

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: P333210-940

Luminaire Tested: **S125DIP-S850D365U940-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333210-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D365U940-4F0-1E-UDD-D4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4098.9 lumens
Efficiency: N/A
Efficacy: 117.1 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: Semi-Direct

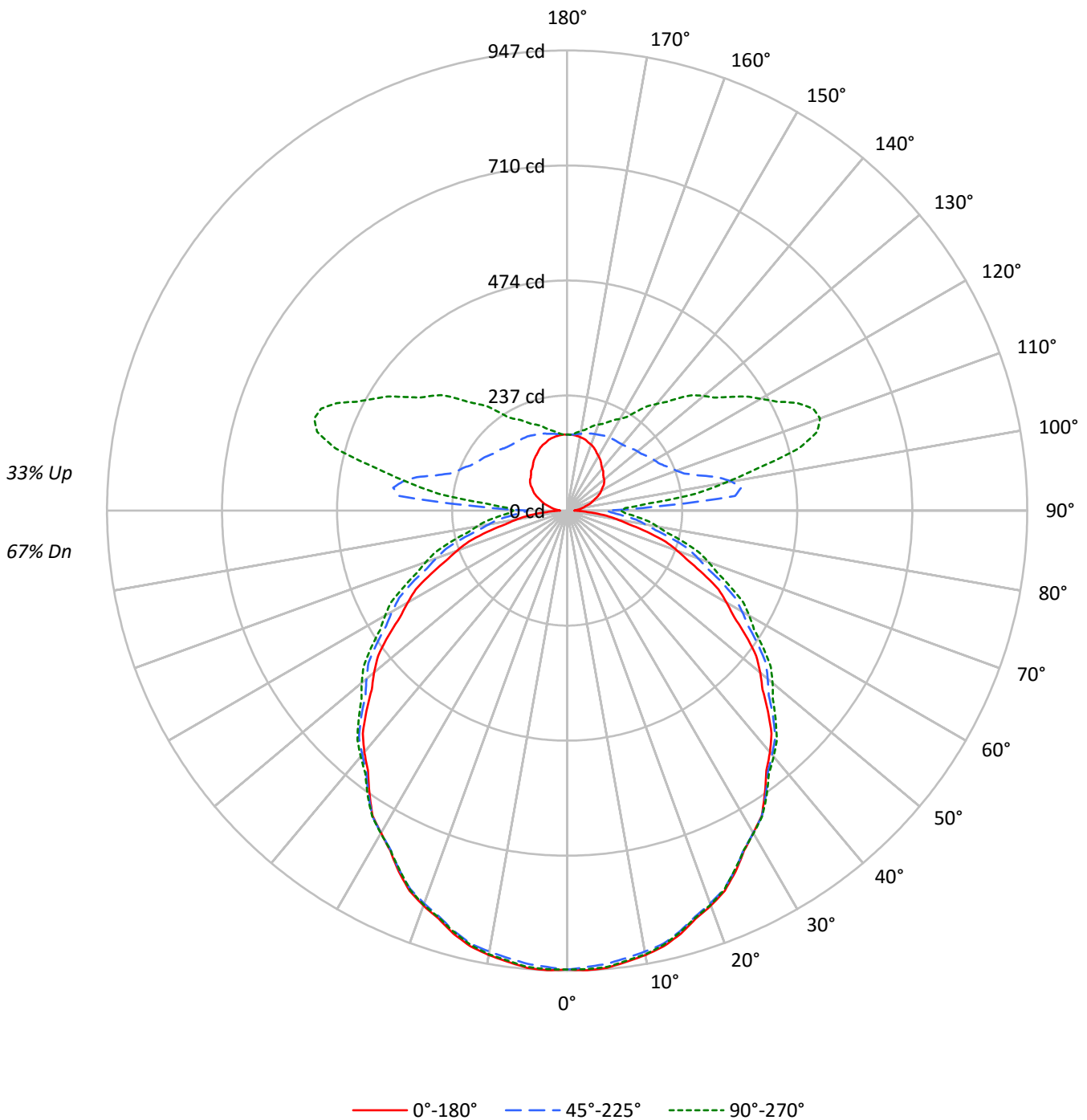
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

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 | 111 | 111 | 111 | 111 | 105 | 105 | 105 | 105 | 93 | 93 | 93 | 82 | 82 | 82 | 72 | 72 | 72 | 67 |
| 1 | 101 | 96 | 91 | 87 | 95 | 90 | 86 | 83 | 80 | 77 | 74 | 71 | 68 | 66 | 62 | 60 | 59 | 54 |
| 2 | 91 | 83 | 76 | 71 | 86 | 78 | 72 | 67 | 70 | 65 | 61 | 61 | 58 | 55 | 54 | 51 | 49 | 45 |
| 3 | 83 | 73 | 65 | 58 | 78 | 69 | 62 | 56 | 61 | 55 | 51 | 54 | 50 | 46 | 47 | 44 | 41 | 37 |
| 4 | 76 | 64 | 56 | 49 | 71 | 61 | 53 | 47 | 54 | 48 | 43 | 48 | 43 | 39 | 42 | 38 | 35 | 32 |
| 5 | 70 | 57 | 49 | 42 | 65 | 54 | 46 | 40 | 48 | 42 | 37 | 43 | 38 | 34 | 38 | 34 | 30 | 28 |
| 6 | 64 | 51 | 43 | 37 | 60 | 49 | 41 | 35 | 44 | 37 | 32 | 39 | 34 | 29 | 34 | 30 | 27 | 24 |
| 7 | 59 | 46 | 38 | 32 | 56 | 44 | 36 | 31 | 40 | 33 | 28 | 35 | 30 | 26 | 31 | 27 | 24 | 21 |
| 8 | 55 | 42 | 34 | 28 | 52 | 40 | 33 | 27 | 36 | 30 | 25 | 32 | 27 | 23 | 29 | 24 | 21 | 19 |
| 9 | 51 | 39 | 31 | 25 | 48 | 37 | 29 | 24 | 33 | 27 | 23 | 30 | 25 | 21 | 27 | 22 | 19 | 17 |
| 10 | 48 | 35 | 28 | 23 | 45 | 34 | 27 | 22 | 31 | 25 | 20 | 28 | 22 | 19 | 25 | 20 | 17 | 15 |

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: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.3 | 2.2 |
| 10°-20° | 253.6 | 6.2 |
| 20°-30° | 377.1 | 9.2 |
| 30°-40° | 446.7 | 10.9 |
| 40°-50° | 461.8 | 11.3 |
| 50°-60° | 425.4 | 10.4 |
| 60°-70° | 343.9 | 8.4 |
| 70°-80° | 230.3 | 5.6 |
| 80°-90° | 120.3 | 2.9 |
| 90°-100° | 180.3 | 4.4 |
| 100°-110° | 293.0 | 7.1 |
| 110°-120° | 261.7 | 6.4 |
| 120°-130° | 204.0 | 5.0 |
| 130°-140° | 156.9 | 3.8 |
| 140°-150° | 113.9 | 2.8 |
| 150°-160° | 79.0 | 1.9 |
| 160°-170° | 46.5 | 1.1 |
| 170°-180° | 15.1 | 0.4 |
| 0°-30° | 720.0 | 17.6 |
| 0°-40° | 1166.7 | 28.5 |
| 0°-60° | 2053.9 | 50.1 |
| 0°-90° | 2748.4 | 67.1 |
| 90°-120° | 735.0 | 17.9 |
| 90°-150° | 1209.8 | 29.5 |
| 90°-180° | 1350.0 | 32.9 |
| 0°-180° | 4098.9 | 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° | 15 | 47 | 81 | 103 | 111 | 10 |
| 95° | 22 | 67 | 347 | 214 | 168 | 21 |
| 105° | 44 | 74 | 279 | 519 | 494 | 46 |
| 115° | 69 | 90 | 220 | 448 | 524 | 68 |
| 125° | 92 | 107 | 197 | 350 | 407 | 81 |
| 135° | 105 | 126 | 182 | 283 | 328 | 82 |
| 145° | 121 | 138 | 175 | 223 | 248 | 76 |
| 155° | 137 | 148 | 171 | 193 | 201 | 63 |
| 165° | 150 | 154 | 164 | 174 | 176 | 42 |
| 175° | 156 | 156 | 157 | 159 | 158 | 15 |
| 180° | 156 | 156 | 156 | 156 | 156 | |



TEST NUMBER: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

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° | 29.0 | 35.6 | 42.4 | 49.0 | 55.7 | 62.7 | 69.7 | 76.9 | 83.9 | 91.0 | 95.9 |
| 90° | 15.2 | 22.0 | 29.2 | 36.5 | 43.7 | 51.1 | 58.4 | 66.1 | 73.4 | 81.0 | 86.1 |
| 92.5° | 17.2 | 24.1 | 32.8 | 42.8 | 54.3 | 70.2 | 94.5 | 130.5 | 169.1 | 174.6 | 159.8 |
| 95° | 22.5 | 28.1 | 35.9 | 44.8 | 57.1 | 77.4 | 118.2 | 194.5 | 288.5 | 346.8 | 345.4 |
| 97.5° | 28.2 | 33.3 | 39.9 | 48.2 | 59.3 | 75.3 | 104.3 | 161.9 | 259.7 | 361.1 | 413.0 |
| 100° | 32.3 | 37.2 | 42.8 | 50.6 | 60.9 | 75.8 | 100.7 | 148.2 | 234.2 | 343.8 | 427.0 |
| 102.5° | 36.8 | 41.2 | 46.2 | 53.9 | 63.4 | 77.8 | 100.4 | 141.2 | 214.8 | 316.9 | 413.2 |
| 105° | 44.0 | 47.3 | 52.1 | 58.6 | 66.9 | 80.4 | 100.5 | 134.7 | 193.5 | 279.4 | 374.0 |
| 107.5° | 50.9 | 54.3 | 58.7 | 64.0 | 72.1 | 84.4 | 103.7 | 133.7 | 182.5 | 252.9 | 334.9 |
| 110° | 56.0 | 59.0 | 62.8 | 68.1 | 75.3 | 87.6 | 106.3 | 133.8 | 177.7 | 239.5 | 312.2 |



TEST NUMBER: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 61.8 | 64.4 | 67.3 | 72.1 | 78.8 | 90.6 | 108.6 | 134.6 | 174.9 | 230.5 | 294.4 |
| 115° | 69.2 | 71.2 | 73.7 | 77.9 | 84.1 | 95.4 | 112.4 | 136.1 | 171.7 | 219.5 | 273.9 |
| 117.5° | 75.9 | 77.8 | 79.7 | 83.5 | 89.8 | 100.4 | 116.5 | 138.2 | 169.5 | 211.9 | 259.8 |
| 120° | 80.9 | 82.5 | 84.4 | 87.8 | 93.8 | 104.3 | 120.1 | 139.9 | 169.0 | 207.4 | 251.6 |
| 122.5° | 85.4 | 86.4 | 87.7 | 90.9 | 97.0 | 107.3 | 122.9 | 141.9 | 167.9 | 203.1 | 243.9 |
| 125° | 91.9 | 92.4 | 93.7 | 96.4 | 102.2 | 112.3 | 126.8 | 144.5 | 166.8 | 197.2 | 233.2 |
| 127.5° | 96.2 | 97.0 | 98.8 | 102.2 | 108.3 | 118.2 | 131.5 | 147.4 | 166.7 | 192.2 | 223.0 |
| 130° | 99.5 | 100.2 | 102.5 | 106.5 | 112.9 | 122.4 | 135.1 | 149.9 | 167.0 | 189.4 | 216.9 |
| 132.5° | 101.3 | 102.5 | 105.5 | 110.0 | 116.8 | 126.1 | 138.1 | 151.6 | 166.9 | 186.5 | 210.9 |
| 135° | 105.2 | 106.3 | 109.9 | 114.7 | 121.1 | 130.2 | 141.4 | 153.3 | 166.4 | 182.0 | 202.6 |
| 137.5° | 110.2 | 111.0 | 114.3 | 119.2 | 125.6 | 134.6 | 144.2 | 154.8 | 166.7 | 179.1 | 195.8 |
| 140° | 112.4 | 113.4 | 117.2 | 122.3 | 128.2 | 136.9 | 146.2 | 155.9 | 166.1 | 177.1 | 192.0 |
| 142.5° | 116.0 | 116.5 | 119.9 | 124.8 | 130.4 | 138.3 | 147.0 | 156.0 | 165.6 | 175.8 | 188.9 |
| 145° | 121.3 | 121.7 | 124.7 | 128.9 | 134.4 | 141.5 | 149.7 | 157.6 | 166.0 | 175.2 | 185.7 |
| 147.5° | 125.9 | 126.3 | 129.0 | 133.1 | 138.0 | 144.4 | 151.6 | 158.7 | 166.4 | 174.4 | 183.1 |
| 150° | 129.2 | 129.8 | 132.1 | 136.2 | 140.5 | 145.9 | 152.8 | 159.4 | 166.4 | 173.6 | 181.2 |
| 152.5° | 132.8 | 133.1 | 135.1 | 138.7 | 142.9 | 147.7 | 154.1 | 160.0 | 166.1 | 172.6 | 179.4 |
| 155° | 137.4 | 137.4 | 139.3 | 142.4 | 145.6 | 150.0 | 155.3 | 160.4 | 165.4 | 170.9 | 176.5 |
| 157.5° | 141.6 | 141.5 | 143.0 | 145.7 | 148.5 | 151.9 | 156.4 | 160.7 | 164.6 | 168.9 | 173.7 |
| 160° | 144.4 | 144.0 | 145.3 | 147.5 | 150.0 | 152.8 | 156.9 | 160.7 | 163.9 | 167.6 | 171.5 |
| 162.5° | 146.6 | 146.3 | 147.6 | 149.5 | 151.5 | 153.8 | 157.5 | 160.5 | 163.1 | 166.1 | 169.4 |
| 165° | 150.0 | 149.4 | 150.3 | 151.9 | 153.2 | 155.1 | 157.6 | 160.1 | 162.0 | 163.9 | 166.4 |
| 167.5° | 152.3 | 151.9 | 152.6 | 153.4 | 154.3 | 155.5 | 157.6 | 159.3 | 160.2 | 161.7 | 163.5 |
| 170° | 153.8 | 153.5 | 153.8 | 154.4 | 155.1 | 156.0 | 157.6 | 158.8 | 159.4 | 160.4 | 161.7 |
| 172.5° | 154.8 | 154.3 | 154.5 | 155.2 | 155.5 | 156.0 | 157.3 | 158.4 | 158.5 | 158.9 | 159.9 |
| 175° | 156.0 | 155.3 | 155.7 | 156.0 | 156.0 | 156.0 | 156.9 | 157.6 | 157.3 | 157.3 | 157.6 |
| 177.5° | 156.6 | 156.0 | 156.0 | 156.3 | 156.0 | 156.0 | 156.6 | 156.9 | 156.3 | 156.3 | 156.6 |
| 180° | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 |



TEST NUMBER: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

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° | 100.6 | 105.4 | 110.2 | 113.4 | 114.9 | 116.3 | 117.8 | 119.2 |
| 90° | 91.0 | 96.1 | 101.2 | 104.9 | 106.3 | 107.8 | 109.5 | 110.9 |
| 92.5° | 137.9 | 127.2 | 121.7 | 120.1 | 117.5 | 118.2 | 119.2 | 120.1 |
| 95° | 303.3 | 259.8 | 225.6 | 202.2 | 181.2 | 173.2 | 172.1 | 168.5 |
| 97.5° | 409.1 | 379.8 | 346.3 | 312.5 | 294.4 | 278.1 | 270.4 | 267.7 |
| 100° | 455.6 | 444.4 | 416.3 | 386.3 | 365.8 | 344.3 | 333.9 | 330.1 |
| 102.5° | 469.1 | 482.8 | 471.4 | 451.9 | 429.9 | 415.0 | 403.6 | 401.0 |
| 105° | 453.7 | 501.1 | 519.0 | 518.4 | 509.7 | 500.7 | 495.9 | 493.5 |
| 107.5° | 413.7 | 475.4 | 515.1 | 534.1 | 540.6 | 541.7 | 540.9 | 539.7 |
| 110° | 384.1 | 447.9 | 496.2 | 525.8 | 541.4 | 548.8 | 552.4 | 553.8 |



TEST NUMBER: P333210-940

CATALOG NUMBER: S125DIP-S850D365U940-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 360.2 | 420.8 | 469.5 | 503.6 | 525.8 | 537.5 | 544.5 | 548.1 |
| 115° | 329.7 | 382.2 | 429.1 | 465.9 | 491.8 | 508.1 | 518.2 | 523.5 |
| 117.5° | 308.1 | 353.7 | 394.3 | 428.3 | 454.3 | 471.4 | 481.4 | 485.4 |
| 120° | 296.0 | 337.3 | 375.5 | 405.6 | 430.2 | 446.5 | 456.3 | 460.0 |
| 122.5° | 285.9 | 324.3 | 358.5 | 386.7 | 408.8 | 423.9 | 433.6 | 437.1 |
| 125° | 271.5 | 306.9 | 337.6 | 362.5 | 381.2 | 395.1 | 403.1 | 407.2 |
| 127.5° | 256.6 | 289.7 | 318.3 | 341.7 | 358.9 | 371.5 | 379.2 | 381.8 |
| 130° | 247.8 | 278.4 | 305.9 | 328.3 | 345.1 | 356.5 | 363.8 | 366.8 |
| 132.5° | 238.5 | 267.4 | 292.6 | 314.1 | 330.8 | 342.1 | 348.7 | 351.7 |
| 135° | 225.5 | 249.9 | 272.8 | 292.6 | 307.5 | 318.9 | 325.6 | 328.5 |
| 137.5° | 214.7 | 234.7 | 254.0 | 270.8 | 284.0 | 294.4 | 300.4 | 303.3 |
| 140° | 208.4 | 225.4 | 242.2 | 257.0 | 269.5 | 278.5 | 284.0 | 286.4 |
| 142.5° | 203.0 | 217.5 | 231.8 | 244.7 | 255.4 | 263.1 | 268.5 | 270.6 |
| 145° | 196.5 | 207.3 | 218.1 | 227.6 | 235.9 | 242.1 | 246.4 | 248.4 |
| 147.5° | 191.1 | 199.3 | 207.1 | 213.9 | 220.3 | 225.0 | 227.4 | 228.3 |
| 150° | 188.2 | 195.1 | 201.1 | 206.9 | 211.8 | 215.8 | 217.2 | 217.8 |
| 152.5° | 185.7 | 191.8 | 197.2 | 201.7 | 205.7 | 208.7 | 210.1 | 210.4 |
| 155° | 181.8 | 186.9 | 191.3 | 194.7 | 197.9 | 200.1 | 201.1 | 201.3 |
| 157.5° | 178.1 | 182.2 | 185.7 | 188.3 | 190.8 | 192.6 | 193.5 | 193.4 |
| 160° | 175.6 | 178.7 | 181.8 | 184.0 | 186.3 | 187.8 | 188.4 | 188.2 |
| 162.5° | 172.7 | 175.7 | 178.3 | 180.3 | 182.0 | 183.2 | 183.4 | 183.3 |
| 165° | 168.9 | 171.1 | 173.0 | 174.6 | 175.8 | 176.5 | 176.5 | 176.5 |
| 167.5° | 165.2 | 166.7 | 168.2 | 169.3 | 170.0 | 170.5 | 170.2 | 170.1 |
| 170° | 163.3 | 164.2 | 165.1 | 165.8 | 166.4 | 166.7 | 166.7 | 166.4 |
| 172.5° | 161.0 | 161.9 | 162.6 | 163.0 | 163.1 | 163.7 | 163.2 | 162.8 |
| 175° | 158.5 | 158.5 | 159.2 | 159.2 | 159.2 | 159.4 | 158.8 | 158.5 |
| 177.5° | 156.9 | 157.0 | 157.0 | 157.0 | 156.9 | 157.0 | 156.3 | 156.3 |
| 180° | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 |

(END OF REPORT)