

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: P331315-935

Luminaire Tested: **S122DIP-S485D925U935-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331315-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S485D925U935-4F0-1E-UDD-D
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4880.1 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

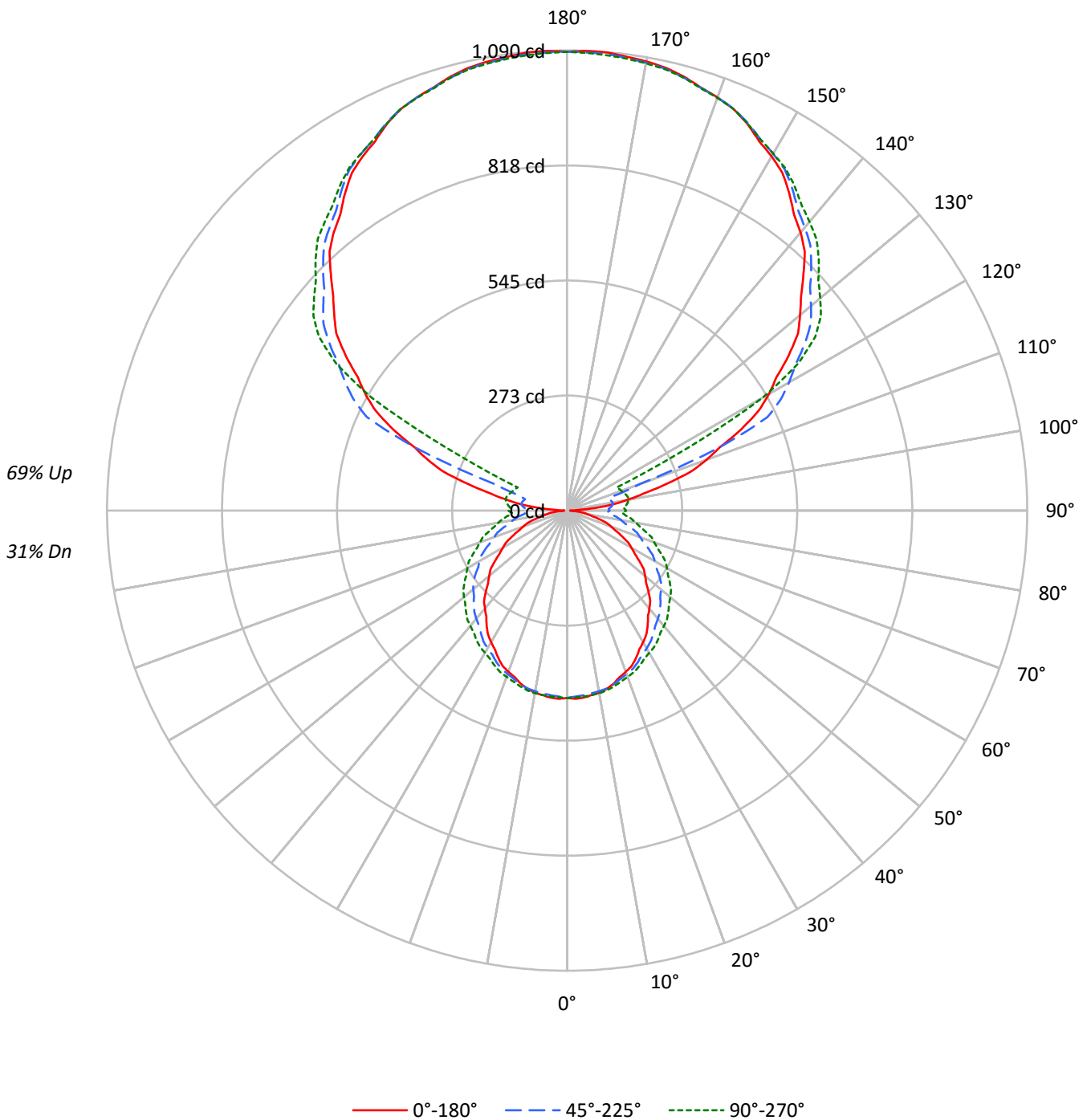
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-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 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 39 | 39 | 39 | 31 |
| 1 | 93 | 88 | 84 | 80 | 83 | 79 | 76 | 72 | 62 | 60 | 58 | 47 | 45 | 44 | 33 | 32 | 31 | 24 |
| 2 | 84 | 76 | 70 | 65 | 75 | 68 | 63 | 59 | 54 | 50 | 47 | 41 | 38 | 36 | 28 | 26 | 25 | 19 |
| 3 | 76 | 67 | 59 | 53 | 68 | 60 | 54 | 48 | 47 | 43 | 39 | 35 | 32 | 30 | 25 | 23 | 21 | 16 |
| 4 | 70 | 59 | 51 | 45 | 62 | 53 | 46 | 41 | 42 | 37 | 33 | 31 | 28 | 25 | 22 | 20 | 18 | 13 |
| 5 | 64 | 52 | 44 | 38 | 57 | 47 | 40 | 35 | 37 | 32 | 28 | 28 | 24 | 22 | 19 | 17 | 15 | 12 |
| 6 | 58 | 46 | 38 | 33 | 52 | 42 | 35 | 30 | 33 | 28 | 24 | 25 | 21 | 19 | 18 | 15 | 13 | 10 |
| 7 | 54 | 42 | 34 | 28 | 48 | 38 | 31 | 26 | 30 | 25 | 21 | 23 | 19 | 16 | 16 | 14 | 12 | 9 |
| 8 | 50 | 38 | 30 | 25 | 45 | 34 | 27 | 23 | 27 | 22 | 19 | 21 | 17 | 14 | 15 | 12 | 10 | 8 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 25 | 20 | 25 | 20 | 16 | 19 | 15 | 13 | 13 | 11 | 9 | 7 |
| 10 | 43 | 31 | 24 | 19 | 39 | 28 | 22 | 18 | 23 | 18 | 15 | 17 | 14 | 12 | 12 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7164 | 7164 | 7164 |
| 5° | 7199 | 6896 | 6870 |
| 10° | 7153 | 6692 | 6617 |
| 15° | 7055 | 6477 | 6350 |
| 20° | 6930 | 6245 | 6094 |
| 25° | 6807 | 6022 | 5862 |
| 30° | 6634 | 5793 | 5628 |
| 35° | 6458 | 5572 | 5464 |
| 40° | 6275 | 5384 | 5299 |
| 45° | 6100 | 5215 | 5159 |
| 50° | 5912 | 5062 | 5019 |
| 55° | 5713 | 4898 | 4878 |
| 60° | 5473 | 4730 | 4729 |
| 65° | 5222 | 4530 | 4552 |
| 70° | 4938 | 4315 | 4361 |
| 75° | 4578 | 4106 | 4186 |
| 80° | 4008 | 3889 | 4005 |
| 85° | 3471 | 3705 | 3868 |



TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.0 | 0.9 |
| 10°-20° | 120.6 | 2.5 |
| 20°-30° | 182.7 | 3.7 |
| 30°-40° | 222.5 | 4.6 |
| 40°-50° | 239.4 | 4.9 |
| 50°-60° | 232.5 | 4.8 |
| 60°-70° | 203.0 | 4.2 |
| 70°-80° | 156.3 | 3.2 |
| 80°-90° | 107.6 | 2.2 |
| 90°-100° | 108.5 | 2.2 |
| 100°-110° | 185.7 | 3.8 |
| 110°-120° | 390.2 | 8.0 |
| 120°-130° | 606.0 | 12.4 |
| 130°-140° | 632.0 | 13.0 |
| 140°-150° | 581.2 | 11.9 |
| 150°-160° | 466.2 | 9.6 |
| 160°-170° | 300.4 | 6.2 |
| 170°-180° | 103.4 | 2.1 |
| 0°-30° | 345.3 | 7.1 |
| 0°-40° | 567.8 | 11.6 |
| 0°-60° | 1039.7 | 21.3 |
| 0°-90° | 1506.5 | 30.9 |
| 90°-120° | 684.4 | 14.0 |
| 90°-150° | 2503.6 | 51.3 |
| 90°-180° | 3374.0 | 69.1 |
| 0°-180° | 4880.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 444 | 444 | 444 | 444 | 444 | |
| 5° | 445 | 443 | 439 | 443 | 442 | 42 |
| 15° | 424 | 426 | 426 | 431 | 431 | 119 |
| 25° | 386 | 390 | 396 | 404 | 406 | 177 |
| 35° | 332 | 343 | 356 | 369 | 374 | 208 |
| 45° | 273 | 290 | 312 | 332 | 339 | 210 |
| 55° | 209 | 233 | 266 | 288 | 297 | 187 |
| 65° | 143 | 175 | 212 | 238 | 247 | 142 |
| 75° | 79 | 115 | 156 | 183 | 192 | 84 |
| 85° | 23 | 63 | 104 | 130 | 140 | 25 |
| 90° | 7 | 53 | 101 | 129 | 140 | 7 |
| 95° | 56 | 63 | 105 | 132 | 140 | 67 |
| 105° | 242 | 272 | 103 | 133 | 145 | 259 |
| 115° | 455 | 477 | 524 | 195 | 129 | 447 |
| 125° | 641 | 652 | 686 | 708 | 717 | 571 |
| 135° | 792 | 804 | 818 | 838 | 843 | 611 |
| 145° | 918 | 918 | 930 | 939 | 939 | 574 |
| 155° | 1010 | 1004 | 1013 | 1017 | 1011 | 465 |
| 165° | 1065 | 1060 | 1062 | 1067 | 1062 | 301 |
| 175° | 1089 | 1084 | 1085 | 1090 | 1083 | 104 |
| 180° | 1087 | 1087 | 1087 | 1087 | 1087 | |



TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 |
| 2.5° | 446.3 | 445.9 | 445.6 | 445.2 | 444.9 | 444.3 | 443.5 | 442.7 | 442.0 | 441.1 | 441.7 |
| 5° | 445.0 | 444.5 | 444.1 | 443.7 | 443.2 | 442.6 | 441.8 | 440.9 | 440.1 | 439.2 | 440.1 |
| 7.5° | 441.0 | 440.7 | 440.4 | 440.1 | 439.9 | 439.4 | 438.7 | 438.1 | 437.4 | 436.7 | 437.7 |
| 10° | 437.9 | 437.6 | 437.3 | 437.0 | 436.8 | 436.4 | 436.0 | 435.6 | 435.1 | 434.7 | 435.8 |
| 12.5° | 432.7 | 432.8 | 432.9 | 432.9 | 433.0 | 432.8 | 432.6 | 432.2 | 431.9 | 431.6 | 432.7 |
| 15° | 424.4 | 424.6 | 425.0 | 425.2 | 425.5 | 425.7 | 425.7 | 425.7 | 425.7 | 425.7 | 427.0 |
| 17.5° | 413.6 | 414.2 | 414.8 | 415.4 | 416.0 | 416.6 | 417.0 | 417.4 | 417.9 | 418.4 | 419.7 |
| 20° | 406.4 | 407.1 | 407.9 | 408.5 | 409.2 | 409.9 | 410.4 | 411.0 | 411.6 | 412.2 | 413.7 |
| 22.5° | 398.6 | 399.5 | 400.4 | 401.1 | 402.0 | 402.8 | 403.6 | 404.4 | 405.2 | 406.0 | 407.6 |
| 25° | 385.8 | 386.8 | 387.8 | 388.8 | 389.8 | 391.0 | 392.3 | 393.6 | 394.9 | 396.1 | 397.8 |
| 27.5° | 370.4 | 372.0 | 373.7 | 375.3 | 376.9 | 378.5 | 380.0 | 381.5 | 383.0 | 384.5 | 386.7 |
| 30° | 360.1 | 362.0 | 363.8 | 365.7 | 367.6 | 369.4 | 371.3 | 373.1 | 375.0 | 376.8 | 379.1 |
| 32.5° | 348.8 | 350.9 | 352.9 | 355.1 | 357.1 | 359.3 | 361.4 | 363.7 | 365.8 | 368.1 | 370.7 |
| 35° | 332.4 | 334.8 | 337.3 | 339.8 | 342.2 | 344.7 | 347.4 | 350.2 | 352.8 | 355.6 | 358.7 |
| 37.5° | 314.7 | 317.5 | 320.3 | 323.1 | 325.9 | 329.1 | 332.6 | 336.0 | 339.6 | 343.1 | 346.6 |
| 40° | 302.9 | 306.0 | 309.2 | 312.3 | 315.5 | 318.9 | 322.8 | 326.7 | 330.5 | 334.4 | 338.1 |
| 42.5° | 291.5 | 294.7 | 297.8 | 301.0 | 304.1 | 307.9 | 312.4 | 316.8 | 321.2 | 325.6 | 329.7 |
| 45° | 272.7 | 276.5 | 280.3 | 284.2 | 288.1 | 292.5 | 297.5 | 302.5 | 307.5 | 312.5 | 316.9 |
| 47.5° | 254.0 | 258.2 | 262.4 | 266.6 | 270.8 | 275.9 | 281.7 | 287.6 | 293.4 | 299.3 | 303.9 |
| 50° | 241.2 | 245.6 | 250.0 | 254.4 | 258.8 | 264.2 | 270.7 | 277.2 | 283.6 | 290.0 | 294.9 |
| 52.5° | 228.8 | 233.4 | 238.1 | 242.8 | 247.5 | 253.1 | 259.9 | 266.7 | 273.5 | 280.3 | 285.2 |
| 55° | 209.0 | 214.1 | 219.3 | 224.4 | 229.5 | 235.8 | 243.3 | 250.7 | 258.1 | 265.5 | 270.7 |
| 57.5° | 189.4 | 195.3 | 201.0 | 206.8 | 212.7 | 219.3 | 226.9 | 234.5 | 242.0 | 249.6 | 255.2 |
| 60° | 175.6 | 181.7 | 187.9 | 194.0 | 200.1 | 207.2 | 215.4 | 223.5 | 231.7 | 239.9 | 245.3 |
| 62.5° | 163.2 | 169.5 | 176.0 | 182.4 | 188.7 | 196.0 | 204.1 | 212.2 | 220.4 | 228.5 | 234.3 |
| 65° | 142.8 | 149.7 | 156.8 | 163.8 | 170.7 | 178.5 | 186.9 | 195.4 | 203.8 | 212.2 | 218.1 |
| 67.5° | 124.0 | 131.3 | 138.6 | 145.9 | 153.3 | 161.2 | 169.9 | 178.5 | 187.1 | 195.7 | 201.6 |
| 70° | 110.6 | 118.0 | 125.4 | 132.9 | 140.3 | 148.4 | 157.3 | 166.2 | 175.0 | 183.9 | 190.0 |
| 72.5° | 98.2 | 105.9 | 113.6 | 121.2 | 128.9 | 137.2 | 146.2 | 155.2 | 164.1 | 173.1 | 179.2 |
| 75° | 79.1 | 87.1 | 95.1 | 103.1 | 111.1 | 119.7 | 128.8 | 137.9 | 147.1 | 156.3 | 162.4 |
| 77.5° | 60.6 | 69.0 | 77.3 | 85.7 | 94.1 | 102.9 | 112.2 | 121.5 | 130.8 | 140.1 | 146.2 |
| 80° | 48.2 | 56.9 | 65.7 | 74.4 | 83.1 | 92.1 | 101.4 | 110.6 | 119.9 | 129.2 | 135.3 |
| 82.5° | 38.0 | 46.6 | 55.1 | 63.7 | 72.3 | 81.4 | 90.7 | 100.1 | 109.5 | 119.0 | 124.9 |
| 85° | 23.2 | 32.0 | 40.9 | 49.8 | 58.5 | 67.6 | 76.7 | 85.8 | 95.1 | 104.2 | 110.2 |
| 87.5° | 12.7 | 21.7 | 30.6 | 39.4 | 48.4 | 57.5 | 67.0 | 76.4 | 85.8 | 95.2 | 101.3 |
| 90° | 7.2 | 17.4 | 27.6 | 37.9 | 48.0 | 58.5 | 69.0 | 79.6 | 90.1 | 100.6 | 107.2 |
| 92.5° | 21.8 | 29.4 | 36.9 | 44.4 | 52.0 | 60.5 | 70.0 | 79.5 | 89.0 | 98.5 | 104.5 |
| 95° | 56.2 | 57.2 | 58.1 | 59.1 | 60.0 | 65.4 | 75.3 | 85.0 | 94.8 | 104.6 | 110.9 |
| 97.5° | 105.9 | 95.7 | 85.4 | 75.1 | 64.8 | 65.2 | 76.3 | 87.3 | 98.4 | 109.4 | 115.5 |
| 100° | 143.7 | 125.0 | 106.4 | 87.7 | 69.1 | 65.3 | 76.2 | 87.2 | 98.2 | 109.1 | 115.8 |
| 102.5° | 184.7 | 184.4 | 184.3 | 184.0 | 183.7 | 175.0 | 158.0 | 140.9 | 123.9 | 106.8 | 113.7 |
| 105° | 242.3 | 251.7 | 261.1 | 270.4 | 279.8 | 264.3 | 224.1 | 183.8 | 143.5 | 103.2 | 110.2 |
| 107.5° | 308.7 | 316.2 | 323.7 | 331.3 | 338.8 | 317.5 | 267.4 | 217.4 | 167.3 | 117.2 | 120.0 |
| 110° | 350.9 | 357.5 | 363.9 | 370.5 | 377.0 | 358.5 | 315.0 | 271.6 | 228.1 | 184.5 | 171.7 |



TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 391.2 | 396.8 | 402.5 | 408.1 | 413.8 | 413.7 | 407.9 | 402.1 | 396.2 | 390.5 | 331.2 |
| 115° | 454.7 | 459.3 | 463.8 | 468.4 | 472.9 | 480.5 | 491.4 | 502.1 | 513.0 | 523.7 | 447.1 |
| 117.5° | 510.8 | 515.2 | 519.5 | 523.9 | 528.2 | 534.9 | 543.8 | 552.8 | 561.7 | 570.7 | 555.3 |
| 120° | 552.3 | 555.6 | 558.8 | 562.0 | 565.2 | 571.2 | 580.1 | 588.9 | 597.8 | 606.6 | 612.7 |
| 122.5° | 587.6 | 590.6 | 593.6 | 596.6 | 599.6 | 605.5 | 614.2 | 623.0 | 631.9 | 640.7 | 645.8 |
| 125° | 640.6 | 642.8 | 645.1 | 647.4 | 649.7 | 654.8 | 662.6 | 670.5 | 678.5 | 686.3 | 691.4 |
| 127.5° | 689.1 | 691.6 | 694.0 | 696.3 | 698.7 | 702.9 | 709.1 | 715.3 | 721.4 | 727.6 | 733.0 |
| 130° | 720.0 | 722.6 | 725.3 | 728.0 | 730.6 | 734.4 | 739.3 | 744.2 | 749.2 | 754.1 | 759.5 |
| 132.5° | 751.5 | 753.7 | 756.0 | 758.2 | 760.4 | 763.6 | 767.8 | 772.1 | 776.4 | 780.6 | 785.6 |
| 135° | 791.7 | 794.5 | 797.3 | 800.1 | 802.9 | 805.8 | 808.8 | 811.8 | 814.8 | 817.8 | 822.5 |
| 137.5° | 833.1 | 835.0 | 836.9 | 838.9 | 840.8 | 842.9 | 845.3 | 847.7 | 850.2 | 852.6 | 857.0 |
| 140° | 860.1 | 861.3 | 862.6 | 863.8 | 865.1 | 866.9 | 869.1 | 871.2 | 873.5 | 875.7 | 879.6 |
| 142.5° | 882.8 | 883.9 | 885.0 | 886.1 | 887.3 | 888.9 | 891.1 | 893.5 | 895.7 | 897.9 | 901.2 |
| 145° | 917.7 | 917.5 | 917.3 | 917.1 | 917.0 | 918.3 | 921.4 | 924.3 | 927.3 | 930.2 | 932.3 |
| 147.5° | 948.6 | 948.0 | 947.4 | 946.7 | 946.0 | 947.1 | 950.0 | 953.0 | 956.0 | 958.9 | 959.9 |
| 150° | 968.8 | 967.6 | 966.3 | 965.1 | 963.9 | 964.7 | 967.5 | 970.3 | 973.1 | 975.9 | 976.9 |
| 152.5° | 985.8 | 984.4 | 983.0 | 981.7 | 980.3 | 980.9 | 983.6 | 986.3 | 988.9 | 991.6 | 992.6 |
| 155° | 1010.5 | 1008.9 | 1007.3 | 1005.7 | 1004.2 | 1004.4 | 1006.5 | 1008.7 | 1010.7 | 1012.8 | 1013.8 |
| 157.5° | 1029.8 | 1028.5 | 1027.2 | 1025.8 | 1024.5 | 1024.6 | 1026.1 | 1027.5 | 1029.0 | 1030.4 | 1031.7 |
| 160° | 1041.1 | 1040.1 | 1039.1 | 1037.9 | 1036.9 | 1036.9 | 1037.9 | 1039.1 | 1040.1 | 1041.1 | 1042.2 |
| 162.5° | 1051.2 | 1050.2 | 1049.1 | 1048.0 | 1047.0 | 1046.9 | 1047.8 | 1048.7 | 1049.6 | 1050.6 | 1051.7 |
| 165° | 1064.7 | 1063.7 | 1062.6 | 1061.5 | 1060.5 | 1060.2 | 1060.8 | 1061.3 | 1061.9 | 1062.4 | 1063.6 |
| 167.5° | 1074.8 | 1073.8 | 1072.7 | 1071.6 | 1070.6 | 1070.3 | 1070.8 | 1071.3 | 1071.8 | 1072.3 | 1073.5 |
| 170° | 1080.5 | 1079.3 | 1078.3 | 1077.3 | 1076.2 | 1075.9 | 1076.2 | 1076.6 | 1076.9 | 1077.3 | 1078.5 |
| 172.5° | 1084.2 | 1083.1 | 1082.1 | 1081.1 | 1080.0 | 1079.7 | 1080.0 | 1080.4 | 1080.7 | 1081.1 | 1082.3 |
| 175° | 1089.1 | 1087.9 | 1086.7 | 1085.4 | 1084.2 | 1083.7 | 1084.1 | 1084.4 | 1084.8 | 1085.1 | 1086.4 |
| 177.5° | 1089.9 | 1088.9 | 1088.0 | 1086.9 | 1086.0 | 1085.5 | 1085.7 | 1085.8 | 1086.0 | 1086.1 | 1087.1 |
| 180° | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 |



TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 | 443.7 |
| 2.5° | 442.3 | 442.8 | 443.4 | 443.6 | 443.3 | 443.2 | 442.9 | 442.6 |
| 5° | 440.9 | 441.8 | 442.6 | 443.0 | 442.8 | 442.7 | 442.6 | 442.4 |
| 7.5° | 438.8 | 439.8 | 440.8 | 441.3 | 441.2 | 441.0 | 440.8 | 440.7 |
| 10° | 437.0 | 438.1 | 439.3 | 439.8 | 439.6 | 439.5 | 439.4 | 439.2 |
| 12.5° | 433.9 | 435.1 | 436.2 | 436.7 | 436.5 | 436.4 | 436.3 | 436.1 |
| 15° | 428.3 | 429.6 | 430.8 | 431.4 | 431.3 | 431.1 | 430.9 | 430.8 |
| 17.5° | 421.0 | 422.4 | 423.7 | 424.4 | 424.4 | 424.4 | 424.4 | 424.4 |
| 20° | 415.3 | 416.9 | 418.4 | 419.2 | 419.2 | 419.2 | 419.2 | 419.2 |
| 22.5° | 409.1 | 410.7 | 412.3 | 413.2 | 413.5 | 413.6 | 413.9 | 414.1 |
| 25° | 399.5 | 401.2 | 402.9 | 404.1 | 404.5 | 404.9 | 405.4 | 405.8 |
| 27.5° | 388.9 | 391.1 | 393.2 | 394.4 | 394.8 | 395.1 | 395.4 | 395.7 |
| 30° | 381.4 | 383.7 | 386.0 | 387.3 | 387.7 | 388.1 | 388.6 | 389.0 |
| 32.5° | 373.3 | 375.9 | 378.6 | 380.3 | 381.1 | 381.9 | 382.6 | 383.4 |
| 35° | 361.9 | 365.1 | 368.2 | 370.2 | 371.3 | 372.2 | 373.2 | 374.3 |
| 37.5° | 350.1 | 353.6 | 357.1 | 359.3 | 360.4 | 361.4 | 362.5 | 363.6 |
| 40° | 341.8 | 345.5 | 349.2 | 351.7 | 353.0 | 354.3 | 355.6 | 356.9 |
| 42.5° | 333.7 | 337.8 | 341.8 | 344.6 | 345.8 | 347.1 | 348.4 | 349.7 |
| 45° | 321.4 | 325.8 | 330.2 | 333.1 | 334.6 | 336.0 | 337.4 | 338.9 |
| 47.5° | 308.5 | 313.1 | 317.8 | 320.9 | 322.4 | 324.0 | 325.6 | 327.2 |
| 50° | 299.7 | 304.5 | 309.4 | 312.6 | 314.3 | 315.8 | 317.4 | 318.9 |
| 52.5° | 290.2 | 295.2 | 300.1 | 303.4 | 305.1 | 306.9 | 308.5 | 310.2 |
| 55° | 275.9 | 281.0 | 286.1 | 289.6 | 291.5 | 293.3 | 295.2 | 297.0 |
| 57.5° | 260.7 | 266.2 | 271.8 | 275.5 | 277.4 | 279.3 | 281.2 | 283.1 |
| 60° | 250.7 | 256.1 | 261.6 | 265.3 | 267.3 | 269.3 | 271.3 | 273.3 |
| 62.5° | 240.0 | 245.8 | 251.6 | 255.5 | 257.4 | 259.2 | 261.1 | 263.0 |
| 65° | 223.9 | 229.8 | 235.7 | 239.5 | 241.3 | 243.2 | 245.0 | 246.9 |
| 67.5° | 207.6 | 213.4 | 219.4 | 223.3 | 225.2 | 227.2 | 229.2 | 231.1 |
| 70° | 196.2 | 202.3 | 208.4 | 212.4 | 214.1 | 215.9 | 217.6 | 219.3 |
| 72.5° | 185.2 | 191.2 | 197.3 | 201.3 | 203.3 | 205.3 | 207.4 | 209.5 |
| 75° | 168.6 | 174.7 | 180.8 | 184.9 | 186.7 | 188.6 | 190.4 | 192.3 |
| 77.5° | 152.3 | 158.4 | 164.5 | 168.6 | 170.6 | 172.5 | 174.6 | 176.6 |
| 80° | 141.3 | 147.2 | 153.3 | 157.2 | 159.3 | 161.3 | 163.2 | 165.2 |
| 82.5° | 131.0 | 137.0 | 142.9 | 146.9 | 148.8 | 150.7 | 152.6 | 154.5 |
| 85° | 116.1 | 122.2 | 128.2 | 132.2 | 134.1 | 136.2 | 138.2 | 140.2 |
| 87.5° | 107.2 | 113.2 | 119.2 | 123.2 | 125.1 | 127.0 | 128.9 | 130.8 |
| 90° | 113.8 | 120.4 | 127.0 | 131.3 | 133.4 | 135.4 | 137.5 | 139.6 |
| 92.5° | 110.6 | 116.7 | 122.7 | 126.7 | 128.6 | 130.5 | 132.5 | 134.4 |
| 95° | 117.2 | 123.6 | 129.8 | 133.7 | 135.3 | 136.8 | 138.4 | 139.9 |
| 97.5° | 121.4 | 127.4 | 133.4 | 137.3 | 139.2 | 141.1 | 143.0 | 144.9 |
| 100° | 122.5 | 129.2 | 135.9 | 140.2 | 142.1 | 144.0 | 145.9 | 147.8 |
| 102.5° | 120.8 | 127.8 | 134.7 | 139.3 | 141.3 | 143.4 | 145.4 | 147.5 |
| 105° | 117.1 | 124.1 | 131.0 | 135.5 | 137.8 | 140.1 | 142.4 | 144.6 |
| 107.5° | 122.9 | 125.7 | 128.5 | 131.1 | 133.4 | 135.7 | 137.9 | 140.2 |
| 110° | 158.8 | 145.9 | 132.9 | 127.6 | 129.9 | 132.2 | 134.4 | 136.7 |



TEST NUMBER: P331315-935

CATALOG NUMBER: S122DIP-S485D925U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 272.1 | 212.9 | 153.8 | 125.2 | 127.3 | 129.5 | 131.6 | 133.7 |
| 115° | 370.5 | 293.9 | 217.3 | 173.5 | 162.5 | 151.4 | 140.4 | 129.4 |
| 117.5° | 540.0 | 524.7 | 509.4 | 481.7 | 441.9 | 401.9 | 362.1 | 322.2 |
| 120° | 618.8 | 624.9 | 631.0 | 623.0 | 601.1 | 579.0 | 557.0 | 534.9 |
| 122.5° | 650.9 | 656.1 | 661.2 | 662.2 | 658.9 | 655.7 | 652.5 | 649.2 |
| 125° | 696.5 | 701.5 | 706.6 | 710.1 | 711.9 | 713.7 | 715.5 | 717.3 |
| 127.5° | 738.3 | 743.6 | 748.9 | 752.3 | 753.6 | 755.0 | 756.4 | 757.7 |
| 130° | 764.8 | 770.2 | 775.5 | 778.7 | 779.6 | 780.6 | 781.5 | 782.6 |
| 132.5° | 790.5 | 795.5 | 800.4 | 803.4 | 804.3 | 805.3 | 806.2 | 807.3 |
| 135° | 827.3 | 832.1 | 836.8 | 839.6 | 840.3 | 841.1 | 842.0 | 842.7 |
| 137.5° | 861.3 | 865.6 | 870.0 | 872.4 | 872.7 | 873.1 | 873.5 | 873.8 |
| 140° | 883.4 | 887.3 | 891.1 | 893.0 | 893.0 | 893.0 | 893.0 | 893.0 |
| 142.5° | 904.5 | 907.8 | 911.0 | 912.6 | 912.4 | 912.3 | 912.1 | 912.1 |
| 145° | 934.4 | 936.5 | 938.6 | 939.5 | 939.4 | 939.2 | 939.1 | 938.9 |
| 147.5° | 960.9 | 961.9 | 962.9 | 963.3 | 962.9 | 962.5 | 962.1 | 961.7 |
| 150° | 977.9 | 979.0 | 980.1 | 980.2 | 979.3 | 978.4 | 977.5 | 976.6 |
| 152.5° | 993.7 | 994.7 | 995.7 | 995.7 | 994.5 | 993.4 | 992.3 | 991.1 |
| 155° | 1014.9 | 1016.0 | 1017.0 | 1016.8 | 1015.5 | 1014.0 | 1012.6 | 1011.2 |
| 157.5° | 1032.8 | 1034.0 | 1035.2 | 1035.1 | 1033.7 | 1032.3 | 1031.0 | 1029.7 |
| 160° | 1043.2 | 1044.3 | 1045.3 | 1045.3 | 1044.0 | 1042.8 | 1041.6 | 1040.3 |
| 162.5° | 1052.9 | 1054.1 | 1055.3 | 1055.2 | 1053.7 | 1052.1 | 1050.7 | 1049.1 |
| 165° | 1064.8 | 1066.0 | 1067.2 | 1067.2 | 1066.0 | 1064.8 | 1063.6 | 1062.4 |
| 167.5° | 1074.7 | 1075.9 | 1077.2 | 1076.9 | 1075.4 | 1073.8 | 1072.3 | 1070.7 |
| 170° | 1079.8 | 1081.0 | 1082.2 | 1082.0 | 1080.5 | 1078.8 | 1077.3 | 1075.7 |
| 172.5° | 1083.5 | 1084.8 | 1086.0 | 1085.8 | 1084.2 | 1082.6 | 1081.1 | 1079.5 |
| 175° | 1087.6 | 1088.8 | 1090.0 | 1089.8 | 1088.0 | 1086.3 | 1084.5 | 1082.8 |
| 177.5° | 1088.0 | 1089.1 | 1090.0 | 1089.9 | 1088.6 | 1087.4 | 1086.1 | 1084.9 |
| 180° | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 | 1086.8 |

(END OF REPORT)