

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: P331361-927

Luminaire Tested: **S122DIP-S675D925U927-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331361-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S675D925U927-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4752.1 lumens
Efficiency: N/A
Efficacy: 91.4 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

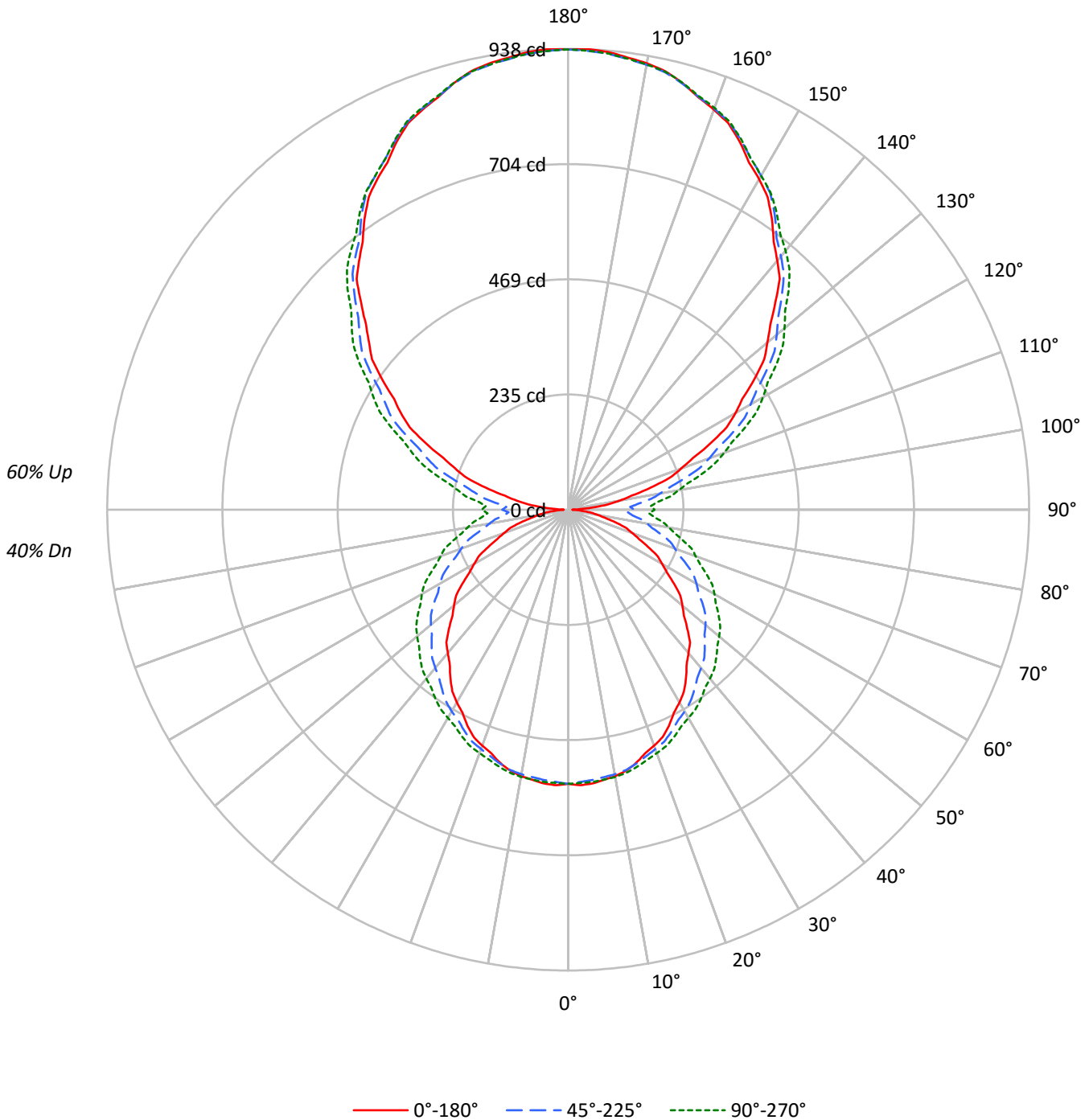
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

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 | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 78 | 78 | 78 | 62 | 62 | 62 | 47 | 47 | 47 | 40 |
| 1 | 94 | 90 | 85 | 81 | 85 | 81 | 78 | 74 | 66 | 64 | 61 | 52 | 50 | 49 | 39 | 38 | 37 | 31 |
| 2 | 85 | 77 | 71 | 65 | 77 | 70 | 65 | 60 | 57 | 53 | 50 | 45 | 42 | 40 | 34 | 32 | 30 | 25 |
| 3 | 78 | 68 | 60 | 54 | 70 | 62 | 55 | 50 | 50 | 45 | 41 | 40 | 36 | 33 | 30 | 27 | 25 | 21 |
| 4 | 71 | 60 | 51 | 45 | 64 | 54 | 47 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 24 | 21 | 17 |
| 5 | 65 | 53 | 45 | 38 | 58 | 48 | 41 | 35 | 39 | 34 | 30 | 31 | 27 | 24 | 24 | 21 | 18 | 15 |
| 6 | 59 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 38 | 31 | 25 | 46 | 35 | 28 | 23 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9009 | 9009 | 9009 |
| 5° | 9053 | 8672 | 8638 |
| 10° | 8996 | 8417 | 8321 |
| 15° | 8873 | 8146 | 7988 |
| 20° | 8716 | 7854 | 7665 |
| 25° | 8561 | 7573 | 7372 |
| 30° | 8343 | 7286 | 7079 |
| 35° | 8122 | 7007 | 6870 |
| 40° | 7890 | 6771 | 6665 |
| 45° | 7670 | 6558 | 6488 |
| 50° | 7431 | 6366 | 6313 |
| 55° | 7184 | 6161 | 6135 |
| 60° | 6882 | 5948 | 5948 |
| 65° | 6564 | 5697 | 5724 |
| 70° | 6211 | 5427 | 5485 |
| 75° | 5759 | 5163 | 5263 |
| 80° | 5048 | 4895 | 5040 |
| 85° | 4369 | 4658 | 4864 |



TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 52.9 | 1.1 |
| 10°-20° | 151.6 | 3.2 |
| 20°-30° | 229.8 | 4.8 |
| 30°-40° | 279.8 | 5.9 |
| 40°-50° | 301.1 | 6.3 |
| 50°-60° | 292.4 | 6.2 |
| 60°-70° | 255.3 | 5.4 |
| 70°-80° | 196.5 | 4.1 |
| 80°-90° | 135.6 | 2.9 |
| 90°-100° | 150.2 | 3.2 |
| 100°-110° | 250.7 | 5.3 |
| 110°-120° | 359.0 | 7.6 |
| 120°-130° | 438.9 | 9.2 |
| 130°-140° | 475.4 | 10.0 |
| 140°-150° | 457.9 | 9.6 |
| 150°-160° | 382.5 | 8.1 |
| 160°-170° | 253.7 | 5.3 |
| 170°-180° | 88.7 | 1.9 |
| 0°-30° | 434.3 | 9.1 |
| 0°-40° | 714.1 | 15.0 |
| 0°-60° | 1307.5 | 27.5 |
| 0°-90° | 1895.0 | 39.9 |
| 90°-120° | 759.9 | 16.0 |
| 90°-150° | 2132.1 | 44.9 |
| 90°-180° | 2857.0 | 60.1 |
| 0°-180° | 4752.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 558 | 558 | 558 | 558 | 558 | |
| 5° | 560 | 557 | 552 | 557 | 556 | 53 |
| 15° | 534 | 535 | 535 | 542 | 542 | 150 |
| 25° | 485 | 491 | 498 | 507 | 510 | 223 |
| 35° | 418 | 432 | 447 | 464 | 471 | 261 |
| 45° | 343 | 365 | 393 | 417 | 426 | 265 |
| 55° | 263 | 293 | 334 | 362 | 374 | 235 |
| 65° | 180 | 220 | 267 | 299 | 310 | 178 |
| 75° | 100 | 145 | 196 | 230 | 242 | 105 |
| 85° | 29 | 79 | 131 | 164 | 176 | 31 |
| 90° | 9 | 66 | 134 | 164 | 176 | 8 |
| 95° | 48 | 94 | 144 | 173 | 182 | 52 |
| 105° | 174 | 201 | 243 | 272 | 282 | 184 |
| 115° | 320 | 334 | 368 | 390 | 398 | 316 |
| 125° | 462 | 470 | 492 | 511 | 518 | 413 |
| 135° | 596 | 605 | 614 | 630 | 635 | 461 |
| 145° | 722 | 728 | 733 | 738 | 739 | 451 |
| 155° | 826 | 828 | 831 | 834 | 832 | 380 |
| 165° | 899 | 898 | 898 | 903 | 900 | 253 |
| 175° | 935 | 933 | 931 | 936 | 932 | 89 |
| 180° | 937 | 937 | 937 | 937 | 937 | |



TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 561.3 | 560.8 | 560.4 | 559.9 | 559.5 | 558.8 | 557.8 | 556.7 | 555.8 | 554.8 | 555.5 |
| 5° | 559.6 | 559.0 | 558.6 | 558.0 | 557.5 | 556.7 | 555.6 | 554.5 | 553.4 | 552.3 | 553.4 |
| 7.5° | 554.6 | 554.2 | 553.9 | 553.5 | 553.2 | 552.5 | 551.8 | 550.9 | 550.1 | 549.3 | 550.6 |
| 10° | 550.7 | 550.3 | 550.0 | 549.6 | 549.3 | 548.8 | 548.3 | 547.8 | 547.2 | 546.7 | 548.1 |
| 12.5° | 544.2 | 544.3 | 544.4 | 544.5 | 544.5 | 544.4 | 544.0 | 543.6 | 543.2 | 542.8 | 544.2 |
| 15° | 533.8 | 534.1 | 534.5 | 534.8 | 535.2 | 535.4 | 535.4 | 535.4 | 535.4 | 535.4 | 536.9 |
| 17.5° | 520.1 | 520.9 | 521.7 | 522.4 | 523.2 | 523.9 | 524.4 | 525.0 | 525.5 | 526.2 | 527.8 |
| 20° | 511.1 | 512.0 | 512.9 | 513.8 | 514.7 | 515.5 | 516.2 | 517.0 | 517.7 | 518.4 | 520.4 |
| 22.5° | 501.4 | 502.4 | 503.5 | 504.5 | 505.6 | 506.6 | 507.6 | 508.6 | 509.6 | 510.6 | 512.6 |
| 25° | 485.2 | 486.5 | 487.7 | 489.0 | 490.3 | 491.7 | 493.3 | 495.0 | 496.5 | 498.1 | 500.3 |
| 27.5° | 465.8 | 467.9 | 469.9 | 472.0 | 474.0 | 476.0 | 477.9 | 479.8 | 481.7 | 483.6 | 486.3 |
| 30° | 452.9 | 455.2 | 457.6 | 459.9 | 462.2 | 464.5 | 466.9 | 469.2 | 471.6 | 473.9 | 476.7 |
| 32.5° | 438.6 | 441.2 | 443.9 | 446.5 | 449.2 | 451.9 | 454.6 | 457.3 | 460.1 | 462.9 | 466.2 |
| 35° | 418.1 | 421.1 | 424.2 | 427.2 | 430.3 | 433.6 | 437.0 | 440.4 | 443.8 | 447.2 | 451.1 |
| 37.5° | 395.8 | 399.3 | 402.8 | 406.3 | 409.9 | 413.8 | 418.3 | 422.7 | 427.1 | 431.5 | 435.9 |
| 40° | 380.9 | 384.8 | 388.8 | 392.8 | 396.7 | 401.1 | 406.0 | 410.8 | 415.7 | 420.5 | 425.2 |
| 42.5° | 366.7 | 370.6 | 374.5 | 378.5 | 382.5 | 387.2 | 392.8 | 398.4 | 403.9 | 409.6 | 414.6 |
| 45° | 342.9 | 347.8 | 352.6 | 357.4 | 362.3 | 367.9 | 374.1 | 380.5 | 386.7 | 393.0 | 398.6 |
| 47.5° | 319.4 | 324.7 | 330.0 | 335.3 | 340.6 | 346.9 | 354.3 | 361.6 | 369.0 | 376.4 | 382.2 |
| 50° | 303.2 | 308.9 | 314.4 | 320.0 | 325.5 | 332.4 | 340.5 | 348.6 | 356.6 | 364.7 | 370.8 |
| 52.5° | 287.7 | 293.6 | 299.4 | 305.3 | 311.2 | 318.4 | 326.9 | 335.4 | 343.9 | 352.4 | 358.7 |
| 55° | 262.8 | 269.3 | 275.8 | 282.3 | 288.7 | 296.6 | 305.9 | 315.3 | 324.6 | 334.0 | 340.5 |
| 57.5° | 238.2 | 245.6 | 252.9 | 260.2 | 267.4 | 275.8 | 285.3 | 294.9 | 304.4 | 313.9 | 320.9 |
| 60° | 220.8 | 228.5 | 236.2 | 244.0 | 251.7 | 260.7 | 270.9 | 281.1 | 291.4 | 301.7 | 308.5 |
| 62.5° | 205.3 | 213.3 | 221.3 | 229.3 | 237.3 | 246.4 | 256.7 | 266.9 | 277.2 | 287.4 | 294.7 |
| 65° | 179.5 | 188.3 | 197.2 | 206.0 | 214.8 | 224.4 | 235.0 | 245.7 | 256.3 | 266.9 | 274.3 |
| 67.5° | 155.9 | 165.1 | 174.4 | 183.5 | 192.7 | 202.7 | 213.6 | 224.4 | 235.3 | 246.1 | 253.6 |
| 70° | 139.1 | 148.5 | 157.8 | 167.2 | 176.5 | 186.7 | 197.9 | 209.0 | 220.1 | 231.3 | 239.0 |
| 72.5° | 123.6 | 133.2 | 142.8 | 152.5 | 162.1 | 172.5 | 183.9 | 195.1 | 206.4 | 217.7 | 225.3 |
| 75° | 99.5 | 109.6 | 119.6 | 129.7 | 139.7 | 150.5 | 162.0 | 173.5 | 185.0 | 196.5 | 204.2 |
| 77.5° | 76.2 | 86.7 | 97.3 | 107.7 | 118.3 | 129.4 | 141.1 | 152.8 | 164.5 | 176.1 | 183.9 |
| 80° | 60.7 | 71.6 | 82.5 | 93.6 | 104.5 | 115.8 | 127.5 | 139.2 | 150.8 | 162.6 | 170.1 |
| 82.5° | 47.7 | 58.5 | 69.3 | 80.2 | 91.0 | 102.3 | 114.2 | 126.0 | 137.8 | 149.6 | 157.2 |
| 85° | 29.2 | 40.2 | 51.4 | 62.5 | 73.7 | 85.0 | 96.5 | 108.0 | 119.5 | 131.0 | 138.6 |
| 87.5° | 16.0 | 27.2 | 38.3 | 49.4 | 60.5 | 72.2 | 84.5 | 96.8 | 109.1 | 121.4 | 128.6 |
| 90° | 8.9 | 21.4 | 33.9 | 46.5 | 59.0 | 73.0 | 88.3 | 103.7 | 119.1 | 134.4 | 141.2 |
| 92.5° | 21.5 | 32.8 | 44.0 | 55.3 | 66.5 | 78.1 | 90.2 | 102.1 | 114.1 | 126.0 | 133.2 |
| 95° | 47.6 | 57.8 | 68.0 | 78.2 | 88.4 | 99.0 | 110.2 | 121.4 | 132.5 | 143.6 | 150.4 |
| 97.5° | 80.8 | 89.8 | 98.9 | 108.0 | 117.0 | 127.1 | 138.1 | 149.1 | 160.1 | 171.1 | 177.8 |
| 100° | 106.1 | 114.2 | 122.2 | 130.2 | 138.3 | 147.6 | 158.2 | 168.8 | 179.4 | 190.0 | 196.6 |
| 102.5° | 132.0 | 139.2 | 146.4 | 153.6 | 160.7 | 169.6 | 180.1 | 190.5 | 200.9 | 211.4 | 218.0 |
| 105° | 174.0 | 179.7 | 185.5 | 191.2 | 196.9 | 204.7 | 214.4 | 224.1 | 233.8 | 243.4 | 250.1 |
| 107.5° | 217.1 | 222.1 | 227.0 | 232.0 | 236.9 | 243.9 | 252.9 | 261.8 | 270.8 | 279.7 | 285.9 |
| 110° | 244.4 | 249.0 | 253.7 | 258.3 | 262.9 | 269.7 | 278.5 | 287.3 | 296.1 | 304.9 | 310.6 |



TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 274.7 | 278.8 | 282.9 | 286.9 | 291.0 | 297.1 | 305.4 | 313.6 | 321.9 | 330.1 | 335.4 |
| 115° | 319.5 | 322.5 | 325.5 | 328.5 | 331.6 | 337.0 | 344.7 | 352.4 | 360.2 | 367.9 | 373.1 |
| 117.5° | 363.2 | 365.9 | 368.6 | 371.4 | 374.1 | 378.7 | 385.2 | 391.7 | 398.1 | 404.6 | 409.5 |
| 120° | 393.0 | 395.1 | 397.2 | 399.3 | 401.5 | 405.4 | 411.2 | 417.0 | 422.8 | 428.6 | 433.6 |
| 122.5° | 420.2 | 422.2 | 424.1 | 426.1 | 428.0 | 431.9 | 437.7 | 443.5 | 449.2 | 455.0 | 459.5 |
| 125° | 461.7 | 463.3 | 464.9 | 466.4 | 468.0 | 471.4 | 476.7 | 481.9 | 487.1 | 492.3 | 496.7 |
| 127.5° | 503.0 | 504.8 | 506.6 | 508.4 | 510.2 | 513.2 | 517.2 | 521.2 | 525.2 | 529.2 | 533.1 |
| 130° | 528.9 | 531.0 | 533.1 | 535.2 | 537.3 | 540.1 | 543.5 | 546.9 | 550.4 | 553.8 | 557.8 |
| 132.5° | 558.0 | 559.7 | 561.3 | 563.1 | 564.7 | 567.0 | 570.1 | 573.1 | 576.0 | 579.0 | 582.4 |
| 135° | 596.1 | 598.0 | 600.0 | 601.9 | 603.8 | 605.9 | 608.0 | 610.1 | 612.3 | 614.5 | 618.1 |
| 137.5° | 637.1 | 638.6 | 640.2 | 641.7 | 643.3 | 644.6 | 645.9 | 647.1 | 648.4 | 649.6 | 652.8 |
| 140° | 661.7 | 663.1 | 664.5 | 665.9 | 667.3 | 668.7 | 669.9 | 671.1 | 672.3 | 673.6 | 676.4 |
| 142.5° | 687.0 | 688.4 | 689.8 | 691.3 | 692.6 | 693.6 | 694.3 | 695.0 | 695.7 | 696.3 | 698.8 |
| 145° | 722.5 | 723.8 | 725.0 | 726.3 | 727.5 | 728.6 | 729.7 | 730.7 | 731.8 | 732.8 | 734.1 |
| 147.5° | 754.9 | 756.5 | 758.0 | 759.4 | 760.9 | 762.0 | 762.7 | 763.3 | 764.1 | 764.8 | 765.3 |
| 150° | 777.1 | 778.2 | 779.2 | 780.3 | 781.3 | 782.2 | 782.9 | 783.6 | 784.3 | 785.1 | 785.5 |
| 152.5° | 796.7 | 797.8 | 798.8 | 799.9 | 801.0 | 801.9 | 802.7 | 803.6 | 804.4 | 805.3 | 806.0 |
| 155° | 826.2 | 826.6 | 827.2 | 827.8 | 828.2 | 828.8 | 829.3 | 829.8 | 830.4 | 830.8 | 831.8 |
| 157.5° | 851.3 | 851.6 | 852.0 | 852.3 | 852.7 | 853.0 | 853.3 | 853.7 | 854.0 | 854.3 | 855.5 |
| 160° | 866.5 | 866.8 | 867.1 | 867.5 | 867.8 | 868.2 | 868.3 | 868.5 | 868.6 | 868.8 | 869.9 |
| 162.5° | 880.4 | 880.4 | 880.5 | 880.6 | 880.7 | 880.7 | 881.0 | 881.1 | 881.3 | 881.5 | 882.6 |
| 165° | 898.9 | 898.7 | 898.5 | 898.3 | 898.2 | 898.1 | 898.1 | 898.1 | 898.1 | 898.1 | 899.3 |
| 167.5° | 914.3 | 913.9 | 913.3 | 912.8 | 912.3 | 912.0 | 912.0 | 911.9 | 911.9 | 911.8 | 913.1 |
| 170° | 922.6 | 922.0 | 921.5 | 921.0 | 920.4 | 920.1 | 920.0 | 919.8 | 919.6 | 919.4 | 920.7 |
| 172.5° | 928.3 | 927.7 | 927.2 | 926.7 | 926.1 | 925.8 | 925.7 | 925.4 | 925.3 | 925.1 | 926.4 |
| 175° | 935.3 | 934.7 | 934.1 | 933.7 | 933.1 | 932.7 | 932.3 | 932.0 | 931.6 | 931.3 | 932.5 |
| 177.5° | 938.1 | 937.6 | 937.2 | 936.8 | 936.4 | 936.0 | 935.7 | 935.5 | 935.2 | 934.9 | 935.7 |
| 180° | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 |



TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 | 558.0 |
| 2.5° | 556.2 | 556.9 | 557.6 | 557.9 | 557.5 | 557.3 | 557.0 | 556.7 |
| 5° | 554.5 | 555.6 | 556.7 | 557.1 | 556.9 | 556.7 | 556.6 | 556.3 |
| 7.5° | 551.8 | 553.2 | 554.4 | 555.0 | 554.8 | 554.6 | 554.4 | 554.3 |
| 10° | 549.5 | 551.0 | 552.5 | 553.0 | 552.9 | 552.7 | 552.5 | 552.3 |
| 12.5° | 545.7 | 547.1 | 548.6 | 549.1 | 549.0 | 548.8 | 548.7 | 548.4 |
| 15° | 538.6 | 540.2 | 541.9 | 542.6 | 542.4 | 542.2 | 542.0 | 541.9 |
| 17.5° | 529.5 | 531.2 | 532.9 | 533.8 | 533.8 | 533.8 | 533.8 | 533.8 |
| 20° | 522.4 | 524.3 | 526.2 | 527.3 | 527.3 | 527.3 | 527.3 | 527.3 |
| 22.5° | 514.6 | 516.6 | 518.5 | 519.7 | 519.9 | 520.2 | 520.5 | 520.8 |
| 25° | 502.5 | 504.6 | 506.8 | 508.1 | 508.7 | 509.2 | 509.8 | 510.3 |
| 27.5° | 489.1 | 491.8 | 494.6 | 496.1 | 496.5 | 496.9 | 497.3 | 497.6 |
| 30° | 479.7 | 482.5 | 485.4 | 487.1 | 487.7 | 488.2 | 488.7 | 489.3 |
| 32.5° | 469.5 | 472.9 | 476.1 | 478.2 | 479.3 | 480.2 | 481.2 | 482.1 |
| 35° | 455.1 | 459.1 | 463.0 | 465.6 | 466.9 | 468.2 | 469.4 | 470.6 |
| 37.5° | 440.3 | 444.7 | 449.1 | 451.9 | 453.3 | 454.6 | 455.9 | 457.2 |
| 40° | 429.8 | 434.5 | 439.2 | 442.4 | 443.9 | 445.6 | 447.2 | 448.9 |
| 42.5° | 419.7 | 424.8 | 429.9 | 433.3 | 434.9 | 436.6 | 438.2 | 439.7 |
| 45° | 404.2 | 409.7 | 415.3 | 419.0 | 420.8 | 422.6 | 424.4 | 426.2 |
| 47.5° | 388.0 | 393.9 | 399.7 | 403.5 | 405.5 | 407.5 | 409.5 | 411.5 |
| 50° | 376.9 | 383.0 | 389.2 | 393.2 | 395.2 | 397.2 | 399.1 | 401.1 |
| 52.5° | 365.0 | 371.2 | 377.5 | 381.7 | 383.7 | 385.9 | 388.0 | 390.1 |
| 55° | 346.9 | 353.4 | 359.9 | 364.2 | 366.6 | 368.9 | 371.3 | 373.6 |
| 57.5° | 327.9 | 334.9 | 341.8 | 346.5 | 348.9 | 351.3 | 353.6 | 356.0 |
| 60° | 315.3 | 322.1 | 329.0 | 333.7 | 336.1 | 338.7 | 341.2 | 343.7 |
| 62.5° | 301.9 | 309.2 | 316.5 | 321.3 | 323.6 | 326.0 | 328.4 | 330.7 |
| 65° | 281.6 | 289.0 | 296.4 | 301.2 | 303.6 | 305.9 | 308.2 | 310.5 |
| 67.5° | 261.0 | 268.5 | 275.9 | 280.9 | 283.3 | 285.7 | 288.2 | 290.7 |
| 70° | 246.8 | 254.4 | 262.2 | 267.1 | 269.3 | 271.5 | 273.6 | 275.8 |
| 72.5° | 232.9 | 240.4 | 248.0 | 253.1 | 255.7 | 258.3 | 260.9 | 263.5 |
| 75° | 212.0 | 219.7 | 227.4 | 232.4 | 234.8 | 237.1 | 239.5 | 241.8 |
| 77.5° | 191.5 | 199.2 | 206.9 | 212.0 | 214.5 | 217.1 | 219.5 | 222.0 |
| 80° | 177.6 | 185.2 | 192.7 | 197.8 | 200.3 | 202.8 | 205.3 | 207.9 |
| 82.5° | 164.7 | 172.2 | 179.8 | 184.7 | 187.1 | 189.5 | 191.9 | 194.2 |
| 85° | 146.1 | 153.7 | 161.2 | 166.2 | 168.7 | 171.3 | 173.8 | 176.3 |
| 87.5° | 135.9 | 143.1 | 150.4 | 155.2 | 157.5 | 159.9 | 162.2 | 164.5 |
| 90° | 148.1 | 155.0 | 161.8 | 166.4 | 168.7 | 171.0 | 173.3 | 175.7 |
| 92.5° | 140.3 | 147.4 | 154.6 | 159.1 | 161.4 | 163.6 | 165.7 | 167.9 |
| 95° | 157.2 | 164.1 | 170.9 | 175.2 | 177.1 | 178.9 | 180.6 | 182.4 |
| 97.5° | 184.4 | 191.1 | 197.7 | 202.1 | 204.1 | 206.3 | 208.3 | 210.4 |
| 100° | 203.3 | 209.9 | 216.6 | 220.8 | 222.6 | 224.4 | 226.2 | 228.0 |
| 102.5° | 224.7 | 231.3 | 238.0 | 242.2 | 244.0 | 245.8 | 247.6 | 249.4 |
| 105° | 256.7 | 263.4 | 270.1 | 274.3 | 276.3 | 278.3 | 280.3 | 282.3 |
| 107.5° | 292.1 | 298.3 | 304.4 | 308.1 | 309.3 | 310.4 | 311.6 | 312.8 |
| 110° | 316.4 | 322.2 | 327.9 | 331.5 | 333.0 | 334.4 | 335.9 | 337.3 |



TEST NUMBER: P331361-927

CATALOG NUMBER: S122DIP-S675D925U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 340.7 | 346.1 | 351.4 | 354.9 | 356.5 | 358.1 | 359.7 | 361.2 |
| 115° | 378.3 | 383.6 | 388.8 | 392.1 | 393.6 | 395.0 | 396.5 | 397.9 |
| 117.5° | 414.4 | 419.3 | 424.2 | 427.3 | 428.6 | 429.9 | 431.2 | 432.5 |
| 120° | 438.6 | 443.6 | 448.7 | 451.9 | 453.4 | 454.8 | 456.3 | 457.7 |
| 122.5° | 464.0 | 468.4 | 472.9 | 475.8 | 477.1 | 478.4 | 479.7 | 481.0 |
| 125° | 501.0 | 505.3 | 509.6 | 512.5 | 514.0 | 515.4 | 516.8 | 518.3 |
| 127.5° | 536.9 | 540.7 | 544.5 | 546.9 | 548.0 | 549.0 | 550.0 | 551.0 |
| 130° | 561.7 | 565.7 | 569.7 | 572.0 | 572.7 | 573.5 | 574.2 | 574.9 |
| 132.5° | 585.8 | 589.2 | 592.6 | 594.7 | 595.6 | 596.5 | 597.4 | 598.3 |
| 135° | 621.6 | 625.3 | 628.8 | 631.1 | 632.0 | 633.0 | 633.8 | 634.8 |
| 137.5° | 655.9 | 659.1 | 662.3 | 664.1 | 664.6 | 665.2 | 665.7 | 666.2 |
| 140° | 679.4 | 682.2 | 685.1 | 686.7 | 687.1 | 687.5 | 687.9 | 688.2 |
| 142.5° | 701.2 | 703.6 | 706.1 | 707.4 | 707.7 | 707.9 | 708.1 | 708.4 |
| 145° | 735.4 | 736.7 | 737.8 | 738.6 | 738.8 | 738.9 | 739.2 | 739.3 |
| 147.5° | 765.9 | 766.4 | 766.9 | 767.1 | 766.8 | 766.6 | 766.4 | 766.1 |
| 150° | 786.1 | 786.6 | 787.1 | 787.1 | 786.6 | 786.1 | 785.5 | 785.1 |
| 152.5° | 806.6 | 807.2 | 807.9 | 807.9 | 807.2 | 806.6 | 806.0 | 805.3 |
| 155° | 832.7 | 833.5 | 834.4 | 834.6 | 834.0 | 833.5 | 833.0 | 832.4 |
| 157.5° | 856.7 | 857.9 | 859.0 | 859.2 | 858.4 | 857.5 | 856.7 | 855.9 |
| 160° | 870.9 | 872.0 | 873.1 | 873.2 | 872.5 | 871.8 | 871.1 | 870.4 |
| 162.5° | 883.8 | 885.0 | 886.2 | 886.5 | 885.6 | 884.7 | 883.9 | 883.0 |
| 165° | 900.6 | 901.7 | 903.0 | 903.2 | 902.3 | 901.4 | 900.6 | 899.7 |
| 167.5° | 914.3 | 915.5 | 916.7 | 916.9 | 916.0 | 915.0 | 914.2 | 913.2 |
| 170° | 921.9 | 923.1 | 924.3 | 924.4 | 923.4 | 922.3 | 921.2 | 920.2 |
| 172.5° | 927.6 | 928.8 | 930.0 | 930.1 | 929.1 | 928.0 | 926.9 | 925.9 |
| 175° | 933.7 | 934.9 | 936.2 | 936.3 | 935.3 | 934.1 | 933.1 | 932.1 |
| 177.5° | 936.6 | 937.5 | 938.3 | 938.3 | 937.5 | 936.6 | 935.7 | 934.9 |
| 180° | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 | 936.8 |

(END OF REPORT)