

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: P333227-940

Luminaire Tested: **S125DIP-S850D810U940-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333227-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
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-D1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5428.0 lumens
Efficiency: N/A
Efficacy: 118.3 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

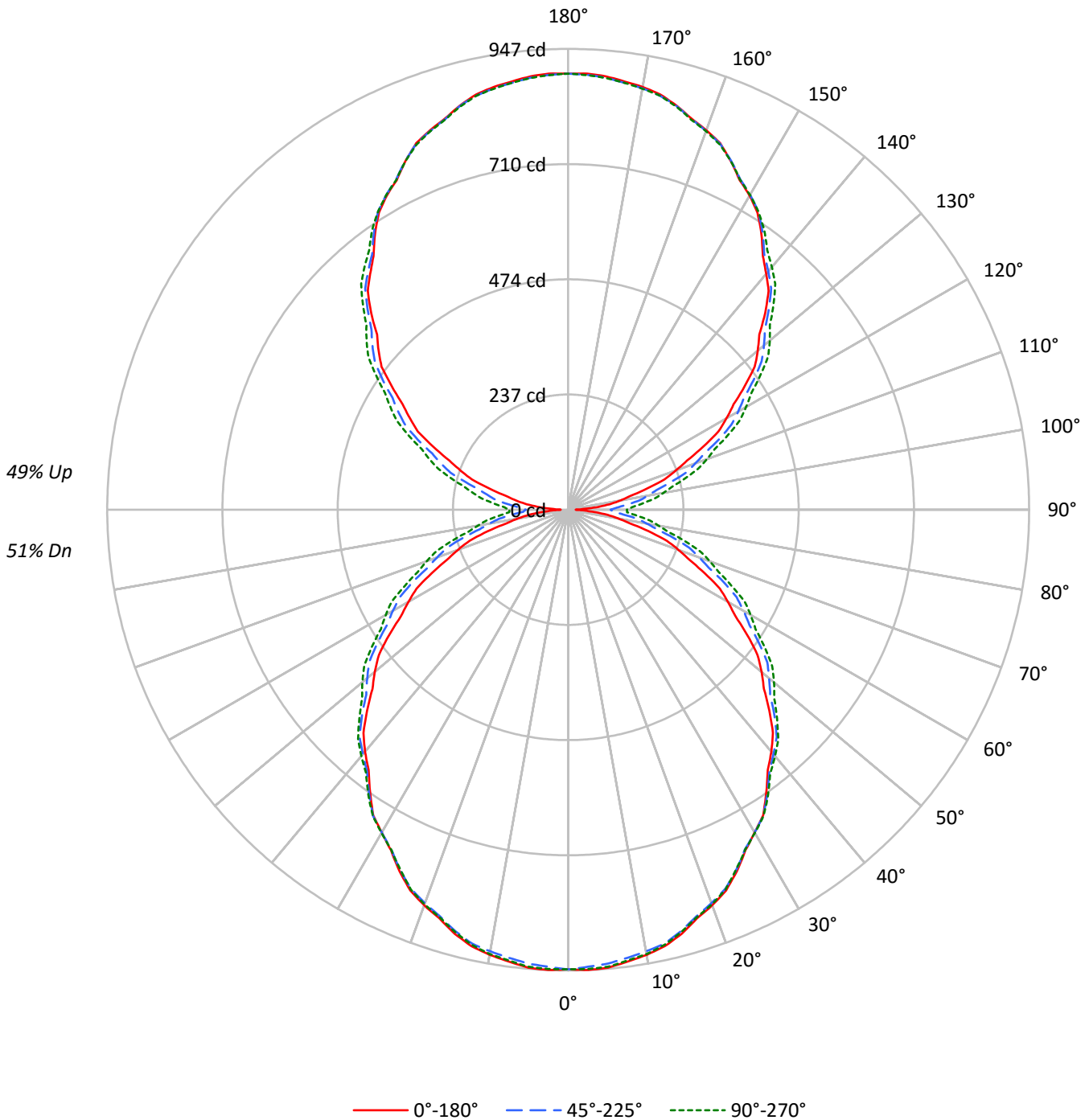
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 |
| 1 | 97 | 93 | 88 | 85 | 89 | 85 | 82 | 79 | 72 | 70 | 67 | 60 | 58 | 56 | 49 | 48 | 46 | 41 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 69 | 64 | 63 | 59 | 55 | 52 | 49 | 47 | 43 | 40 | 38 | 34 |
| 3 | 80 | 70 | 63 | 57 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 38 | 35 | 32 | 28 |
| 4 | 73 | 62 | 54 | 48 | 67 | 58 | 50 | 45 | 49 | 43 | 39 | 41 | 37 | 33 | 33 | 30 | 28 | 24 |
| 5 | 67 | 55 | 47 | 41 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 37 | 32 | 29 | 30 | 27 | 24 | 21 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 39 | 33 | 39 | 33 | 29 | 33 | 28 | 25 | 27 | 24 | 21 | 18 |
| 7 | 57 | 45 | 36 | 31 | 53 | 42 | 34 | 29 | 36 | 30 | 26 | 30 | 25 | 22 | 25 | 21 | 19 | 16 |
| 8 | 53 | 40 | 33 | 27 | 49 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 23 | 20 | 23 | 19 | 17 | 14 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 28 | 23 | 30 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 13 |
| 10 | 46 | 34 | 27 | 22 | 43 | 32 | 25 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

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: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.3 | 1.6 |
| 10°-20° | 253.6 | 4.7 |
| 20°-30° | 377.1 | 6.9 |
| 30°-40° | 446.7 | 8.2 |
| 40°-50° | 461.8 | 8.5 |
| 50°-60° | 425.4 | 7.8 |
| 60°-70° | 343.9 | 6.3 |
| 70°-80° | 230.3 | 4.2 |
| 80°-90° | 121.4 | 2.2 |
| 90°-100° | 127.0 | 2.3 |
| 100°-110° | 226.6 | 4.2 |
| 110°-120° | 333.3 | 6.1 |
| 120°-130° | 413.8 | 7.6 |
| 130°-140° | 450.9 | 8.3 |
| 140°-150° | 435.5 | 8.0 |
| 150°-160° | 364.4 | 6.7 |
| 160°-170° | 242.2 | 4.5 |
| 170°-180° | 84.8 | 1.6 |
| 0°-30° | 720.0 | 13.3 |
| 0°-40° | 1166.7 | 21.5 |
| 0°-60° | 2053.9 | 37.8 |
| 0°-90° | 2749.5 | 50.7 |
| 90°-120° | 686.9 | 12.7 |
| 90°-150° | 1987.1 | 36.6 |
| 90°-180° | 2678.0 | 49.3 |
| 0°-180° | 5428.0 | 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° | 57 | 84 | 121 | 146 | 154 | 58 |
| 105° | 167 | 186 | 218 | 239 | 249 | 179 |
| 115° | 306 | 316 | 341 | 356 | 362 | 303 |
| 125° | 442 | 446 | 465 | 478 | 482 | 396 |
| 135° | 572 | 576 | 583 | 594 | 597 | 441 |
| 145° | 692 | 694 | 696 | 700 | 702 | 432 |
| 155° | 791 | 791 | 791 | 794 | 791 | 364 |
| 165° | 860 | 858 | 859 | 861 | 858 | 242 |
| 175° | 894 | 891 | 891 | 895 | 890 | 85 |
| 180° | 896 | 896 | 896 | 896 | 896 | |



TEST NUMBER: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D1

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 | 31.1 | 39.0 | 46.8 | 54.8 | 62.9 | 70.9 | 79.0 | 87.1 | 92.6 |
| 92.5° | 30.2 | 37.2 | 44.1 | 51.1 | 58.1 | 65.8 | 74.3 | 82.8 | 91.2 | 99.8 | 105.3 |
| 95° | 57.3 | 63.0 | 68.7 | 74.4 | 80.0 | 87.1 | 95.7 | 104.2 | 112.7 | 121.3 | 126.9 |
| 97.5° | 86.2 | 91.1 | 96.1 | 101.0 | 106.0 | 112.9 | 121.8 | 130.7 | 139.6 | 148.5 | 153.8 |
| 100° | 107.8 | 112.1 | 116.5 | 120.7 | 125.1 | 131.5 | 140.2 | 148.7 | 157.4 | 165.9 | 171.7 |
| 102.5° | 131.1 | 135.6 | 140.3 | 144.9 | 149.5 | 155.5 | 163.0 | 170.4 | 177.9 | 185.3 | 191.0 |
| 105° | 167.3 | 171.4 | 175.5 | 179.5 | 183.6 | 189.1 | 196.3 | 203.4 | 210.4 | 217.6 | 222.7 |
| 107.5° | 207.5 | 211.1 | 214.6 | 218.2 | 221.8 | 226.9 | 233.5 | 240.1 | 246.8 | 253.4 | 258.0 |
| 110° | 235.2 | 238.4 | 241.7 | 245.0 | 248.2 | 252.9 | 259.1 | 265.4 | 271.6 | 277.8 | 282.2 |



TEST NUMBER: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 264.2 | 266.5 | 268.9 | 271.3 | 273.7 | 278.0 | 284.2 | 290.3 | 296.6 | 302.7 | 306.7 |
| 115° | 306.1 | 308.2 | 310.2 | 312.3 | 314.3 | 318.2 | 323.9 | 329.5 | 335.2 | 340.8 | 344.4 |
| 117.5° | 348.1 | 349.4 | 350.5 | 351.8 | 353.0 | 356.3 | 361.7 | 366.9 | 372.3 | 377.6 | 381.3 |
| 120° | 374.9 | 376.3 | 377.6 | 379.1 | 380.5 | 383.6 | 388.5 | 393.3 | 398.2 | 403.1 | 406.6 |
| 122.5° | 403.1 | 403.7 | 404.3 | 404.8 | 405.5 | 408.2 | 413.1 | 418.1 | 423.1 | 428.1 | 431.3 |
| 125° | 442.3 | 443.0 | 443.7 | 444.4 | 445.2 | 447.7 | 451.9 | 456.2 | 460.5 | 464.8 | 467.8 |
| 127.5° | 483.2 | 483.5 | 483.8 | 484.2 | 484.5 | 486.4 | 490.0 | 493.6 | 497.1 | 500.7 | 503.5 |
| 130° | 508.3 | 508.9 | 509.4 | 510.0 | 510.6 | 512.5 | 515.7 | 518.9 | 522.0 | 525.2 | 528.0 |
| 132.5° | 532.7 | 533.9 | 535.1 | 536.4 | 537.6 | 539.3 | 541.4 | 543.6 | 545.7 | 548.0 | 550.6 |
| 135° | 572.2 | 572.9 | 573.6 | 574.4 | 575.2 | 576.3 | 577.9 | 579.4 | 581.0 | 582.6 | 585.3 |
| 137.5° | 609.4 | 610.1 | 610.9 | 611.6 | 612.3 | 613.2 | 614.3 | 615.3 | 616.4 | 617.4 | 620.0 |
| 140° | 632.7 | 633.5 | 634.2 | 635.0 | 635.8 | 636.5 | 637.1 | 637.8 | 638.5 | 639.2 | 641.8 |
| 142.5° | 656.7 | 657.1 | 657.6 | 658.1 | 658.6 | 659.2 | 659.8 | 660.4 | 661.0 | 661.6 | 663.8 |
| 145° | 692.0 | 692.3 | 692.8 | 693.1 | 693.6 | 694.0 | 694.5 | 694.9 | 695.4 | 695.9 | 696.9 |
| 147.5° | 723.6 | 724.0 | 724.3 | 724.7 | 725.0 | 725.3 | 725.8 | 726.1 | 726.5 | 726.8 | 727.5 |
| 150° | 745.4 | 745.2 | 745.1 | 744.9 | 744.8 | 745.0 | 745.6 | 746.3 | 746.9 | 747.5 | 747.5 |
| 152.5° | 763.2 | 763.5 | 763.7 | 763.9 | 764.1 | 764.4 | 764.6 | 764.8 | 765.1 | 765.4 | 765.7 |
| 155° | 790.7 | 790.7 | 790.7 | 790.7 | 790.7 | 790.8 | 790.9 | 791.1 | 791.2 | 791.4 | 792.0 |
| 157.5° | 815.3 | 814.9 | 814.6 | 814.2 | 813.9 | 813.8 | 814.0 | 814.1 | 814.2 | 814.4 | 815.0 |
| 160° | 829.7 | 829.3 | 828.8 | 828.4 | 827.9 | 827.8 | 827.9 | 828.0 | 828.2 | 828.4 | 829.0 |
| 162.5° | 842.6 | 842.2 | 841.9 | 841.6 | 841.2 | 841.1 | 841.1 | 841.2 | 841.2 | 841.2 | 842.0 |
| 165° | 859.8 | 859.4 | 859.2 | 858.8 | 858.5 | 858.4 | 858.5 | 858.7 | 858.9 | 859.1 | 859.7 |
| 167.5° | 874.2 | 873.6 | 873.0 | 872.4 | 871.7 | 871.5 | 871.5 | 871.5 | 871.5 | 871.5 | 872.4 |
| 170° | 882.1 | 881.5 | 880.8 | 880.2 | 879.6 | 879.2 | 879.2 | 879.2 | 879.2 | 879.2 | 880.2 |
| 172.5° | 887.6 | 887.0 | 886.4 | 885.7 | 885.1 | 884.8 | 884.8 | 884.8 | 884.8 | 884.8 | 885.7 |
| 175° | 893.9 | 893.3 | 892.7 | 892.1 | 891.4 | 891.1 | 891.1 | 891.1 | 891.1 | 891.1 | 892.1 |
| 177.5° | 897.2 | 896.6 | 896.2 | 895.6 | 895.1 | 894.8 | 894.7 | 894.6 | 894.5 | 894.3 | 895.1 |
| 180° | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 |



TEST NUMBER: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D1

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 | 118.5 | 120.5 |
| 92.5° | 110.9 | 116.5 | 122.1 | 125.8 | 127.6 | 129.4 | 131.2 | 133.0 |
| 95° | 132.5 | 138.1 | 143.7 | 147.4 | 149.2 | 151.0 | 152.7 | 154.4 |
| 97.5° | 159.2 | 164.5 | 169.9 | 173.3 | 174.9 | 176.5 | 178.1 | 179.7 |
| 100° | 177.4 | 183.1 | 188.8 | 192.4 | 194.0 | 195.6 | 197.1 | 198.6 |
| 102.5° | 196.6 | 202.3 | 208.0 | 211.7 | 213.4 | 215.0 | 216.7 | 218.4 |
| 105° | 227.7 | 232.7 | 237.7 | 241.2 | 243.2 | 245.0 | 246.9 | 248.9 |
| 107.5° | 262.5 | 267.1 | 271.6 | 274.5 | 275.7 | 277.0 | 278.2 | 279.5 |
| 110° | 286.6 | 291.0 | 295.3 | 298.1 | 299.4 | 300.7 | 302.0 | 303.3 |



TEST NUMBER: P333227-940

CATALOG NUMBER: S125DIP-S850D810U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 310.7 | 314.6 | 318.6 | 321.2 | 322.4 | 323.5 | 324.7 | 325.8 |
| 115° | 347.9 | 351.5 | 355.0 | 357.3 | 358.4 | 359.5 | 360.6 | 361.7 |
| 117.5° | 384.9 | 388.5 | 392.2 | 394.3 | 395.1 | 395.9 | 396.7 | 397.4 |
| 120° | 410.2 | 413.7 | 417.1 | 419.2 | 419.8 | 420.4 | 421.1 | 421.7 |
| 122.5° | 434.5 | 437.7 | 441.0 | 442.9 | 443.6 | 444.3 | 445.1 | 445.9 |
| 125° | 470.7 | 473.7 | 476.7 | 478.7 | 479.5 | 480.4 | 481.3 | 482.1 |
| 127.5° | 506.5 | 509.3 | 512.2 | 514.2 | 515.0 | 515.9 | 516.7 | 517.6 |
| 130° | 530.7 | 533.4 | 536.1 | 537.9 | 538.6 | 539.3 | 540.0 | 540.7 |
| 132.5° | 553.4 | 556.1 | 558.8 | 560.4 | 560.8 | 561.2 | 561.7 | 562.1 |
| 135° | 588.0 | 590.7 | 593.3 | 594.9 | 595.3 | 595.8 | 596.1 | 596.6 |
| 137.5° | 622.6 | 625.3 | 627.9 | 629.2 | 629.3 | 629.3 | 629.4 | 629.4 |
| 140° | 644.4 | 646.8 | 649.4 | 650.8 | 650.9 | 650.9 | 650.9 | 650.9 |
| 142.5° | 665.9 | 668.1 | 670.1 | 671.2 | 671.3 | 671.4 | 671.4 | 671.5 |
| 145° | 697.9 | 699.0 | 700.0 | 700.7 | 701.1 | 701.4 | 701.8 | 702.1 |
| 147.5° | 728.3 | 729.0 | 729.7 | 729.7 | 729.0 | 728.3 | 727.6 | 726.9 |
| 150° | 747.5 | 747.5 | 747.5 | 747.4 | 747.3 | 747.3 | 747.1 | 747.0 |
| 152.5° | 766.1 | 766.4 | 766.8 | 766.8 | 766.2 | 765.7 | 765.2 | 764.6 |
| 155° | 792.6 | 793.3 | 793.9 | 793.8 | 793.0 | 792.3 | 791.5 | 790.7 |
| 157.5° | 815.6 | 816.3 | 816.9 | 816.7 | 815.6 | 814.7 | 813.6 | 812.6 |
| 160° | 829.6 | 830.2 | 830.8 | 830.8 | 830.0 | 829.2 | 828.4 | 827.7 |
| 162.5° | 842.7 | 843.5 | 844.2 | 844.1 | 843.2 | 842.3 | 841.4 | 840.5 |
| 165° | 860.3 | 860.9 | 861.5 | 861.4 | 860.4 | 859.5 | 858.5 | 857.6 |
| 167.5° | 873.3 | 874.2 | 875.2 | 875.1 | 874.2 | 873.3 | 872.3 | 871.3 |
| 170° | 881.1 | 882.1 | 883.0 | 882.9 | 881.8 | 880.7 | 879.7 | 878.6 |
| 172.5° | 886.7 | 887.6 | 888.6 | 888.6 | 887.6 | 886.6 | 885.6 | 884.7 |
| 175° | 893.0 | 893.9 | 894.8 | 894.7 | 893.7 | 892.6 | 891.5 | 890.5 |
| 177.5° | 895.8 | 896.5 | 897.3 | 897.2 | 896.3 | 895.5 | 894.7 | 893.8 |
| 180° | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 | 896.0 |

(END OF REPORT)