

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: P333226-940

Luminaire Tested: **S125DIP-S850D810U940-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333226-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D810U940-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5816.6 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: General Diffuse

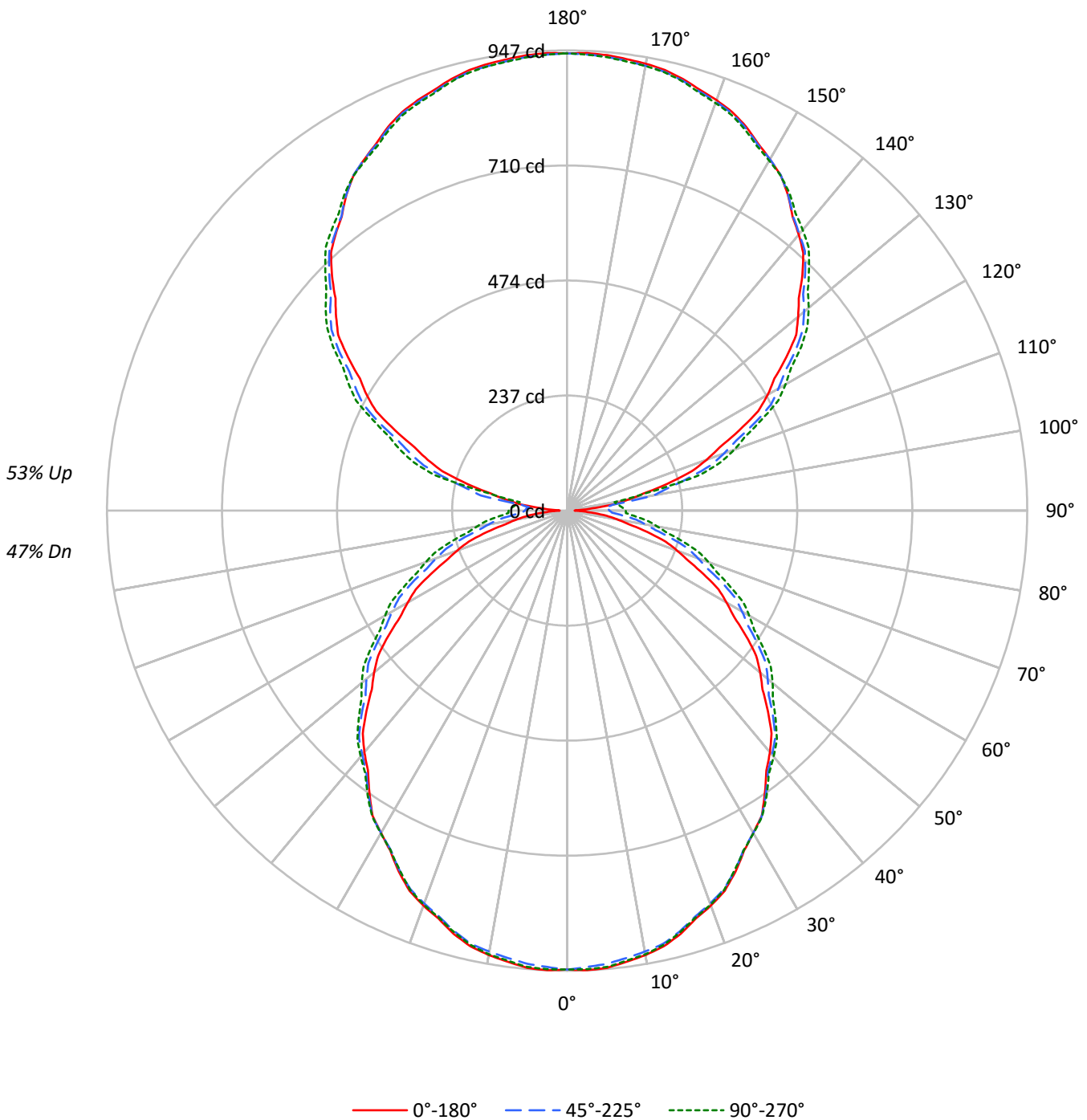
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-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 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 47 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 78 | 71 | 68 | 66 | 58 | 56 | 54 | 46 | 45 | 44 | 38 |
| 2 | 88 | 80 | 73 | 68 | 80 | 73 | 68 | 63 | 61 | 57 | 54 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |
| 3 | 80 | 70 | 62 | 56 | 73 | 64 | 58 | 52 | 54 | 49 | 45 | 44 | 41 | 38 | 35 | 33 | 31 | 26 |
| 4 | 73 | 62 | 54 | 47 | 66 | 57 | 50 | 44 | 48 | 42 | 38 | 39 | 35 | 32 | 32 | 29 | 26 | 22 |
| 5 | 67 | 55 | 47 | 40 | 61 | 51 | 43 | 38 | 43 | 37 | 33 | 35 | 31 | 28 | 28 | 25 | 23 | 19 |
| 6 | 61 | 49 | 41 | 35 | 56 | 45 | 38 | 33 | 38 | 33 | 28 | 32 | 27 | 24 | 26 | 22 | 20 | 17 |
| 7 | 57 | 44 | 36 | 31 | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 29 | 25 | 21 | 23 | 20 | 18 | 15 |
| 8 | 53 | 40 | 32 | 27 | 48 | 37 | 30 | 25 | 32 | 26 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | 13 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |
| 10 | 46 | 34 | 26 | 21 | 42 | 31 | 25 | 20 | 27 | 21 | 18 | 22 | 18 | 15 | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6101 | 6101 | 6101 |
| 5° | 6113 | 5988 | 6007 |
| 10° | 6069 | 5881 | 5872 |
| 15° | 5998 | 5753 | 5701 |
| 20° | 5900 | 5595 | 5529 |
| 25° | 5784 | 5425 | 5318 |
| 30° | 5644 | 5239 | 5126 |
| 35° | 5513 | 5068 | 4951 |
| 40° | 5379 | 4888 | 4773 |
| 45° | 5228 | 4733 | 4617 |
| 50° | 5084 | 4566 | 4479 |
| 55° | 4912 | 4408 | 4315 |
| 60° | 4722 | 4227 | 4149 |
| 65° | 4525 | 4039 | 3961 |
| 70° | 4301 | 3780 | 3769 |
| 75° | 3945 | 3533 | 3533 |
| 80° | 3483 | 3233 | 3276 |
| 85° | 3046 | 3031 | 3195 |



TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.3 | 1.5 |
| 10°-20° | 253.6 | 4.4 |
| 20°-30° | 377.1 | 6.5 |
| 30°-40° | 446.7 | 7.7 |
| 40°-50° | 461.8 | 7.9 |
| 50°-60° | 425.4 | 7.3 |
| 60°-70° | 343.9 | 5.9 |
| 70°-80° | 230.3 | 4.0 |
| 80°-90° | 121.4 | 2.1 |
| 90°-100° | 101.2 | 1.7 |
| 100°-110° | 260.1 | 4.5 |
| 110°-120° | 415.2 | 7.1 |
| 120°-130° | 509.2 | 8.8 |
| 130°-140° | 535.7 | 9.2 |
| 140°-150° | 496.8 | 8.5 |
| 150°-160° | 400.5 | 6.9 |
| 160°-170° | 259.0 | 4.5 |
| 170°-180° | 89.3 | 1.5 |
| 0°-30° | 720.0 | 12.4 |
| 0°-40° | 1166.7 | 20.1 |
| 0°-60° | 2053.9 | 35.3 |
| 0°-90° | 2749.5 | 47.3 |
| 90°-120° | 776.5 | 13.4 |
| 90°-150° | 2318.2 | 39.9 |
| 90°-180° | 3067.0 | 52.7 |
| 0°-180° | 5816.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 945 | 945 | 945 | 945 | 945 | |
| 5° | 945 | 942 | 936 | 943 | 943 | 90 |
| 15° | 902 | 903 | 896 | 902 | 898 | 254 |
| 25° | 820 | 822 | 817 | 820 | 816 | 377 |
| 35° | 709 | 715 | 713 | 716 | 716 | 444 |
| 45° | 584 | 594 | 599 | 605 | 607 | 451 |
| 55° | 449 | 464 | 479 | 489 | 493 | 401 |
| 65° | 309 | 331 | 353 | 366 | 370 | 307 |
| 75° | 170 | 195 | 224 | 242 | 247 | 181 |
| 85° | 51 | 82 | 114 | 134 | 142 | 54 |
| 90° | 16 | 51 | 87 | 111 | 120 | 12 |
| 95° | 52 | 73 | 79 | 102 | 109 | 60 |
| 105° | 213 | 232 | 259 | 277 | 283 | 226 |
| 115° | 390 | 401 | 425 | 438 | 440 | 387 |
| 125° | 551 | 556 | 574 | 585 | 588 | 492 |
| 135° | 685 | 688 | 693 | 703 | 704 | 528 |
| 145° | 792 | 793 | 793 | 798 | 798 | 495 |
| 155° | 872 | 868 | 869 | 871 | 865 | 401 |
| 165° | 920 | 916 | 916 | 920 | 915 | 260 |
| 175° | 941 | 937 | 937 | 942 | 937 | 90 |
| 180° | 941 | 941 | 941 | 941 | 941 | |



TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 |
| 2.5° | 946.8 | 946.6 | 946.2 | 945.8 | 945.5 | 944.8 | 943.6 | 942.4 | 941.3 | 940.1 | 941.3 |
| 5° | 944.6 | 944.2 | 943.8 | 943.3 | 943.0 | 942.0 | 940.6 | 939.1 | 937.7 | 936.3 | 937.9 |
| 7.5° | 936.3 | 936.1 | 935.9 | 935.8 | 935.6 | 934.8 | 933.4 | 931.8 | 930.3 | 928.9 | 930.3 |
| 10° | 928.9 | 928.9 | 928.9 | 928.9 | 928.9 | 928.1 | 926.4 | 924.8 | 923.1 | 921.5 | 922.9 |
| 12.5° | 918.5 | 918.6 | 918.8 | 919.0 | 919.2 | 918.6 | 917.3 | 916.0 | 914.6 | 913.3 | 914.4 |
| 15° | 902.1 | 902.2 | 902.4 | 902.6 | 902.9 | 902.2 | 900.8 | 899.4 | 897.9 | 896.4 | 897.7 |
| 17.5° | 880.6 | 880.9 | 881.4 | 881.7 | 882.2 | 881.6 | 880.2 | 878.8 | 877.4 | 875.9 | 876.8 |
| 20° | 865.0 | 865.4 | 865.8 | 866.2 | 866.7 | 866.1 | 864.7 | 863.3 | 861.7 | 860.3 | 860.9 |
| 22.5° | 847.2 | 847.9 | 848.6 | 849.4 | 850.2 | 849.7 | 848.1 | 846.5 | 844.9 | 843.3 | 844.1 |
| 25° | 819.6 | 820.2 | 820.8 | 821.4 | 822.1 | 821.7 | 820.6 | 819.3 | 818.1 | 816.8 | 817.6 |
| 27.5° | 788.8 | 789.8 | 790.7 | 791.6 | 792.5 | 792.2 | 790.9 | 789.4 | 788.0 | 786.7 | 787.2 |
| 30° | 765.9 | 767.1 | 768.4 | 769.5 | 770.8 | 770.8 | 769.5 | 768.4 | 767.1 | 765.9 | 766.3 |
| 32.5° | 745.1 | 746.2 | 747.3 | 748.3 | 749.4 | 749.5 | 748.6 | 747.7 | 746.8 | 745.9 | 746.3 |
| 35° | 709.4 | 710.9 | 712.3 | 713.7 | 715.2 | 715.6 | 715.0 | 714.3 | 713.7 | 713.1 | 713.7 |
| 37.5° | 673.6 | 674.9 | 676.3 | 677.6 | 678.9 | 679.5 | 679.2 | 679.0 | 678.9 | 678.7 | 679.5 |
| 40° | 649.2 | 650.9 | 652.5 | 654.2 | 655.8 | 656.5 | 656.3 | 656.1 | 655.9 | 655.7 | 656.5 |
| 42.5° | 622.5 | 624.6 | 626.8 | 628.9 | 631.1 | 632.4 | 632.8 | 633.3 | 633.7 | 634.2 | 635.2 |
| 45° | 584.3 | 586.7 | 588.9 | 591.1 | 593.4 | 595.0 | 596.1 | 597.1 | 598.2 | 599.1 | 600.7 |
| 47.5° | 545.3 | 547.4 | 549.5 | 551.6 | 553.7 | 555.6 | 557.4 | 559.2 | 560.9 | 562.7 | 564.8 |
| 50° | 518.6 | 520.8 | 523.2 | 525.4 | 527.6 | 529.9 | 532.2 | 534.5 | 536.7 | 539.0 | 541.3 |
| 52.5° | 490.4 | 493.2 | 496.0 | 498.7 | 501.5 | 504.3 | 507.0 | 509.8 | 512.6 | 515.3 | 517.7 |
| 55° | 449.2 | 452.5 | 455.8 | 459.1 | 462.4 | 465.7 | 469.0 | 472.3 | 475.5 | 478.8 | 481.1 |
| 57.5° | 406.9 | 410.9 | 414.8 | 418.7 | 422.8 | 426.6 | 430.4 | 434.2 | 437.9 | 441.8 | 444.3 |
| 60° | 378.8 | 382.9 | 387.0 | 391.1 | 395.2 | 399.4 | 403.5 | 407.6 | 411.7 | 415.8 | 418.9 |
| 62.5° | 351.3 | 355.4 | 359.6 | 363.7 | 367.8 | 372.1 | 376.6 | 381.0 | 385.4 | 389.9 | 393.3 |
| 65° | 309.3 | 314.1 | 318.8 | 323.5 | 328.2 | 333.1 | 338.0 | 343.0 | 347.9 | 352.8 | 356.0 |
| 67.5° | 269.7 | 274.3 | 278.8 | 283.4 | 287.9 | 292.7 | 297.7 | 302.8 | 307.8 | 312.8 | 316.6 |
| 70° | 240.8 | 245.5 | 250.2 | 255.0 | 259.8 | 264.7 | 270.1 | 275.4 | 280.8 | 286.1 | 290.1 |
| 72.5° | 212.7 | 217.5 | 222.4 | 227.3 | 232.2 | 237.6 | 243.4 | 249.3 | 255.1 | 261.0 | 265.2 |
| 75° | 170.4 | 175.8 | 181.1 | 186.5 | 191.8 | 197.8 | 204.4 | 211.0 | 217.5 | 224.1 | 228.2 |
| 77.5° | 129.8 | 136.0 | 142.2 | 148.4 | 154.5 | 160.8 | 167.1 | 173.4 | 179.8 | 186.2 | 190.6 |
| 80° | 104.7 | 110.8 | 117.0 | 123.1 | 129.4 | 135.9 | 142.9 | 149.9 | 156.9 | 163.9 | 168.4 |
| 82.5° | 81.7 | 88.2 | 94.7 | 101.2 | 107.7 | 114.5 | 121.7 | 128.9 | 136.0 | 143.2 | 147.6 |
| 85° | 50.9 | 57.7 | 64.6 | 71.3 | 78.1 | 85.1 | 92.3 | 99.5 | 106.7 | 113.9 | 118.4 |
| 87.5° | 29.1 | 35.8 | 42.7 | 49.5 | 56.4 | 63.4 | 70.6 | 77.8 | 85.1 | 92.3 | 97.1 |
| 90° | 15.5 | 23.4 | 31.2 | 39.0 | 46.8 | 54.8 | 62.9 | 70.9 | 79.0 | 87.1 | 92.6 |
| 92.5° | 24.1 | 29.3 | 34.5 | 39.8 | 44.9 | 51.6 | 59.7 | 67.9 | 76.0 | 84.2 | 89.4 |
| 95° | 51.8 | 56.7 | 61.5 | 66.4 | 71.3 | 74.4 | 75.4 | 76.5 | 77.7 | 78.7 | 84.1 |
| 97.5° | 93.9 | 99.6 | 105.2 | 110.8 | 116.5 | 116.9 | 112.0 | 107.1 | 102.2 | 97.3 | 97.2 |
| 100° | 126.6 | 131.4 | 136.3 | 141.0 | 145.8 | 151.8 | 159.0 | 166.2 | 173.4 | 180.6 | 161.8 |
| 102.5° | 160.0 | 164.5 | 169.1 | 173.7 | 178.3 | 184.0 | 190.7 | 197.5 | 204.3 | 211.2 | 210.9 |
| 105° | 213.4 | 217.3 | 221.1 | 225.1 | 229.0 | 234.1 | 240.2 | 246.4 | 252.5 | 258.8 | 262.9 |
| 107.5° | 268.9 | 271.7 | 274.5 | 277.2 | 280.1 | 284.5 | 290.8 | 297.0 | 303.3 | 309.5 | 313.6 |
| 110° | 305.0 | 307.5 | 309.9 | 312.4 | 314.9 | 319.1 | 325.2 | 331.3 | 337.3 | 343.4 | 346.9 |



TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 339.6 | 341.9 | 344.2 | 346.6 | 348.9 | 353.0 | 358.8 | 364.5 | 370.3 | 376.1 | 379.2 |
| 115° | 390.5 | 392.7 | 394.9 | 397.2 | 399.4 | 403.2 | 408.8 | 414.2 | 419.7 | 425.3 | 428.3 |
| 117.5° | 443.3 | 444.2 | 445.1 | 446.0 | 446.9 | 450.2 | 455.8 | 461.5 | 467.2 | 472.8 | 475.5 |
| 120° | 476.7 | 477.2 | 477.7 | 478.1 | 478.6 | 481.4 | 486.6 | 491.8 | 497.0 | 502.2 | 505.4 |
| 122.5° | 505.6 | 506.4 | 507.3 | 508.2 | 509.1 | 511.9 | 516.7 | 521.5 | 526.3 | 531.0 | 534.0 |
| 125° | 551.2 | 552.0 | 552.9 | 553.8 | 554.6 | 557.1 | 561.2 | 565.3 | 569.5 | 573.6 | 576.3 |
| 127.5° | 593.9 | 594.4 | 595.0 | 595.6 | 596.1 | 598.1 | 601.4 | 604.7 | 607.9 | 611.2 | 613.9 |
| 130° | 620.6 | 621.2 | 621.8 | 622.3 | 622.9 | 624.7 | 627.8 | 630.8 | 633.8 | 636.9 | 639.3 |
| 132.5° | 646.7 | 647.6 | 648.4 | 649.3 | 650.1 | 651.5 | 653.4 | 655.2 | 657.1 | 659.0 | 661.8 |
| 135° | 684.6 | 685.3 | 686.0 | 686.7 | 687.4 | 688.4 | 689.6 | 690.6 | 691.8 | 692.9 | 695.3 |
| 137.5° | 719.4 | 720.1 | 720.7 | 721.3 | 721.9 | 722.5 | 722.9 | 723.4 | 723.7 | 724.2 | 726.7 |
| 140° | 741.5 | 741.8 | 742.2 | 742.4 | 742.8 | 743.0 | 743.0 | 743.1 | 743.1 | 743.2 | 745.7 |
| 142.5° | 762.1 | 762.1 | 762.2 | 762.2 | 762.2 | 762.4 | 762.7 | 762.9 | 763.1 | 763.4 | 765.4 |
| 145° | 792.5 | 792.6 | 792.6 | 792.7 | 792.8 | 792.9 | 792.9 | 792.9 | 792.9 | 792.9 | 794.1 |
| 147.5° | 818.0 | 818.0 | 817.9 | 817.8 | 817.8 | 817.8 | 818.0 | 818.1 | 818.4 | 818.6 | 819.0 |
| 150° | 834.7 | 834.5 | 834.1 | 833.8 | 833.5 | 833.5 | 833.8 | 834.1 | 834.5 | 834.7 | 835.1 |
| 152.5° | 851.0 | 850.2 | 849.5 | 848.9 | 848.2 | 848.0 | 848.3 | 848.6 | 848.9 | 849.3 | 849.5 |
| 155° | 871.7 | 870.8 | 869.9 | 868.9 | 868.0 | 867.6 | 868.0 | 868.3 | 868.6 | 868.9 | 869.3 |
| 157.5° | 887.7 | 887.2 | 886.6 | 886.1 | 885.5 | 885.2 | 885.3 | 885.3 | 885.3 | 885.4 | 885.8 |
| 160° | 898.9 | 898.0 | 897.1 | 896.1 | 895.2 | 894.8 | 894.9 | 895.1 | 895.3 | 895.4 | 896.0 |
| 162.5° | 907.9 | 906.9 | 906.0 | 905.0 | 904.1 | 903.7 | 903.8 | 904.0 | 904.2 | 904.4 | 905.2 |
| 165° | 919.8 | 918.9 | 917.9 | 917.0 | 916.1 | 915.7 | 915.9 | 916.1 | 916.1 | 916.3 | 917.3 |
| 167.5° | 928.7 | 927.8 | 926.8 | 925.9 | 924.9 | 924.5 | 924.6 | 924.8 | 925.0 | 925.1 | 926.2 |
| 170° | 933.8 | 932.6 | 931.6 | 930.5 | 929.4 | 929.0 | 929.1 | 929.3 | 929.4 | 929.6 | 930.9 |
| 172.5° | 937.1 | 936.0 | 935.0 | 933.9 | 932.7 | 932.4 | 932.6 | 932.9 | 933.2 | 933.4 | 934.6 |
| 175° | 940.8 | 939.8 | 938.9 | 938.0 | 937.0 | 936.7 | 936.7 | 936.9 | 937.1 | 937.3 | 938.5 |
| 177.5° | 942.4 | 941.6 | 940.9 | 940.2 | 939.4 | 939.1 | 939.2 | 939.3 | 939.5 | 939.6 | 940.5 |
| 180° | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 |



TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 |
| 2.5° | 942.4 | 943.6 | 944.8 | 945.3 | 945.1 | 944.9 | 944.8 | 944.6 |
| 5° | 939.6 | 941.2 | 942.9 | 943.6 | 943.3 | 943.2 | 943.0 | 942.8 |
| 7.5° | 931.7 | 933.2 | 934.6 | 935.2 | 935.0 | 934.9 | 934.6 | 934.4 |
| 10° | 924.3 | 925.8 | 927.2 | 927.8 | 927.6 | 927.5 | 927.2 | 927.0 |
| 12.5° | 915.5 | 916.7 | 917.7 | 918.0 | 917.5 | 916.9 | 916.4 | 915.9 |
| 15° | 898.9 | 900.2 | 901.4 | 901.6 | 900.8 | 899.9 | 899.1 | 898.3 |
| 17.5° | 877.8 | 878.8 | 879.7 | 879.9 | 879.4 | 879.0 | 878.4 | 878.0 |
| 20° | 861.6 | 862.2 | 862.8 | 863.1 | 863.1 | 863.1 | 863.1 | 863.1 |
| 22.5° | 844.9 | 845.6 | 846.4 | 846.6 | 846.1 | 845.6 | 845.1 | 844.6 |
| 25° | 818.5 | 819.3 | 820.1 | 820.0 | 818.9 | 818.0 | 816.9 | 815.9 |
| 27.5° | 787.7 | 788.4 | 788.9 | 789.1 | 788.6 | 788.3 | 787.9 | 787.6 |
| 30° | 766.7 | 767.1 | 767.5 | 767.7 | 767.4 | 767.2 | 767.0 | 766.8 |
| 32.5° | 746.7 | 747.1 | 747.5 | 747.6 | 747.4 | 747.3 | 747.0 | 746.8 |
| 35° | 714.3 | 715.0 | 715.6 | 715.9 | 715.9 | 715.9 | 715.9 | 715.9 |
| 37.5° | 680.3 | 681.1 | 681.9 | 682.3 | 682.2 | 682.2 | 682.1 | 682.0 |
| 40° | 657.3 | 658.2 | 659.0 | 659.6 | 660.0 | 660.4 | 660.8 | 661.2 |
| 42.5° | 636.1 | 637.1 | 638.1 | 638.6 | 638.7 | 638.8 | 638.9 | 639.0 |
| 45° | 602.1 | 603.5 | 604.9 | 605.7 | 606.0 | 606.2 | 606.4 | 606.6 |
| 47.5° | 566.9 | 569.0 | 571.1 | 572.4 | 572.8 | 573.3 | 573.7 | 574.2 |
| 50° | 543.5 | 545.8 | 548.0 | 549.5 | 550.1 | 550.7 | 551.3 | 552.0 |
| 52.5° | 520.1 | 522.5 | 525.0 | 526.5 | 526.9 | 527.4 | 527.8 | 528.2 |
| 55° | 483.3 | 485.6 | 487.9 | 489.4 | 490.2 | 491.1 | 491.9 | 492.7 |
| 57.5° | 446.9 | 449.5 | 452.1 | 453.7 | 454.3 | 455.0 | 455.6 | 456.2 |
| 60° | 422.0 | 425.1 | 428.2 | 430.0 | 430.6 | 431.2 | 431.9 | 432.5 |
| 62.5° | 396.7 | 400.1 | 403.6 | 405.6 | 406.4 | 407.2 | 408.0 | 408.8 |
| 65° | 359.0 | 362.1 | 365.2 | 367.1 | 368.0 | 368.8 | 369.6 | 370.4 |
| 67.5° | 320.3 | 324.0 | 327.8 | 330.2 | 331.3 | 332.3 | 333.4 | 334.5 |
| 70° | 294.0 | 297.9 | 301.8 | 304.3 | 305.6 | 306.8 | 308.1 | 309.3 |
| 72.5° | 269.5 | 273.7 | 277.9 | 280.5 | 281.4 | 282.3 | 283.2 | 284.1 |
| 75° | 232.4 | 236.5 | 240.6 | 243.2 | 244.2 | 245.2 | 246.2 | 247.3 |
| 77.5° | 195.2 | 199.7 | 204.3 | 207.0 | 207.8 | 208.6 | 209.4 | 210.3 |
| 80° | 173.0 | 177.5 | 182.0 | 184.7 | 185.6 | 186.4 | 187.2 | 188.0 |
| 82.5° | 151.9 | 156.2 | 160.6 | 163.5 | 165.1 | 166.5 | 168.0 | 169.5 |
| 85° | 123.0 | 127.5 | 132.1 | 135.1 | 136.8 | 138.4 | 140.1 | 141.7 |
| 87.5° | 102.0 | 106.9 | 111.8 | 115.0 | 116.5 | 118.1 | 119.6 | 121.2 |
| 90° | 98.1 | 103.6 | 109.1 | 112.8 | 114.8 | 116.6 | 118.6 | 120.5 |
| 92.5° | 94.8 | 100.1 | 105.5 | 109.0 | 110.7 | 112.4 | 114.0 | 115.7 |
| 95° | 89.3 | 94.7 | 100.0 | 103.3 | 104.8 | 106.2 | 107.6 | 109.1 |
| 97.5° | 97.2 | 97.1 | 97.1 | 97.7 | 99.2 | 100.6 | 101.9 | 103.3 |
| 100° | 143.0 | 124.3 | 105.6 | 96.5 | 97.1 | 97.7 | 98.3 | 98.9 |
| 102.5° | 210.7 | 210.4 | 210.3 | 205.5 | 196.2 | 186.9 | 177.6 | 168.3 |
| 105° | 267.0 | 271.1 | 275.2 | 277.9 | 279.2 | 280.4 | 281.8 | 283.0 |
| 107.5° | 317.7 | 321.8 | 325.9 | 328.4 | 329.2 | 330.0 | 330.8 | 331.6 |
| 110° | 350.3 | 353.7 | 357.1 | 359.7 | 361.3 | 362.9 | 364.4 | 366.0 |



TEST NUMBER: P333226-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 382.5 | 385.6 | 388.8 | 390.9 | 392.2 | 393.4 | 394.6 | 395.8 |
| 115° | 431.4 | 434.5 | 437.6 | 439.3 | 439.6 | 439.9 | 440.1 | 440.5 |
| 117.5° | 478.2 | 480.9 | 483.6 | 485.4 | 486.4 | 487.4 | 488.4 | 489.5 |
| 120° | 508.6 | 511.8 | 515.0 | 516.8 | 517.3 | 517.7 | 518.2 | 518.6 |
| 122.5° | 537.1 | 540.1 | 543.1 | 544.8 | 545.2 | 545.5 | 545.8 | 546.2 |
| 125° | 579.0 | 581.7 | 584.3 | 585.9 | 586.5 | 587.0 | 587.6 | 588.2 |
| 127.5° | 616.6 | 619.3 | 622.0 | 623.4 | 623.4 | 623.5 | 623.5 | 623.6 |
| 130° | 641.7 | 644.1 | 646.5 | 647.8 | 648.1 | 648.4 | 648.6 | 648.9 |
| 132.5° | 664.6 | 667.4 | 670.1 | 671.6 | 671.7 | 671.8 | 671.9 | 672.0 |
| 135° | 697.7 | 700.0 | 702.4 | 703.6 | 703.7 | 703.8 | 703.9 | 704.0 |
| 137.5° | 729.2 | 731.6 | 734.1 | 735.4 | 735.4 | 735.4 | 735.4 | 735.5 |
| 140° | 748.3 | 750.8 | 753.4 | 754.7 | 754.6 | 754.5 | 754.4 | 754.2 |
| 142.5° | 767.4 | 769.4 | 771.4 | 772.3 | 772.2 | 772.1 | 772.0 | 772.0 |
| 145° | 795.2 | 796.5 | 797.6 | 798.2 | 798.1 | 798.0 | 797.8 | 797.7 |
| 147.5° | 819.6 | 820.1 | 820.6 | 820.5 | 819.7 | 819.0 | 818.2 | 817.5 |
| 150° | 835.4 | 835.7 | 836.0 | 835.6 | 834.6 | 833.6 | 832.5 | 831.5 |
| 152.5° | 849.9 | 850.2 | 850.5 | 850.1 | 849.0 | 847.9 | 846.9 | 845.8 |
| 155° | 869.9 | 870.3 | 870.8 | 870.4 | 869.2 | 867.9 | 866.7 | 865.4 |
| 157.5° | 886.4 | 886.9 | 887.3 | 887.0 | 885.7 | 884.5 | 883.2 | 882.0 |
| 160° | 896.6 | 897.2 | 897.9 | 897.6 | 896.3 | 895.1 | 893.9 | 892.6 |
| 162.5° | 906.1 | 907.0 | 907.8 | 907.6 | 906.2 | 904.8 | 903.5 | 902.1 |
| 165° | 918.2 | 919.1 | 920.1 | 919.9 | 918.6 | 917.4 | 916.1 | 914.9 |
| 167.5° | 927.4 | 928.4 | 929.6 | 929.4 | 928.0 | 926.7 | 925.2 | 923.9 |
| 170° | 932.0 | 933.3 | 934.5 | 934.4 | 933.1 | 931.7 | 930.2 | 928.9 |
| 172.5° | 935.7 | 936.8 | 938.0 | 937.8 | 936.4 | 935.0 | 933.6 | 932.2 |
| 175° | 939.7 | 940.9 | 942.2 | 942.1 | 940.8 | 939.3 | 938.0 | 936.6 |
| 177.5° | 941.4 | 942.2 | 943.1 | 943.1 | 942.0 | 941.0 | 940.0 | 939.1 |
| 180° | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 | 940.8 |

(END OF REPORT)