 33.4 | 32.4 | 30.4 | 28.5 | 27.5 | 25.5 | 24.6 | 22.6 |
| 77.5° | 52.1 | 50.1 | 49.1 | 46.2 | 44.2 | 42.2 | 40.3 | 37.3 | 35.4 | 32.4 | 29.5 |
| 75° | 67.8 | 65.8 | 62.9 | 59.9 | 57.9 | 55.0 | 52.1 | 49.1 | 45.2 | 42.2 | 39.3 |
| 72.5° | 85.4 | 82.5 | 79.5 | 75.6 | 71.7 | 68.7 | 63.8 | 59.9 | 57.0 | 53.0 | 49.1 |
| 70° | 103.1 | 100.2 | 96.2 | 92.3 | 87.4 | 83.5 | 78.6 | 73.7 | 68.7 | 63.8 | 58.9 |
| 67.5° | 120.8 | 116.9 | 112.9 | 108.0 | 103.1 | 98.2 | 93.3 | 87.4 | 81.5 | 75.6 | 69.7 |
| 65° | 137.5 | 133.6 | 128.7 | 123.7 | 118.8 | 112.9 | 107.0 | 101.2 | 94.3 | 87.4 | 81.5 |
| 62.5° | 154.2 | 149.3 | 144.4 | 139.5 | 133.6 | 127.7 | 121.8 | 113.9 | 107.0 | 100.2 | 92.3 |
| 60° | 169.9 | 165.0 | 160.1 | 154.2 | 148.3 | 141.4 | 134.5 | 127.7 | 119.8 | 112.0 | 104.1 |
| 57.5° | 184.6 | 179.7 | 174.8 | 167.9 | 162.0 | 155.2 | 147.3 | 140.4 | 131.6 | 123.7 | 114.9 |
| 55° | 198.4 | 193.5 | 187.6 | 181.7 | 175.8 | 167.9 | 160.1 | 152.2 | 143.4 | 134.5 | 124.7 |
| 52.5° | 212.1 | 206.2 | 200.3 | 194.5 | 187.6 | 180.7 | 172.8 | 164.0 | 155.2 | 145.3 | 135.5 |
| 50° | 227.8 | 221.0 | 213.1 | 206.2 | 198.4 | 191.5 | 183.7 | 174.8 | 166.0 | 155.2 | 145.3 |
| 47.5° | 242.6 | 235.7 | 227.8 | 219.0 | 211.1 | 202.3 | 193.5 | 185.6 | 175.8 | 166.0 | 155.2 |
| 45° | 259.3 | 249.5 | 241.6 | 232.8 | 222.9 | 213.1 | 204.3 | 194.5 | 185.6 | 174.8 | 164.0 |
| 42.5° | 276.9 | 266.1 | 255.3 | 244.5 | 235.7 | 224.9 | 214.1 | 204.3 | 193.5 | 183.7 | 172.8 |
| 40° | 297.6 | 284.8 | 271.1 | 259.3 | 247.5 | 236.7 | 224.9 | 213.1 | 202.3 | 191.5 | 180.7 |
| 37.5° | 324.1 | 306.4 | 288.7 | 274.0 | 260.3 | 247.5 | 235.7 | 222.9 | 211.1 | 198.4 | 187.6 |
| 35° | 355.5 | 331.0 | 310.3 | 289.7 | 274.0 | 259.3 | 244.5 | 232.8 | 219.0 | 206.2 | 194.5 |
| 32.5° | 386.9 | 360.4 | 333.9 | 310.3 | 288.7 | 271.1 | 255.3 | 241.6 | 227.8 | 213.1 | 200.3 |
| 30° | 419.4 | 389.9 | 360.4 | 331.0 | 306.4 | 284.8 | 266.1 | 249.5 | 235.7 | 221.0 | 206.2 |
| 27.5° | 460.6 | 419.4 | 386.9 | 355.5 | 324.1 | 297.6 | 276.9 | 259.3 | 242.6 | 227.8 | 212.1 |
| 25° | 511.7 | 455.7 | 411.5 | 378.1 | 344.7 | 314.3 | 287.8 | 268.1 | 249.5 | 234.7 | 218.0 |
| 22.5° | 567.6 | 498.9 | 442.9 | 399.7 | 364.4 | 329.0 | 299.5 | 276.9 | 257.3 | 239.6 | 223.9 |
| 20° | 644.3 | 546.0 | 475.3 | 422.3 | 383.0 | 345.7 | 312.3 | 284.8 | 264.2 | 245.5 | 228.8 |
| 17.5° | 722.8 | 602.0 | 513.6 | 447.8 | 399.7 | 360.4 | 324.1 | 293.6 | 270.1 | 250.4 | 233.7 |
| 15° | 822.0 | 660.9 | 550.0 | 470.4 | 415.4 | 374.2 | 334.9 | 301.5 | 276.0 | 255.3 | 236.7 |
| 12.5° | 909.4 | 717.9 | 588.3 | 496.9 | 433.1 | 386.0 | 345.7 | 309.4 | 281.9 | 259.3 | 240.6 |
| 10° | 1031.2 | 785.7 | 627.6 | 521.5 | 447.8 | 396.8 | 354.5 | 316.2 | 285.8 | 263.2 | 242.6 |
| 7.5° | 1129.4 | 838.7 | 659.0 | 540.1 | 459.6 | 404.6 | 361.4 | 321.1 | 289.7 | 265.2 | 244.5 |
| 5° | 1201.1 | 878.0 | 680.6 | 554.9 | 468.5 | 409.5 | 366.3 | 325.1 | 291.7 | 267.1 | 246.5 |
| 2.5° | 1244.3 | 909.4 | 699.2 | 565.7 | 475.3 | 414.4 | 370.2 | 328.0 | 293.6 | 269.1 | 247.5 |
| 0° | 1259.0 | 909.4 | 699.2 | 565.7 | 475.3 | 414.4 | 370.2 | 328.0 | 293.6 | 269.1 | 247.5 |



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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° | 4.9 | 3.9 | 3.9 | 3.9 | 2.9 | 2.9 | 2.9 | 2.0 | 2.0 | 2.0 | 1.0 |
| 85° | 8.8 | 8.8 | 7.9 | 6.9 | 6.9 | 5.9 | 4.9 | 4.9 | 3.9 | 2.9 | 2.9 |
| 82.5° | 14.7 | 13.7 | 12.8 | 11.8 | 10.8 | 8.8 | 7.9 | 6.9 | 5.9 | 4.9 | 3.9 |
| 80° | 20.6 | 19.6 | 17.7 | 15.7 | 14.7 | 12.8 | 11.8 | 9.8 | 7.9 | 6.9 | 5.9 |
| 77.5° | 27.5 | 25.5 | 23.6 | 21.6 | 18.7 | 16.7 | 14.7 | 12.8 | 10.8 | 8.8 | 6.9 |
| 75° | 36.3 | 32.4 | 29.5 | 26.5 | 23.6 | 20.6 | 17.7 | 15.7 | 12.8 | 10.8 | 7.9 |
| 72.5° | 45.2 | 41.2 | 36.3 | 32.4 | 28.5 | 25.5 | 21.6 | 18.7 | 15.7 | 12.8 | 9.8 |
| 70° | 54.0 | 49.1 | 44.2 | 39.3 | 34.4 | 29.5 | 25.5 | 21.6 | 17.7 | 14.7 | 11.8 |
| 67.5° | 62.9 | 57.9 | 52.1 | 46.2 | 41.2 | 35.4 | 29.5 | 25.5 | 20.6 | 16.7 | 12.8 |
| 65° | 73.7 | 66.8 | 59.9 | 54.0 | 47.1 | 41.2 | 34.4 | 28.5 | 23.6 | 18.7 | 14.7 |
| 62.5° | 84.5 | 76.6 | 68.7 | 60.9 | 54.0 | 46.2 | 39.3 | 32.4 | 26.5 | 21.6 | 15.7 |
| 60° | 95.3 | 86.4 | 77.6 | 68.7 | 59.9 | 52.1 | 44.2 | 36.3 | 29.5 | 23.6 | 17.7 |
| 57.5° | 106.1 | 96.2 | 86.4 | 76.6 | 66.8 | 57.9 | 49.1 | 41.2 | 32.4 | 25.5 | 19.6 |
| 55° | 115.9 | 106.1 | 95.3 | 84.5 | 73.7 | 62.9 | 54.0 | 45.2 | 36.3 | 27.5 | 20.6 |
| 52.5° | 124.7 | 114.9 | 104.1 | 92.3 | 81.5 | 69.7 | 58.9 | 49.1 | 39.3 | 29.5 | 22.6 |
| 50° | 134.5 | 123.7 | 112.0 | 100.2 | 87.4 | 75.6 | 63.8 | 53.0 | 42.2 | 32.4 | 24.6 |
| 47.5° | 143.4 | 131.6 | 119.8 | 107.0 | 94.3 | 81.5 | 68.7 | 57.0 | 45.2 | 35.4 | 25.5 |
| 45° | 152.2 | 140.4 | 127.7 | 113.9 | 101.2 | 87.4 | 73.7 | 59.9 | 49.1 | 37.3 | 27.5 |
| 42.5° | 160.1 | 147.3 | 134.5 | 121.8 | 107.0 | 93.3 | 78.6 | 63.8 | 52.1 | 40.3 | 28.5 |
| 40° | 167.9 | 155.2 | 141.4 | 127.7 | 112.9 | 98.2 | 83.5 | 68.7 | 55.0 | 42.2 | 30.4 |
| 37.5° | 175.8 | 162.0 | 148.3 | 133.6 | 118.8 | 103.1 | 87.4 | 71.7 | 57.9 | 44.2 | 32.4 |
| 35° | 181.7 | 167.9 | 154.2 | 139.5 | 123.7 | 108.0 | 92.3 | 75.6 | 59.9 | 46.2 | 33.4 |
| 32.5° | 187.6 | 174.8 | 160.1 | 144.4 | 128.7 | 112.9 | 96.2 | 79.5 | 62.9 | 49.1 | 35.4 |
| 30° | 193.5 | 179.7 | 165.0 | 149.3 | 133.6 | 116.9 | 100.2 | 82.5 | 65.8 | 50.1 | 36.3 |
| 27.5° | 198.4 | 184.6 | 169.9 | 154.2 | 137.5 | 120.8 | 103.1 | 85.4 | 67.8 | 52.1 | 38.3 |
| 25° | 203.3 | 189.5 | 174.8 | 158.1 | 141.4 | 123.7 | 106.1 | 88.4 | 70.7 | 54.0 | 39.3 |
| 22.5° | 208.2 | 192.5 | 178.7 | 162.0 | 145.3 | 127.7 | 109.0 | 90.4 | 72.7 | 55.0 | 40.3 |
| 20° | 212.1 | 196.4 | 181.7 | 165.0 | 148.3 | 130.6 | 112.0 | 93.3 | 74.6 | 57.0 | 41.2 |
| 17.5° | 216.1 | 200.3 | 184.6 | 168.9 | 151.2 | 132.6 | 113.9 | 95.3 | 75.6 | 57.9 | 42.2 |
| 15° | 220.0 | 203.3 | 187.6 | 170.9 | 153.2 | 135.5 | 115.9 | 97.2 | 77.6 | 58.9 | 43.2 |
| 12.5° | 222.9 | 205.3 | 189.5 | 173.8 | 155.2 | 137.5 | 117.9 | 98.2 | 78.6 | 59.9 | 43.2 |
| 10° | 224.9 | 207.2 | 191.5 | 175.8 | 157.1 | 138.5 | 118.8 | 100.2 | 79.5 | 60.9 | 44.2 |
| 7.5° | 226.9 | 209.2 | 192.5 | 176.8 | 158.1 | 139.5 | 120.8 | 101.2 | 80.5 | 60.9 | 45.2 |
| 5° | 228.8 | 210.2 | 193.5 | 177.8 | 159.1 | 141.4 | 121.8 | 102.1 | 81.5 | 61.9 | 45.2 |
| 2.5° | 229.8 | 211.1 | 194.5 | 178.7 | 160.1 | 141.4 | 121.8 | 102.1 | 81.5 | 61.9 | 45.2 |
| 0° | 229.8 | 211.1 | 194.5 | 178.7 | 160.1 | 141.4 | 121.8 | 102.1 | 81.5 | 61.9 | 45.2 |



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CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.0 | 1.0 | 0.0 | 0.0 |
| 85° | 2.0 | 1.0 | 1.0 | 0.0 |
| 82.5° | 2.9 | 2.0 | 1.0 | 0.0 |
| 80° | 3.9 | 2.9 | 1.0 | 0.0 |
| 77.5° | 4.9 | 2.9 | 2.0 | 0.0 |
| 75° | 5.9 | 3.9 | 2.0 | 0.0 |
| 72.5° | 6.9 | 4.9 | 2.0 | 0.0 |
| 70° | 7.9 | 4.9 | 2.9 | 0.0 |
| 67.5° | 8.8 | 5.9 | 2.9 | 0.0 |
| 65° | 10.8 | 6.9 | 2.9 | 0.0 |
| 62.5° | 11.8 | 6.9 | 3.9 | 0.0 |
| 60° | 12.8 | 7.9 | 3.9 | 0.0 |
| 57.5° | 13.7 | 8.8 | 3.9 | 0.0 |
| 55° | 14.7 | 8.8 | 4.9 | 0.0 |
| 52.5° | 15.7 | 9.8 | 4.9 | 0.0 |
| 50° | 16.7 | 10.8 | 4.9 | 0.0 |
| 47.5° | 17.7 | 11.8 | 4.9 | 0.0 |
| 45° | 18.7 | 11.8 | 5.9 | 0.0 |
| 42.5° | 20.6 | 12.8 | 5.9 | 0.0 |
| 40° | 21.6 | 12.8 | 5.9 | 0.0 |
| 37.5° | 22.6 | 13.7 | 5.9 | 0.0 |
| 35° | 22.6 | 13.7 | 6.9 | 0.0 |
| 32.5° | 23.6 | 14.7 | 6.9 | 0.0 |
| 30° | 24.6 | 14.7 | 6.9 | 0.0 |
| 27.5° | 25.5 | 15.7 | 6.9 | 0.0 |
| 25° | 26.5 | 15.7 | 6.9 | 0.0 |
| 22.5° | 26.5 | 15.7 | 6.9 | 0.0 |
| 20° | 27.5 | 16.7 | 7.9 | 0.0 |
| 17.5° | 27.5 | 16.7 | 7.9 | 0.0 |
| 15° | 28.5 | 16.7 | 7.9 | 0.0 |
| 12.5° | 28.5 | 17.7 | 7.9 | 0.0 |
| 10° | 28.5 | 17.7 | 7.9 | 0.0 |
| 7.5° | 29.5 | 17.7 | 7.9 | 0.0 |
| 5° | 29.5 | 17.7 | 7.9 | 0.0 |
| 2.5° | 29.5 | 17.7 | 7.9 | 0.0 |
| 0° | 29.5 | 17.7 | 7.9 | 0.0 |

(END OF REPORT)