

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

Luminaire Tested: **S125DIP-S850D810U835-4F0-1E-UDD-D**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333226  
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-S850D810U835-4F0-1E-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: 6523.0 lumens  
Efficiency: N/A  
Efficacy: 142.1 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: General Diffuse

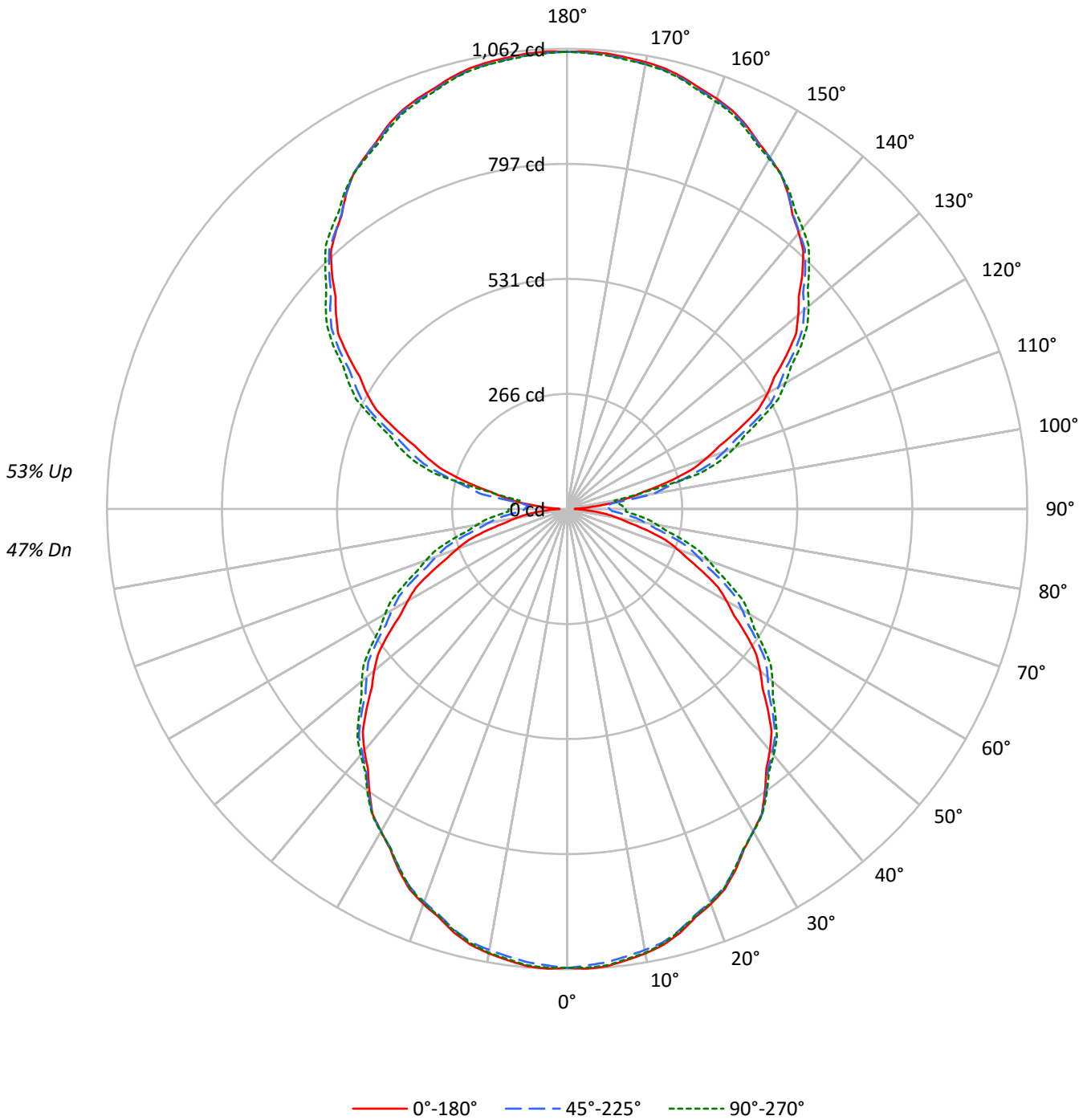
Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-D

### Luminous Intensity Polar Plot





TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-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 | 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 |    |    |    |    |    | 47 |  |   |
| 1   | 96  | 92  | 88  | 84  | 88 | 84 | 81 | 78 | 71 | 68 | 66 | 58 | 56 | 54 | 46 | 45 | 44 | 38 |    |    |    |    |    | 38 |  |   |
| 2   | 88  | 80  | 73  | 68  | 80 | 73 | 68 | 63 | 61 | 57 | 54 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |    |    |    |    |    | 32 |  |   |
| 3   | 80  | 70  | 62  | 56  | 73 | 64 | 58 | 52 | 54 | 49 | 45 | 44 | 41 | 38 | 35 | 33 | 31 | 26 |    |    |    |    |    | 26 |  |   |
| 4   | 73  | 62  | 54  | 47  | 66 | 57 | 50 | 44 | 48 | 42 | 38 | 39 | 35 | 32 | 32 | 29 | 26 | 22 |    |    |    |    |    | 22 |  |   |
| 5   | 67  | 55  | 47  | 40  | 61 | 51 | 43 | 38 | 43 | 37 | 33 | 35 | 31 | 28 | 28 | 25 | 23 | 19 |    |    |    |    |    | 19 |  |   |
| 6   | 61  | 49  | 41  | 35  | 56 | 45 | 38 | 33 | 38 | 33 | 28 | 32 | 27 | 24 | 26 | 22 | 20 | 17 |    |    |    |    |    | 17 |  |   |
| 7   | 57  | 44  | 36  | 31  | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 29 | 25 | 21 | 23 | 20 | 18 | 15 |    |    |    |    |    | 15 |  |   |
| 8   | 53  | 40  | 32  | 27  | 48 | 37 | 30 | 25 | 32 | 26 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | 13 |    |    |    |    |    | 13 |  |   |
| 9   | 49  | 37  | 29  | 24  | 45 | 34 | 27 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |    |    |    |    |    | 12 |  |   |
| 10  | 46  | 34  | 26  | 21  | 42 | 31 | 25 | 20 | 27 | 21 | 18 | 22 | 18 | 15 | 18 | 15 | 13 | 11 |    |    |    |    |    | 11 |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 6841 | 6841 | 6841 |
| 5°  | 6855 | 6715 | 6737 |
| 10° | 6806 | 6595 | 6585 |
| 15° | 6726 | 6452 | 6393 |
| 20° | 6616 | 6274 | 6201 |
| 25° | 6486 | 6084 | 5964 |
| 30° | 6329 | 5876 | 5749 |
| 35° | 6182 | 5684 | 5552 |
| 40° | 6032 | 5481 | 5353 |
| 45° | 5863 | 5308 | 5178 |
| 50° | 5702 | 5120 | 5022 |
| 55° | 5508 | 4943 | 4839 |
| 60° | 5296 | 4741 | 4653 |
| 65° | 5075 | 4530 | 4443 |
| 70° | 4822 | 4240 | 4228 |
| 75° | 4425 | 3962 | 3962 |
| 80° | 3905 | 3625 | 3673 |
| 85° | 3417 | 3398 | 3583 |



TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-D

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.2  | 1.5       |
| 10°-20°   | 284.4  | 4.4       |
| 20°-30°   | 422.9  | 6.5       |
| 30°-40°   | 500.9  | 7.7       |
| 40°-50°   | 517.9  | 7.9       |
| 50°-60°   | 477.1  | 7.3       |
| 60°-70°   | 385.7  | 5.9       |
| 70°-80°   | 258.3  | 4.0       |
| 80°-90°   | 136.1  | 2.1       |
| 90°-100°  | 113.5  | 1.7       |
| 100°-110° | 291.7  | 4.5       |
| 110°-120° | 465.7  | 7.1       |
| 120°-130° | 571.0  | 8.8       |
| 130°-140° | 600.7  | 9.2       |
| 140°-150° | 557.1  | 8.5       |
| 150°-160° | 449.2  | 6.9       |
| 160°-170° | 290.5  | 4.5       |
| 170°-180° | 100.2  | 1.5       |
| 0°-30°    | 807.4  | 12.4      |
| 0°-40°    | 1308.3 | 20.1      |
| 0°-60°    | 2303.3 | 35.3      |
| 0°-90°    | 3083.4 | 47.3      |
| 90°-120°  | 870.8  | 13.4      |
| 90°-150°  | 2599.7 | 39.9      |
| 90°-180°  | 3440.0 | 52.7      |
| 0°-180°   | 6523.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1059 | 1059  | 1059 | 1059  | 1059 |      |
| 5°   | 1059 | 1057  | 1050 | 1058  | 1057 | 100  |
| 15°  | 1012 | 1012  | 1005 | 1011  | 1007 | 285  |
| 25°  | 919  | 922   | 916  | 920   | 915  | 423  |
| 35°  | 796  | 802   | 800  | 803   | 803  | 498  |
| 45°  | 655  | 666   | 672  | 679   | 680  | 506  |
| 55°  | 504  | 520   | 537  | 548   | 552  | 450  |
| 65°  | 347  | 371   | 396  | 411   | 415  | 344  |
| 75°  | 191  | 218   | 251  | 271   | 277  | 203  |
| 85°  | 57   | 92    | 128  | 150   | 159  | 61   |
| 90°  | 17   | 57    | 98   | 124   | 135  | 13   |
| 95°  | 58   | 82    | 88   | 114   | 122  | 67   |
| 105° | 239  | 260   | 290  | 310   | 317  | 254  |
| 115° | 438  | 450   | 477  | 492   | 494  | 434  |
| 125° | 618  | 623   | 643  | 656   | 660  | 552  |
| 135° | 768  | 771   | 777  | 788   | 790  | 592  |
| 145° | 889  | 889   | 889  | 895   | 895  | 555  |
| 155° | 978  | 973   | 974  | 976   | 970  | 450  |
| 165° | 1032 | 1027  | 1028 | 1032  | 1026 | 291  |
| 175° | 1055 | 1051  | 1051 | 1057  | 1050 | 100  |
| 180° | 1055 | 1055  | 1055 | 1055  | 1055 |      |



TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 |
| 2.5°   | 1061.8 | 1061.5 | 1061.1 | 1060.7 | 1060.3 | 1059.5 | 1058.2 | 1056.9 | 1055.6 | 1054.3 | 1055.6 |
| 5°     | 1059.3 | 1058.9 | 1058.4 | 1057.9 | 1057.5 | 1056.4 | 1054.8 | 1053.2 | 1051.6 | 1050.0 | 1051.8 |
| 7.5°   | 1050.0 | 1049.8 | 1049.6 | 1049.4 | 1049.2 | 1048.3 | 1046.7 | 1045.0 | 1043.3 | 1041.7 | 1043.3 |
| 10°    | 1041.7 | 1041.7 | 1041.7 | 1041.7 | 1041.7 | 1040.8 | 1038.9 | 1037.1 | 1035.2 | 1033.4 | 1035.0 |
| 12.5°  | 1030.0 | 1030.2 | 1030.4 | 1030.6 | 1030.8 | 1030.1 | 1028.7 | 1027.2 | 1025.7 | 1024.2 | 1025.5 |
| 15°    | 1011.6 | 1011.8 | 1012.0 | 1012.2 | 1012.5 | 1011.8 | 1010.2 | 1008.6 | 1006.9 | 1005.3 | 1006.7 |
| 17.5°  | 987.5  | 987.9  | 988.4  | 988.8  | 989.3  | 988.7  | 987.1  | 985.5  | 983.9  | 982.3  | 983.3  |
| 20°    | 970.0  | 970.5  | 970.9  | 971.4  | 971.9  | 971.3  | 969.7  | 968.1  | 966.4  | 964.8  | 965.5  |
| 22.5°  | 950.1  | 950.9  | 951.7  | 952.6  | 953.4  | 952.9  | 951.1  | 949.3  | 947.5  | 945.7  | 946.6  |
| 25°    | 919.1  | 919.8  | 920.5  | 921.2  | 921.9  | 921.5  | 920.2  | 918.8  | 917.4  | 916.0  | 916.9  |
| 27.5°  | 884.6  | 885.7  | 886.7  | 887.7  | 888.7  | 888.4  | 886.9  | 885.3  | 883.7  | 882.2  | 882.8  |
| 30°    | 858.9  | 860.3  | 861.7  | 863.0  | 864.4  | 864.4  | 863.0  | 861.7  | 860.3  | 858.9  | 859.4  |
| 32.5°  | 835.6  | 836.8  | 838.0  | 839.2  | 840.4  | 840.5  | 839.5  | 838.5  | 837.5  | 836.5  | 836.9  |
| 35°    | 795.5  | 797.2  | 798.8  | 800.4  | 802.0  | 802.5  | 801.8  | 801.1  | 800.4  | 799.7  | 800.4  |
| 37.5°  | 755.4  | 756.9  | 758.4  | 759.9  | 761.4  | 762.0  | 761.7  | 761.5  | 761.3  | 761.1  | 762.0  |
| 40°    | 728.0  | 729.9  | 731.7  | 733.6  | 735.4  | 736.2  | 736.0  | 735.8  | 735.5  | 735.3  | 736.2  |
| 42.5°  | 698.1  | 700.5  | 702.9  | 705.3  | 707.7  | 709.2  | 709.7  | 710.2  | 710.7  | 711.2  | 712.3  |
| 45°    | 655.3  | 657.9  | 660.4  | 662.9  | 665.5  | 667.3  | 668.5  | 669.6  | 670.8  | 671.9  | 673.6  |
| 47.5°  | 611.5  | 613.9  | 616.2  | 618.6  | 620.9  | 623.1  | 625.1  | 627.1  | 629.0  | 631.0  | 633.4  |
| 50°    | 581.6  | 584.1  | 586.7  | 589.2  | 591.7  | 594.3  | 596.8  | 599.4  | 601.9  | 604.4  | 607.0  |
| 52.5°  | 550.0  | 553.1  | 556.2  | 559.3  | 562.4  | 565.5  | 568.6  | 571.7  | 574.8  | 577.9  | 580.6  |
| 55°    | 503.7  | 507.4  | 511.1  | 514.8  | 518.5  | 522.2  | 525.9  | 529.6  | 533.2  | 536.9  | 539.5  |
| 57.5°  | 456.3  | 460.8  | 465.2  | 469.6  | 474.1  | 478.4  | 482.7  | 486.9  | 491.1  | 495.4  | 498.3  |
| 60°    | 424.8  | 429.4  | 434.0  | 438.6  | 443.2  | 447.9  | 452.5  | 457.1  | 461.7  | 466.3  | 469.8  |
| 62.5°  | 394.0  | 398.6  | 403.3  | 407.9  | 412.5  | 417.3  | 422.3  | 427.3  | 432.2  | 437.2  | 441.1  |
| 65°    | 346.9  | 352.2  | 357.5  | 362.8  | 368.1  | 373.5  | 379.1  | 384.6  | 390.2  | 395.7  | 399.2  |
| 67.5°  | 302.4  | 307.6  | 312.7  | 317.8  | 322.9  | 328.3  | 333.9  | 339.6  | 345.2  | 350.8  | 355.0  |
| 70°    | 270.0  | 275.3  | 280.6  | 286.0  | 291.3  | 296.9  | 302.9  | 308.9  | 314.9  | 320.9  | 325.3  |
| 72.5°  | 238.5  | 243.9  | 249.4  | 254.9  | 260.4  | 266.4  | 273.0  | 279.6  | 286.1  | 292.7  | 297.4  |
| 75°    | 191.1  | 197.1  | 203.1  | 209.1  | 215.1  | 221.8  | 229.2  | 236.6  | 243.9  | 251.3  | 255.9  |
| 77.5°  | 145.6  | 152.5  | 159.5  | 166.4  | 173.3  | 180.3  | 187.4  | 194.5  | 201.6  | 208.8  | 213.8  |
| 80°    | 117.4  | 124.3  | 131.2  | 138.1  | 145.1  | 152.4  | 160.3  | 168.1  | 176.0  | 183.8  | 188.9  |
| 82.5°  | 91.6   | 98.9   | 106.2  | 113.5  | 120.8  | 128.4  | 136.5  | 144.5  | 152.5  | 160.6  | 165.5  |
| 85°    | 57.1   | 64.7   | 72.4   | 80.0   | 87.6   | 95.4   | 103.5  | 111.6  | 119.7  | 127.7  | 132.8  |
| 87.5°  | 32.6   | 40.2   | 47.9   | 55.5   | 63.2   | 71.1   | 79.2   | 87.3   | 95.4   | 103.5  | 108.9  |
| 90°    | 17.4   | 26.2   | 35.0   | 43.7   | 52.5   | 61.4   | 70.5   | 79.5   | 88.6   | 97.7   | 103.9  |
| 92.5°  | 27.0   | 32.9   | 38.7   | 44.6   | 50.4   | 57.9   | 67.0   | 76.1   | 85.2   | 94.4   | 100.3  |
| 95°    | 58.1   | 63.6   | 69.0   | 74.5   | 80.0   | 83.4   | 84.6   | 85.8   | 87.1   | 88.3   | 94.3   |
| 97.5°  | 105.3  | 111.7  | 118.0  | 124.3  | 130.7  | 131.1  | 125.6  | 120.1  | 114.6  | 109.1  | 109.0  |
| 100°   | 142.0  | 147.4  | 152.8  | 158.1  | 163.5  | 170.2  | 178.3  | 186.4  | 194.5  | 202.5  | 181.5  |
| 102.5° | 179.4  | 184.5  | 189.6  | 194.8  | 199.9  | 206.3  | 213.9  | 221.5  | 229.1  | 236.8  | 236.5  |
| 105°   | 239.3  | 243.7  | 248.0  | 252.4  | 256.8  | 262.5  | 269.4  | 276.3  | 283.2  | 290.2  | 294.8  |
| 107.5° | 301.5  | 304.7  | 307.8  | 310.9  | 314.1  | 319.1  | 326.1  | 333.1  | 340.1  | 347.1  | 351.7  |
| 110°   | 342.0  | 344.8  | 347.5  | 350.3  | 353.1  | 357.9  | 364.7  | 371.5  | 378.3  | 385.1  | 389.0  |



TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 380.8  | 383.4  | 386.0  | 388.7  | 391.3  | 395.9  | 402.4  | 408.8  | 415.3  | 421.8  | 425.3  |
| 115°   | 437.9  | 440.4  | 442.9  | 445.4  | 447.9  | 452.2  | 458.4  | 464.5  | 470.7  | 476.9  | 480.3  |
| 117.5° | 497.1  | 498.1  | 499.2  | 500.2  | 501.2  | 504.9  | 511.2  | 517.6  | 523.9  | 530.2  | 533.3  |
| 120°   | 534.6  | 535.2  | 535.7  | 536.2  | 536.7  | 539.9  | 545.7  | 551.5  | 557.4  | 563.2  | 566.8  |
| 122.5° | 567.0  | 567.9  | 568.9  | 569.9  | 570.9  | 574.1  | 579.4  | 584.8  | 590.2  | 595.5  | 598.9  |
| 125°   | 618.1  | 619.0  | 620.0  | 621.0  | 622.0  | 624.8  | 629.4  | 634.0  | 638.7  | 643.3  | 646.3  |
| 127.5° | 666.0  | 666.6  | 667.3  | 667.9  | 668.5  | 670.7  | 674.4  | 678.1  | 681.7  | 685.4  | 688.4  |
| 130°   | 696.0  | 696.6  | 697.3  | 697.9  | 698.6  | 700.6  | 704.0  | 707.4  | 710.8  | 714.2  | 716.9  |
| 132.5° | 725.2  | 726.2  | 727.1  | 728.1  | 729.1  | 730.6  | 732.7  | 734.8  | 736.9  | 739.0  | 742.2  |
| 135°   | 767.7  | 768.5  | 769.3  | 770.1  | 770.9  | 772.0  | 773.3  | 774.5  | 775.8  | 777.1  | 779.7  |
| 137.5° | 806.8  | 807.5  | 808.2  | 808.9  | 809.6  | 810.2  | 810.7  | 811.2  | 811.6  | 812.1  | 814.9  |
| 140°   | 831.6  | 831.9  | 832.3  | 832.6  | 833.0  | 833.2  | 833.2  | 833.3  | 833.3  | 833.4  | 836.3  |
| 142.5° | 854.7  | 854.7  | 854.8  | 854.8  | 854.8  | 855.0  | 855.3  | 855.6  | 855.8  | 856.1  | 858.4  |
| 145°   | 888.7  | 888.8  | 888.9  | 889.0  | 889.1  | 889.2  | 889.2  | 889.2  | 889.2  | 889.2  | 890.5  |
| 147.5° | 917.3  | 917.3  | 917.2  | 917.1  | 917.1  | 917.1  | 917.3  | 917.5  | 917.8  | 918.0  | 918.5  |
| 150°   | 936.1  | 935.8  | 935.4  | 935.1  | 934.7  | 934.7  | 935.1  | 935.4  | 935.8  | 936.1  | 936.5  |
| 152.5° | 954.3  | 953.5  | 952.7  | 952.0  | 951.2  | 951.0  | 951.3  | 951.7  | 952.0  | 952.4  | 952.7  |
| 155°   | 977.6  | 976.5  | 975.5  | 974.4  | 973.4  | 973.0  | 973.4  | 973.7  | 974.1  | 974.4  | 974.9  |
| 157.5° | 995.5  | 994.9  | 994.3  | 993.7  | 993.0  | 992.7  | 992.8  | 992.8  | 992.8  | 992.9  | 993.4  |
| 160°   | 1008.1 | 1007.0 | 1006.0 | 1004.9 | 1003.9 | 1003.5 | 1003.6 | 1003.8 | 1004.0 | 1004.1 | 1004.8 |
| 162.5° | 1018.1 | 1017.0 | 1016.0 | 1014.9 | 1013.9 | 1013.5 | 1013.6 | 1013.8 | 1014.0 | 1014.2 | 1015.1 |
| 165°   | 1031.5 | 1030.5 | 1029.4 | 1028.4 | 1027.3 | 1026.9 | 1027.1 | 1027.3 | 1027.4 | 1027.6 | 1028.7 |
| 167.5° | 1041.5 | 1040.5 | 1039.4 | 1038.3 | 1037.2 | 1036.8 | 1036.9 | 1037.1 | 1037.3 | 1037.5 | 1038.7 |
| 170°   | 1047.2 | 1045.9 | 1044.7 | 1043.5 | 1042.3 | 1041.8 | 1041.9 | 1042.1 | 1042.3 | 1042.5 | 1043.9 |
| 172.5° | 1050.9 | 1049.7 | 1048.5 | 1047.3 | 1046.0 | 1045.6 | 1045.9 | 1046.2 | 1046.5 | 1046.8 | 1048.1 |
| 175°   | 1055.0 | 1053.9 | 1052.9 | 1051.9 | 1050.8 | 1050.4 | 1050.5 | 1050.7 | 1050.9 | 1051.1 | 1052.5 |
| 177.5° | 1056.9 | 1056.0 | 1055.2 | 1054.4 | 1053.5 | 1053.2 | 1053.3 | 1053.4 | 1053.6 | 1053.7 | 1054.7 |
| 180°   | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 |



TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 | 1059.3 |
| 2.5°   | 1056.9 | 1058.2 | 1059.5 | 1060.1 | 1059.9 | 1059.7 | 1059.5 | 1059.3 |
| 5°     | 1053.7 | 1055.5 | 1057.4 | 1058.2 | 1057.9 | 1057.7 | 1057.5 | 1057.3 |
| 7.5°   | 1044.9 | 1046.5 | 1048.1 | 1048.8 | 1048.6 | 1048.4 | 1048.1 | 1047.9 |
| 10°    | 1036.6 | 1038.2 | 1039.8 | 1040.5 | 1040.3 | 1040.1 | 1039.8 | 1039.6 |
| 12.5°  | 1026.7 | 1028.0 | 1029.2 | 1029.5 | 1028.9 | 1028.3 | 1027.7 | 1027.1 |
| 15°    | 1008.1 | 1009.5 | 1010.9 | 1011.1 | 1010.2 | 1009.2 | 1008.3 | 1007.4 |
| 17.5°  | 984.4  | 985.5  | 986.5  | 986.8  | 986.2  | 985.7  | 985.1  | 984.6  |
| 20°    | 966.2  | 966.9  | 967.6  | 967.9  | 967.9  | 967.9  | 967.9  | 967.9  |
| 22.5°  | 947.5  | 948.3  | 949.2  | 949.4  | 948.8  | 948.3  | 947.7  | 947.2  |
| 25°    | 917.9  | 918.8  | 919.7  | 919.6  | 918.4  | 917.3  | 916.1  | 915.0  |
| 27.5°  | 883.4  | 884.1  | 884.7  | 884.9  | 884.4  | 884.0  | 883.6  | 883.2  |
| 30°    | 859.8  | 860.3  | 860.7  | 860.9  | 860.6  | 860.4  | 860.2  | 859.9  |
| 32.5°  | 837.4  | 837.8  | 838.3  | 838.4  | 838.2  | 838.0  | 837.7  | 837.5  |
| 35°    | 801.1  | 801.8  | 802.5  | 802.8  | 802.8  | 802.8  | 802.8  | 802.8  |
| 37.5°  | 762.9  | 763.8  | 764.7  | 765.2  | 765.1  | 765.0  | 764.9  | 764.8  |
| 40°    | 737.1  | 738.1  | 739.0  | 739.7  | 740.1  | 740.6  | 741.1  | 741.5  |
| 42.5°  | 713.4  | 714.5  | 715.6  | 716.2  | 716.3  | 716.4  | 716.5  | 716.6  |
| 45°    | 675.2  | 676.8  | 678.4  | 679.3  | 679.6  | 679.8  | 680.0  | 680.3  |
| 47.5°  | 635.7  | 638.1  | 640.4  | 641.9  | 642.4  | 642.9  | 643.4  | 643.9  |
| 50°    | 609.5  | 612.1  | 614.6  | 616.2  | 616.9  | 617.6  | 618.3  | 619.0  |
| 52.5°  | 583.3  | 586.0  | 588.7  | 590.4  | 590.9  | 591.4  | 591.9  | 592.4  |
| 55°    | 542.0  | 544.6  | 547.1  | 548.8  | 549.7  | 550.7  | 551.6  | 552.5  |
| 57.5°  | 501.2  | 504.1  | 507.0  | 508.8  | 509.5  | 510.2  | 510.9  | 511.6  |
| 60°    | 473.2  | 476.7  | 480.2  | 482.2  | 482.9  | 483.6  | 484.3  | 485.0  |
| 62.5°  | 444.9  | 448.7  | 452.6  | 454.9  | 455.8  | 456.7  | 457.5  | 458.4  |
| 65°    | 402.6  | 406.1  | 409.5  | 411.7  | 412.7  | 413.6  | 414.5  | 415.4  |
| 67.5°  | 359.2  | 363.4  | 367.6  | 370.3  | 371.5  | 372.7  | 373.9  | 375.1  |
| 70°    | 329.7  | 334.1  | 338.5  | 341.3  | 342.7  | 344.1  | 345.5  | 346.9  |
| 72.5°  | 302.2  | 306.9  | 311.7  | 314.6  | 315.6  | 316.6  | 317.6  | 318.6  |
| 75°    | 260.6  | 265.2  | 269.8  | 272.7  | 273.8  | 275.0  | 276.1  | 277.3  |
| 77.5°  | 218.9  | 224.0  | 229.1  | 232.1  | 233.0  | 233.9  | 234.8  | 235.8  |
| 80°    | 194.0  | 199.1  | 204.1  | 207.1  | 208.1  | 209.0  | 209.9  | 210.8  |
| 82.5°  | 170.3  | 175.2  | 180.1  | 183.4  | 185.1  | 186.7  | 188.4  | 190.1  |
| 85°    | 137.9  | 143.0  | 148.1  | 151.5  | 153.4  | 155.2  | 157.1  | 158.9  |
| 87.5°  | 114.4  | 119.9  | 125.4  | 129.0  | 130.7  | 132.4  | 134.1  | 135.9  |
| 90°    | 110.0  | 116.2  | 122.4  | 126.5  | 128.7  | 130.8  | 133.0  | 135.1  |
| 92.5°  | 106.3  | 112.3  | 118.3  | 122.2  | 124.1  | 126.0  | 127.8  | 129.7  |
| 95°    | 100.2  | 106.2  | 112.1  | 115.9  | 117.5  | 119.1  | 120.7  | 122.4  |
| 97.5°  | 109.0  | 108.9  | 108.9  | 109.6  | 111.2  | 112.8  | 114.3  | 115.9  |
| 100°   | 160.4  | 139.4  | 118.4  | 108.2  | 108.9  | 109.6  | 110.2  | 110.9  |
| 102.5° | 236.3  | 236.0  | 235.8  | 230.5  | 220.0  | 209.6  | 199.2  | 188.7  |
| 105°   | 299.4  | 304.0  | 308.6  | 311.7  | 313.1  | 314.5  | 316.0  | 317.4  |
| 107.5° | 356.3  | 360.9  | 365.5  | 368.3  | 369.2  | 370.1  | 371.0  | 371.9  |
| 110°   | 392.8  | 396.7  | 400.5  | 403.4  | 405.2  | 407.0  | 408.7  | 410.5  |





TEST NUMBER: P333226

CATALOG NUMBER: S125DIP-S850D810U835-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 428.9  | 432.4  | 436.0  | 438.4  | 439.8  | 441.2  | 442.5  | 443.9  |
| 115°   | 483.8  | 487.3  | 490.7  | 492.6  | 493.0  | 493.3  | 493.6  | 494.0  |
| 117.5° | 536.3  | 539.3  | 542.3  | 544.4  | 545.5  | 546.6  | 547.7  | 548.9  |
| 120°   | 570.4  | 573.9  | 577.5  | 579.6  | 580.1  | 580.6  | 581.1  | 581.6  |
| 122.5° | 602.3  | 605.7  | 609.1  | 611.0  | 611.4  | 611.7  | 612.1  | 612.5  |
| 125°   | 649.3  | 652.3  | 655.3  | 657.1  | 657.7  | 658.3  | 659.0  | 659.6  |
| 127.5° | 691.5  | 694.5  | 697.5  | 699.1  | 699.1  | 699.2  | 699.2  | 699.3  |
| 130°   | 719.6  | 722.3  | 725.0  | 726.5  | 726.8  | 727.1  | 727.4  | 727.7  |
| 132.5° | 745.3  | 748.4  | 751.5  | 753.2  | 753.3  | 753.4  | 753.5  | 753.6  |
| 135°   | 782.4  | 785.0  | 787.7  | 789.1  | 789.2  | 789.3  | 789.4  | 789.5  |
| 137.5° | 817.7  | 820.5  | 823.3  | 824.7  | 824.7  | 824.7  | 824.7  | 824.8  |
| 140°   | 839.2  | 842.0  | 844.9  | 846.3  | 846.2  | 846.1  | 846.0  | 845.8  |
| 142.5° | 860.6  | 862.8  | 865.1  | 866.1  | 866.0  | 865.9  | 865.8  | 865.7  |
| 145°   | 891.8  | 893.2  | 894.5  | 895.1  | 895.0  | 894.9  | 894.7  | 894.6  |
| 147.5° | 919.1  | 919.7  | 920.3  | 920.1  | 919.3  | 918.5  | 917.6  | 916.8  |
| 150°   | 936.8  | 937.2  | 937.5  | 937.1  | 935.9  | 934.8  | 933.6  | 932.5  |
| 152.5° | 953.1  | 953.4  | 953.8  | 953.3  | 952.1  | 950.9  | 949.7  | 948.5  |
| 155°   | 975.5  | 976.0  | 976.5  | 976.1  | 974.7  | 973.3  | 971.9  | 970.5  |
| 157.5° | 994.0  | 994.6  | 995.1  | 994.7  | 993.3  | 991.9  | 990.5  | 989.1  |
| 160°   | 1005.5 | 1006.2 | 1006.9 | 1006.6 | 1005.2 | 1003.8 | 1002.4 | 1001.0 |
| 162.5° | 1016.1 | 1017.1 | 1018.0 | 1017.8 | 1016.2 | 1014.7 | 1013.2 | 1011.7 |
| 165°   | 1029.7 | 1030.7 | 1031.8 | 1031.6 | 1030.2 | 1028.8 | 1027.4 | 1026.0 |
| 167.5° | 1040.0 | 1041.2 | 1042.5 | 1042.3 | 1040.7 | 1039.2 | 1037.6 | 1036.1 |
| 170°   | 1045.2 | 1046.6 | 1048.0 | 1047.9 | 1046.4 | 1044.8 | 1043.2 | 1041.7 |
| 172.5° | 1049.3 | 1050.6 | 1051.9 | 1051.7 | 1050.1 | 1048.6 | 1047.0 | 1045.4 |
| 175°   | 1053.8 | 1055.2 | 1056.6 | 1056.5 | 1055.0 | 1053.4 | 1051.9 | 1050.3 |
| 177.5° | 1055.7 | 1056.6 | 1057.6 | 1057.6 | 1056.4 | 1055.3 | 1054.2 | 1053.1 |
| 180°   | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 | 1055.0 |

(END OF REPORT)