

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: P331352-935

Luminaire Tested: **S122DIP-S675D725U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331352-935
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-S675D725U935-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4546.9 lumens
Efficiency: N/A
Efficacy: 99.1 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: General Diffuse

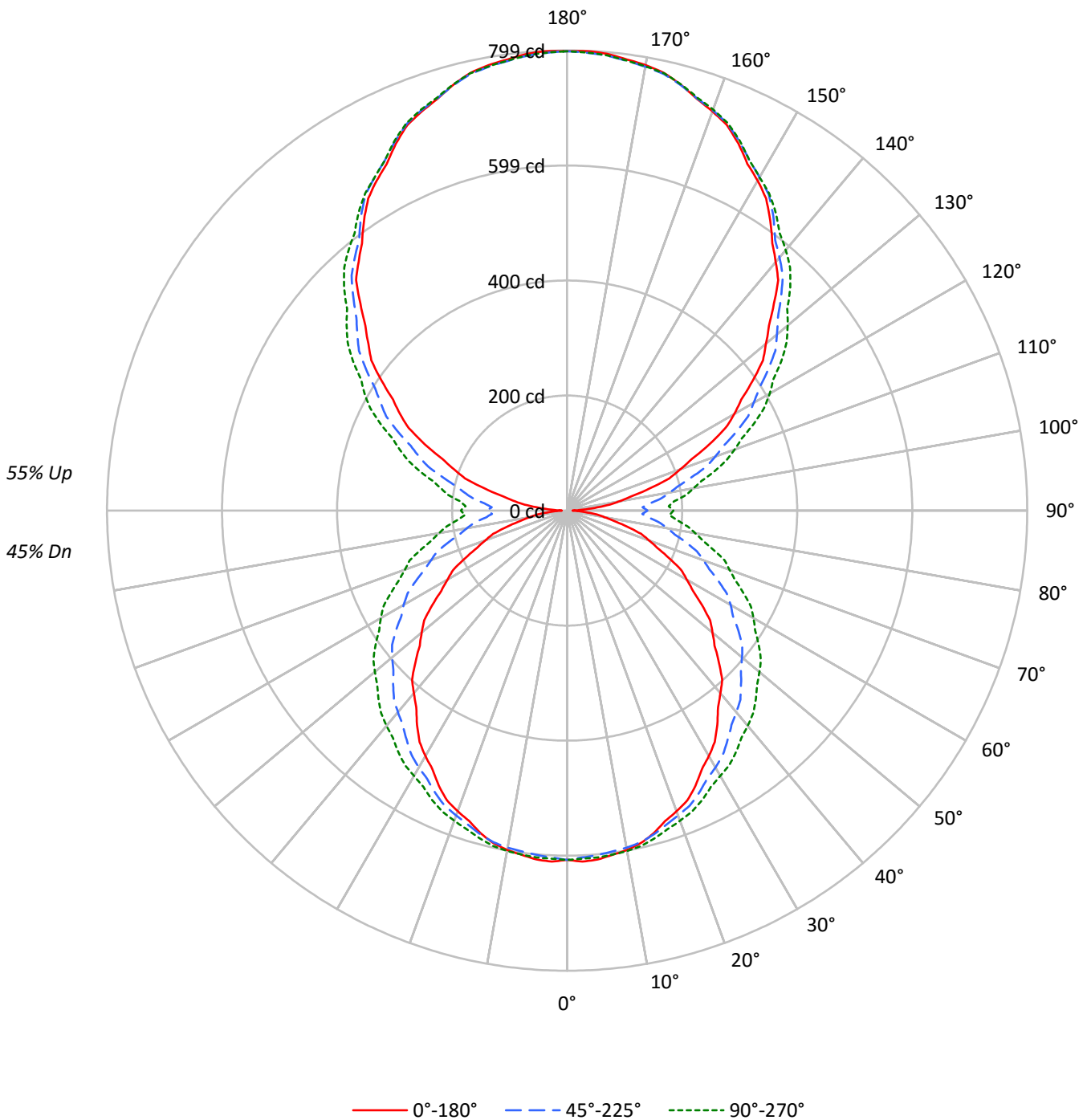
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 | 45 |
| 1 | 95 | 90 | 86 | 82 | 87 | 83 | 79 | 76 | 69 | 66 | 63 | 56 | 54 | 52 | 44 | 42 | 41 | 35 |
| 2 | 86 | 78 | 72 | 66 | 79 | 72 | 66 | 61 | 59 | 55 | 51 | 48 | 45 | 42 | 38 | 35 | 33 | 28 |
| 3 | 78 | 68 | 60 | 54 | 71 | 63 | 56 | 50 | 52 | 47 | 43 | 42 | 38 | 35 | 33 | 30 | 28 | 24 |
| 4 | 71 | 60 | 52 | 45 | 65 | 55 | 48 | 42 | 46 | 40 | 36 | 37 | 33 | 30 | 29 | 26 | 24 | 20 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 42 | 36 | 41 | 35 | 31 | 33 | 29 | 25 | 26 | 23 | 20 | 17 |
| 6 | 60 | 48 | 39 | 33 | 55 | 44 | 36 | 31 | 37 | 31 | 26 | 30 | 25 | 22 | 24 | 20 | 18 | 15 |
| 7 | 56 | 43 | 35 | 29 | 51 | 40 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 19 | 21 | 18 | 16 | 13 |
| 8 | 51 | 39 | 31 | 25 | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 11 |
| 9 | 48 | 35 | 28 | 23 | 44 | 33 | 26 | 21 | 28 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 13 | 10 |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 21 | 17 | 14 | 17 | 14 | 11 | 9 |

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 |



TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.5 | 1.3 |
| 10°-20° | 164.8 | 3.6 |
| 20°-30° | 249.7 | 5.5 |
| 30°-40° | 304.2 | 6.7 |
| 40°-50° | 327.2 | 7.2 |
| 50°-60° | 317.8 | 7.0 |
| 60°-70° | 277.5 | 6.1 |
| 70°-80° | 213.6 | 4.7 |
| 80°-90° | 146.5 | 3.2 |
| 90°-100° | 149.3 | 3.3 |
| 100°-110° | 229.1 | 5.0 |
| 110°-120° | 315.9 | 6.9 |
| 120°-130° | 379.4 | 8.3 |
| 130°-140° | 407.1 | 9.0 |
| 140°-150° | 390.2 | 8.6 |
| 150°-160° | 325.7 | 7.2 |
| 160°-170° | 216.0 | 4.8 |
| 170°-180° | 75.5 | 1.7 |
| 0°-30° | 472.0 | 10.4 |
| 0°-40° | 776.1 | 17.1 |
| 0°-60° | 1421.1 | 31.3 |
| 0°-90° | 2058.8 | 45.3 |
| 90°-120° | 694.3 | 15.3 |
| 90°-150° | 1871.0 | 41.1 |
| 90°-180° | 2488.0 | 54.7 |
| 0°-180° | 4546.9 | 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 | 69 | 140 | 172 | 185 | 8 |
| 95° | 42 | 90 | 144 | 176 | 187 | 46 |
| 105° | 149 | 178 | 224 | 254 | 265 | 158 |
| 115° | 273 | 288 | 325 | 349 | 358 | 269 |
| 125° | 394 | 401 | 426 | 447 | 454 | 352 |
| 135° | 508 | 515 | 525 | 542 | 548 | 392 |
| 145° | 615 | 620 | 624 | 630 | 632 | 384 |
| 155° | 703 | 705 | 707 | 710 | 709 | 324 |
| 165° | 765 | 765 | 764 | 769 | 766 | 216 |
| 175° | 796 | 794 | 793 | 797 | 794 | 76 |
| 180° | 798 | 798 | 798 | 798 | 798 | |



TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-UDD-D1

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 | 29.4 | 41.3 | 53.4 | 65.3 | 77.9 | 91.1 | 104.3 | 117.4 | 130.6 | 138.4 |
| 90° | 9.5 | 22.6 | 35.7 | 48.8 | 62.0 | 76.4 | 92.2 | 108.0 | 123.8 | 139.6 | 147.1 |
| 92.5° | 20.1 | 31.9 | 43.8 | 55.6 | 67.5 | 79.8 | 92.6 | 105.5 | 118.3 | 131.1 | 138.8 |
| 95° | 42.0 | 52.7 | 63.4 | 74.0 | 84.7 | 96.1 | 108.1 | 120.1 | 132.2 | 144.1 | 151.5 |
| 97.5° | 70.1 | 79.6 | 89.0 | 98.5 | 108.0 | 118.6 | 130.4 | 142.3 | 154.1 | 165.9 | 173.1 |
| 100° | 91.6 | 100.0 | 108.5 | 116.9 | 125.3 | 135.3 | 146.6 | 158.0 | 169.4 | 180.8 | 188.0 |
| 102.5° | 113.6 | 121.1 | 128.6 | 136.2 | 143.8 | 153.2 | 164.4 | 175.6 | 186.8 | 197.9 | 205.1 |
| 105° | 149.1 | 155.2 | 161.4 | 167.5 | 173.6 | 181.8 | 192.3 | 202.8 | 213.2 | 223.7 | 230.7 |
| 107.5° | 185.8 | 191.0 | 196.1 | 201.4 | 206.6 | 214.0 | 223.8 | 233.5 | 243.2 | 252.9 | 259.6 |
| 110° | 208.8 | 213.6 | 218.3 | 223.2 | 228.0 | 235.1 | 244.8 | 254.3 | 263.9 | 273.5 | 279.7 |



TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 234.6 | 238.8 | 243.0 | 247.2 | 251.3 | 258.0 | 266.9 | 275.9 | 284.9 | 293.9 | 299.7 |
| 115° | 272.7 | 275.8 | 278.8 | 281.9 | 284.9 | 290.7 | 299.2 | 307.6 | 316.2 | 324.6 | 330.4 |
| 117.5° | 309.8 | 312.4 | 315.0 | 317.6 | 320.2 | 325.1 | 332.4 | 339.8 | 347.0 | 354.3 | 359.7 |
| 120° | 335.1 | 337.1 | 339.1 | 341.0 | 343.0 | 347.3 | 354.0 | 360.5 | 367.1 | 373.8 | 379.3 |
| 122.5° | 358.3 | 360.0 | 361.7 | 363.5 | 365.2 | 369.4 | 375.9 | 382.4 | 388.9 | 395.4 | 400.4 |
| 125° | 393.5 | 394.8 | 396.1 | 397.4 | 398.8 | 402.4 | 408.2 | 414.0 | 419.8 | 425.6 | 430.4 |
| 127.5° | 428.6 | 430.1 | 431.6 | 433.1 | 434.6 | 437.6 | 442.1 | 446.6 | 451.1 | 455.6 | 459.9 |
| 130° | 450.6 | 452.4 | 454.2 | 455.9 | 457.6 | 460.4 | 464.3 | 468.0 | 471.8 | 475.6 | 480.0 |
| 132.5° | 475.4 | 476.8 | 478.2 | 479.6 | 481.0 | 483.3 | 486.5 | 489.7 | 492.9 | 496.2 | 500.1 |
| 135° | 507.6 | 509.3 | 510.9 | 512.6 | 514.2 | 516.2 | 518.4 | 520.6 | 523.0 | 525.2 | 529.2 |
| 137.5° | 542.5 | 543.8 | 545.1 | 546.4 | 547.8 | 549.0 | 550.3 | 551.5 | 552.8 | 554.0 | 557.5 |
| 140° | 563.5 | 564.6 | 565.8 | 567.0 | 568.1 | 569.2 | 570.4 | 571.5 | 572.7 | 573.8 | 577.0 |
| 142.5° | 585.0 | 586.2 | 587.4 | 588.5 | 589.6 | 590.5 | 591.1 | 591.7 | 592.3 | 592.9 | 595.5 |
| 145° | 615.1 | 616.1 | 617.3 | 618.3 | 619.3 | 620.3 | 621.2 | 622.1 | 622.9 | 623.9 | 625.2 |
| 147.5° | 642.7 | 643.9 | 645.2 | 646.4 | 647.7 | 648.7 | 649.3 | 649.9 | 650.5 | 651.1 | 651.5 |
| 150° | 661.6 | 662.5 | 663.3 | 664.3 | 665.1 | 665.9 | 666.5 | 667.1 | 667.7 | 668.3 | 668.7 |
| 152.5° | 678.2 | 679.2 | 680.0 | 681.0 | 681.8 | 682.6 | 683.4 | 684.1 | 684.8 | 685.5 | 686.0 |
| 155° | 703.3 | 703.7 | 704.2 | 704.6 | 705.1 | 705.5 | 705.9 | 706.5 | 706.9 | 707.3 | 708.1 |
| 157.5° | 724.7 | 725.0 | 725.3 | 725.6 | 725.9 | 726.2 | 726.4 | 726.7 | 726.9 | 727.2 | 728.2 |
| 160° | 737.6 | 737.9 | 738.2 | 738.5 | 738.8 | 739.0 | 739.2 | 739.3 | 739.5 | 739.6 | 740.5 |
| 162.5° | 749.4 | 749.5 | 749.6 | 749.6 | 749.7 | 749.8 | 749.9 | 750.1 | 750.3 | 750.4 | 751.4 |
| 165° | 765.2 | 765.1 | 764.9 | 764.7 | 764.6 | 764.5 | 764.5 | 764.5 | 764.5 | 764.5 | 765.6 |
| 167.5° | 778.3 | 777.9 | 777.5 | 777.1 | 776.6 | 776.4 | 776.4 | 776.3 | 776.3 | 776.2 | 777.3 |
| 170° | 785.4 | 785.0 | 784.5 | 784.0 | 783.6 | 783.3 | 783.2 | 783.0 | 782.8 | 782.6 | 783.8 |
| 172.5° | 790.2 | 789.8 | 789.4 | 788.8 | 788.4 | 788.2 | 788.0 | 787.8 | 787.7 | 787.6 | 788.6 |
| 175° | 796.2 | 795.7 | 795.2 | 794.8 | 794.4 | 794.0 | 793.7 | 793.4 | 793.1 | 792.8 | 793.8 |
| 177.5° | 798.6 | 798.2 | 797.9 | 797.5 | 797.1 | 796.9 | 796.6 | 796.3 | 796.1 | 795.9 | 796.6 |
| 180° | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 |



TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-UDD-D1

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° | 146.4 | 154.3 | 162.2 | 167.5 | 170.0 | 172.5 | 175.0 | 177.5 |
| 90° | 154.6 | 162.1 | 169.6 | 174.6 | 177.1 | 179.6 | 182.1 | 184.6 |
| 92.5° | 146.5 | 154.2 | 162.0 | 167.0 | 169.4 | 171.8 | 174.1 | 176.5 |
| 95° | 159.0 | 166.4 | 173.8 | 178.6 | 180.6 | 182.7 | 184.7 | 186.8 |
| 97.5° | 180.4 | 187.6 | 194.8 | 199.6 | 201.9 | 204.1 | 206.4 | 208.7 |
| 100° | 195.2 | 202.4 | 209.7 | 214.3 | 216.3 | 218.3 | 220.2 | 222.3 |
| 102.5° | 212.3 | 219.5 | 226.7 | 231.3 | 233.2 | 235.3 | 237.3 | 239.3 |
| 105° | 237.9 | 245.0 | 252.2 | 256.8 | 259.0 | 261.1 | 263.3 | 265.4 |
| 107.5° | 266.3 | 272.9 | 279.7 | 283.7 | 285.2 | 286.6 | 288.1 | 289.6 |
| 110° | 285.9 | 292.2 | 298.5 | 302.5 | 304.1 | 305.8 | 307.5 | 309.3 |



TEST NUMBER: P331352-935

CATALOG NUMBER: S122DIP-S675D725U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 305.7 | 311.5 | 317.5 | 321.2 | 323.0 | 324.9 | 326.7 | 328.6 |
| 115° | 336.0 | 341.7 | 347.5 | 351.2 | 352.8 | 354.6 | 356.3 | 358.0 |
| 117.5° | 365.2 | 370.6 | 376.0 | 379.4 | 381.0 | 382.5 | 384.1 | 385.6 |
| 120° | 384.7 | 390.2 | 395.6 | 399.2 | 401.0 | 402.6 | 404.3 | 406.0 |
| 122.5° | 405.3 | 410.3 | 415.2 | 418.4 | 419.9 | 421.5 | 422.9 | 424.5 |
| 125° | 435.2 | 440.1 | 444.9 | 448.2 | 449.7 | 451.3 | 453.0 | 454.5 |
| 127.5° | 464.3 | 468.6 | 472.9 | 475.6 | 476.8 | 478.1 | 479.3 | 480.6 |
| 130° | 484.4 | 488.8 | 493.2 | 495.8 | 496.8 | 497.7 | 498.8 | 499.7 |
| 132.5° | 503.9 | 507.8 | 511.7 | 514.2 | 515.2 | 516.3 | 517.4 | 518.5 |
| 135° | 533.0 | 537.0 | 541.0 | 543.5 | 544.7 | 545.8 | 546.9 | 547.9 |
| 137.5° | 560.9 | 564.4 | 567.9 | 570.0 | 570.8 | 571.4 | 572.2 | 572.9 |
| 140° | 580.1 | 583.2 | 586.3 | 588.1 | 588.8 | 589.3 | 589.9 | 590.5 |
| 142.5° | 598.1 | 600.7 | 603.3 | 604.9 | 605.3 | 605.7 | 606.1 | 606.5 |
| 145° | 626.5 | 627.8 | 629.1 | 630.0 | 630.3 | 630.8 | 631.1 | 631.5 |
| 147.5° | 652.0 | 652.6 | 653.0 | 653.2 | 653.1 | 653.0 | 652.9 | 652.8 |
| 150° | 669.2 | 669.6 | 670.1 | 670.1 | 669.6 | 669.2 | 668.7 | 668.3 |
| 152.5° | 686.6 | 687.3 | 687.8 | 687.8 | 687.3 | 686.6 | 686.0 | 685.5 |
| 155° | 708.8 | 709.6 | 710.3 | 710.5 | 710.0 | 709.6 | 709.1 | 708.7 |
| 157.5° | 729.3 | 730.3 | 731.3 | 731.4 | 730.7 | 730.0 | 729.3 | 728.6 |
| 160° | 741.4 | 742.4 | 743.2 | 743.4 | 742.8 | 742.2 | 741.6 | 741.0 |
| 162.5° | 752.4 | 753.5 | 754.5 | 754.6 | 753.9 | 753.2 | 752.4 | 751.7 |
| 165° | 766.6 | 767.7 | 768.7 | 768.9 | 768.1 | 767.3 | 766.6 | 765.9 |
| 167.5° | 778.3 | 779.4 | 780.4 | 780.6 | 779.8 | 779.0 | 778.3 | 777.5 |
| 170° | 784.8 | 785.8 | 786.9 | 787.0 | 786.1 | 785.1 | 784.3 | 783.3 |
| 172.5° | 789.6 | 790.7 | 791.7 | 791.8 | 790.9 | 790.0 | 789.1 | 788.2 |
| 175° | 794.9 | 795.9 | 796.9 | 797.0 | 796.2 | 795.2 | 794.4 | 793.5 |
| 177.5° | 797.3 | 798.1 | 798.7 | 798.7 | 798.1 | 797.3 | 796.6 | 795.9 |
| 180° | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 |

(END OF REPORT)