

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

Brand: NEO-RAY

Report Number: P1007401

Luminaire Tested: S122IP-B530UB35-4F0-XX-W2A-4

Issue Date: 5/5/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1007401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122IP-B530UB35-4F0-XX-W2A-4  
Description: Define 2 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

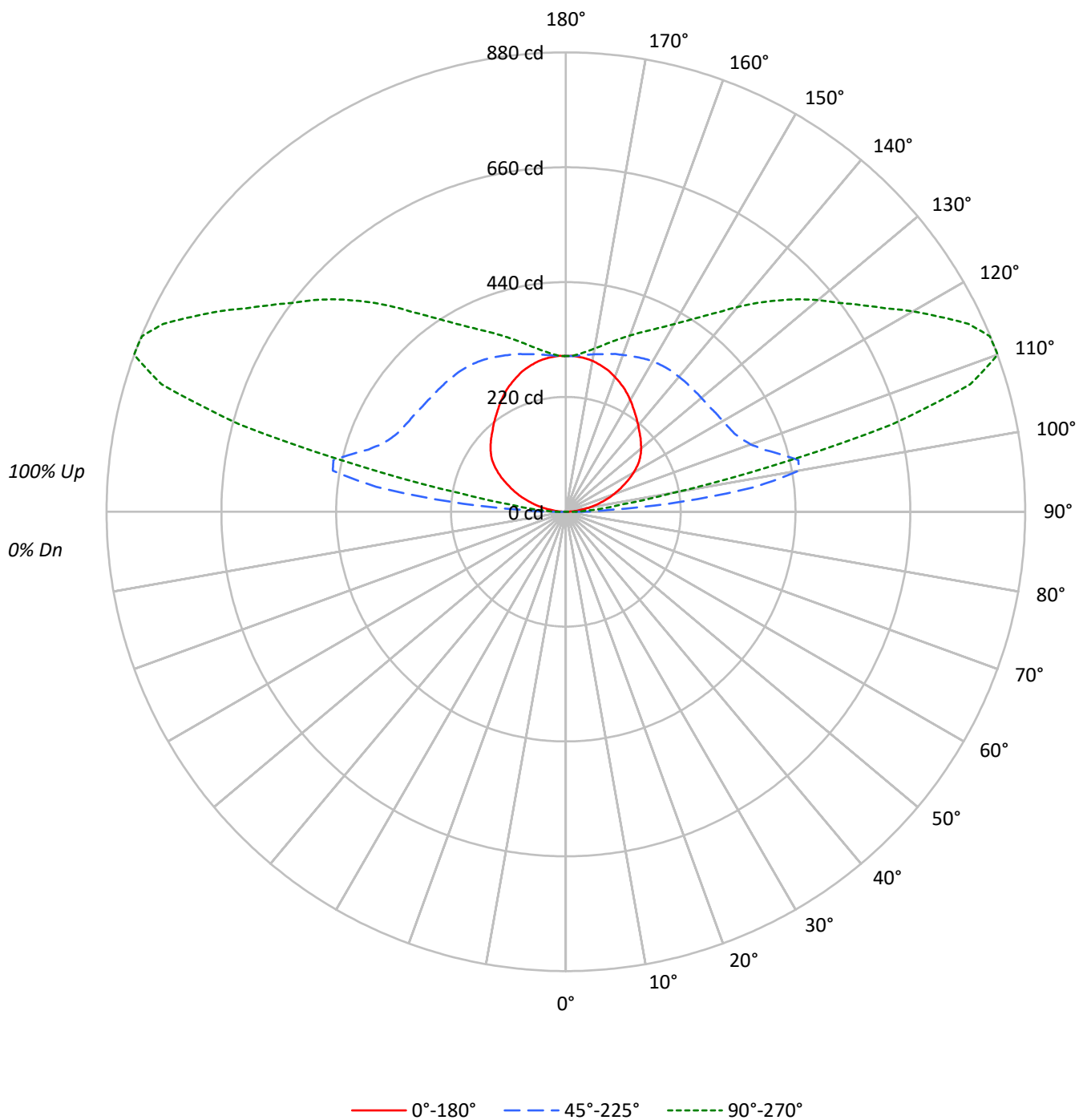
Lumens per Lamp: N/A  
Luminaire Lumens: 2080.0 lumens  
Efficiency: N/A  
Efficacy: 135.1 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Indirect

Input Watts (W): 15.4  
Input Voltage (V):  
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: 24 FT

TEST NUMBER: P1007401

CATALOG NUMBER: S122IP-B530UB35-4F0-XX-W2A-4

### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |
| RC  | 80 |    |    |    | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |
| RW  | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 |
| 1   | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9  | 9  | 8  |
| 2   | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8  | 7  | 7  |
| 3   | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7  | 6  | 6  |
| 4   | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6  | 6  | 5  |
| 5   | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5  | 5  | 4  |
| 6   | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5  | 4  | 4  |
| 7   | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4  | 4  | 3  |
| 8   | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9  | 4  | 3  | 3  |
| 9   | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9  | 8  | 4  | 3  | 3  |
| 10  | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8  | 7  | 3  | 3  | 2  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0° | 45° | 90° |
|-----|----|-----|-----|
| 0°  | 0  | 0   | 0   |
| 5°  | 0  | 0   | 0   |
| 10° | 0  | 0   | 0   |
| 15° | 0  | 0   | 0   |
| 20° | 0  | 0   | 0   |
| 25° | 0  | 0   | 0   |
| 30° | 0  | 0   | 0   |
| 35° | 0  | 0   | 0   |
| 40° | 0  | 0   | 0   |
| 45° | 0  | 0   | 0   |
| 50° | 0  | 0   | 0   |
| 55° | 0  | 0   | 0   |
| 60° | 0  | 0   | 0   |
| 65° | 0  | 0   | 0   |
| 70° | 0  | 0   | 0   |
| 75° | 0  | 0   | 0   |
| 80° | 0  | 0   | 0   |
| 85° | 0  | 0   | 0   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
Vertical Angle: 0°  
Luminance: 0 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.0    | 0.0       |
| 10°-20°   | 0.0    | 0.0       |
| 20°-30°   | 0.0    | 0.0       |
| 30°-40°   | 0.0    | 0.0       |
| 40°-50°   | 0.0    | 0.0       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 1.9    | 0.1       |
| 90°-100°  | 116.3  | 5.6       |
| 100°-110° | 409.7  | 19.7      |
| 110°-120° | 430.2  | 20.7      |
| 120°-130° | 354.0  | 17.0      |
| 130°-140° | 284.3  | 13.7      |
| 140°-150° | 214.8  | 10.3      |
| 150°-160° | 151.0  | 7.3       |
| 160°-170° | 88.9   | 4.3       |
| 170°-180° | 28.9   | 1.4       |
| 0°-30°    | 0.0    | 0.0       |
| 0°-40°    | 0.0    | 0.0       |
| 0°-60°    | 0.0    | 0.0       |
| 0°-90°    | 1.9    | 0.1       |
| 90°-120°  | 956.2  | 46.0      |
| 90°-150°  | 1809.3 | 87.0      |
| 90°-180°  | 2078.0 | 99.9      |
| 0°-180°   | 2080.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 0   | 0     | 0   | 0     | 0   |      |
| 5°   | 0   | 0     | 0   | 0     | 0   | 0    |
| 15°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 25°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 35°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 45°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 55°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 65°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 75°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 85°  | 0   | 0     | 0   | 0     | 0   | 0    |
| 90°  | 1   | 8     | 20  | 19    | 19  | 1    |
| 95°  | 20  | 49    | 225 | 85    | 65  | 21   |
| 105° | 70  | 106   | 425 | 760   | 647 | 74   |
| 115° | 123 | 156   | 356 | 734   | 851 | 122  |
| 125° | 172 | 204   | 342 | 595   | 690 | 153  |
| 135° | 202 | 241   | 338 | 500   | 572 | 156  |
| 145° | 231 | 265   | 336 | 418   | 457 | 145  |
| 155° | 262 | 283   | 326 | 369   | 384 | 121  |
| 165° | 286 | 294   | 313 | 332   | 337 | 81   |
| 175° | 298 | 298   | 301 | 304   | 304 | 28   |
| 180° | 298 | 298   | 298 | 298   | 298 |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5°     | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 7.5°   | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 12.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 17.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 20°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 22.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 25°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 27.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 30°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 32.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 35°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 37.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 40°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 42.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 45°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 47.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 50°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 52.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°    | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 0.0  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°    | 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   |
| 90°    | 0.6  | 2.3  | 4.6   | 5.7   | 6.9   | 8.6   | 11.5  | 15.5  | 18.9  | 19.5  | 18.9  |
| 92.5°  | 8.6  | 12.1 | 16.6  | 19.5  | 24.1  | 30.4  | 45.9  | 67.7  | 87.2  | 88.4  | 74.0  |
| 95°    | 20.1 | 22.4 | 28.1  | 33.3  | 42.5  | 56.2  | 82.6  | 132.6 | 199.1 | 224.9 | 196.8 |
| 97.5°  | 29.8 | 33.3 | 39.6  | 47.1  | 57.4  | 72.9  | 106.7 | 176.2 | 283.5 | 366.7 | 369.6 |
| 100°   | 44.2 | 45.9 | 51.1  | 60.3  | 71.7  | 87.8  | 118.2 | 188.2 | 312.2 | 453.3 | 536.0 |
| 102.5° | 57.4 | 58.5 | 63.7  | 72.9  | 84.9  | 101.0 | 128.5 | 188.8 | 301.3 | 456.2 | 598.0 |
| 105°   | 70.0 | 72.3 | 76.3  | 84.9  | 97.6  | 113.6 | 140.6 | 191.7 | 286.4 | 425.2 | 577.9 |
| 107.5° | 83.8 | 85.5 | 89.5  | 97.6  | 110.2 | 126.2 | 152.6 | 198.0 | 278.3 | 396.5 | 535.4 |
| 110°   | 97.6 | 99.9 | 103.3 | 110.8 | 122.8 | 139.4 | 164.7 | 206.0 | 276.0 | 377.0 | 495.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 110.2 | 112.5 | 116.5 | 123.4 | 134.9 | 152.1 | 176.2 | 214.6 | 276.6 | 364.4 | 468.3 |
| 115°   | 123.4 | 126.2 | 129.7 | 136.6 | 148.1 | 163.5 | 188.2 | 223.2 | 278.9 | 355.8 | 446.5 |
| 117.5° | 137.2 | 139.4 | 142.9 | 149.2 | 160.1 | 176.2 | 199.1 | 232.4 | 282.3 | 351.2 | 431.5 |
| 120°   | 149.8 | 152.1 | 155.5 | 160.7 | 172.2 | 188.2 | 210.6 | 241.6 | 285.8 | 347.2 | 420.1 |
| 122.5° | 161.8 | 163.5 | 167.0 | 172.7 | 184.2 | 200.8 | 221.5 | 249.6 | 289.8 | 344.9 | 410.3 |
| 125°   | 172.2 | 173.9 | 177.3 | 184.2 | 195.7 | 211.8 | 232.4 | 258.2 | 293.8 | 342.0 | 401.1 |
| 127.5° | 180.8 | 183.1 | 187.6 | 195.1 | 206.0 | 222.7 | 242.7 | 266.3 | 297.8 | 340.3 | 392.5 |
| 130°   | 188.2 | 190.5 | 196.3 | 204.3 | 215.8 | 231.8 | 251.9 | 273.7 | 302.4 | 339.1 | 383.9 |
| 132.5° | 195.1 | 198.0 | 204.3 | 212.9 | 224.9 | 241.0 | 260.0 | 281.2 | 307.0 | 338.6 | 377.0 |
| 135°   | 202.0 | 204.3 | 211.2 | 219.8 | 233.0 | 249.1 | 267.4 | 287.5 | 310.5 | 338.0 | 370.7 |
| 137.5° | 208.3 | 211.2 | 218.1 | 227.2 | 240.4 | 255.4 | 273.7 | 292.7 | 313.9 | 338.0 | 366.1 |
| 140°   | 215.8 | 218.1 | 224.9 | 234.1 | 246.8 | 261.7 | 278.9 | 296.7 | 316.2 | 337.4 | 362.1 |
| 142.5° | 223.2 | 224.9 | 231.3 | 240.4 | 252.5 | 266.3 | 282.9 | 300.1 | 317.9 | 337.4 | 358.1 |
| 145°   | 230.7 | 233.0 | 238.7 | 247.3 | 258.8 | 271.4 | 286.9 | 303.0 | 319.1 | 336.3 | 354.6 |
| 147.5° | 238.7 | 240.4 | 246.2 | 254.2 | 264.0 | 275.4 | 290.4 | 304.7 | 319.6 | 334.6 | 351.2 |
| 150°   | 246.8 | 248.5 | 253.1 | 260.5 | 269.1 | 279.5 | 292.7 | 305.9 | 319.1 | 332.8 | 346.6 |
| 152.5° | 254.8 | 255.4 | 260.0 | 266.3 | 274.3 | 283.5 | 295.0 | 306.4 | 317.9 | 330.0 | 342.6 |
| 155°   | 262.2 | 262.8 | 266.3 | 272.6 | 278.9 | 287.5 | 297.3 | 307.0 | 316.8 | 326.5 | 337.4 |
| 157.5° | 268.6 | 269.1 | 272.0 | 277.7 | 282.9 | 290.4 | 299.0 | 307.0 | 314.5 | 323.1 | 332.8 |
| 160°   | 274.9 | 275.4 | 277.7 | 282.3 | 286.9 | 293.2 | 300.1 | 307.0 | 312.7 | 319.6 | 327.7 |
| 162.5° | 281.2 | 280.6 | 282.9 | 286.4 | 290.4 | 295.0 | 300.7 | 306.4 | 311.0 | 316.8 | 323.1 |
| 165°   | 285.8 | 285.2 | 286.4 | 289.8 | 292.7 | 296.1 | 301.3 | 305.3 | 308.7 | 312.7 | 317.9 |
| 167.5° | 289.8 | 289.2 | 290.4 | 292.7 | 295.0 | 297.3 | 301.3 | 304.7 | 306.4 | 309.3 | 312.7 |
| 170°   | 293.8 | 292.7 | 293.2 | 295.0 | 296.1 | 297.8 | 300.7 | 303.6 | 304.7 | 306.4 | 308.7 |
| 172.5° | 296.1 | 295.5 | 295.0 | 296.7 | 297.3 | 298.4 | 300.1 | 301.8 | 302.4 | 303.0 | 304.7 |
| 175°   | 297.8 | 297.3 | 296.7 | 297.8 | 297.8 | 298.4 | 299.6 | 300.7 | 300.1 | 300.7 | 301.3 |
| 177.5° | 299.0 | 297.8 | 297.3 | 298.4 | 298.4 | 298.4 | 299.0 | 300.1 | 299.0 | 298.4 | 299.0 |
| 180°   | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 |

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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5°     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 7.5°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 12.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 15°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 17.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 20°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 22.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 25°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 27.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 30°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 32.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 35°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 37.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 40°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 42.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 45°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 47.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 50°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 52.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°    | 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   |
| 90°    | 18.4  | 17.2  | 18.4  | 18.9  | 18.9  | 18.9  | 18.9  | 18.9  |
| 92.5°  | 58.0  | 49.4  | 43.0  | 38.4  | 37.9  | 35.6  | 36.2  | 35.0  |
| 95°    | 150.3 | 115.3 | 91.2  | 78.6  | 71.2  | 66.6  | 64.8  | 65.4  |
| 97.5°  | 307.6 | 245.6 | 187.6 | 153.2 | 130.8 | 119.4 | 113.0 | 109.6 |
| 100°   | 523.9 | 452.8 | 374.2 | 304.7 | 257.1 | 232.4 | 215.8 | 205.4 |
| 102.5° | 665.7 | 663.4 | 611.2 | 536.6 | 483.8 | 437.3 | 415.5 | 400.5 |
| 105°   | 697.2 | 762.1 | 769.5 | 750.6 | 715.0 | 679.4 | 654.8 | 646.7 |
| 107.5° | 663.4 | 759.8 | 816.0 | 839.0 | 838.4 | 833.2 | 825.8 | 812.6 |
| 110°   | 616.9 | 719.6 | 793.1 | 840.1 | 864.8 | 875.7 | 880.9 | 880.3 |



TEST NUMBER: P1007401

CATALOG NUMBER: S122IP-B530UB35-4F0-XX-W2A-4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 574.4 | 672.0 | 751.7 | 807.4 | 844.1 | 864.2 | 875.1 | 879.1 |
| 115°   | 541.1 | 629.5 | 704.7 | 763.8 | 804.5 | 830.9 | 845.9 | 851.0 |
| 117.5° | 513.6 | 592.8 | 662.8 | 719.0 | 760.9 | 789.0 | 804.5 | 808.6 |
| 120°   | 494.1 | 565.2 | 626.1 | 678.3 | 718.5 | 745.4 | 762.1 | 767.8 |
| 122.5° | 478.6 | 542.3 | 599.1 | 645.0 | 680.0 | 706.4 | 720.8 | 725.3 |
| 125°   | 463.7 | 522.8 | 573.3 | 616.3 | 649.6 | 671.4 | 685.8 | 690.3 |
| 127.5° | 448.8 | 503.3 | 551.5 | 591.6 | 620.9 | 641.6 | 654.2 | 657.6 |
| 130°   | 434.4 | 483.8 | 529.1 | 567.0 | 595.1 | 614.6 | 626.1 | 630.7 |
| 132.5° | 420.6 | 465.4 | 506.1 | 541.1 | 568.7 | 588.2 | 598.5 | 602.5 |
| 135°   | 408.0 | 445.9 | 483.8 | 515.9 | 540.6 | 559.5 | 569.8 | 572.1 |
| 137.5° | 397.7 | 430.4 | 461.4 | 490.1 | 513.6 | 530.2 | 539.4 | 542.9 |
| 140°   | 387.9 | 415.5 | 441.9 | 467.1 | 485.5 | 500.4 | 509.0 | 512.4 |
| 142.5° | 379.9 | 402.3 | 424.1 | 444.2 | 461.4 | 474.6 | 482.0 | 482.0 |
| 145°   | 372.4 | 391.4 | 409.2 | 425.8 | 439.6 | 449.3 | 455.1 | 456.8 |
| 147.5° | 366.7 | 382.2 | 396.5 | 409.2 | 421.2 | 429.2 | 433.3 | 434.4 |
| 150°   | 360.4 | 373.0 | 385.1 | 395.4 | 404.0 | 410.9 | 414.3 | 414.9 |
| 152.5° | 354.1 | 365.5 | 375.3 | 383.9 | 390.2 | 396.0 | 398.3 | 398.3 |
| 155°   | 348.3 | 357.5 | 366.1 | 372.4 | 378.7 | 382.8 | 385.1 | 383.9 |
| 157.5° | 341.4 | 349.5 | 356.9 | 362.1 | 366.7 | 370.1 | 371.3 | 371.3 |
| 160°   | 335.1 | 341.4 | 347.8 | 351.8 | 355.8 | 358.7 | 359.2 | 359.2 |
| 162.5° | 328.8 | 334.0 | 339.1 | 342.0 | 346.0 | 347.8 | 348.3 | 347.8 |
| 165°   | 322.5 | 326.5 | 330.5 | 332.8 | 335.1 | 337.4 | 337.4 | 336.9 |
| 167.5° | 316.2 | 319.6 | 322.5 | 324.8 | 325.9 | 327.1 | 327.1 | 326.5 |
| 170°   | 311.6 | 313.3 | 315.6 | 316.8 | 317.3 | 319.1 | 318.5 | 317.3 |
| 172.5° | 306.4 | 307.6 | 309.3 | 309.9 | 310.5 | 311.0 | 310.5 | 309.9 |
| 175°   | 303.0 | 303.6 | 304.1 | 304.7 | 304.7 | 305.3 | 304.7 | 303.6 |
| 177.5° | 300.1 | 300.1 | 300.7 | 300.7 | 300.7 | 300.7 | 300.1 | 299.0 |
| 180°   | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 | 298.4 |

(END OF REPORT)