

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: P331264-935

Luminaire Tested: **S122DIP-S290D725U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331264-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S290D725U935-4F0-1E-UDD-F
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 290 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3531.4 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.3
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

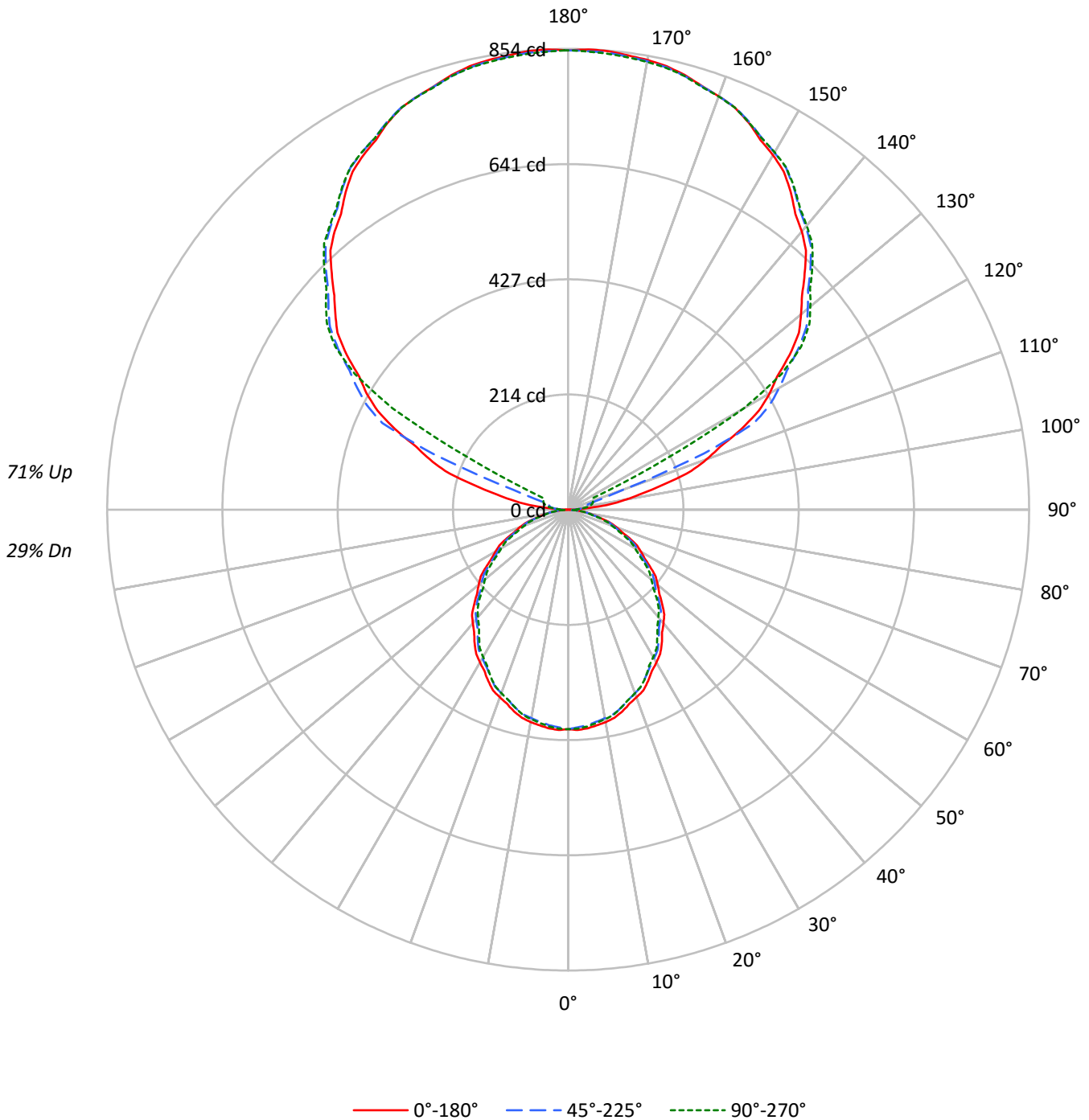
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

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 | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 54 | 54 | 54 | 37 | 37 | 37 | 29 |
| 1 | 93 | 89 | 85 | 82 | 83 | 80 | 77 | 74 | 63 | 61 | 59 | 47 | 46 | 45 | 33 | 32 | 31 | 25 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 61 | 55 | 52 | 49 | 41 | 39 | 37 | 29 | 28 | 26 | 21 |
| 3 | 77 | 68 | 61 | 55 | 69 | 61 | 55 | 51 | 48 | 44 | 41 | 37 | 34 | 31 | 26 | 24 | 22 | 18 |
| 4 | 71 | 60 | 53 | 47 | 63 | 54 | 48 | 43 | 43 | 38 | 35 | 33 | 29 | 27 | 23 | 21 | 19 | 15 |
| 5 | 65 | 54 | 46 | 40 | 58 | 48 | 42 | 36 | 38 | 34 | 30 | 29 | 26 | 23 | 21 | 18 | 17 | 13 |
| 6 | 60 | 48 | 40 | 34 | 53 | 43 | 36 | 32 | 34 | 30 | 26 | 26 | 23 | 20 | 19 | 16 | 15 | 11 |
| 7 | 55 | 43 | 35 | 30 | 49 | 39 | 32 | 28 | 31 | 26 | 23 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8 | 51 | 39 | 32 | 26 | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 22 | 18 | 16 | 16 | 13 | 12 | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 26 | 21 | 26 | 21 | 18 | 20 | 17 | 14 | 14 | 12 | 11 | 8 |
| 10 | 44 | 32 | 25 | 21 | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 10 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6567 | 6567 | 6567 |
| 5° | 6592 | 6498 | 6536 |
| 10° | 6555 | 6432 | 6465 |
| 15° | 6472 | 6349 | 6342 |
| 20° | 6357 | 6223 | 6216 |
| 25° | 6242 | 6070 | 6070 |
| 30° | 6096 | 5929 | 5876 |
| 35° | 5960 | 5757 | 5673 |
| 40° | 5788 | 5590 | 5482 |
| 45° | 5617 | 5421 | 5286 |
| 50° | 5433 | 5247 | 5061 |
| 55° | 5239 | 5044 | 4856 |
| 60° | 5028 | 4799 | 4624 |
| 65° | 4795 | 4558 | 4348 |
| 70° | 4504 | 4263 | 4060 |
| 75° | 4099 | 3924 | 3830 |
| 80° | 3636 | 3533 | 3347 |
| 85° | 2964 | 2816 | 2538 |



TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.3 | 1.1 |
| 10°-20° | 107.6 | 3.0 |
| 20°-30° | 158.2 | 4.5 |
| 30°-40° | 183.8 | 5.2 |
| 40°-50° | 183.6 | 5.2 |
| 50°-60° | 160.1 | 4.5 |
| 60°-70° | 118.4 | 3.4 |
| 70°-80° | 67.0 | 1.9 |
| 80°-90° | 20.1 | 0.6 |
| 90°-100° | 28.4 | 0.8 |
| 100°-110° | 104.1 | 2.9 |
| 110°-120° | 278.3 | 7.9 |
| 120°-130° | 459.4 | 13.0 |
| 130°-140° | 488.6 | 13.8 |
| 140°-150° | 454.1 | 12.9 |
| 150°-160° | 365.1 | 10.3 |
| 160°-170° | 235.3 | 6.7 |
| 170°-180° | 81.0 | 2.3 |
| 0°-30° | 304.1 | 8.6 |
| 0°-40° | 487.8 | 13.8 |
| 0°-60° | 831.5 | 23.5 |
| 0°-90° | 1037.0 | 29.4 |
| 90°-120° | 410.8 | 11.6 |
| 90°-150° | 1813.0 | 51.3 |
| 90°-180° | 2494.0 | 70.6 |
| 0°-180° | 3531.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 407 | 407 | 407 | 407 | 407 | |
| 5° | 407 | 405 | 401 | 404 | 403 | 39 |
| 15° | 387 | 385 | 380 | 381 | 379 | 109 |
| 25° | 350 | 347 | 341 | 341 | 341 | 161 |
| 35° | 302 | 298 | 292 | 290 | 288 | 189 |
| 45° | 246 | 243 | 237 | 233 | 232 | 190 |
| 55° | 186 | 184 | 179 | 175 | 172 | 166 |
| 65° | 126 | 123 | 119 | 116 | 114 | 124 |
| 75° | 66 | 65 | 63 | 61 | 61 | 70 |
| 85° | 16 | 16 | 15 | 14 | 14 | 18 |
| 90° | 1 | 7 | 12 | 15 | 17 | 3 |
| 95° | 40 | 21 | 24 | 27 | 26 | 49 |
| 105° | 187 | 195 | 38 | 44 | 47 | 200 |
| 115° | 354 | 365 | 380 | 108 | 50 | 349 |
| 125° | 501 | 509 | 520 | 525 | 527 | 446 |
| 135° | 620 | 629 | 635 | 641 | 640 | 478 |
| 145° | 719 | 719 | 729 | 732 | 730 | 449 |
| 155° | 791 | 787 | 793 | 796 | 792 | 365 |
| 165° | 834 | 830 | 832 | 836 | 832 | 236 |
| 175° | 853 | 849 | 850 | 854 | 848 | 81 |
| 180° | 851 | 851 | 851 | 851 | 851 | |



TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 |
| 2.5° | 408.6 | 408.3 | 407.9 | 407.6 | 407.3 | 406.7 | 406.0 | 405.2 | 404.4 | 403.6 | 404.3 |
| 5° | 406.7 | 406.4 | 406.0 | 405.7 | 405.4 | 404.8 | 403.8 | 402.9 | 401.8 | 400.9 | 401.6 |
| 7.5° | 403.2 | 402.6 | 402.1 | 401.6 | 401.1 | 400.3 | 399.3 | 398.3 | 397.4 | 396.4 | 397.1 |
| 10° | 399.8 | 399.2 | 398.6 | 398.0 | 397.3 | 396.5 | 395.5 | 394.4 | 393.4 | 392.3 | 393.0 |
| 12.5° | 395.0 | 394.5 | 394.0 | 393.4 | 392.9 | 392.1 | 391.1 | 390.0 | 389.0 | 388.0 | 388.4 |
| 15° | 387.2 | 386.7 | 386.2 | 385.6 | 385.1 | 384.4 | 383.1 | 382.0 | 380.9 | 379.8 | 380.1 |
| 17.5° | 377.2 | 376.7 | 376.2 | 375.7 | 375.1 | 374.3 | 373.2 | 372.0 | 370.8 | 369.7 | 370.1 |
| 20° | 370.0 | 369.5 | 368.9 | 368.4 | 367.9 | 367.0 | 365.8 | 364.6 | 363.4 | 362.2 | 362.5 |
| 22.5° | 362.8 | 362.1 | 361.4 | 360.6 | 359.9 | 359.0 | 357.8 | 356.6 | 355.5 | 354.4 | 354.4 |
| 25° | 350.4 | 349.7 | 349.0 | 348.4 | 347.7 | 346.6 | 345.1 | 343.6 | 342.2 | 340.7 | 340.9 |
| 27.5° | 336.4 | 335.8 | 335.1 | 334.5 | 333.9 | 332.9 | 331.8 | 330.6 | 329.5 | 328.3 | 328.0 |
| 30° | 327.0 | 326.3 | 325.6 | 324.9 | 324.2 | 323.2 | 321.9 | 320.6 | 319.3 | 318.0 | 317.7 |
| 32.5° | 316.9 | 316.4 | 315.9 | 315.3 | 314.8 | 313.7 | 312.4 | 311.1 | 309.7 | 308.3 | 307.8 |
| 35° | 302.4 | 301.4 | 300.6 | 299.7 | 298.9 | 297.7 | 296.4 | 295.0 | 293.6 | 292.1 | 291.6 |
| 37.5° | 285.9 | 285.1 | 284.3 | 283.5 | 282.8 | 281.7 | 280.3 | 279.0 | 277.5 | 276.1 | 275.5 |
| 40° | 274.6 | 273.9 | 273.2 | 272.5 | 271.8 | 270.8 | 269.3 | 267.9 | 266.6 | 265.2 | 264.4 |
| 42.5° | 263.6 | 262.9 | 262.3 | 261.6 | 260.9 | 259.8 | 258.4 | 257.0 | 255.6 | 254.3 | 253.4 |
| 45° | 246.0 | 245.4 | 244.8 | 244.2 | 243.6 | 242.6 | 241.3 | 240.0 | 238.8 | 237.4 | 236.4 |
| 47.5° | 228.5 | 227.9 | 227.4 | 226.8 | 226.2 | 225.2 | 223.9 | 222.6 | 221.2 | 219.8 | 218.8 |
| 50° | 216.3 | 215.9 | 215.4 | 215.0 | 214.6 | 213.7 | 212.5 | 211.3 | 210.1 | 208.9 | 207.7 |
| 52.5° | 204.4 | 203.8 | 203.3 | 202.7 | 202.1 | 201.2 | 200.1 | 199.0 | 197.8 | 196.7 | 195.6 |
| 55° | 186.1 | 185.6 | 185.1 | 184.6 | 184.1 | 183.3 | 182.3 | 181.2 | 180.2 | 179.2 | 178.1 |
| 57.5° | 167.9 | 167.5 | 167.0 | 166.6 | 166.2 | 165.4 | 164.3 | 163.2 | 162.0 | 160.8 | 159.8 |
| 60° | 155.7 | 155.3 | 155.0 | 154.6 | 154.3 | 153.5 | 152.3 | 151.1 | 149.8 | 148.6 | 147.7 |
| 62.5° | 143.8 | 143.2 | 142.7 | 142.2 | 141.5 | 140.8 | 139.8 | 139.0 | 138.0 | 137.1 | 136.1 |
| 65° | 125.5 | 125.0 | 124.5 | 124.0 | 123.5 | 122.8 | 121.9 | 121.1 | 120.2 | 119.3 | 118.5 |
| 67.5° | 107.0 | 106.6 | 106.2 | 105.7 | 105.4 | 104.8 | 103.9 | 103.1 | 102.4 | 101.6 | 101.0 |
| 70° | 95.4 | 95.1 | 94.7 | 94.4 | 94.0 | 93.5 | 92.7 | 92.0 | 91.1 | 90.3 | 89.7 |
| 72.5° | 83.5 | 83.2 | 82.8 | 82.5 | 82.1 | 81.7 | 81.2 | 80.8 | 80.2 | 79.7 | 79.1 |
| 75° | 65.7 | 65.5 | 65.3 | 65.2 | 65.0 | 64.7 | 64.3 | 63.8 | 63.4 | 62.9 | 62.4 |
| 77.5° | 49.8 | 49.4 | 49.2 | 48.9 | 48.6 | 48.3 | 48.1 | 48.0 | 47.8 | 47.6 | 47.4 |
| 80° | 39.1 | 39.0 | 38.9 | 38.8 | 38.7 | 38.7 | 38.5 | 38.3 | 38.1 | 38.0 | 37.7 |
| 82.5° | 29.1 | 29.1 | 29.1 | 29.0 | 29.0 | 28.9 | 28.8 | 28.8 | 28.7 | 28.6 | 28.2 |
| 85° | 16.0 | 15.9 | 15.8 | 15.8 | 15.7 | 15.6 | 15.5 | 15.4 | 15.3 | 15.2 | 15.0 |
| 87.5° | 5.8 | 5.9 | 6.1 | 6.2 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.8 | 6.8 |
| 90° | 0.6 | 2.2 | 3.6 | 5.2 | 6.6 | 7.9 | 9.0 | 10.2 | 11.2 | 12.3 | 13.0 |
| 92.5° | 12.4 | 12.3 | 12.1 | 12.1 | 11.9 | 12.1 | 12.7 | 13.2 | 13.8 | 14.3 | 14.6 |
| 95° | 40.0 | 35.6 | 31.0 | 26.5 | 22.0 | 20.1 | 21.2 | 22.1 | 23.1 | 24.0 | 24.7 |
| 97.5° | 79.5 | 66.7 | 54.0 | 41.2 | 28.5 | 23.2 | 25.5 | 27.7 | 30.0 | 32.1 | 32.7 |
| 100° | 109.0 | 90.2 | 71.5 | 52.8 | 34.0 | 25.8 | 28.2 | 30.5 | 32.8 | 35.1 | 36.2 |
| 102.5° | 141.5 | 137.6 | 133.6 | 129.7 | 125.6 | 113.9 | 94.5 | 75.0 | 55.5 | 36.1 | 37.5 |
| 105° | 187.3 | 191.3 | 195.4 | 199.6 | 203.6 | 187.0 | 149.6 | 112.3 | 74.9 | 37.5 | 39.1 |
| 107.5° | 239.4 | 242.6 | 246.0 | 249.3 | 252.6 | 231.9 | 187.0 | 142.2 | 97.4 | 52.6 | 51.1 |
| 110° | 272.9 | 275.7 | 278.6 | 281.5 | 284.3 | 266.0 | 226.4 | 186.9 | 147.3 | 107.8 | 94.1 |



TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 304.4 | 306.9 | 309.4 | 312.0 | 314.5 | 310.9 | 301.2 | 291.4 | 281.6 | 271.8 | 222.0 |
| 115° | 354.1 | 356.5 | 358.8 | 361.1 | 363.4 | 366.4 | 369.7 | 373.2 | 376.6 | 380.0 | 316.7 |
| 117.5° | 398.6 | 401.2 | 403.8 | 406.4 | 409.0 | 411.5 | 413.9 | 416.2 | 418.5 | 420.9 | 405.6 |
| 120° | 431.1 | 433.2 | 435.2 | 437.3 | 439.4 | 441.6 | 444.1 | 446.5 | 449.0 | 451.4 | 453.1 |
| 122.5° | 458.7 | 460.9 | 463.0 | 465.2 | 467.4 | 469.8 | 472.5 | 475.2 | 477.9 | 480.5 | 481.5 |
| 125° | 500.8 | 502.5 | 504.3 | 506.1 | 507.8 | 510.1 | 512.6 | 515.2 | 517.8 | 520.5 | 521.4 |
| 127.5° | 538.8 | 540.8 | 542.8 | 544.7 | 546.6 | 548.6 | 550.6 | 552.5 | 554.5 | 556.4 | 557.8 |
| 130° | 562.9 | 565.2 | 567.3 | 569.5 | 571.7 | 573.5 | 575.1 | 576.5 | 578.1 | 579.5 | 581.1 |
| 132.5° | 587.5 | 589.4 | 591.3 | 593.1 | 595.0 | 596.7 | 598.2 | 599.7 | 601.2 | 602.7 | 604.0 |
| 135° | 619.6 | 621.8 | 624.0 | 626.2 | 628.4 | 630.1 | 631.3 | 632.5 | 633.8 | 635.0 | 636.4 |
| 137.5° | 652.0 | 653.5 | 655.0 | 656.6 | 658.1 | 659.6 | 661.0 | 662.4 | 663.7 | 665.2 | 666.5 |
| 140° | 673.2 | 674.2 | 675.4 | 676.5 | 677.5 | 678.9 | 680.4 | 681.9 | 683.4 | 684.9 | 686.1 |
| 142.5° | 691.0 | 691.9 | 692.9 | 693.9 | 694.8 | 696.2 | 697.9 | 699.6 | 701.4 | 703.1 | 704.2 |
| 145° | 718.8 | 718.6 | 718.5 | 718.3 | 718.2 | 719.3 | 721.6 | 723.9 | 726.3 | 728.6 | 729.6 |
| 147.5° | 743.0 | 742.5 | 742.0 | 741.5 | 741.0 | 741.8 | 744.2 | 746.4 | 748.7 | 751.1 | 751.7 |
| 150° | 758.8 | 757.9 | 756.9 | 756.0 | 754.9 | 755.6 | 757.8 | 759.9 | 762.2 | 764.3 | 765.2 |
| 152.5° | 772.1 | 771.0 | 770.0 | 768.9 | 767.8 | 768.4 | 770.4 | 772.5 | 774.6 | 776.6 | 777.5 |
| 155° | 791.4 | 790.2 | 788.9 | 787.7 | 786.5 | 786.7 | 788.3 | 790.0 | 791.6 | 793.2 | 794.1 |
| 157.5° | 806.6 | 805.6 | 804.5 | 803.5 | 802.5 | 802.5 | 803.7 | 804.8 | 805.9 | 807.1 | 808.0 |
| 160° | 815.5 | 814.6 | 813.8 | 813.0 | 812.2 | 812.2 | 813.0 | 813.8 | 814.6 | 815.5 | 816.3 |
| 162.5° | 823.4 | 822.5 | 821.7 | 820.9 | 820.0 | 820.0 | 820.7 | 821.4 | 822.2 | 822.9 | 823.8 |
| 165° | 834.0 | 833.1 | 832.3 | 831.5 | 830.6 | 830.4 | 830.9 | 831.3 | 831.6 | 832.1 | 833.0 |
| 167.5° | 841.8 | 841.0 | 840.2 | 839.4 | 838.5 | 838.3 | 838.7 | 839.0 | 839.5 | 839.8 | 840.8 |
| 170° | 846.3 | 845.4 | 844.6 | 843.8 | 843.0 | 842.7 | 843.0 | 843.3 | 843.5 | 843.8 | 844.7 |
| 172.5° | 849.2 | 848.3 | 847.6 | 846.7 | 845.9 | 845.7 | 845.9 | 846.2 | 846.4 | 846.7 | 847.7 |
| 175° | 853.0 | 852.0 | 851.1 | 850.2 | 849.2 | 848.9 | 849.1 | 849.4 | 849.6 | 850.0 | 850.9 |
| 177.5° | 853.7 | 852.9 | 852.1 | 851.4 | 850.6 | 850.2 | 850.3 | 850.5 | 850.6 | 850.7 | 851.4 |
| 180° | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 |



TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 | 406.7 |
| 2.5° | 405.0 | 405.7 | 406.4 | 406.7 | 406.6 | 406.4 | 406.3 | 406.1 |
| 5° | 402.3 | 403.0 | 403.7 | 404.0 | 403.8 | 403.6 | 403.5 | 403.3 |
| 7.5° | 397.8 | 398.5 | 399.2 | 399.4 | 399.2 | 399.0 | 398.8 | 398.6 |
| 10° | 393.7 | 394.4 | 395.1 | 395.3 | 395.0 | 394.8 | 394.5 | 394.3 |
| 12.5° | 388.9 | 389.3 | 389.9 | 390.0 | 389.9 | 389.6 | 389.4 | 389.3 |
| 15° | 380.5 | 380.8 | 381.2 | 381.2 | 380.7 | 380.3 | 379.9 | 379.4 |
| 17.5° | 370.5 | 370.9 | 371.3 | 371.3 | 370.8 | 370.5 | 370.1 | 369.6 |
| 20° | 362.7 | 363.0 | 363.3 | 363.2 | 362.8 | 362.5 | 362.1 | 361.8 |
| 22.5° | 354.5 | 354.6 | 354.6 | 354.5 | 354.3 | 354.0 | 353.9 | 353.7 |
| 25° | 341.0 | 341.2 | 341.4 | 341.4 | 341.2 | 341.0 | 340.9 | 340.7 |
| 27.5° | 327.8 | 327.5 | 327.3 | 326.9 | 326.5 | 326.1 | 325.7 | 325.3 |
| 30° | 317.5 | 317.2 | 316.9 | 316.7 | 316.3 | 316.0 | 315.6 | 315.2 |
| 32.5° | 307.4 | 306.9 | 306.4 | 306.0 | 305.7 | 305.3 | 305.0 | 304.6 |
| 35° | 291.1 | 290.6 | 290.1 | 289.6 | 289.2 | 288.8 | 288.3 | 287.8 |
| 37.5° | 274.8 | 274.2 | 273.5 | 273.0 | 272.6 | 272.2 | 271.8 | 271.4 |
| 40° | 263.6 | 262.9 | 262.1 | 261.5 | 261.1 | 260.8 | 260.5 | 260.1 |
| 42.5° | 252.5 | 251.7 | 250.8 | 250.1 | 249.7 | 249.2 | 248.7 | 248.2 |
| 45° | 235.5 | 234.5 | 233.6 | 232.9 | 232.6 | 232.2 | 231.9 | 231.5 |
| 47.5° | 217.8 | 216.8 | 215.8 | 215.0 | 214.6 | 214.0 | 213.5 | 213.0 |
| 50° | 206.5 | 205.2 | 204.0 | 203.2 | 202.8 | 202.3 | 201.9 | 201.5 |
| 52.5° | 194.7 | 193.6 | 192.6 | 191.8 | 191.2 | 190.7 | 190.1 | 189.5 |
| 55° | 177.0 | 176.0 | 175.0 | 174.3 | 173.8 | 173.3 | 172.9 | 172.5 |
| 57.5° | 158.8 | 157.7 | 156.7 | 156.0 | 155.8 | 155.4 | 155.1 | 154.7 |
| 60° | 146.7 | 145.8 | 144.8 | 144.2 | 144.0 | 143.7 | 143.4 | 143.2 |
| 62.5° | 135.3 | 134.4 | 133.5 | 132.9 | 132.6 | 132.2 | 131.9 | 131.6 |
| 65° | 117.7 | 116.9 | 116.1 | 115.5 | 115.1 | 114.7 | 114.3 | 113.8 |
| 67.5° | 100.4 | 99.8 | 99.2 | 98.7 | 98.3 | 98.0 | 97.6 | 97.3 |
| 70° | 89.1 | 88.5 | 87.9 | 87.5 | 87.1 | 86.7 | 86.4 | 86.0 |
| 72.5° | 78.5 | 77.9 | 77.3 | 76.8 | 76.5 | 76.3 | 76.0 | 75.7 |
| 75° | 61.9 | 61.4 | 60.9 | 60.7 | 60.9 | 61.0 | 61.2 | 61.4 |
| 77.5° | 47.1 | 46.8 | 46.6 | 46.3 | 46.1 | 45.9 | 45.6 | 45.4 |
| 80° | 37.5 | 37.2 | 36.9 | 36.7 | 36.5 | 36.3 | 36.2 | 36.0 |
| 82.5° | 27.9 | 27.6 | 27.2 | 27.0 | 27.0 | 26.9 | 26.9 | 26.9 |
| 85° | 14.7 | 14.5 | 14.2 | 14.0 | 13.9 | 13.9 | 13.8 | 13.7 |
| 87.5° | 6.7 | 6.6 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 90° | 13.7 | 14.4 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.6 |
| 92.5° | 15.0 | 15.3 | 15.7 | 16.0 | 16.1 | 16.3 | 16.4 | 16.6 |
| 95° | 25.4 | 26.1 | 26.8 | 27.0 | 26.9 | 26.8 | 26.6 | 26.5 |
| 97.5° | 33.2 | 33.8 | 34.4 | 34.7 | 34.9 | 35.0 | 35.2 | 35.4 |
| 100° | 37.3 | 38.4 | 39.5 | 40.2 | 40.5 | 40.7 | 41.0 | 41.2 |
| 102.5° | 38.9 | 40.4 | 41.8 | 42.7 | 43.0 | 43.5 | 43.8 | 44.3 |
| 105° | 40.6 | 42.1 | 43.6 | 44.6 | 45.2 | 45.7 | 46.2 | 46.8 |
| 107.5° | 49.5 | 48.0 | 46.5 | 46.0 | 46.5 | 47.1 | 47.6 | 48.1 |
| 110° | 80.4 | 66.7 | 53.0 | 46.5 | 47.0 | 47.5 | 48.1 | 48.6 |



TEST NUMBER: P331264-935

CATALOG NUMBER: S122DIP-S290D725U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 172.0 | 122.1 | 72.2 | 47.4 | 47.9 | 48.3 | 48.7 | 49.2 |
| 115° | 253.3 | 189.9 | 126.6 | 89.9 | 80.1 | 70.2 | 60.4 | 50.5 |
| 117.5° | 390.3 | 374.9 | 359.6 | 335.7 | 303.3 | 271.0 | 238.6 | 206.2 |
| 120° | 454.8 | 456.4 | 458.1 | 449.6 | 431.1 | 412.7 | 394.2 | 375.7 |
| 122.5° | 482.5 | 483.5 | 484.5 | 483.2 | 479.6 | 476.0 | 472.4 | 468.8 |
| 125° | 522.4 | 523.3 | 524.3 | 525.0 | 525.4 | 525.8 | 526.2 | 526.6 |
| 127.5° | 559.2 | 560.6 | 562.0 | 562.7 | 562.8 | 562.9 | 563.0 | 563.1 |
| 130° | 582.6 | 584.1 | 585.6 | 586.3 | 586.2 | 586.0 | 585.8 | 585.7 |
| 132.5° | 605.3 | 606.6 | 607.9 | 608.5 | 608.3 | 608.2 | 608.0 | 607.9 |
| 135° | 637.7 | 639.1 | 640.5 | 641.0 | 640.8 | 640.5 | 640.2 | 639.9 |
| 137.5° | 667.9 | 669.2 | 670.5 | 671.0 | 670.5 | 670.0 | 669.6 | 669.1 |
| 140° | 687.3 | 688.5 | 689.8 | 690.1 | 689.4 | 688.7 | 688.0 | 687.3 |
| 142.5° | 705.3 | 706.5 | 707.6 | 707.8 | 707.1 | 706.5 | 705.8 | 705.1 |
| 145° | 730.6 | 731.5 | 732.5 | 732.5 | 731.9 | 731.2 | 730.6 | 729.9 |
| 147.5° | 752.4 | 753.2 | 753.9 | 754.0 | 753.4 | 752.8 | 752.3 | 751.7 |
| 150° | 765.9 | 766.8 | 767.6 | 767.7 | 767.0 | 766.3 | 765.6 | 764.9 |
| 152.5° | 778.3 | 779.1 | 780.0 | 779.9 | 779.0 | 778.1 | 777.2 | 776.3 |
| 155° | 795.0 | 795.7 | 796.6 | 796.4 | 795.3 | 794.3 | 793.2 | 792.0 |
| 157.5° | 808.9 | 809.9 | 810.8 | 810.7 | 809.7 | 808.6 | 807.5 | 806.5 |
| 160° | 817.1 | 817.9 | 818.7 | 818.6 | 817.7 | 816.7 | 815.8 | 814.9 |
| 162.5° | 824.7 | 825.6 | 826.6 | 826.5 | 825.3 | 824.1 | 822.9 | 821.7 |
| 165° | 834.0 | 835.0 | 835.9 | 835.9 | 835.0 | 834.0 | 833.0 | 832.1 |
| 167.5° | 841.8 | 842.7 | 843.7 | 843.5 | 842.3 | 841.1 | 839.8 | 838.6 |
| 170° | 845.7 | 846.6 | 847.7 | 847.5 | 846.3 | 845.0 | 843.8 | 842.6 |
| 172.5° | 848.7 | 849.6 | 850.6 | 850.4 | 849.2 | 848.0 | 846.7 | 845.5 |
| 175° | 851.9 | 852.8 | 853.8 | 853.6 | 852.2 | 850.8 | 849.5 | 848.1 |
| 177.5° | 852.2 | 853.0 | 853.8 | 853.7 | 852.6 | 851.7 | 850.7 | 849.7 |
| 180° | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 | 851.2 |

(END OF REPORT)