

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: P331360-940

Luminaire Tested: **S122DIP-S675D925U940-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331360-940
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-S675D925U940-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5697.4 lumens
Efficiency: N/A
Efficacy: 109.6 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

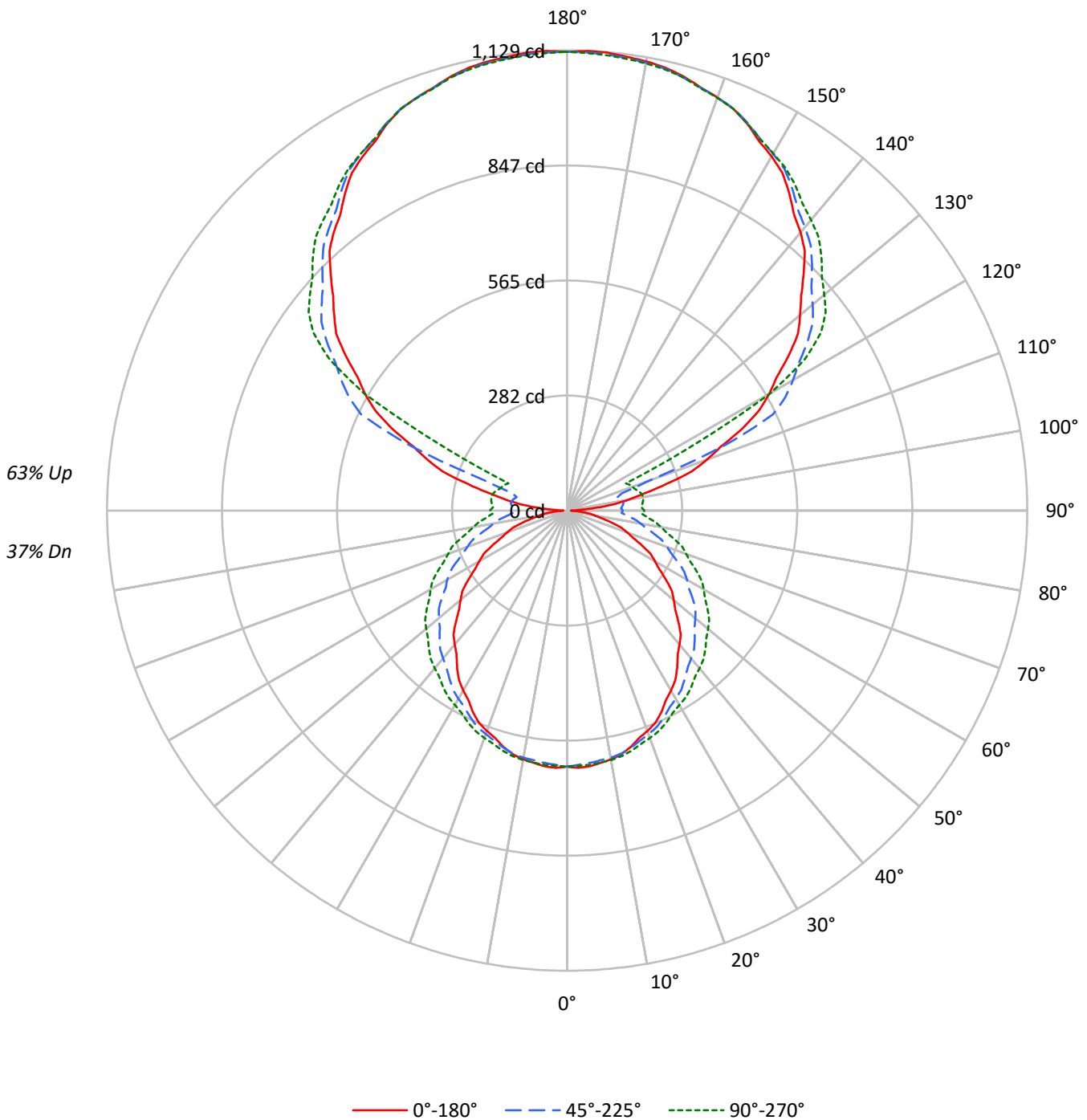
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

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 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 37 |
| 1 | 94 | 89 | 85 | 81 | 85 | 81 | 77 | 74 | 65 | 63 | 60 | 51 | 49 | 47 | 38 | 36 | 35 | 29 |
| 2 | 85 | 77 | 71 | 65 | 77 | 70 | 64 | 60 | 56 | 52 | 49 | 44 | 41 | 39 | 32 | 31 | 29 | 24 |
| 3 | 77 | 67 | 60 | 54 | 69 | 61 | 55 | 49 | 49 | 45 | 41 | 38 | 35 | 32 | 28 | 26 | 24 | 19 |
| 4 | 70 | 59 | 51 | 45 | 63 | 54 | 47 | 41 | 44 | 38 | 34 | 34 | 30 | 27 | 25 | 23 | 20 | 16 |
| 5 | 64 | 53 | 44 | 38 | 58 | 48 | 41 | 35 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 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 | 18 | 16 | 14 | 11 |
| 8 | 51 | 38 | 30 | 25 | 46 | 35 | 28 | 23 | 29 | 23 | 19 | 23 | 19 | 16 | 17 | 14 | 12 | 9 |
| 9 | 47 | 35 | 27 | 22 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 8 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 15 | 19 | 15 | 13 | 14 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10141 | 10141 | 10141 |
| 5° | 10191 | 9762 | 9724 |
| 10° | 10126 | 9474 | 9367 |
| 15° | 9987 | 9168 | 8990 |
| 20° | 9810 | 8841 | 8627 |
| 25° | 9637 | 8525 | 8298 |
| 30° | 9392 | 8201 | 7967 |
| 35° | 9142 | 7888 | 7735 |
| 40° | 8880 | 7621 | 7501 |
| 45° | 8632 | 7383 | 7302 |
| 50° | 8365 | 7166 | 7106 |
| 55° | 8089 | 6934 | 6906 |
| 60° | 7745 | 6695 | 6695 |
| 65° | 7391 | 6412 | 6445 |
| 70° | 6992 | 6110 | 6173 |
| 75° | 6483 | 5811 | 5925 |
| 80° | 5680 | 5509 | 5672 |
| 85° | 4908 | 5245 | 5473 |



TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.5 | 1.0 |
| 10°-20° | 170.7 | 3.0 |
| 20°-30° | 258.6 | 4.5 |
| 30°-40° | 315.0 | 5.5 |
| 40°-50° | 338.9 | 5.9 |
| 50°-60° | 329.1 | 5.8 |
| 60°-70° | 287.4 | 5.0 |
| 70°-80° | 221.2 | 3.9 |
| 80°-90° | 151.2 | 2.7 |
| 90°-100° | 139.8 | 2.5 |
| 100°-110° | 212.4 | 3.7 |
| 110°-120° | 417.4 | 7.3 |
| 120°-130° | 635.0 | 11.1 |
| 130°-140° | 657.6 | 11.5 |
| 140°-150° | 602.5 | 10.6 |
| 150°-160° | 482.8 | 8.5 |
| 160°-170° | 311.1 | 5.5 |
| 170°-180° | 107.1 | 1.9 |
| 0°-30° | 488.8 | 8.6 |
| 0°-40° | 803.8 | 14.1 |
| 0°-60° | 1471.8 | 25.8 |
| 0°-90° | 2131.7 | 37.4 |
| 90°-120° | 769.6 | 13.5 |
| 90°-150° | 2664.7 | 46.8 |
| 90°-180° | 3566.0 | 62.6 |
| 0°-180° | 5697.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 628 | 628 | 628 | 628 | 628 | |
| 5° | 630 | 627 | 622 | 627 | 626 | 60 |
| 15° | 601 | 602 | 603 | 610 | 610 | 169 |
| 25° | 546 | 553 | 561 | 571 | 574 | 251 |
| 35° | 471 | 486 | 503 | 523 | 530 | 294 |
| 45° | 386 | 411 | 442 | 470 | 480 | 298 |
| 55° | 296 | 329 | 376 | 408 | 420 | 264 |
| 65° | 202 | 247 | 300 | 336 | 350 | 201 |
| 75° | 112 | 163 | 221 | 259 | 272 | 118 |
| 85° | 33 | 89 | 148 | 184 | 198 | 35 |
| 90° | 10 | 72 | 136 | 175 | 190 | 9 |
| 95° | 60 | 79 | 136 | 174 | 185 | 71 |
| 105° | 252 | 290 | 128 | 167 | 182 | 270 |
| 115° | 472 | 498 | 557 | 224 | 159 | 464 |
| 125° | 664 | 676 | 719 | 748 | 760 | 592 |
| 135° | 820 | 833 | 850 | 876 | 882 | 634 |
| 145° | 950 | 950 | 963 | 974 | 975 | 594 |
| 155° | 1046 | 1040 | 1049 | 1053 | 1047 | 482 |
| 165° | 1103 | 1098 | 1100 | 1105 | 1100 | 311 |
| 175° | 1128 | 1123 | 1124 | 1129 | 1121 | 107 |
| 180° | 1126 | 1126 | 1126 | 1126 | 1126 | |



TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 |
| 2.5° | 631.8 | 631.2 | 630.8 | 630.3 | 629.8 | 629.0 | 627.9 | 626.7 | 625.6 | 624.5 | 625.3 |
| 5° | 629.9 | 629.3 | 628.7 | 628.1 | 627.5 | 626.6 | 625.4 | 624.2 | 622.9 | 621.7 | 622.9 |
| 7.5° | 624.3 | 623.8 | 623.5 | 623.0 | 622.7 | 622.0 | 621.1 | 620.1 | 619.2 | 618.3 | 619.7 |
| 10° | 619.9 | 619.5 | 619.1 | 618.7 | 618.3 | 617.8 | 617.2 | 616.6 | 616.0 | 615.4 | 617.0 |
| 12.5° | 612.6 | 612.7 | 612.8 | 612.9 | 613.0 | 612.8 | 612.3 | 611.9 | 611.4 | 611.0 | 612.6 |
| 15° | 600.8 | 601.2 | 601.6 | 602.0 | 602.4 | 602.6 | 602.6 | 602.6 | 602.6 | 602.6 | 604.4 |
| 17.5° | 585.5 | 586.4 | 587.2 | 588.1 | 588.9 | 589.7 | 590.3 | 590.9 | 591.6 | 592.3 | 594.1 |
| 20° | 575.3 | 576.3 | 577.3 | 578.4 | 579.3 | 580.2 | 581.0 | 581.9 | 582.7 | 583.5 | 585.8 |
| 22.5° | 564.4 | 565.5 | 566.8 | 567.9 | 569.1 | 570.2 | 571.4 | 572.5 | 573.6 | 574.8 | 577.0 |
| 25° | 546.2 | 547.6 | 549.0 | 550.5 | 551.9 | 553.5 | 555.3 | 557.1 | 558.9 | 560.7 | 563.2 |
| 27.5° | 524.3 | 526.6 | 529.0 | 531.3 | 533.6 | 535.8 | 538.0 | 540.1 | 542.2 | 544.4 | 547.4 |
| 30° | 509.8 | 512.4 | 515.1 | 517.6 | 520.3 | 522.9 | 525.6 | 528.2 | 530.8 | 533.4 | 536.6 |
| 32.5° | 493.7 | 496.7 | 499.6 | 502.6 | 505.6 | 508.6 | 511.8 | 514.8 | 517.9 | 521.0 | 524.8 |
| 35° | 470.6 | 474.0 | 477.5 | 480.9 | 484.4 | 488.0 | 491.9 | 495.7 | 499.5 | 503.4 | 507.8 |
| 37.5° | 445.5 | 449.5 | 453.4 | 457.4 | 461.4 | 465.8 | 470.8 | 475.8 | 480.7 | 485.7 | 490.7 |
| 40° | 428.7 | 433.2 | 437.7 | 442.1 | 446.6 | 451.5 | 457.0 | 462.4 | 467.9 | 473.3 | 478.6 |
| 42.5° | 412.8 | 417.1 | 421.6 | 426.1 | 430.5 | 435.9 | 442.2 | 448.4 | 454.7 | 461.0 | 466.7 |
| 45° | 385.9 | 391.5 | 396.9 | 402.3 | 407.8 | 414.1 | 421.2 | 428.3 | 435.3 | 442.4 | 448.7 |
| 47.5° | 359.5 | 365.5 | 371.5 | 377.4 | 383.3 | 390.5 | 398.8 | 407.1 | 415.4 | 423.7 | 430.3 |
| 50° | 341.3 | 347.7 | 353.9 | 360.2 | 366.4 | 374.2 | 383.3 | 392.4 | 401.4 | 410.5 | 417.4 |
| 52.5° | 323.9 | 330.5 | 337.1 | 343.7 | 350.3 | 358.4 | 367.9 | 377.6 | 387.1 | 396.7 | 403.8 |
| 55° | 295.9 | 303.1 | 310.4 | 317.7 | 324.9 | 333.9 | 344.4 | 354.9 | 365.4 | 375.9 | 383.3 |
| 57.5° | 268.1 | 276.4 | 284.6 | 292.8 | 301.0 | 310.5 | 321.2 | 331.9 | 342.7 | 353.4 | 361.2 |
| 60° | 248.5 | 257.2 | 265.9 | 274.6 | 283.3 | 293.5 | 305.0 | 316.5 | 328.0 | 339.6 | 347.2 |
| 62.5° | 231.0 | 240.0 | 249.1 | 258.1 | 267.2 | 277.4 | 288.9 | 300.4 | 312.0 | 323.5 | 331.7 |
| 65° | 202.1 | 212.0 | 221.9 | 231.8 | 241.7 | 252.6 | 264.6 | 276.5 | 288.5 | 300.4 | 308.7 |
| 67.5° | 175.5 | 185.8 | 196.3 | 206.6 | 217.0 | 228.2 | 240.4 | 252.6 | 264.8 | 277.1 | 285.4 |
| 70° | 156.6 | 167.1 | 177.6 | 188.2 | 198.7 | 210.2 | 222.7 | 235.2 | 247.8 | 260.4 | 269.0 |
| 72.5° | 139.1 | 149.9 | 160.8 | 171.7 | 182.4 | 194.2 | 207.0 | 219.6 | 232.4 | 245.0 | 253.6 |
| 75° | 112.0 | 123.3 | 134.6 | 146.0 | 157.3 | 169.4 | 182.4 | 195.3 | 208.2 | 221.2 | 229.9 |
| 77.5° | 85.8 | 97.6 | 109.5 | 121.3 | 133.1 | 145.7 | 158.8 | 172.0 | 185.1 | 198.2 | 207.0 |
| 80° | 68.3 | 80.6 | 92.9 | 105.3 | 117.6 | 130.4 | 143.6 | 156.7 | 169.8 | 183.0 | 191.5 |
| 82.5° | 53.7 | 65.9 | 78.0 | 90.2 | 102.5 | 115.1 | 128.5 | 141.8 | 155.1 | 168.4 | 176.9 |
| 85° | 32.8 | 45.3 | 57.9 | 70.4 | 82.9 | 95.7 | 108.6 | 121.5 | 134.6 | 147.5 | 156.0 |
| 87.5° | 18.0 | 30.5 | 42.9 | 55.4 | 67.9 | 80.7 | 93.9 | 107.2 | 120.4 | 133.6 | 142.0 |
| 90° | 9.9 | 23.6 | 37.4 | 51.1 | 64.8 | 78.8 | 93.3 | 107.6 | 122.1 | 136.4 | 145.4 |
| 92.5° | 24.8 | 35.6 | 46.3 | 57.1 | 67.8 | 79.7 | 92.9 | 106.1 | 119.3 | 132.5 | 140.9 |
| 95° | 60.2 | 63.8 | 67.3 | 70.8 | 74.4 | 82.8 | 96.2 | 109.7 | 123.1 | 136.4 | 145.1 |
| 97.5° | 111.5 | 103.1 | 94.7 | 86.3 | 77.9 | 81.1 | 95.6 | 110.2 | 124.8 | 139.4 | 147.6 |
| 100° | 150.5 | 133.2 | 115.9 | 98.6 | 81.3 | 79.8 | 94.3 | 108.6 | 123.1 | 137.4 | 146.4 |
| 102.5° | 192.8 | 194.4 | 196.0 | 197.6 | 199.1 | 192.6 | 177.8 | 163.1 | 148.4 | 133.7 | 142.9 |
| 105° | 252.1 | 263.4 | 274.7 | 286.0 | 297.3 | 283.5 | 244.6 | 205.7 | 166.8 | 128.0 | 137.1 |
| 107.5° | 320.8 | 329.9 | 339.0 | 348.0 | 357.1 | 337.1 | 287.9 | 238.7 | 189.6 | 140.4 | 145.2 |
| 110° | 364.4 | 372.3 | 380.1 | 388.0 | 395.8 | 378.5 | 336.2 | 293.7 | 251.4 | 208.9 | 197.3 |



TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 406.1 | 412.9 | 419.6 | 426.4 | 433.2 | 434.8 | 431.3 | 427.8 | 424.4 | 420.8 | 361.3 |
| 115° | 471.9 | 477.2 | 482.5 | 487.9 | 493.1 | 502.6 | 516.2 | 529.9 | 543.5 | 557.1 | 479.4 |
| 117.5° | 529.8 | 534.7 | 539.6 | 544.5 | 549.4 | 557.6 | 569.1 | 580.7 | 592.2 | 603.7 | 589.4 |
| 120° | 572.8 | 576.3 | 579.9 | 583.4 | 586.9 | 594.3 | 605.6 | 617.1 | 628.4 | 639.7 | 647.6 |
| 122.5° | 609.3 | 612.5 | 615.6 | 618.8 | 622.1 | 629.2 | 640.3 | 651.5 | 662.6 | 673.8 | 680.6 |
| 125° | 663.9 | 666.3 | 668.6 | 671.0 | 673.3 | 679.5 | 689.4 | 699.3 | 709.2 | 719.1 | 725.9 |
| 127.5° | 714.3 | 716.7 | 719.1 | 721.5 | 723.9 | 729.0 | 736.7 | 744.6 | 752.3 | 760.1 | 767.0 |
| 130° | 746.2 | 748.9 | 751.5 | 754.3 | 757.0 | 761.4 | 767.7 | 773.9 | 780.2 | 786.4 | 793.2 |
| 132.5° | 778.7 | 781.0 | 783.3 | 785.5 | 787.8 | 791.6 | 796.8 | 802.1 | 807.4 | 812.6 | 819.0 |
| 135° | 820.2 | 823.0 | 826.0 | 828.8 | 831.8 | 835.1 | 838.7 | 842.3 | 846.0 | 849.6 | 855.7 |
| 137.5° | 863.0 | 865.0 | 867.0 | 869.0 | 870.9 | 873.3 | 876.1 | 878.8 | 881.5 | 884.3 | 889.7 |
| 140° | 891.1 | 892.2 | 893.5 | 894.7 | 896.0 | 897.9 | 900.3 | 902.7 | 905.0 | 907.4 | 912.3 |
| 142.5° | 914.5 | 915.6 | 916.7 | 917.8 | 918.9 | 920.6 | 923.0 | 925.3 | 927.7 | 930.1 | 934.2 |
| 145° | 950.4 | 950.2 | 950.0 | 949.9 | 949.7 | 951.1 | 954.2 | 957.3 | 960.4 | 963.4 | 965.9 |
| 147.5° | 982.5 | 981.8 | 981.1 | 980.4 | 979.7 | 980.9 | 983.9 | 987.0 | 990.1 | 993.1 | 994.2 |
| 150° | 1003.4 | 1002.1 | 1000.8 | 999.5 | 998.3 | 999.1 | 1002.0 | 1004.9 | 1007.8 | 1010.7 | 1011.7 |
| 152.5° | 1020.9 | 1019.5 | 1018.1 | 1016.7 | 1015.3 | 1015.9 | 1018.7 | 1021.5 | 1024.2 | 1027.0 | 1028.1 |
| 155° | 1046.5 | 1044.9 | 1043.2 | 1041.6 | 1040.0 | 1040.3 | 1042.4 | 1044.6 | 1046.8 | 1048.9 | 1050.0 |
| 157.5° | 1066.5 | 1065.1 | 1063.8 | 1062.4 | 1061.0 | 1061.1 | 1062.7 | 1064.2 | 1065.7 | 1067.2 | 1068.4 |
| 160° | 1078.3 | 1077.2 | 1076.1 | 1075.0 | 1073.9 | 1073.9 | 1075.0 | 1076.1 | 1077.2 | 1078.3 | 1079.3 |
| 162.5° | 1088.7 | 1087.6 | 1086.5 | 1085.4 | 1084.3 | 1084.2 | 1085.2 | 1086.1 | 1087.1 | 1088.1 | 1089.2 |
| 165° | 1102.7 | 1101.6 | 1100.5 | 1099.4 | 1098.3 | 1098.1 | 1098.6 | 1099.1 | 1099.7 | 1100.3 | 1101.5 |
| 167.5° | 1113.1 | 1112.1 | 1111.0 | 1109.8 | 1108.8 | 1108.5 | 1109.0 | 1109.5 | 1110.0 | 1110.5 | 1111.8 |
| 170° | 1119.0 | 1117.8 | 1116.8 | 1115.7 | 1114.6 | 1114.3 | 1114.6 | 1115.0 | 1115.4 | 1115.7 | 1117.0 |
| 172.5° | 1122.8 | 1121.8 | 1120.7 | 1119.6 | 1118.6 | 1118.2 | 1118.6 | 1118.9 | 1119.3 | 1119.6 | 1120.9 |
| 175° | 1127.9 | 1126.7 | 1125.4 | 1124.1 | 1122.8 | 1122.4 | 1122.8 | 1123.1 | 1123.5 | 1123.8 | 1125.2 |
| 177.5° | 1128.7 | 1127.7 | 1126.8 | 1125.7 | 1124.7 | 1124.3 | 1124.4 | 1124.5 | 1124.7 | 1124.8 | 1125.9 |
| 180° | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 |



TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 | 628.1 |
| 2.5° | 626.1 | 626.9 | 627.7 | 627.9 | 627.6 | 627.3 | 627.0 | 626.7 |
| 5° | 624.2 | 625.4 | 626.6 | 627.1 | 626.9 | 626.7 | 626.5 | 626.2 |
| 7.5° | 621.2 | 622.7 | 624.1 | 624.7 | 624.6 | 624.3 | 624.1 | 623.9 |
| 10° | 618.6 | 620.2 | 621.9 | 622.5 | 622.3 | 622.1 | 622.0 | 621.7 |
| 12.5° | 614.2 | 615.8 | 617.5 | 618.1 | 618.0 | 617.8 | 617.6 | 617.3 |
| 15° | 606.3 | 608.1 | 609.9 | 610.7 | 610.6 | 610.3 | 610.1 | 609.9 |
| 17.5° | 596.0 | 598.0 | 599.9 | 600.8 | 600.8 | 600.8 | 600.8 | 600.8 |
| 20° | 588.0 | 590.2 | 592.4 | 593.5 | 593.5 | 593.5 | 593.5 | 593.5 |
| 22.5° | 579.3 | 581.5 | 583.6 | 585.0 | 585.2 | 585.6 | 585.9 | 586.2 |
| 25° | 565.6 | 568.0 | 570.4 | 571.9 | 572.6 | 573.2 | 573.8 | 574.4 |
| 27.5° | 550.5 | 553.6 | 556.7 | 558.4 | 558.8 | 559.3 | 559.7 | 560.2 |
| 30° | 539.9 | 543.1 | 546.4 | 548.3 | 548.9 | 549.6 | 550.1 | 550.7 |
| 32.5° | 528.5 | 532.3 | 535.9 | 538.3 | 539.5 | 540.6 | 541.6 | 542.7 |
| 35° | 512.3 | 516.7 | 521.2 | 524.1 | 525.6 | 527.0 | 528.3 | 529.8 |
| 37.5° | 495.6 | 500.5 | 505.5 | 508.7 | 510.2 | 511.7 | 513.2 | 514.7 |
| 40° | 483.8 | 489.1 | 494.4 | 497.9 | 499.7 | 501.6 | 503.4 | 505.2 |
| 42.5° | 472.4 | 478.2 | 483.9 | 487.8 | 489.5 | 491.4 | 493.2 | 495.0 |
| 45° | 455.0 | 461.2 | 467.5 | 471.6 | 473.7 | 475.7 | 477.7 | 479.7 |
| 47.5° | 436.8 | 443.4 | 449.9 | 454.2 | 456.5 | 458.7 | 460.9 | 463.2 |
| 50° | 424.3 | 431.1 | 438.1 | 442.6 | 444.9 | 447.1 | 449.2 | 451.5 |
| 52.5° | 410.8 | 417.9 | 424.9 | 429.6 | 431.9 | 434.4 | 436.8 | 439.2 |
| 55° | 390.5 | 397.8 | 405.1 | 410.0 | 412.7 | 415.3 | 417.9 | 420.5 |
| 57.5° | 369.1 | 376.9 | 384.8 | 390.0 | 392.7 | 395.4 | 398.1 | 400.7 |
| 60° | 354.9 | 362.6 | 370.3 | 375.6 | 378.4 | 381.2 | 384.1 | 386.9 |
| 62.5° | 339.8 | 348.0 | 356.2 | 361.7 | 364.3 | 366.9 | 369.6 | 372.3 |
| 65° | 317.0 | 325.3 | 333.6 | 339.0 | 341.7 | 344.3 | 347.0 | 349.6 |
| 67.5° | 293.8 | 302.2 | 310.6 | 316.2 | 318.9 | 321.6 | 324.4 | 327.2 |
| 70° | 277.8 | 286.4 | 295.2 | 300.7 | 303.1 | 305.6 | 308.0 | 310.4 |
| 72.5° | 262.2 | 270.6 | 279.2 | 284.9 | 287.8 | 290.8 | 293.6 | 296.6 |
| 75° | 238.6 | 247.3 | 256.0 | 261.6 | 264.3 | 266.9 | 269.6 | 272.2 |
| 77.5° | 215.6 | 224.3 | 232.9 | 238.6 | 241.5 | 244.3 | 247.1 | 249.9 |
| 80° | 199.9 | 208.5 | 217.0 | 222.7 | 225.4 | 228.3 | 231.1 | 234.0 |
| 82.5° | 185.4 | 193.9 | 202.4 | 207.9 | 210.6 | 213.3 | 216.0 | 218.6 |
| 85° | 164.4 | 173.0 | 181.5 | 187.1 | 189.9 | 192.8 | 195.6 | 198.4 |
| 87.5° | 150.5 | 158.9 | 167.4 | 172.9 | 175.6 | 178.3 | 180.9 | 183.5 |
| 90° | 154.4 | 163.5 | 172.5 | 178.3 | 181.1 | 183.9 | 186.7 | 189.5 |
| 92.5° | 149.3 | 157.7 | 166.1 | 171.7 | 174.2 | 176.9 | 179.6 | 182.2 |
| 95° | 153.6 | 162.2 | 170.9 | 176.2 | 178.5 | 180.7 | 183.0 | 185.2 |
| 97.5° | 155.8 | 164.0 | 172.2 | 177.6 | 180.2 | 182.8 | 185.4 | 188.1 |
| 100° | 155.3 | 164.3 | 173.2 | 179.0 | 181.6 | 184.1 | 186.7 | 189.3 |
| 102.5° | 152.0 | 161.3 | 170.5 | 176.5 | 179.1 | 181.9 | 184.7 | 187.3 |
| 105° | 146.1 | 155.2 | 164.3 | 170.2 | 173.2 | 176.1 | 179.1 | 182.1 |
| 107.5° | 149.9 | 154.7 | 159.4 | 163.3 | 166.3 | 169.2 | 172.2 | 175.1 |
| 110° | 185.7 | 174.1 | 162.5 | 158.1 | 161.0 | 164.1 | 167.0 | 170.0 |



TEST NUMBER: P331360-940

CATALOG NUMBER: S122DIP-S675D925U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 301.8 | 242.2 | 182.6 | 154.3 | 157.0 | 159.9 | 162.6 | 165.5 |
| 115° | 401.6 | 324.0 | 246.2 | 202.0 | 191.1 | 180.3 | 169.5 | 158.7 |
| 117.5° | 575.2 | 560.9 | 546.6 | 519.1 | 478.3 | 437.6 | 396.8 | 356.1 |
| 120° | 655.4 | 663.3 | 671.1 | 663.9 | 641.7 | 619.5 | 597.3 | 575.1 |
| 122.5° | 687.4 | 694.2 | 701.1 | 703.0 | 700.2 | 697.3 | 694.5 | 691.6 |
| 125° | 732.5 | 739.3 | 746.0 | 750.6 | 753.0 | 755.3 | 757.7 | 760.0 |
| 127.5° | 773.8 | 780.7 | 787.6 | 791.9 | 793.8 | 795.8 | 797.6 | 799.5 |
| 130° | 800.0 | 806.9 | 813.8 | 817.9 | 819.3 | 820.7 | 822.2 | 823.7 |
| 132.5° | 825.4 | 831.8 | 838.2 | 842.1 | 843.6 | 845.0 | 846.4 | 847.8 |
| 135° | 861.7 | 867.8 | 873.9 | 877.5 | 878.8 | 880.0 | 881.3 | 882.5 |
| 137.5° | 895.3 | 900.8 | 906.2 | 909.4 | 910.2 | 910.9 | 911.7 | 912.4 |
| 140° | 917.1 | 922.0 | 926.8 | 929.5 | 929.8 | 930.1 | 930.4 | 930.7 |
| 142.5° | 938.3 | 942.3 | 946.4 | 948.5 | 948.6 | 948.8 | 949.0 | 949.0 |
| 145° | 968.4 | 970.9 | 973.4 | 974.6 | 974.7 | 974.8 | 975.0 | 975.1 |
| 147.5° | 995.2 | 996.4 | 997.5 | 997.9 | 997.6 | 997.4 | 997.1 | 996.8 |
| 150° | 1012.8 | 1014.0 | 1015.0 | 1015.1 | 1014.2 | 1013.3 | 1012.4 | 1011.5 |
| 152.5° | 1029.1 | 1030.2 | 1031.3 | 1031.3 | 1030.0 | 1028.9 | 1027.7 | 1026.4 |
| 155° | 1051.1 | 1052.2 | 1053.3 | 1053.1 | 1051.7 | 1050.2 | 1048.7 | 1047.3 |
| 157.5° | 1069.6 | 1070.9 | 1072.1 | 1072.0 | 1070.6 | 1069.2 | 1067.7 | 1066.4 |
| 160° | 1080.4 | 1081.6 | 1082.6 | 1082.5 | 1081.2 | 1080.0 | 1078.7 | 1077.5 |
| 162.5° | 1090.5 | 1091.7 | 1093.0 | 1092.8 | 1091.3 | 1089.7 | 1088.2 | 1086.5 |
| 165° | 1102.8 | 1104.0 | 1105.3 | 1105.3 | 1104.0 | 1102.8 | 1101.5 | 1100.3 |
| 167.5° | 1113.0 | 1114.3 | 1115.6 | 1115.4 | 1113.7 | 1112.1 | 1110.5 | 1108.8 |
| 170° | 1118.3 | 1119.5 | 1120.8 | 1120.6 | 1119.0 | 1117.3 | 1115.7 | 1114.1 |
| 172.5° | 1122.1 | 1123.5 | 1124.7 | 1124.5 | 1122.8 | 1121.2 | 1119.6 | 1118.0 |
| 175° | 1126.4 | 1127.7 | 1128.9 | 1128.6 | 1126.9 | 1125.1 | 1123.2 | 1121.4 |
| 177.5° | 1126.9 | 1127.9 | 1128.9 | 1128.7 | 1127.5 | 1126.1 | 1124.8 | 1123.6 |
| 180° | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 | 1125.5 |

(END OF REPORT)