

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: P723026

Luminaire Tested: **IFLD-S-SA2C-830-U-11**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P723026
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-830-U-11
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

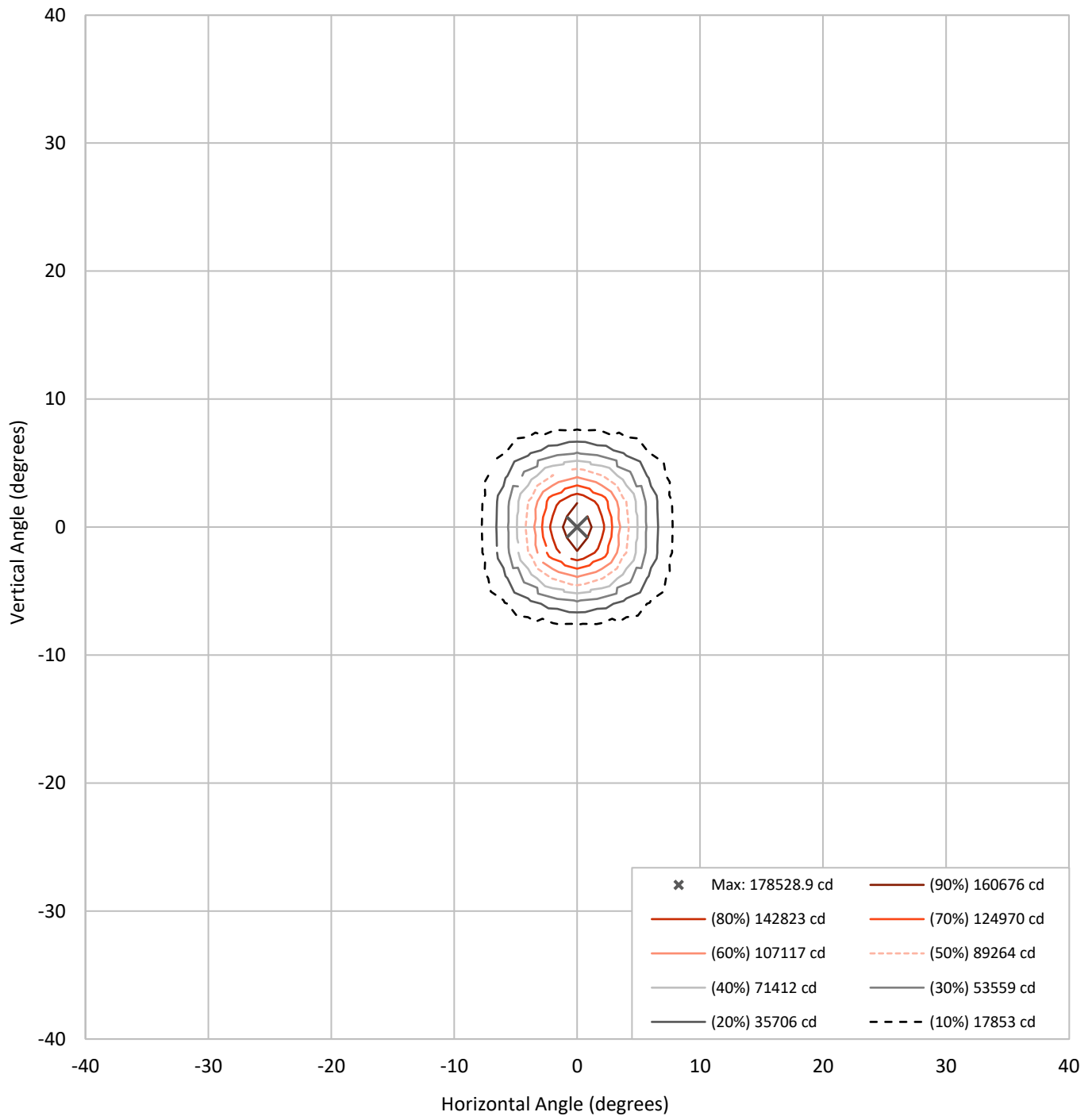
| | | | |
|-------------------|--------------------------------------|----------------------|------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 1H x 1V |
| Luminaire Lumens: | 5956.6 lumens | Max Intensity: | 178528.9 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 55.1 lumens/watt | | |
| Luminous Opening: | Rectangular (W 1' 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: | 2006.8 lumens | Field Lumens: | 3169.8 lumens |
| Beam Efficiency: | 33.7% | Field Efficiency: | 53.2% |

Input Watts (W): 108.2
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





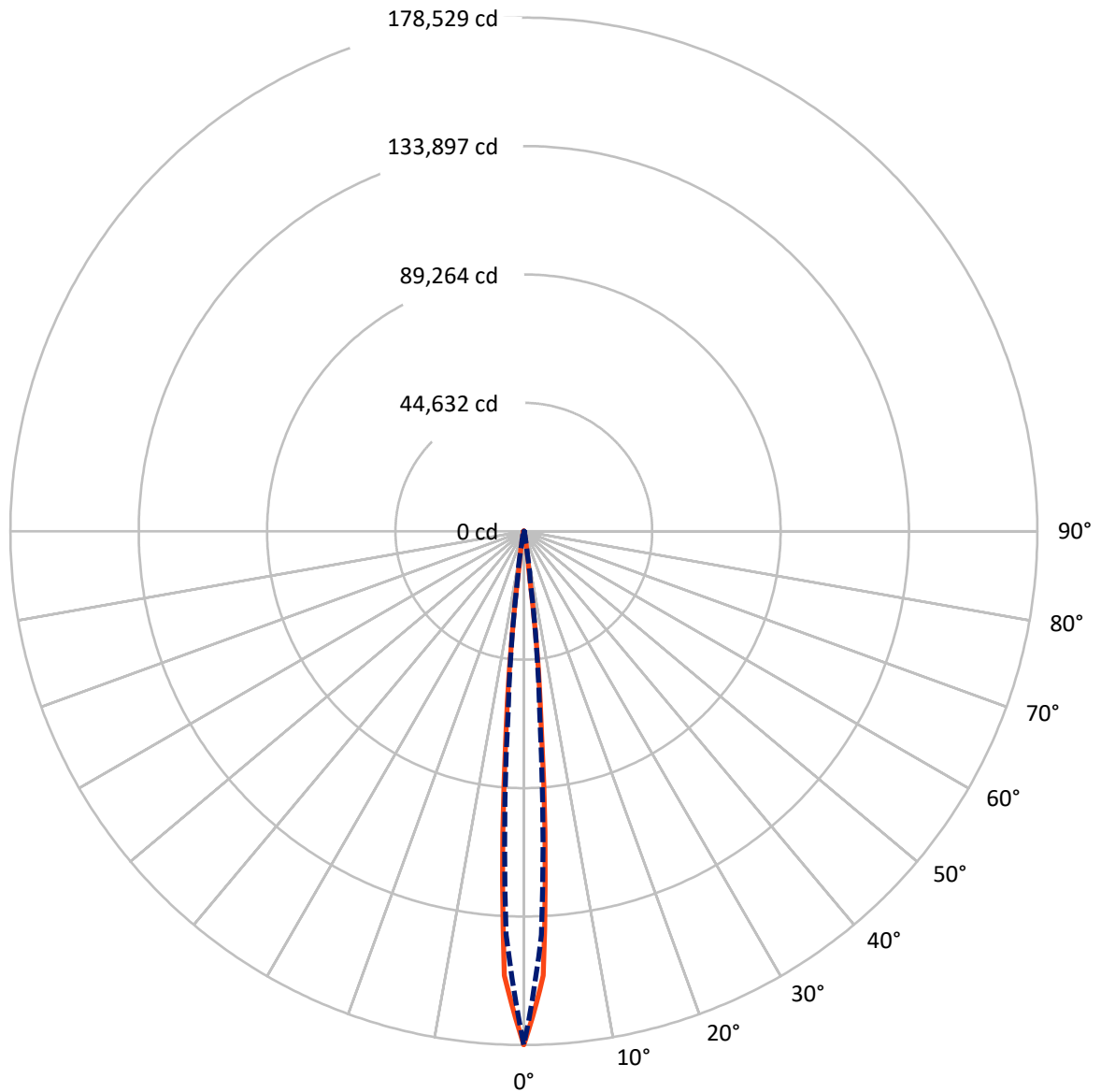
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 CATALOG NUMBER: IFLD-S-SA2C-830-U-11

Lumen Table

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|------|------|--------|--------|------|------|-----|-----|-----|-----|-----|----|----|----|
| 90 | 0.0 | 0.2 | 0.8 | 1.8 | 3.3 | 1.8 | 0.8 | 0.2 | 0.0 | | | | | | | | | | |
| 80 | 0.0 | 0.2 | 0.8 | 1.8 | 3.3 | 1.8 | 0.8 | 0.2 | 0.0 | | | | | | | | | | |
| 70 | 0.1 | 0.1 | 0.4 | 0.8 | 1.3 | 1.6 | 2.6 | 4.8 | 4.8 | 2.6 | 1.6 | 1.3 | 0.8 | 0.4 | 0.1 | 0.1 | | | |
| 60 | | 0.3 | 0.7 | 1.5 | 2.4 | 3.1 | 4.1 | 5.8 | 5.8 | 4.1 | 3.1 | 2.4 | 1.5 | 0.7 | 0.3 | | | | |
| 50 | 0.4 | 0.5 | 1.1 | 2.3 | 3.9 | 5.7 | 7.5 | 9.2 | 9.2 | 7.5 | 5.7 | 3.9 | 2.3 | 1.1 | 0.5 | 0.4 | | | |
| 40 | | 0.8 | 1.6 | 3.3 | 6.0 | 8.0 | 8.9 | 9.5 | 9.5 | 8.9 | 8.0 | 6.0 | 3.3 | 1.6 | 0.8 | | | | |
| 30 | 0.8 | 1.2 | 2.2 | 4.7 | 7.4 | 8.4 | 11.2 | 14.9 | 14.9 | 11.2 | 8.4 | 7.4 | 4.7 | 2.2 | 1.2 | 0.8 | | | |
| 20 | | 1.7 | 3.1 | 6.2 | 8.1 | 10.8 | 21.7 | 41.8 | 41.8 | 21.7 | 10.8 | 8.1 | 6.2 | 3.1 | 1.7 | | | | |
| 10 | 0.9 | 1.9 | 3.7 | 7.0 | 8.5 | 14.3 | 43.3 | 1163.0 | 1163.0 | 43.3 | 14.3 | 8.5 | 7.0 | 3.7 | 1.9 | 0.9 | | | |
| 0 | | 1.9 | 3.7 | 7.0 | 8.5 | 14.3 | 43.3 | 1163.0 | 1163.0 | 43.3 | 14.3 | 8.5 | 7.0 | 3.7 | 1.9 | | | | |
| -10 | 0.8 | 1.7 | 3.1 | 6.2 | 8.1 | 10.8 | 21.7 | 41.8 | 41.8 | 21.7 | 10.8 | 8.1 | 6.2 | 3.1 | 1.7 | 0.8 | | | |
| -20 | | 1.2 | 2.2 | 4.7 | 7.4 | 8.4 | 11.2 | 14.9 | 14.9 | 11.2 | 8.4 | 7.4 | 4.7 | 2.2 | 1.2 | | | | |
| -30 | 0.4 | 0.8 | 1.6 | 3.3 | 6.0 | 8.0 | 8.9 | 9.5 | 9.5 | 8.9 | 8.0 | 6.0 | 3.3 | 1.6 | 0.8 | 0.4 | | | |
| -40 | | 0.5 | 1.1 | 2.3 | 3.9 | 5.7 | 7.5 | 9.2 | 9.2 | 7.5 | 5.7 | 3.9 | 2.3 | 1.1 | 0.5 | | | | |
| -50 | 0.1 | 0.3 | 0.7 | 1.5 | 2.4 | 3.1 | 4.1 | 5.8 | 5.8 | 4.1 | 3.1 | 2.4 | 1.5 | 0.7 | 0.3 | 0.1 | | | |
| -60 | | 0.1 | 0.4 | 0.8 | 1.3 | 1.6 | 2.6 | 4.8 | 4.8 | 2.6 | 1.6 | 1.3 | 0.8 | 0.4 | 0.1 | | | | |
| -70 | 0.0 | 0.2 | 0.8 | 1.8 | 3.3 | 1.8 | 0.8 | 0.2 | 0.0 | | | | | | | 0.0 | | | |
| -80 | | 0.2 | 0.8 | 1.8 | 3.3 | 1.8 | 0.8 | 0.2 | 0.0 | | | | | | | | | | |
| -90 | 0.0 | 0.2 | 0.8 | 1.8 | 3.3 | 1.8 | 0.8 | 0.2 | 0.0 | | | | | | | 0.0 | | | |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 |

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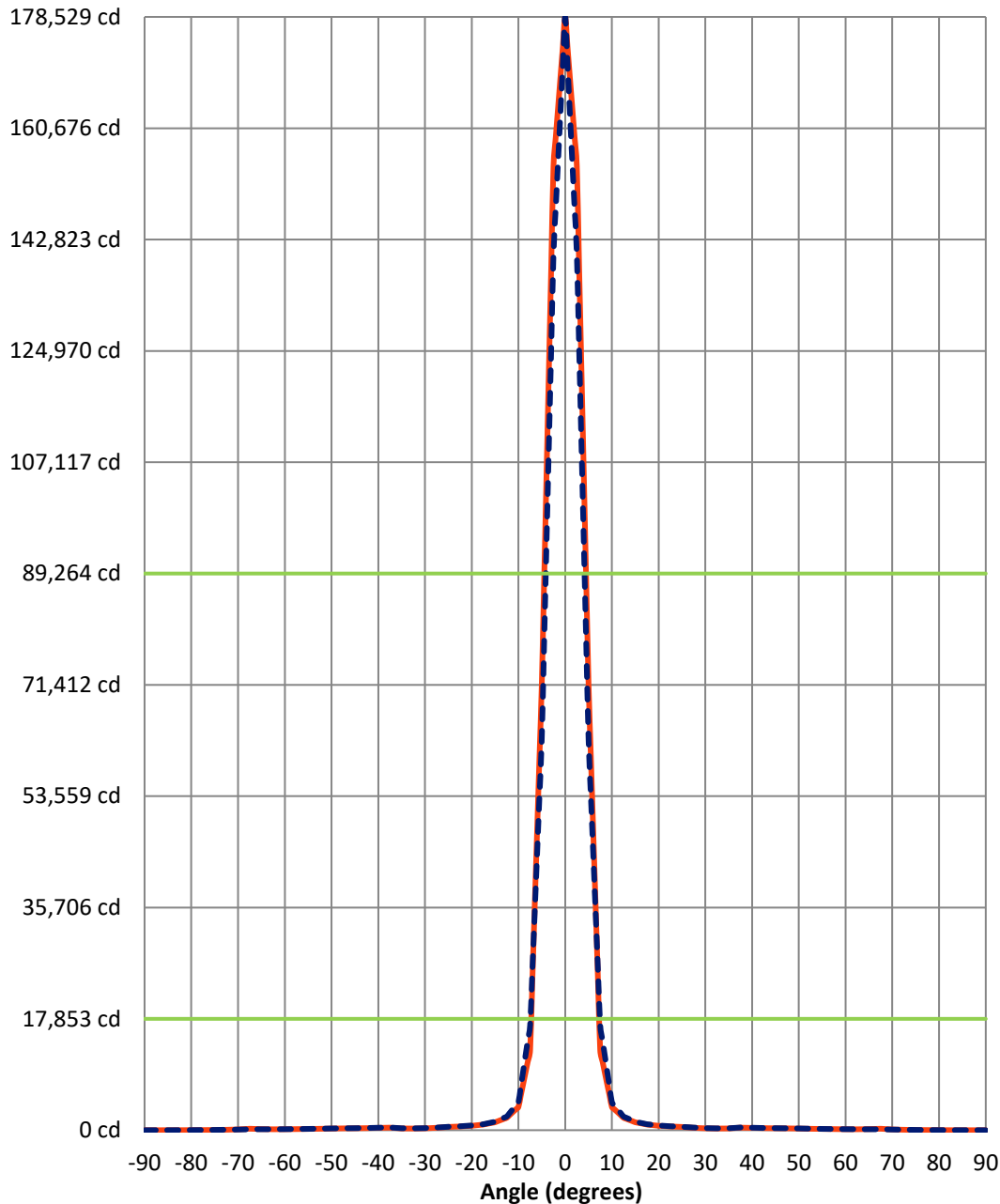
Luminous Intensity Polar Plot



— 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: 2006.8
 Efficiency: 33.7%

Field:
 H Angle: 14.9°
 V Angle: 14.6°
 Lumens: 3169.8
 Efficiency: 53.2%

Spill:
 Lumens: 2786.8
 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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 3.1 | 3.1 | 3.1 | 3.1 |
| 80° | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 10.9 | 10.9 | 9.3 | 7.8 | 7.8 |
| 77.5° | 23.3 | 24.9 | 26.5 | 24.9 | 23.3 | 23.3 | 21.8 | 18.7 | 17.1 | 14.0 | 12.4 |
| 75° | 38.9 | 42.0 | 43.6 | 42.0 | 40.5 | 38.9 | 35.8 | 31.1 | 26.5 | 21.8 | 18.7 |
| 72.5° | 70.0 | 71.6 | 71.6 | 68.5 | 63.8 | 60.7 | 56.0 | 46.7 | 38.9 | 31.1 | 26.5 |
| 70° | 121.4 | 126.0 | 127.6 | 112.0 | 98.0 | 85.6 | 73.1 | 62.2 | 49.8 | 38.9 | 34.2 |
| 67.5° | 233.4 | 227.2 | 216.3 | 174.3 | 135.4 | 101.1 | 77.8 | 68.5 | 57.6 | 46.7 | 43.6 |
| 65° | 175.8 | 171.2 | 164.9 | 143.1 | 121.4 | 98.0 | 82.5 | 73.1 | 65.3 | 56.0 | 54.5 |
| 62.5° | 147.8 | 147.8 | 144.7 | 130.7 | 116.7 | 99.6 | 88.7 | 82.5 | 74.7 | 66.9 | 66.9 |
| 60° | 154.0 | 157.1 | 154.0 | 140.0 | 124.5 | 108.9 | 99.6 | 93.4 | 85.6 | 80.9 | 80.9 |
| 57.5° | 174.3 | 175.8 | 171.2 | 155.6 | 140.0 | 122.9 | 113.6 | 105.8 | 98.0 | 93.4 | 93.4 |
| 55° | 200.7 | 199.2 | 192.9 | 177.4 | 161.8 | 144.7 | 135.4 | 124.5 | 113.6 | 108.9 | 108.9 |
| 52.5° | 225.6 | 227.2 | 220.9 | 206.9 | 189.8 | 172.7 | 161.8 | 147.8 | 135.4 | 130.7 | 127.6 |
| 50° | 261.4 | 262.9 | 258.3 | 244.3 | 230.3 | 213.2 | 196.0 | 177.4 | 163.4 | 157.1 | 150.9 |
| 47.5° | 292.5 | 292.5 | 287.8 | 278.5 | 267.6 | 252.1 | 233.4 | 216.3 | 200.7 | 189.8 | 178.9 |
| 45° | 306.5 | 306.5 | 303.4 | 298.7 | 292.5 | 278.5 | 259.8 | 241.2 | 230.3 | 224.1 | 214.7 |
| 42.5° | 331.4 | 331.4 | 323.6 | 314.3 | 306.5 | 292.5 | 275.4 | 255.2 | 252.1 | 245.8 | 239.6 |
| 40° | 371.9 | 357.9 | 345.4 | 334.5 | 322.1 | 306.5 | 291.0 | 277.0 | 270.7 | 262.9 | 256.7 |
| 37.5° | 409.2 | 390.5 | 371.9 | 354.7 | 340.7 | 328.3 | 308.1 | 297.2 | 289.4 | 280.1 | 273.8 |
| 35° | 281.6 | 275.4 | 283.2 | 292.5 | 306.5 | 328.3 | 342.3 | 326.7 | 309.6 | 298.7 | 291.0 |
| 32.5° | 269.2 | 269.2 | 270.7 | 270.7 | 267.6 | 266.1 | 280.1 | 312.7 | 345.4 | 328.3 | 312.7 |
| 30° | 298.7 | 305.0 | 306.5 | 303.4 | 292.5 | 278.5 | 270.7 | 269.2 | 284.7 | 329.9 | 342.3 |
| 27.5° | 385.9 | 390.5 | 387.4 | 376.5 | 353.2 | 320.5 | 300.3 | 278.5 | 273.8 | 273.8 | 323.6 |
| 25° | 522.8 | 521.2 | 508.8 | 483.9 | 448.1 | 404.5 | 361.0 | 315.9 | 292.5 | 278.5 | 277.0 |
| 22.5° | 600.6 | 600.6 | 591.2 | 577.2 | 553.9 | 510.3 | 449.7 | 389.0 | 331.4 | 298.7 | 280.1 |
| 20° | 706.4 | 709.5 | 698.6 | 672.2 | 630.1 | 591.2 | 546.1 | 474.6 | 399.9 | 334.5 | 297.2 |
| 17.5° | 905.5 | 902.4 | 877.5 | 823.1 | 750.0 | 683.0 | 613.0 | 558.6 | 479.2 | 395.2 | 325.2 |
| 15° | 1269.6 | 1260.3 | 1190.3 | 1064.2 | 927.3 | 809.1 | 706.4 | 616.1 | 553.9 | 459.0 | 373.4 |
| 12.5° | 1985.3 | 1958.9 | 1769.1 | 1470.3 | 1207.4 | 966.2 | 813.7 | 692.4 | 600.6 | 521.2 | 420.1 |
| 10° | 3724.9 | 3696.9 | 3113.4 | 2150.3 | 1652.4 | 1210.5 | 933.5 | 765.5 | 645.7 | 566.4 | 465.2 |
| 7.5° | 12799.0 | 11067.2 | 6850.7 | 4194.7 | 2184.5 | 1499.9 | 1087.6 | 846.4 | 695.5 | 594.4 | 504.1 |
| 5° | 71654.6 | 59299.1 | 31487.1 | 8594.9 | 3463.5 | 1860.9 | 1235.4 | 913.3 | 729.7 | 614.6 | 527.5 |
| 2.5° | 154578.7 | 127692.5 | 61418.2 | 15576.3 | 4267.9 | 2095.8 | 1321.0 | 944.4 | 746.8 | 623.9 | 541.5 |
| 0° | 178528.9 | 140376.3 | 62728.3 | 16858.3 | 4471.7 | 2189.2 | 1358.3 | 958.4 | 754.6 | 630.1 | 546.1 |



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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 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 4.7 | 4.7 | 4.7 | 3.1 | 3.1 | 3.1 |
| 77.5° | 12.4 | 12.4 | 10.9 | 10.9 | 9.3 | 9.3 | 9.3 | 7.8 | 6.2 | 6.2 | 4.7 |
| 75° | 18.7 | 18.7 | 18.7 | 17.1 | 15.6 | 14.0 | 14.0 | 12.4 | 10.9 | 9.3 | 9.3 |
| 72.5° | 26.5 | 26.5 | 26.5 | 24.9 | 23.3 | 21.8 | 18.7 | 17.1 | 15.6 | 14.0 | 12.4 |
| 70° | 34.2 | 34.2 | 34.2 | 32.7 | 32.7 | 31.1 | 28.0 | 24.9 | 21.8 | 18.7 | 17.1 |
| 67.5° | 43.6 | 43.6 | 43.6 | 40.5 | 38.9 | 37.3 | 35.8 | 32.7 | 29.6 | 24.9 | 21.8 |
| 65° | 54.5 | 54.5 | 54.5 | 49.8 | 46.7 | 45.1 | 42.0 | 38.9 | 34.2 | 31.1 | 26.5 |
| 62.5° | 68.5 | 68.5 | 65.3 | 60.7 | 56.0 | 51.3 | 48.2 | 45.1 | 40.5 | 35.8 | 31.1 |
| 60° | 80.9 | 80.9 | 79.4 | 73.1 | 66.9 | 59.1 | 56.0 | 51.3 | 46.7 | 42.0 | 35.8 |
| 57.5° | 93.4 | 93.4 | 90.2 | 84.0 | 77.8 | 71.6 | 65.3 | 60.7 | 54.5 | 48.2 | 42.0 |
| 55° | 107.4 | 105.8 | 101.1 | 94.9 | 88.7 | 82.5 | 77.8 | 71.6 | 65.3 | 57.6 | 48.2 |
| 52.5° | 124.5 | 119.8 | 112.0 | 105.8 | 98.0 | 91.8 | 87.1 | 80.9 | 74.7 | 65.3 | 54.5 |
| 50° | 144.7 | 136.9 | 126.0 | 116.7 | 108.9 | 102.7 | 96.5 | 90.2 | 84.0 | 73.1 | 62.2 |
| 47.5° | 169.6 | 157.1 | 144.7 | 132.3 | 121.4 | 113.6 | 105.8 | 99.6 | 90.2 | 79.4 | 68.5 |
| 45° | 199.2 | 180.5 | 166.5 | 150.9 | 138.5 | 126.0 | 116.7 | 108.9 | 96.5 | 84.0 | 73.1 |
| 42.5° | 228.7 | 213.2 | 192.9 | 172.7 | 157.1 | 141.6 | 129.1 | 116.7 | 104.2 | 90.2 | 77.8 |
| 40° | 248.9 | 236.5 | 222.5 | 200.7 | 178.9 | 160.3 | 143.1 | 126.0 | 110.5 | 96.5 | 82.5 |
| 37.5° | 264.5 | 255.2 | 242.7 | 227.2 | 205.4 | 182.0 | 158.7 | 136.9 | 118.2 | 102.7 | 88.7 |
| 35° | 281.6 | 270.7 | 258.3 | 245.8 | 228.7 | 203.8 | 174.3 | 149.4 | 127.6 | 108.9 | 96.5 |
| 32.5° | 300.3 | 284.7 | 272.3 | 258.3 | 245.8 | 225.6 | 194.5 | 163.4 | 136.9 | 118.2 | 105.8 |
| 30° | 322.1 | 301.8 | 284.7 | 270.7 | 256.7 | 238.1 | 214.7 | 178.9 | 150.9 | 130.7 | 115.1 |
| 27.5° | 345.4 | 315.9 | 297.2 | 281.6 | 267.6 | 250.5 | 228.7 | 197.6 | 168.0 | 143.1 | 124.5 |
| 25° | 323.6 | 339.2 | 309.6 | 292.5 | 277.0 | 259.8 | 241.2 | 220.9 | 186.7 | 158.7 | 136.9 |
| 22.5° | 278.5 | 333.0 | 331.4 | 306.5 | 287.8 | 272.3 | 261.4 | 239.6 | 208.5 | 174.3 | 147.8 |
| 20° | 281.6 | 297.2 | 354.7 | 320.5 | 301.8 | 291.0 | 280.1 | 259.8 | 228.7 | 188.3 | 158.7 |
| 17.5° | 291.0 | 284.7 | 326.7 | 342.3 | 320.5 | 306.5 | 298.7 | 280.1 | 247.4 | 206.9 | 175.8 |
| 15° | 315.9 | 289.4 | 301.8 | 361.0 | 337.6 | 322.1 | 317.4 | 294.1 | 264.5 | 227.2 | 192.9 |
| 12.5° | 337.6 | 297.2 | 291.0 | 348.5 | 353.2 | 336.1 | 325.2 | 305.0 | 278.5 | 244.3 | 208.5 |
| 10° | 373.4 | 315.9 | 295.6 | 334.5 | 368.8 | 348.5 | 331.4 | 314.3 | 289.4 | 259.8 | 224.1 |
| 7.5° | 401.4 | 326.7 | 297.2 | 323.6 | 384.3 | 357.9 | 337.6 | 319.0 | 298.7 | 272.3 | 236.5 |
| 5° | 413.9 | 331.4 | 295.6 | 314.3 | 401.4 | 368.8 | 345.4 | 323.6 | 305.0 | 280.1 | 242.7 |
| 2.5° | 420.1 | 333.0 | 294.1 | 306.5 | 418.5 | 382.8 | 348.5 | 323.6 | 305.0 | 281.6 | 242.7 |
| 0° | 423.2 | 329.9 | 294.1 | 311.2 | 431.0 | 396.8 | 350.1 | 323.6 | 303.4 | 280.1 | 239.6 |



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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° | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 4.7 | 4.7 | 3.1 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 75° | 7.8 | 6.2 | 6.2 | 4.7 | 4.7 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72.5° | 10.9 | 9.3 | 7.8 | 6.2 | 6.2 | 4.7 | 3.1 | 1.6 | 1.6 | 1.6 | 1.6 |
| 70° | 14.0 | 12.4 | 9.3 | 7.8 | 7.8 | 6.2 | 4.7 | 3.1 | 1.6 | 1.6 | 1.6 |
| 67.5° | 18.7 | 15.6 | 12.4 | 9.3 | 9.3 | 7.8 | 6.2 | 4.7 | 3.1 | 1.6 | 1.6 |
| 65° | 23.3 | 18.7 | 15.6 | 12.4 | 10.9 | 9.3 | 7.8 | 6.2 | 4.7 | 1.6 | 1.6 |
| 62.5° | 26.5 | 23.3 | 18.7 | 15.6 | 14.0 | 10.9 | 9.3 | 7.8 | 4.7 | 3.1 | 1.6 |
| 60° | 31.1 | 26.5 | 21.8 | 18.7 | 17.1 | 14.0 | 10.9 | 9.3 | 6.2 | 4.7 | 1.6 |
| 57.5° | 35.8 | 29.6 | 24.9 | 21.8 | 20.2 | 17.1 | 14.0 | 10.9 | 7.8 | 4.7 | 3.1 |
| 55° | 40.5 | 34.2 | 28.0 | 26.5 | 23.3 | 20.2 | 17.1 | 12.4 | 9.3 | 6.2 | 3.1 |
| 52.5° | 45.1 | 37.3 | 32.7 | 31.1 | 28.0 | 23.3 | 18.7 | 15.6 | 10.9 | 7.8 | 4.7 |
| 50° | 51.3 | 42.0 | 37.3 | 35.8 | 31.1 | 26.5 | 21.8 | 18.7 | 14.0 | 9.3 | 4.7 |
| 47.5° | 57.6 | 46.7 | 43.6 | 40.5 | 35.8 | 31.1 | 24.9 | 21.8 | 15.6 | 10.9 | 6.2 |
| 45° | 62.2 | 54.5 | 49.8 | 46.7 | 40.5 | 35.8 | 29.6 | 24.9 | 17.1 | 12.4 | 6.2 |
| 42.5° | 65.3 | 60.7 | 57.6 | 52.9 | 46.7 | 38.9 | 32.7 | 28.0 | 20.2 | 14.0 | 7.8 |
| 40° | 73.1 | 68.5 | 63.8 | 59.1 | 52.9 | 43.6 | 37.3 | 31.1 | 23.3 | 15.6 | 7.8 |
| 37.5° | 80.9 | 74.7 | 70.0 | 65.3 | 59.1 | 49.8 | 43.6 | 34.2 | 26.5 | 17.1 | 9.3 |
| 35° | 88.7 | 82.5 | 76.2 | 71.6 | 65.3 | 57.6 | 48.2 | 38.9 | 29.6 | 18.7 | 10.9 |
| 32.5° | 96.5 | 88.7 | 82.5 | 76.2 | 73.1 | 63.8 | 52.9 | 42.0 | 32.7 | 20.2 | 10.9 |
| 30° | 104.2 | 94.9 | 88.7 | 84.0 | 80.9 | 71.6 | 59.1 | 46.7 | 35.8 | 23.3 | 12.4 |
| 27.5° | 112.0 | 101.1 | 93.4 | 93.4 | 90.2 | 79.4 | 63.8 | 51.3 | 38.9 | 24.9 | 14.0 |
| 25° | 119.8 | 107.4 | 104.2 | 102.7 | 101.1 | 87.1 | 70.0 | 56.0 | 40.5 | 28.0 | 14.0 |
| 22.5° | 127.6 | 118.2 | 113.6 | 112.0 | 108.9 | 94.9 | 76.2 | 59.1 | 43.6 | 29.6 | 15.6 |
| 20° | 140.0 | 130.7 | 124.5 | 119.8 | 118.2 | 104.2 | 82.5 | 63.8 | 46.7 | 29.6 | 15.6 |
| 17.5° | 155.6 | 141.6 | 133.8 | 129.1 | 126.0 | 112.0 | 88.7 | 68.5 | 48.2 | 29.6 | 15.6 |
| 15° | 169.6 | 154.0 | 143.1 | 136.9 | 133.8 | 121.4 | 93.4 | 70.0 | 49.8 | 29.6 | 15.6 |
| 12.5° | 183.6 | 164.9 | 152.5 | 146.3 | 141.6 | 130.7 | 98.0 | 71.6 | 49.8 | 29.6 | 15.6 |
| 10° | 196.0 | 175.8 | 163.4 | 154.0 | 147.8 | 133.8 | 99.6 | 73.1 | 49.8 | 29.6 | 15.6 |
| 7.5° | 206.9 | 185.2 | 168.0 | 154.0 | 147.8 | 136.9 | 99.6 | 74.7 | 49.8 | 29.6 | 17.1 |
| 5° | 208.5 | 185.2 | 166.5 | 154.0 | 149.4 | 138.5 | 101.1 | 74.7 | 49.8 | 28.0 | 15.6 |
| 2.5° | 210.0 | 185.2 | 166.5 | 154.0 | 149.4 | 138.5 | 101.1 | 74.7 | 49.8 | 28.0 | 15.6 |
| 0° | 208.5 | 183.6 | 164.9 | 154.0 | 149.4 | 138.5 | 101.1 | 74.7 | 48.2 | 26.5 | 15.6 |



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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° | 1.6 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.6 | 0.0 | 0.0 | 0.0 |
| 75° | 1.6 | 1.6 | 0.0 | 0.0 |
| 72.5° | 1.6 | 1.6 | 0.0 | 0.0 |
| 70° | 1.6 | 1.6 | 0.0 | 0.0 |
| 67.5° | 1.6 | 1.6 | 0.0 | 0.0 |
| 65° | 1.6 | 1.6 | 0.0 | 0.0 |
| 62.5° | 1.6 | 1.6 | 0.0 | 0.0 |
| 60° | 1.6 | 1.6 | 0.0 | 0.0 |
| 57.5° | 1.6 | 1.6 | 1.6 | 0.0 |
| 55° | 1.6 | 1.6 | 1.6 | 0.0 |
| 52.5° | 1.6 | 1.6 | 1.6 | 0.0 |
| 50° | 1.6 | 1.6 | 1.6 | 0.0 |
| 47.5° | 1.6 | 1.6 | 1.6 | 0.0 |
| 45° | 1.6 | 1.6 | 1.6 | 0.0 |
| 42.5° | 3.1 | 1.6 | 1.6 | 0.0 |
| 40° | 3.1 | 1.6 | 1.6 | 0.0 |
| 37.5° | 4.7 | 1.6 | 1.6 | 0.0 |
| 35° | 4.7 | 1.6 | 1.6 | 0.0 |
| 32.5° | 4.7 | 1.6 | 1.6 | 0.0 |
| 30° | 4.7 | 1.6 | 1.6 | 0.0 |
| 27.5° | 6.2 | 1.6 | 1.6 | 0.0 |
| 25° | 6.2 | 1.6 | 1.6 | 0.0 |
| 22.5° | 6.2 | 1.6 | 1.6 | 0.0 |
| 20° | 6.2 | 1.6 | 1.6 | 0.0 |
| 17.5° | 6.2 | 1.6 | 1.6 | 0.0 |
| 15° | 7.8 | 1.6 | 1.6 | 0.0 |
| 12.5° | 7.8 | 1.6 | 1.6 | 0.0 |
| 10° | 7.8 | 1.6 | 1.6 | 0.0 |
| 7.5° | 7.8 | 1.6 | 1.6 | 0.0 |
| 5° | 7.8 | 1.6 | 1.6 | 0.0 |
| 2.5° | 7.8 | 1.6 | 1.6 | 0.0 |
| 0° | 7.8 | 1.6 | 1.6 | 0.0 |

(END OF REPORT)