

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: P333238-935

Luminaire Tested: **S125DIP-S850D1035U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333238-935
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-S850D1035U935-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6504.8 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

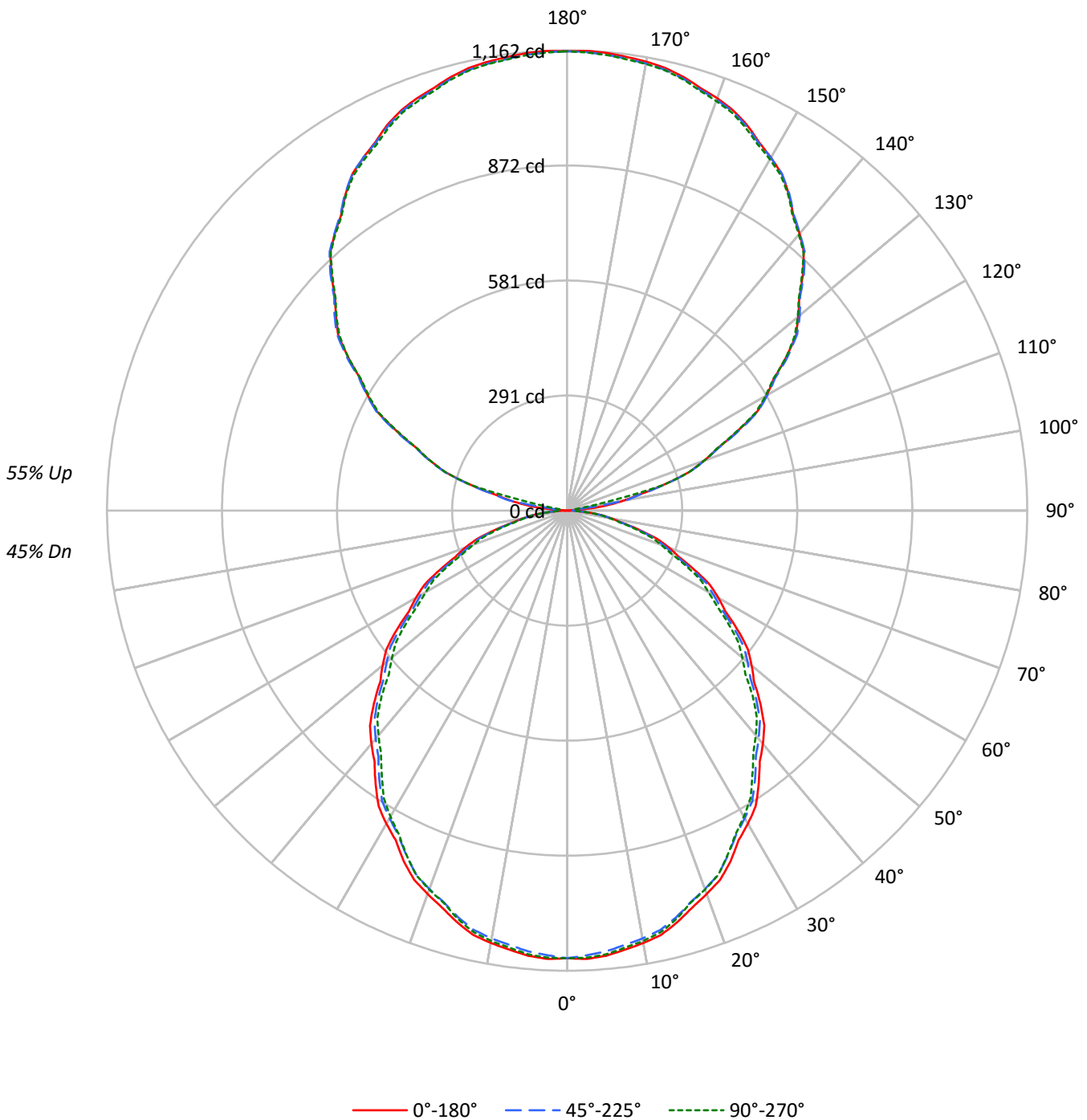
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

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 | 97 | 92 | 88 | 85 | 88 | 85 | 81 | 78 | 71 | 68 | 66 | 58 | 56 | 54 | 46 | 45 | 44 | 38 |
| 2 | 88 | 81 | 74 | 69 | 80 | 74 | 69 | 64 | 62 | 58 | 55 | 51 | 48 | 45 | 40 | 38 | 37 | 32 |
| 3 | 80 | 71 | 63 | 58 | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 38 | 36 | 33 | 31 | 27 |
| 4 | 73 | 63 | 55 | 49 | 67 | 58 | 51 | 45 | 48 | 43 | 39 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 38 | 34 | 36 | 32 | 28 | 29 | 26 | 23 | 20 |
| 6 | 62 | 50 | 42 | 36 | 57 | 46 | 39 | 34 | 39 | 33 | 29 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7 | 57 | 45 | 37 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | 29 | 25 | 22 | 24 | 21 | 18 | 16 |
| 8 | 53 | 41 | 33 | 28 | 49 | 38 | 31 | 26 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 16 | 14 |
| 9 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 34 | 27 | 22 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | 23 | 19 | 16 | 19 | 16 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7299 | 7299 | 7299 |
| 5° | 7316 | 7247 | 7293 |
| 10° | 7271 | 7195 | 7237 |
| 15° | 7192 | 7109 | 7138 |
| 20° | 7080 | 6988 | 7000 |
| 25° | 6959 | 6844 | 6837 |
| 30° | 6809 | 6689 | 6655 |
| 35° | 6649 | 6522 | 6430 |
| 40° | 6483 | 6340 | 6250 |
| 45° | 6305 | 6175 | 6052 |
| 50° | 6109 | 5974 | 5795 |
| 55° | 5920 | 5749 | 5588 |
| 60° | 5694 | 5521 | 5324 |
| 65° | 5425 | 5248 | 5069 |
| 70° | 5166 | 4930 | 4762 |
| 75° | 4706 | 4551 | 4397 |
| 80° | 4192 | 4125 | 4024 |
| 85° | 3646 | 3712 | 3512 |



TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.6 | 1.6 |
| 10°-20° | 301.0 | 4.6 |
| 20°-30° | 444.5 | 6.8 |
| 30°-40° | 518.7 | 8.0 |
| 40°-50° | 520.9 | 8.0 |
| 50°-60° | 457.3 | 7.0 |
| 60°-70° | 340.7 | 5.2 |
| 70°-80° | 194.8 | 3.0 |
| 80°-90° | 59.1 | 0.9 |
| 90°-100° | 42.2 | 0.6 |
| 100°-110° | 259.7 | 4.0 |
| 110°-120° | 471.1 | 7.2 |
| 120°-130° | 604.6 | 9.3 |
| 130°-140° | 650.2 | 10.0 |
| 140°-150° | 610.3 | 9.4 |
| 150°-160° | 493.7 | 7.6 |
| 160°-170° | 319.3 | 4.9 |
| 170°-180° | 110.1 | 1.7 |
| 0°-30° | 852.1 | 13.1 |
| 0°-40° | 1370.8 | 21.1 |
| 0°-60° | 2348.9 | 36.1 |
| 0°-90° | 2943.6 | 45.3 |
| 90°-120° | 772.9 | 11.9 |
| 90°-150° | 2638.1 | 40.6 |
| 90°-180° | 3561.0 | 54.7 |
| 0°-180° | 6504.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1130 | 1130 | 1130 | 1130 | 1130 | |
| 5° | 1128 | 1126 | 1118 | 1125 | 1125 | 107 |
| 15° | 1076 | 1073 | 1063 | 1067 | 1068 | 303 |
| 25° | 976 | 972 | 960 | 962 | 960 | 449 |
| 35° | 843 | 839 | 827 | 823 | 816 | 527 |
| 45° | 690 | 686 | 676 | 666 | 663 | 532 |
| 55° | 526 | 523 | 511 | 503 | 496 | 469 |
| 65° | 355 | 353 | 343 | 336 | 332 | 352 |
| 75° | 189 | 187 | 182 | 180 | 176 | 201 |
| 85° | 49 | 50 | 50 | 49 | 47 | 55 |
| 90° | 1 | 8 | 14 | 18 | 21 | 5 |
| 95° | 49 | 45 | 14 | 18 | 18 | 62 |
| 105° | 253 | 256 | 256 | 256 | 255 | 268 |
| 115° | 475 | 479 | 480 | 476 | 471 | 470 |
| 125° | 675 | 681 | 681 | 678 | 675 | 603 |
| 135° | 842 | 846 | 845 | 843 | 838 | 649 |
| 145° | 976 | 977 | 978 | 978 | 973 | 610 |
| 155° | 1075 | 1070 | 1071 | 1073 | 1067 | 495 |
| 165° | 1134 | 1129 | 1130 | 1134 | 1128 | 320 |
| 175° | 1160 | 1155 | 1155 | 1161 | 1154 | 110 |
| 180° | 1160 | 1160 | 1160 | 1160 | 1160 | |



TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 |
| 2.5° | 1133.2 | 1132.6 | 1132.2 | 1131.7 | 1131.2 | 1130.1 | 1128.6 | 1127.0 | 1125.4 | 1123.9 | 1125.4 |
| 5° | 1128.5 | 1128.1 | 1127.7 | 1127.3 | 1126.9 | 1125.7 | 1123.7 | 1121.7 | 1119.7 | 1117.8 | 1119.6 |
| 7.5° | 1118.1 | 1117.8 | 1117.3 | 1116.9 | 1116.5 | 1115.3 | 1113.0 | 1110.9 | 1108.7 | 1106.5 | 1108.2 |
| 10° | 1108.8 | 1108.5 | 1108.0 | 1107.6 | 1107.2 | 1106.0 | 1103.7 | 1101.6 | 1099.4 | 1097.2 | 1098.8 |
| 12.5° | 1097.3 | 1096.7 | 1096.0 | 1095.2 | 1094.5 | 1093.1 | 1091.1 | 1089.1 | 1087.0 | 1085.0 | 1086.3 |
| 15° | 1075.7 | 1075.1 | 1074.5 | 1073.9 | 1073.3 | 1071.9 | 1069.8 | 1067.6 | 1065.4 | 1063.2 | 1064.2 |
| 17.5° | 1050.9 | 1050.0 | 1049.1 | 1048.3 | 1047.4 | 1045.8 | 1043.5 | 1041.3 | 1039.0 | 1036.7 | 1037.9 |
| 20° | 1030.1 | 1029.8 | 1029.3 | 1028.9 | 1028.6 | 1027.0 | 1024.4 | 1021.8 | 1019.3 | 1016.7 | 1018.1 |
| 22.5° | 1009.4 | 1008.7 | 1008.0 | 1007.2 | 1006.5 | 1005.0 | 1002.5 | 1000.1 | 997.6 | 995.2 | 996.2 |
| 25° | 976.5 | 975.5 | 974.5 | 973.4 | 972.5 | 970.7 | 968.1 | 965.5 | 962.9 | 960.4 | 960.8 |
| 27.5° | 938.0 | 937.5 | 936.9 | 936.3 | 935.6 | 934.0 | 931.3 | 928.7 | 926.0 | 923.3 | 923.4 |
| 30° | 913.0 | 912.4 | 911.8 | 911.2 | 910.6 | 908.8 | 905.9 | 902.8 | 899.8 | 896.9 | 896.5 |
| 32.5° | 885.8 | 884.8 | 884.0 | 883.0 | 882.2 | 880.4 | 877.7 | 875.0 | 872.4 | 869.7 | 869.0 |
| 35° | 843.3 | 842.4 | 841.6 | 840.9 | 840.1 | 838.3 | 835.5 | 832.7 | 829.9 | 827.2 | 826.1 |
| 37.5° | 799.1 | 798.1 | 797.0 | 796.1 | 795.0 | 793.2 | 790.7 | 788.0 | 785.4 | 782.8 | 781.3 |
| 40° | 769.0 | 768.0 | 767.1 | 766.0 | 765.0 | 763.2 | 760.3 | 757.6 | 754.8 | 752.0 | 750.3 |
| 42.5° | 736.8 | 736.0 | 735.1 | 734.3 | 733.5 | 731.7 | 728.9 | 726.1 | 723.3 | 720.6 | 718.9 |
| 45° | 690.3 | 689.5 | 688.7 | 687.9 | 687.2 | 685.5 | 683.2 | 680.8 | 678.4 | 676.1 | 673.6 |
| 47.5° | 640.2 | 640.3 | 640.3 | 640.3 | 640.4 | 639.0 | 636.1 | 633.3 | 630.4 | 627.6 | 625.1 |
| 50° | 608.0 | 607.4 | 606.8 | 606.2 | 605.7 | 604.2 | 601.8 | 599.4 | 597.0 | 594.6 | 592.0 |
| 52.5° | 575.1 | 574.7 | 574.3 | 573.9 | 573.4 | 571.9 | 569.4 | 566.8 | 564.3 | 561.7 | 559.5 |
| 55° | 525.8 | 525.2 | 524.6 | 524.0 | 523.4 | 521.7 | 518.9 | 516.2 | 513.3 | 510.6 | 508.8 |
| 57.5° | 473.7 | 473.5 | 473.1 | 472.8 | 472.5 | 471.1 | 468.8 | 466.5 | 464.1 | 461.8 | 459.4 |
| 60° | 440.8 | 440.1 | 439.3 | 438.4 | 437.6 | 436.2 | 433.9 | 431.8 | 429.6 | 427.4 | 425.4 |
| 62.5° | 406.5 | 405.9 | 405.3 | 404.6 | 404.0 | 402.7 | 400.9 | 399.0 | 397.1 | 395.2 | 393.1 |
| 65° | 355.0 | 354.6 | 354.2 | 353.8 | 353.4 | 352.1 | 349.9 | 347.8 | 345.5 | 343.4 | 341.6 |
| 67.5° | 305.1 | 304.3 | 303.4 | 302.6 | 301.8 | 300.5 | 298.9 | 297.3 | 295.7 | 294.0 | 292.5 |
| 70° | 273.6 | 272.6 | 271.6 | 270.6 | 269.7 | 268.3 | 266.5 | 264.7 | 262.9 | 261.1 | 259.9 |
| 72.5° | 239.3 | 238.6 | 237.9 | 237.3 | 236.6 | 235.7 | 234.5 | 233.3 | 232.2 | 231.1 | 229.7 |
| 75° | 188.6 | 188.3 | 187.9 | 187.5 | 187.1 | 186.4 | 185.4 | 184.4 | 183.4 | 182.4 | 181.8 |
| 77.5° | 142.0 | 141.8 | 141.7 | 141.5 | 141.4 | 141.0 | 140.4 | 139.9 | 139.3 | 138.8 | 138.4 |
| 80° | 112.7 | 112.7 | 112.7 | 112.7 | 112.7 | 112.4 | 112.1 | 111.7 | 111.2 | 110.9 | 110.7 |
| 82.5° | 86.9 | 86.6 | 86.3 | 85.9 | 85.7 | 85.4 | 85.3 | 85.3 | 85.2 | 85.2 | 84.8 |
| 85° | 49.2 | 49.4 | 49.6 | 49.8 | 49.9 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 49.9 |
| 87.5° | 19.5 | 19.8 | 20.1 | 20.4 | 20.8 | 20.9 | 21.0 | 21.1 | 21.3 | 21.4 | 21.5 |
| 90° | 0.9 | 2.4 | 3.9 | 5.4 | 7.0 | 8.4 | 9.7 | 11.1 | 12.4 | 13.8 | 14.7 |
| 92.5° | 13.3 | 12.1 | 11.1 | 10.0 | 9.0 | 9.0 | 10.2 | 11.4 | 12.6 | 13.8 | 14.7 |
| 95° | 49.0 | 48.4 | 47.9 | 47.3 | 46.8 | 42.8 | 35.6 | 28.2 | 21.0 | 13.8 | 14.7 |
| 97.5° | 102.3 | 103.3 | 104.4 | 105.4 | 106.4 | 99.8 | 85.4 | 71.0 | 56.7 | 42.3 | 36.9 |
| 100° | 143.5 | 144.1 | 144.7 | 145.3 | 145.9 | 146.5 | 147.3 | 148.1 | 148.8 | 149.6 | 121.1 |
| 102.5° | 185.5 | 186.2 | 187.0 | 187.7 | 188.4 | 189.0 | 189.5 | 189.9 | 190.4 | 190.9 | 185.5 |
| 105° | 252.7 | 253.5 | 254.3 | 255.0 | 255.8 | 256.1 | 256.1 | 256.1 | 256.1 | 256.1 | 256.1 |
| 107.5° | 322.5 | 322.5 | 322.5 | 322.5 | 322.5 | 322.7 | 323.1 | 323.5 | 323.9 | 324.3 | 324.3 |
| 110° | 367.9 | 367.9 | 367.9 | 367.9 | 367.9 | 368.2 | 368.5 | 368.9 | 369.3 | 369.6 | 369.1 |



TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 410.6 | 411.0 | 411.5 | 412.0 | 412.4 | 412.8 | 413.0 | 413.2 | 413.5 | 413.7 | 412.9 |
| 115° | 474.6 | 475.5 | 476.5 | 477.4 | 478.4 | 479.0 | 479.1 | 479.3 | 479.5 | 479.7 | 479.0 |
| 117.5° | 540.7 | 540.7 | 540.6 | 540.6 | 540.6 | 541.0 | 541.7 | 542.3 | 543.1 | 543.8 | 542.9 |
| 120° | 582.0 | 581.8 | 581.6 | 581.4 | 581.3 | 581.4 | 582.0 | 582.6 | 583.2 | 583.8 | 583.3 |
| 122.5° | 618.5 | 619.1 | 619.9 | 620.6 | 621.4 | 621.8 | 622.2 | 622.4 | 622.7 | 622.9 | 622.5 |
| 125° | 674.9 | 676.1 | 677.5 | 678.9 | 680.2 | 680.9 | 680.9 | 680.9 | 680.9 | 680.9 | 680.1 |
| 127.5° | 728.7 | 729.6 | 730.6 | 731.5 | 732.5 | 732.9 | 732.8 | 732.7 | 732.5 | 732.5 | 732.0 |
| 130° | 761.6 | 762.7 | 763.6 | 764.6 | 765.5 | 766.0 | 766.3 | 766.5 | 766.6 | 766.8 | 766.3 |
| 132.5° | 794.7 | 795.8 | 796.9 | 798.0 | 799.1 | 799.4 | 799.0 | 798.7 | 798.2 | 797.8 | 797.6 |
| 135° | 841.6 | 842.7 | 844.0 | 845.1 | 846.2 | 846.6 | 846.2 | 845.8 | 845.4 | 845.1 | 844.6 |
| 137.5° | 884.8 | 885.8 | 886.7 | 887.8 | 888.7 | 889.1 | 888.7 | 888.4 | 888.0 | 887.7 | 887.8 |
| 140° | 913.0 | 913.3 | 913.8 | 914.1 | 914.5 | 914.6 | 914.4 | 914.2 | 914.0 | 913.9 | 914.2 |
| 142.5° | 938.4 | 938.7 | 938.9 | 939.1 | 939.4 | 939.6 | 939.9 | 940.1 | 940.4 | 940.6 | 940.7 |
| 145° | 975.8 | 976.1 | 976.5 | 976.9 | 977.2 | 977.5 | 977.5 | 977.5 | 977.5 | 977.5 | 977.7 |
| 147.5° | 1008.4 | 1008.3 | 1008.2 | 1008.1 | 1008.1 | 1008.1 | 1008.4 | 1008.7 | 1008.8 | 1009.1 | 1009.4 |
| 150° | 1029.1 | 1028.6 | 1028.3 | 1027.9 | 1027.5 | 1027.5 | 1027.9 | 1028.3 | 1028.6 | 1029.1 | 1029.4 |
| 152.5° | 1049.0 | 1048.2 | 1047.3 | 1046.5 | 1045.6 | 1045.4 | 1045.8 | 1046.1 | 1046.5 | 1046.9 | 1047.3 |
| 155° | 1074.6 | 1073.5 | 1072.3 | 1071.2 | 1070.1 | 1069.6 | 1070.1 | 1070.4 | 1070.7 | 1071.2 | 1071.8 |
| 157.5° | 1094.3 | 1093.6 | 1093.0 | 1092.4 | 1091.7 | 1091.3 | 1091.3 | 1091.4 | 1091.4 | 1091.5 | 1092.1 |
| 160° | 1108.1 | 1107.0 | 1105.9 | 1104.7 | 1103.5 | 1103.0 | 1103.3 | 1103.5 | 1103.6 | 1103.8 | 1104.6 |
| 162.5° | 1119.1 | 1118.0 | 1116.8 | 1115.7 | 1114.6 | 1114.0 | 1114.2 | 1114.5 | 1114.7 | 1114.8 | 1115.9 |
| 165° | 1133.9 | 1132.7 | 1131.6 | 1130.5 | 1129.4 | 1128.9 | 1129.0 | 1129.2 | 1129.5 | 1129.6 | 1130.8 |
| 167.5° | 1145.0 | 1143.8 | 1142.5 | 1141.3 | 1140.2 | 1139.7 | 1139.9 | 1140.1 | 1140.2 | 1140.5 | 1141.9 |
| 170° | 1151.1 | 1149.8 | 1148.4 | 1147.1 | 1145.7 | 1145.2 | 1145.4 | 1145.6 | 1145.7 | 1146.0 | 1147.5 |
| 172.5° | 1155.2 | 1153.9 | 1152.5 | 1151.2 | 1149.9 | 1149.4 | 1149.7 | 1150.0 | 1150.4 | 1150.7 | 1152.1 |
| 175° | 1159.7 | 1158.6 | 1157.4 | 1156.2 | 1155.1 | 1154.7 | 1154.9 | 1155.0 | 1155.2 | 1155.4 | 1156.9 |
| 177.5° | 1161.7 | 1160.9 | 1159.9 | 1159.0 | 1158.1 | 1157.7 | 1157.9 | 1158.0 | 1158.2 | 1158.3 | 1159.4 |
| 180° | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 |



TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 | 1130.2 |
| 2.5° | 1127.0 | 1128.6 | 1130.1 | 1130.9 | 1130.8 | 1130.6 | 1130.4 | 1130.2 |
| 5° | 1121.4 | 1123.1 | 1124.9 | 1125.7 | 1125.5 | 1125.3 | 1125.1 | 1124.9 |
| 7.5° | 1110.0 | 1111.7 | 1113.4 | 1114.2 | 1114.0 | 1113.9 | 1113.6 | 1113.4 |
| 10° | 1100.4 | 1102.0 | 1103.5 | 1104.2 | 1104.1 | 1103.8 | 1103.6 | 1103.5 |
| 12.5° | 1087.5 | 1088.8 | 1090.1 | 1090.7 | 1090.7 | 1090.6 | 1090.6 | 1090.5 |
| 15° | 1065.2 | 1066.2 | 1067.2 | 1067.6 | 1067.6 | 1067.6 | 1067.6 | 1067.6 |
| 17.5° | 1039.2 | 1040.4 | 1041.6 | 1041.8 | 1040.8 | 1039.8 | 1038.8 | 1037.8 |
| 20° | 1019.5 | 1020.9 | 1022.3 | 1022.4 | 1021.5 | 1020.5 | 1019.5 | 1018.5 |
| 22.5° | 997.0 | 998.0 | 998.9 | 999.0 | 998.3 | 997.6 | 997.0 | 996.3 |
| 25° | 961.1 | 961.6 | 962.0 | 961.8 | 961.3 | 960.7 | 960.1 | 959.5 |
| 27.5° | 923.5 | 923.6 | 923.7 | 923.4 | 922.8 | 922.2 | 921.6 | 921.0 |
| 30° | 896.1 | 895.7 | 895.3 | 894.8 | 894.2 | 893.6 | 893.0 | 892.4 |
| 32.5° | 868.2 | 867.5 | 866.9 | 865.9 | 864.9 | 863.8 | 862.7 | 861.7 |
| 35° | 825.2 | 824.1 | 823.2 | 821.9 | 820.3 | 818.7 | 817.1 | 815.5 |
| 37.5° | 779.8 | 778.3 | 776.9 | 775.7 | 774.8 | 773.9 | 773.0 | 772.1 |
| 40° | 748.5 | 746.7 | 744.9 | 743.6 | 743.0 | 742.5 | 741.9 | 741.3 |
| 42.5° | 717.3 | 715.7 | 714.0 | 712.7 | 711.9 | 710.9 | 710.0 | 709.1 |
| 45° | 671.2 | 668.8 | 666.5 | 665.0 | 664.4 | 663.8 | 663.2 | 662.6 |
| 47.5° | 622.7 | 620.3 | 617.9 | 616.0 | 614.6 | 613.2 | 611.7 | 610.4 |
| 50° | 589.4 | 586.9 | 584.3 | 582.3 | 580.9 | 579.5 | 578.2 | 576.8 |
| 52.5° | 557.2 | 554.9 | 552.7 | 550.8 | 549.2 | 547.7 | 546.1 | 544.6 |
| 55° | 507.0 | 505.2 | 503.4 | 501.9 | 500.4 | 499.0 | 497.7 | 496.3 |
| 57.5° | 457.2 | 454.9 | 452.5 | 451.0 | 450.2 | 449.5 | 448.8 | 448.0 |
| 60° | 423.4 | 421.5 | 419.5 | 417.8 | 416.4 | 415.0 | 413.6 | 412.2 |
| 62.5° | 391.0 | 388.8 | 386.7 | 385.0 | 384.0 | 382.9 | 381.9 | 380.7 |
| 65° | 339.8 | 338.0 | 336.2 | 334.9 | 334.2 | 333.4 | 332.5 | 331.7 |
| 67.5° | 291.0 | 289.5 | 288.0 | 287.0 | 286.5 | 286.0 | 285.5 | 285.1 |
| 70° | 258.7 | 257.5 | 256.3 | 255.4 | 254.5 | 253.7 | 253.0 | 252.2 |
| 72.5° | 228.3 | 227.0 | 225.7 | 224.5 | 223.8 | 223.0 | 222.2 | 221.4 |
| 75° | 181.2 | 180.6 | 180.0 | 179.3 | 178.6 | 177.7 | 176.9 | 176.2 |
| 77.5° | 138.1 | 137.7 | 137.3 | 136.9 | 136.3 | 135.8 | 135.3 | 134.7 |
| 80° | 110.5 | 110.3 | 110.1 | 109.8 | 109.4 | 109.0 | 108.6 | 108.2 |
| 82.5° | 84.4 | 84.0 | 83.7 | 83.5 | 83.4 | 83.3 | 83.3 | 83.2 |
| 85° | 49.7 | 49.5 | 49.2 | 49.0 | 48.6 | 48.2 | 47.8 | 47.4 |
| 87.5° | 21.7 | 22.0 | 22.1 | 22.1 | 21.9 | 21.7 | 21.5 | 21.3 |
| 90° | 15.7 | 16.6 | 17.6 | 18.3 | 18.9 | 19.5 | 20.1 | 20.7 |
| 92.5° | 15.7 | 16.6 | 17.6 | 18.2 | 18.4 | 18.7 | 19.0 | 19.3 |
| 95° | 15.7 | 16.6 | 17.6 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 |
| 97.5° | 31.5 | 26.2 | 20.8 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 |
| 100° | 92.6 | 64.2 | 35.7 | 21.1 | 20.3 | 19.5 | 18.9 | 18.1 |
| 102.5° | 180.0 | 174.7 | 169.3 | 160.1 | 147.1 | 134.1 | 121.1 | 108.1 |
| 105° | 256.1 | 256.1 | 256.1 | 256.1 | 255.9 | 255.7 | 255.5 | 255.3 |
| 107.5° | 324.3 | 324.4 | 324.4 | 324.2 | 323.6 | 323.0 | 322.4 | 321.8 |
| 110° | 368.5 | 367.9 | 367.4 | 367.2 | 367.4 | 367.6 | 367.7 | 367.9 |



TEST NUMBER: P333238-935

CATALOG NUMBER: S125DIP-S850D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.2 | 411.5 | 410.8 | 410.3 | 410.0 | 409.7 | 409.5 | 409.2 |
| 115° | 478.2 | 477.4 | 476.6 | 475.7 | 474.6 | 473.4 | 472.3 | 471.1 |
| 117.5° | 541.8 | 540.9 | 539.8 | 539.1 | 538.6 | 538.1 | 537.6 | 537.1 |
| 120° | 583.0 | 582.6 | 582.2 | 581.5 | 580.6 | 579.6 | 578.7 | 577.7 |
| 122.5° | 622.2 | 621.8 | 621.4 | 620.6 | 619.6 | 618.5 | 617.3 | 616.2 |
| 125° | 679.3 | 678.6 | 677.8 | 677.2 | 676.6 | 676.0 | 675.5 | 674.9 |
| 127.5° | 731.6 | 731.2 | 730.7 | 729.9 | 728.4 | 727.0 | 725.7 | 724.2 |
| 130° | 765.7 | 765.1 | 764.6 | 763.8 | 762.8 | 761.9 | 761.0 | 759.9 |
| 132.5° | 797.5 | 797.5 | 797.3 | 796.8 | 795.8 | 794.9 | 793.9 | 793.0 |
| 135° | 844.3 | 844.0 | 843.5 | 842.7 | 841.6 | 840.5 | 839.3 | 838.2 |
| 137.5° | 887.9 | 887.9 | 888.0 | 887.5 | 886.6 | 885.5 | 884.6 | 883.6 |
| 140° | 914.6 | 915.0 | 915.3 | 915.0 | 913.9 | 912.7 | 911.5 | 910.4 |
| 142.5° | 940.8 | 940.9 | 941.0 | 940.5 | 939.3 | 938.1 | 937.0 | 935.8 |
| 145° | 977.8 | 978.0 | 978.2 | 977.8 | 976.6 | 975.4 | 974.3 | 973.2 |
| 147.5° | 1009.5 | 1009.8 | 1010.0 | 1009.4 | 1008.1 | 1006.7 | 1005.3 | 1003.9 |
| 150° | 1029.8 | 1030.2 | 1030.5 | 1030.0 | 1028.5 | 1026.9 | 1025.4 | 1023.9 |
| 152.5° | 1047.7 | 1048.1 | 1048.4 | 1047.9 | 1046.5 | 1045.2 | 1043.8 | 1042.4 |
| 155° | 1072.3 | 1072.9 | 1073.5 | 1073.0 | 1071.4 | 1069.9 | 1068.4 | 1066.9 |
| 157.5° | 1092.7 | 1093.3 | 1093.9 | 1093.5 | 1091.9 | 1090.4 | 1088.8 | 1087.4 |
| 160° | 1105.4 | 1106.1 | 1106.9 | 1106.5 | 1105.0 | 1103.5 | 1101.9 | 1100.4 |
| 162.5° | 1117.0 | 1118.0 | 1119.1 | 1118.8 | 1117.1 | 1115.4 | 1113.8 | 1112.1 |
| 165° | 1131.9 | 1133.1 | 1134.2 | 1134.0 | 1132.5 | 1130.9 | 1129.5 | 1127.9 |
| 167.5° | 1143.2 | 1144.6 | 1146.0 | 1145.8 | 1144.1 | 1142.4 | 1140.7 | 1138.9 |
| 170° | 1149.0 | 1150.6 | 1152.1 | 1151.9 | 1150.2 | 1148.6 | 1146.9 | 1145.1 |
| 172.5° | 1153.5 | 1154.9 | 1156.2 | 1156.1 | 1154.3 | 1152.6 | 1150.9 | 1149.3 |
| 175° | 1158.5 | 1160.0 | 1161.5 | 1161.4 | 1159.7 | 1158.0 | 1156.2 | 1154.5 |
| 177.5° | 1160.5 | 1161.6 | 1162.6 | 1162.5 | 1161.3 | 1160.1 | 1158.9 | 1157.6 |
| 180° | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 | 1159.7 |

(END OF REPORT)