

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331362-935

Luminaire Tested: **S122DIP-S675D925U935-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331362-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIP-S675D925U935-4F0-1E-UDD-D4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5427.2 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')  
CIE Type: Semi-Indirect

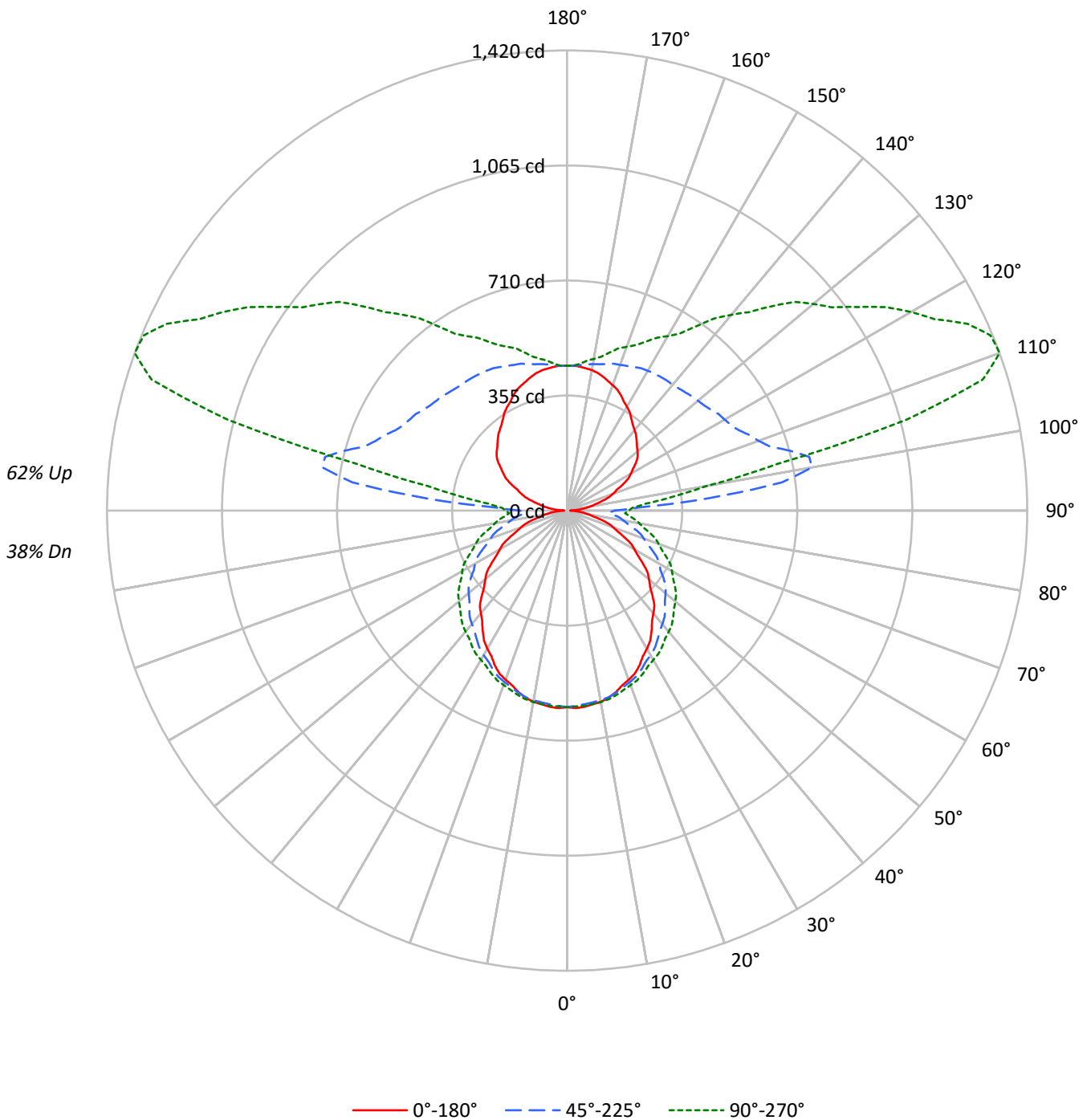
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331362-935

CATALOG NUMBER: S122DIP-S675D925U935-4F0-1E-UDD-D4

### Luminous Intensity Polar Plot





TEST NUMBER: P331362-935

CATALOG NUMBER: S122DIP-S675D925U935-4F0-1E-UDD-D4

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

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 60 | 60 | 60 | 45 | 45 | 45 | 38 |
| 1   | 94  | 89  | 85  | 81  | 85 | 81 | 77 | 74 | 65 | 63 | 60 | 51 | 49 | 48 | 38 | 37 | 36 | 30 |
| 2   | 85  | 77  | 71  | 65  | 77 | 70 | 64 | 60 | 57 | 53 | 49 | 44 | 41 | 39 | 33 | 31 | 29 | 24 |
| 3   | 77  | 67  | 60  | 54  | 70 | 61 | 55 | 49 | 50 | 45 | 41 | 39 | 35 | 32 | 29 | 26 | 24 | 20 |
| 4   | 70  | 59  | 51  | 45  | 63 | 54 | 47 | 41 | 44 | 38 | 34 | 34 | 30 | 27 | 25 | 23 | 21 | 17 |
| 5   | 64  | 53  | 44  | 38  | 58 | 48 | 41 | 35 | 39 | 33 | 29 | 31 | 27 | 23 | 23 | 20 | 18 | 14 |
| 6   | 59  | 47  | 39  | 33  | 53 | 43 | 36 | 30 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 18 | 15 | 12 |
| 7   | 55  | 42  | 34  | 29  | 49 | 39 | 31 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8   | 51  | 38  | 30  | 25  | 46 | 35 | 28 | 23 | 29 | 23 | 19 | 23 | 19 | 16 | 17 | 14 | 12 | 10 |
| 9   | 47  | 35  | 27  | 22  | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9  |
| 10  | 44  | 32  | 25  | 20  | 40 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 13 | 15 | 12 | 10 | 8  |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9792 | 9792 | 9792 |
| 5°  | 9839 | 9426 | 9390 |
| 10° | 9778 | 9148 | 9044 |
| 15° | 9643 | 8853 | 8681 |
| 20° | 9473 | 8536 | 8331 |
| 25° | 9305 | 8231 | 8014 |
| 30° | 9067 | 7919 | 7694 |
| 35° | 8828 | 7615 | 7468 |
| 40° | 8576 | 7358 | 7243 |
| 45° | 8334 | 7127 | 7051 |
| 50° | 8078 | 6920 | 6861 |
| 55° | 7810 | 6696 | 6668 |
| 60° | 7480 | 6465 | 6465 |
| 65° | 7135 | 6192 | 6222 |
| 70° | 6751 | 5899 | 5960 |
| 75° | 6257 | 5612 | 5720 |
| 80° | 5488 | 5319 | 5476 |
| 85° | 4743 | 5064 | 5286 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.5   | 1.1       |
| 10°-20°   | 164.8  | 3.0       |
| 20°-30°   | 249.7  | 4.6       |
| 30°-40°   | 304.2  | 5.6       |
| 40°-50°   | 327.2  | 6.0       |
| 50°-60°   | 317.8  | 5.9       |
| 60°-70°   | 277.5  | 5.1       |
| 70°-80°   | 213.6  | 3.9       |
| 80°-90°   | 147.4  | 2.7       |
| 90°-100°  | 277.4  | 5.1       |
| 100°-110° | 678.4  | 12.5      |
| 110°-120° | 691.7  | 12.7      |
| 120°-130° | 556.8  | 10.3      |
| 130°-140° | 436.9  | 8.1       |
| 140°-150° | 323.7  | 6.0       |
| 150°-160° | 226.1  | 4.2       |
| 160°-170° | 133.1  | 2.5       |
| 170°-180° | 43.3   | 0.8       |
| 0°-30°    | 472.0  | 8.7       |
| 0°-40°    | 776.1  | 14.3      |
| 0°-60°    | 1421.1 | 26.2      |
| 0°-90°    | 2059.6 | 37.9      |
| 90°-120°  | 1647.6 | 30.4      |
| 90°-150°  | 2965.0 | 54.6      |
| 90°-180°  | 3368.0 | 62.1      |
| 0°-180°   | 5427.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90°  | Flux |
|------|-----|-------|-----|-------|------|------|
| 0°   | 606 | 606   | 606 | 606   | 606  |      |
| 5°   | 608 | 605   | 600 | 605   | 605  | 58   |
| 15°  | 580 | 582   | 582 | 589   | 589  | 163  |
| 25°  | 527 | 534   | 541 | 552   | 555  | 242  |
| 35°  | 454 | 469   | 486 | 505   | 512  | 284  |
| 45°  | 373 | 397   | 427 | 453   | 463  | 288  |
| 55°  | 286 | 318   | 363 | 394   | 406  | 255  |
| 65°  | 195 | 239   | 290 | 325   | 338  | 194  |
| 75°  | 108 | 158   | 214 | 250   | 263  | 114  |
| 85°  | 32  | 86    | 142 | 178   | 192  | 34   |
| 90°  | 10  | 72    | 145 | 178   | 190  | 8    |
| 95°  | 37  | 123   | 438 | 260   | 243  | 37   |
| 105° | 109 | 189   | 712 | 1243  | 1084 | 116  |
| 115° | 188 | 248   | 586 | 1178  | 1363 | 186  |
| 125° | 260 | 308   | 542 | 943   | 1095 | 231  |
| 135° | 303 | 362   | 516 | 776   | 892  | 235  |
| 145° | 345 | 397   | 504 | 630   | 694  | 217  |
| 155° | 393 | 424   | 489 | 553   | 575  | 181  |
| 165° | 428 | 441   | 468 | 497   | 504  | 121  |
| 175° | 446 | 446   | 450 | 456   | 455  | 42   |
| 180° | 447 | 447   | 447 | 447   | 447  |      |



TEST NUMBER: P331362-935

CATALOG NUMBER: S122DIP-S675D925U935-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 | 606.5 |
| 2.5°   | 610.0 | 609.5 | 609.1 | 608.6 | 608.1 | 607.3 | 606.2 | 605.1 | 604.1 | 603.0 | 603.7 |
| 5°     | 608.2 | 607.6 | 607.1 | 606.5 | 605.9 | 605.0 | 603.8 | 602.7 | 601.5 | 600.3 | 601.5 |
| 7.5°   | 602.8 | 602.4 | 602.0 | 601.6 | 601.2 | 600.5 | 599.7 | 598.7 | 597.9 | 597.0 | 598.4 |
| 10°    | 598.6 | 598.1 | 597.8 | 597.4 | 597.0 | 596.5 | 595.9 | 595.4 | 594.8 | 594.2 | 595.7 |
| 12.5°  | 591.5 | 591.6 | 591.7 | 591.8 | 591.9 | 591.7 | 591.2 | 590.8 | 590.4 | 590.0 | 591.5 |
| 15°    | 580.1 | 580.5 | 580.9 | 581.3 | 581.7 | 581.9 | 581.9 | 581.9 | 581.9 | 581.9 | 583.6 |
| 17.5°  | 565.3 | 566.2 | 567.0 | 567.8 | 568.6 | 569.4 | 570.0 | 570.6 | 571.2 | 571.9 | 573.7 |
| 20°    | 555.5 | 556.5 | 557.4 | 558.4 | 559.4 | 560.3 | 561.0 | 561.9 | 562.7 | 563.4 | 565.6 |
| 22.5°  | 544.9 | 546.0 | 547.3 | 548.4 | 549.5 | 550.6 | 551.7 | 552.8 | 553.9 | 555.0 | 557.2 |
| 25°    | 527.4 | 528.7 | 530.1 | 531.5 | 532.9 | 534.4 | 536.1 | 538.0 | 539.7 | 541.4 | 543.8 |
| 27.5°  | 506.3 | 508.5 | 510.7 | 513.0 | 515.2 | 517.4 | 519.4 | 521.5 | 523.6 | 525.6 | 528.6 |
| 30°    | 492.2 | 494.7 | 497.3 | 499.8 | 502.4 | 504.9 | 507.5 | 510.0 | 512.6 | 515.1 | 518.1 |
| 32.5°  | 476.7 | 479.6 | 482.4 | 485.3 | 488.2 | 491.1 | 494.1 | 497.1 | 500.1 | 503.1 | 506.7 |
| 35°    | 454.4 | 457.7 | 461.1 | 464.3 | 467.7 | 471.2 | 474.9 | 478.6 | 482.3 | 486.0 | 490.3 |
| 37.5°  | 430.2 | 434.0 | 437.8 | 441.6 | 445.5 | 449.8 | 454.6 | 459.4 | 464.2 | 469.0 | 473.8 |
| 40°    | 414.0 | 418.3 | 422.6 | 426.9 | 431.2 | 435.9 | 441.3 | 446.5 | 451.8 | 457.0 | 462.1 |
| 42.5°  | 398.6 | 402.8 | 407.1 | 411.4 | 415.7 | 420.9 | 427.0 | 433.0 | 439.0 | 445.1 | 450.6 |
| 45°    | 372.6 | 378.0 | 383.2 | 388.5 | 393.7 | 399.8 | 406.7 | 413.5 | 420.3 | 427.1 | 433.3 |
| 47.5°  | 347.2 | 352.9 | 358.7 | 364.4 | 370.1 | 377.0 | 385.0 | 393.0 | 401.1 | 409.1 | 415.4 |
| 50°    | 329.6 | 335.7 | 341.7 | 347.8 | 353.8 | 361.3 | 370.1 | 378.8 | 387.6 | 396.4 | 403.0 |
| 52.5°  | 312.7 | 319.1 | 325.5 | 331.8 | 338.2 | 346.0 | 355.2 | 364.5 | 373.8 | 383.1 | 389.9 |
| 55°    | 285.7 | 292.7 | 299.7 | 306.8 | 313.7 | 322.4 | 332.5 | 342.7 | 352.8 | 363.0 | 370.1 |
| 57.5°  | 258.9 | 266.9 | 274.8 | 282.8 | 290.7 | 299.8 | 310.1 | 320.5 | 330.9 | 341.2 | 348.8 |
| 60°    | 240.0 | 248.3 | 256.8 | 265.2 | 273.5 | 283.4 | 294.5 | 305.6 | 316.7 | 327.9 | 335.3 |
| 62.5°  | 223.1 | 231.8 | 240.5 | 249.2 | 258.0 | 267.9 | 279.0 | 290.1 | 301.3 | 312.4 | 320.3 |
| 65°    | 195.1 | 204.7 | 214.3 | 223.9 | 233.4 | 243.9 | 255.5 | 267.0 | 278.5 | 290.1 | 298.1 |
| 67.5°  | 169.4 | 179.4 | 189.5 | 199.5 | 209.5 | 220.3 | 232.1 | 243.9 | 255.7 | 267.5 | 275.6 |
| 70°    | 151.2 | 161.4 | 171.5 | 181.7 | 191.8 | 202.9 | 215.1 | 227.1 | 239.3 | 251.4 | 259.8 |
| 72.5°  | 134.3 | 144.7 | 155.2 | 165.7 | 176.2 | 187.5 | 199.8 | 212.1 | 224.4 | 236.6 | 244.9 |
| 75°    | 108.1 | 119.1 | 130.0 | 140.9 | 151.9 | 163.6 | 176.1 | 188.6 | 201.0 | 213.6 | 222.0 |
| 77.5°  | 82.8  | 94.3  | 105.7 | 117.1 | 128.5 | 140.7 | 153.3 | 166.1 | 178.7 | 191.4 | 199.8 |
| 80°    | 66.0  | 77.8  | 89.7  | 101.7 | 113.6 | 125.9 | 138.6 | 151.3 | 163.9 | 176.7 | 184.9 |
| 82.5°  | 51.8  | 63.6  | 75.3  | 87.1  | 98.9  | 111.2 | 124.1 | 136.9 | 149.7 | 162.6 | 170.8 |
| 85°    | 31.7  | 43.7  | 55.9  | 67.9  | 80.1  | 92.4  | 104.9 | 117.4 | 129.9 | 142.4 | 150.6 |
| 87.5°  | 17.4  | 29.5  | 41.8  | 53.9  | 65.9  | 78.4  | 91.8  | 105.5 | 119.1 | 131.7 | 139.5 |
| 90°    | 9.6   | 23.6  | 38.3  | 51.4  | 64.4  | 78.9  | 95.7  | 114.3 | 131.9 | 145.3 | 152.2 |
| 92.5°  | 18.6  | 33.8  | 50.5  | 64.8  | 81.2  | 100.6 | 132.0 | 171.4 | 207.8 | 221.4 | 211.7 |
| 95°    | 37.1  | 49.8  | 67.5  | 84.4  | 107.4 | 138.4 | 189.7 | 276.1 | 387.5 | 437.9 | 403.2 |
| 97.5°  | 55.1  | 67.9  | 85.2  | 105.0 | 129.1 | 162.1 | 223.0 | 338.5 | 515.4 | 668.6 | 704.0 |
| 100°   | 72.3  | 82.1  | 97.1  | 118.0 | 142.5 | 175.6 | 232.1 | 347.8 | 544.4 | 766.7 | 897.7 |
| 102.5° | 87.4  | 95.9  | 110.3 | 130.6 | 155.1 | 187.8 | 240.5 | 344.2 | 526.8 | 765.3 | 966.9 |
| 105°   | 109.3 | 118.3 | 130.0 | 148.5 | 173.1 | 205.1 | 255.6 | 342.2 | 494.2 | 712.3 | 947.7 |
| 107.5° | 133.8 | 141.1 | 151.4 | 167.8 | 191.1 | 222.5 | 271.4 | 347.8 | 474.8 | 656.3 | 864.8 |
| 110°   | 149.6 | 157.0 | 166.0 | 181.1 | 203.0 | 234.7 | 282.1 | 353.5 | 468.0 | 628.7 | 812.9 |



TEST NUMBER: P331362-935

CATALOG NUMBER: S122DIP-S675D925U935-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 164.7 | 171.4 | 180.6 | 194.3 | 215.0 | 246.8 | 292.3 | 359.8 | 464.2 | 608.6 | 774.9 |
| 115°   | 188.3 | 194.7 | 202.0 | 214.5 | 233.8 | 262.5 | 308.2 | 369.5 | 461.6 | 585.5 | 727.1 |
| 117.5° | 211.8 | 216.6 | 223.2 | 233.7 | 251.6 | 280.4 | 322.8 | 380.0 | 461.2 | 570.2 | 694.1 |
| 120°   | 226.9 | 231.1 | 237.0 | 245.6 | 263.6 | 291.9 | 333.2 | 387.4 | 461.4 | 561.2 | 675.8 |
| 122.5° | 241.3 | 244.4 | 249.9 | 258.6 | 276.1 | 304.7 | 343.5 | 393.8 | 462.5 | 554.2 | 659.7 |
| 125°   | 259.6 | 262.1 | 267.3 | 277.6 | 294.8 | 321.9 | 359.1 | 404.1 | 463.6 | 542.0 | 635.8 |
| 127.5° | 274.7 | 277.9 | 284.9 | 296.1 | 312.4 | 339.6 | 374.7 | 414.4 | 465.9 | 532.8 | 613.5 |
| 130°   | 283.6 | 286.9 | 295.2 | 307.1 | 324.1 | 350.1 | 384.3 | 421.0 | 468.1 | 527.2 | 598.9 |
| 132.5° | 291.9 | 295.8 | 304.9 | 317.4 | 335.1 | 360.6 | 392.4 | 427.6 | 470.3 | 522.3 | 586.3 |
| 135°   | 303.3 | 306.8 | 317.1 | 330.0 | 349.7 | 374.8 | 404.2 | 436.3 | 472.6 | 515.8 | 568.9 |
| 137.5° | 315.0 | 319.1 | 329.4 | 343.1 | 362.7 | 385.4 | 413.5 | 442.3 | 474.4 | 510.5 | 555.2 |
| 140°   | 324.0 | 327.2 | 337.3 | 350.9 | 369.6 | 392.0 | 418.2 | 445.2 | 474.8 | 507.0 | 547.1 |
| 142.5° | 332.9 | 335.4 | 344.9 | 358.4 | 376.4 | 397.4 | 422.6 | 448.6 | 475.8 | 505.6 | 540.3 |
| 145°   | 345.4 | 348.9 | 357.5 | 370.4 | 387.5 | 406.5 | 429.6 | 453.7 | 477.8 | 503.5 | 532.2 |
| 147.5° | 359.9 | 362.5 | 370.7 | 382.5 | 396.8 | 413.7 | 435.5 | 456.7 | 478.5 | 500.5 | 524.7 |
| 150°   | 369.5 | 372.0 | 378.9 | 390.1 | 403.0 | 418.4 | 438.2 | 458.0 | 477.8 | 498.4 | 519.0 |
| 152.5° | 379.1 | 380.3 | 387.2 | 397.0 | 409.2 | 423.3 | 441.0 | 458.7 | 476.4 | 495.0 | 514.2 |
| 155°   | 392.7 | 393.6 | 398.7 | 408.2 | 417.6 | 430.5 | 445.1 | 459.7 | 474.3 | 489.0 | 505.2 |
| 157.5° | 404.1 | 404.9 | 409.1 | 417.2 | 424.8 | 435.7 | 448.1 | 459.7 | 470.4 | 482.8 | 496.9 |
| 160°   | 411.6 | 412.5 | 415.9 | 422.8 | 429.6 | 439.1 | 449.4 | 459.7 | 468.3 | 478.6 | 490.7 |
| 162.5° | 419.1 | 418.6 | 422.1 | 427.6 | 433.8 | 441.2 | 450.1 | 459.0 | 466.2 | 475.2 | 485.2 |
| 165°   | 427.9 | 427.1 | 428.8 | 433.9 | 438.2 | 443.4 | 451.2 | 457.2 | 462.3 | 468.3 | 476.0 |
| 167.5° | 435.1 | 434.1 | 435.7 | 438.9 | 442.0 | 445.3 | 451.0 | 456.0 | 458.3 | 462.3 | 467.1 |
| 170°   | 440.0 | 438.2 | 439.1 | 441.7 | 443.4 | 446.0 | 450.3 | 454.6 | 456.3 | 458.8 | 462.3 |
| 172.5° | 442.7 | 441.7 | 441.2 | 443.8 | 444.8 | 446.7 | 449.6 | 452.5 | 453.6 | 454.8 | 457.5 |
| 175°   | 446.0 | 445.1 | 444.3 | 446.0 | 446.0 | 446.9 | 448.6 | 450.3 | 449.4 | 450.3 | 451.2 |
| 177.5° | 447.5 | 446.2 | 445.5 | 446.9 | 446.9 | 446.9 | 447.5 | 448.9 | 447.5 | 446.9 | 447.5 |
| 180°   | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 | 446.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 606.5  | 606.5  | 606.5  | 606.5  | 606.5  | 606.5  | 606.5  | 606.5  |
| 2.5°   | 604.5  | 605.3  | 606.1  | 606.3  | 606.0  | 605.7  | 605.4  | 605.1  |
| 5°     | 602.7  | 603.8  | 605.0  | 605.5  | 605.3  | 605.1  | 604.9  | 604.7  |
| 7.5°   | 599.8  | 601.2  | 602.6  | 603.2  | 603.0  | 602.8  | 602.6  | 602.4  |
| 10°    | 597.3  | 598.8  | 600.5  | 601.1  | 600.9  | 600.7  | 600.5  | 600.3  |
| 12.5°  | 593.1  | 594.6  | 596.2  | 596.8  | 596.7  | 596.5  | 596.3  | 596.1  |
| 15°    | 585.4  | 587.1  | 588.9  | 589.7  | 589.5  | 589.3  | 589.1  | 588.9  |
| 17.5°  | 575.5  | 577.4  | 579.2  | 580.1  | 580.1  | 580.1  | 580.1  | 580.1  |
| 20°    | 567.7  | 569.9  | 572.0  | 573.1  | 573.1  | 573.1  | 573.1  | 573.1  |
| 22.5°  | 559.3  | 561.5  | 563.5  | 564.8  | 565.1  | 565.4  | 565.8  | 566.0  |
| 25°    | 546.1  | 548.5  | 550.8  | 552.2  | 552.8  | 553.5  | 554.1  | 554.7  |
| 27.5°  | 531.6  | 534.5  | 537.5  | 539.2  | 539.6  | 540.0  | 540.4  | 540.9  |
| 30°    | 521.3  | 524.4  | 527.5  | 529.4  | 530.0  | 530.6  | 531.2  | 531.8  |
| 32.5°  | 510.3  | 513.9  | 517.5  | 519.8  | 520.9  | 521.9  | 523.0  | 524.0  |
| 35°    | 494.6  | 498.9  | 503.3  | 506.1  | 507.5  | 508.9  | 510.1  | 511.5  |
| 37.5°  | 478.5  | 483.3  | 488.1  | 491.2  | 492.7  | 494.0  | 495.5  | 497.0  |
| 40°    | 467.2  | 472.3  | 477.3  | 480.8  | 482.5  | 484.3  | 486.0  | 487.8  |
| 42.5°  | 456.2  | 461.8  | 467.3  | 471.0  | 472.7  | 474.5  | 476.2  | 477.9  |
| 45°    | 439.3  | 445.3  | 451.4  | 455.4  | 457.4  | 459.3  | 461.2  | 463.2  |
| 47.5°  | 421.7  | 428.1  | 434.4  | 438.6  | 440.7  | 442.9  | 445.1  | 447.2  |
| 50°    | 409.7  | 416.3  | 423.0  | 427.4  | 429.6  | 431.7  | 433.8  | 435.9  |
| 52.5°  | 396.7  | 403.5  | 410.3  | 414.8  | 417.1  | 419.4  | 421.7  | 424.0  |
| 55°    | 377.0  | 384.1  | 391.2  | 395.9  | 398.5  | 401.0  | 403.6  | 406.0  |
| 57.5°  | 356.4  | 363.9  | 371.5  | 376.6  | 379.2  | 381.8  | 384.4  | 386.9  |
| 60°    | 342.7  | 350.1  | 357.6  | 362.7  | 365.3  | 368.1  | 370.8  | 373.6  |
| 62.5°  | 328.1  | 336.0  | 344.0  | 349.2  | 351.7  | 354.3  | 356.9  | 359.5  |
| 65°    | 306.1  | 314.1  | 322.1  | 327.4  | 329.9  | 332.4  | 335.0  | 337.5  |
| 67.5°  | 283.7  | 291.8  | 299.9  | 305.3  | 307.9  | 310.6  | 313.2  | 315.9  |
| 70°    | 268.2  | 276.6  | 285.0  | 290.3  | 292.7  | 295.1  | 297.4  | 299.7  |
| 72.5°  | 253.1  | 261.3  | 269.6  | 275.1  | 277.9  | 280.8  | 283.5  | 286.4  |
| 75°    | 230.4  | 238.8  | 247.2  | 252.6  | 255.2  | 257.7  | 260.3  | 262.8  |
| 77.5°  | 208.2  | 216.5  | 224.9  | 230.4  | 233.2  | 235.9  | 238.6  | 241.3  |
| 80°    | 193.0  | 201.3  | 209.5  | 215.0  | 217.7  | 220.4  | 223.2  | 225.9  |
| 82.5°  | 179.0  | 187.2  | 195.4  | 200.8  | 203.4  | 206.0  | 208.5  | 211.1  |
| 85°    | 158.8  | 167.0  | 175.2  | 180.6  | 183.4  | 186.1  | 188.9  | 191.6  |
| 87.5°  | 147.3  | 154.9  | 163.2  | 168.7  | 171.2  | 173.7  | 176.2  | 178.7  |
| 90°    | 159.1  | 165.2  | 174.8  | 180.7  | 183.0  | 185.4  | 187.7  | 190.1  |
| 92.5°  | 199.9  | 196.9  | 197.3  | 197.1  | 198.7  | 198.3  | 201.3  | 202.3  |
| 95°    | 341.0  | 296.1  | 267.4  | 253.4  | 244.5  | 240.0  | 239.8  | 243.0  |
| 97.5°  | 633.4  | 545.0  | 459.3  | 402.0  | 363.3  | 344.4  | 334.2  | 329.2  |
| 100°   | 886.9  | 787.6  | 677.1  | 577.8  | 508.6  | 473.8  | 451.0  | 437.7  |
| 102.5° | 1051.5 | 1034.5 | 955.5  | 849.9  | 774.6  | 713.6  | 684.7  | 665.8  |
| 105°   | 1133.3 | 1237.3 | 1255.3 | 1231.4 | 1180.3 | 1129.1 | 1094.3 | 1084.4 |
| 107.5° | 1060.9 | 1213.8 | 1309.7 | 1355.6 | 1364.5 | 1363.7 | 1358.5 | 1344.6 |
| 110°   | 1000.4 | 1160.5 | 1276.7 | 1351.3 | 1390.5 | 1408.9 | 1418.8 | 1420.1 |





TEST NUMBER: P331362-935

CATALOG NUMBER: S122DIP-S675D925U935-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 944.6 | 1098.5 | 1222.3 | 1307.3 | 1360.8 | 1390.3 | 1407.0 | 1413.8 |
| 115°   | 874.8 | 1013.0 | 1131.4 | 1223.9 | 1287.1 | 1328.8 | 1353.2 | 1363.1 |
| 117.5° | 820.4 | 942.3  | 1050.2 | 1137.0 | 1201.3 | 1245.0 | 1270.6 | 1279.1 |
| 120°   | 792.1 | 904.1  | 1000.7 | 1082.7 | 1145.0 | 1187.5 | 1214.6 | 1225.4 |
| 122.5° | 769.0 | 871.9  | 963.5  | 1037.8 | 1093.6 | 1135.1 | 1159.1 | 1168.1 |
| 125°   | 734.8 | 828.5  | 909.4  | 977.4  | 1029.0 | 1063.4 | 1086.7 | 1095.3 |
| 127.5° | 700.9 | 785.8  | 862.0  | 924.8  | 970.0  | 1002.3 | 1022.5 | 1029.8 |
| 130°   | 679.2 | 757.8  | 830.3  | 890.2  | 933.8  | 964.7  | 983.4  | 991.9  |
| 132.5° | 658.1 | 731.1  | 798.1  | 854.4  | 897.3  | 928.1  | 945.5  | 953.2  |
| 135°   | 628.9 | 689.7  | 750.4  | 801.4  | 839.9  | 869.9  | 886.9  | 891.9  |
| 137.5° | 604.3 | 655.4  | 704.0  | 748.4  | 783.4  | 809.1  | 824.1  | 830.5  |
| 140°   | 588.9 | 633.3  | 675.9  | 715.9  | 744.5  | 768.1  | 782.1  | 788.4  |
| 142.5° | 576.6 | 614.2  | 650.7  | 684.1  | 711.2  | 732.5  | 745.0  | 747.1  |
| 145°   | 560.0 | 589.5  | 617.3  | 643.3  | 665.0  | 680.5  | 690.1  | 693.7  |
| 147.5° | 547.5 | 570.0  | 591.0  | 609.5  | 627.0  | 639.1  | 645.4  | 647.5  |
| 150°   | 539.7 | 558.5  | 576.6  | 592.0  | 604.9  | 615.3  | 620.4  | 621.3  |
| 152.5° | 532.1 | 549.6  | 564.9  | 578.3  | 588.4  | 597.4  | 601.2  | 601.3  |
| 155°   | 521.6 | 535.4  | 548.2  | 557.7  | 567.1  | 573.2  | 576.6  | 574.9  |
| 157.5° | 509.4 | 520.9  | 531.8  | 539.2  | 545.8  | 550.8  | 552.3  | 552.3  |
| 160°   | 501.8 | 511.3  | 520.7  | 526.8  | 532.8  | 537.1  | 538.0  | 538.0  |
| 162.5° | 494.3 | 502.3  | 510.4  | 515.1  | 521.1  | 524.0  | 524.9  | 524.2  |
| 165°   | 482.9 | 489.0  | 495.0  | 498.4  | 501.8  | 505.2  | 505.2  | 504.4  |
| 167.5° | 472.1 | 476.7  | 480.9  | 484.0  | 485.5  | 487.4  | 487.2  | 486.2  |
| 170°   | 466.6 | 469.2  | 472.6  | 474.3  | 475.2  | 477.8  | 476.9  | 475.2  |
| 172.5° | 460.4 | 462.3  | 465.0  | 466.1  | 466.9  | 468.1  | 467.3  | 466.2  |
| 175°   | 453.7 | 454.6  | 455.5  | 456.3  | 456.3  | 457.2  | 456.3  | 454.6  |
| 177.5° | 448.9 | 448.9  | 449.6  | 449.6  | 449.6  | 449.6  | 448.9  | 447.5  |
| 180°   | 446.9 | 446.9  | 446.9  | 446.9  | 446.9  | 446.9  | 446.9  | 446.9  |

(END OF REPORT)