

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: P331307-935

Luminaire Tested: **S122DIP-S485D725U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331307-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S485D725U935-4F0-1E-UDD-D1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 485 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3925.8 lumens
Efficiency: N/A
Efficacy: 102.2 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

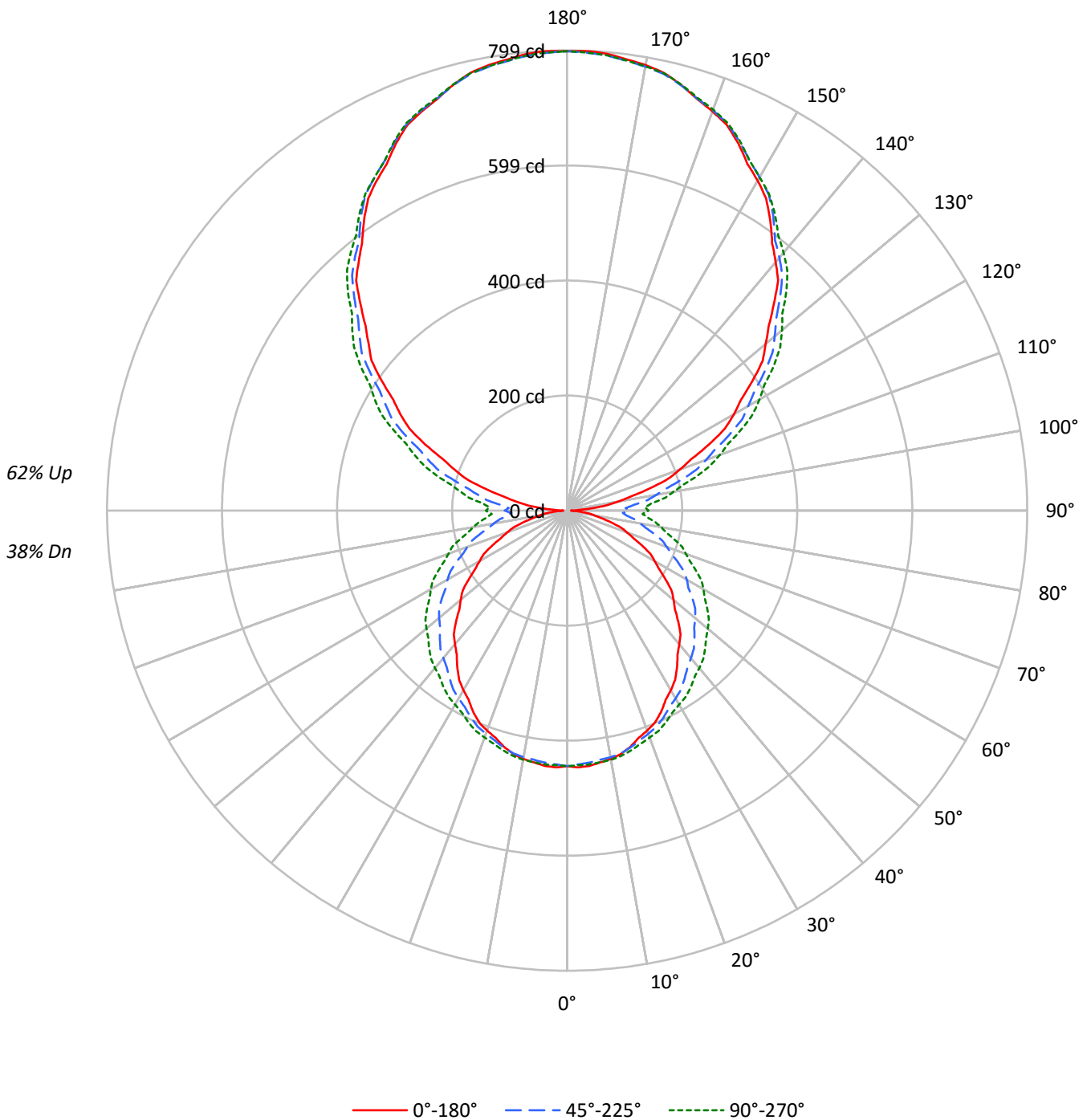
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 45 | 45 | 45 | 38 |
| 1 | 94 | 89 | 85 | 81 | 85 | 81 | 77 | 74 | 66 | 63 | 61 | 51 | 50 | 48 | 38 | 37 | 36 | 30 |
| 2 | 85 | 77 | 71 | 65 | 77 | 70 | 65 | 60 | 57 | 53 | 49 | 44 | 42 | 39 | 33 | 31 | 29 | 24 |
| 3 | 77 | 67 | 60 | 54 | 70 | 61 | 55 | 49 | 50 | 45 | 41 | 39 | 35 | 33 | 29 | 27 | 25 | 20 |
| 4 | 71 | 59 | 51 | 45 | 64 | 54 | 47 | 41 | 44 | 39 | 34 | 34 | 31 | 28 | 26 | 23 | 21 | 17 |
| 5 | 65 | 53 | 44 | 38 | 58 | 48 | 41 | 35 | 39 | 34 | 29 | 31 | 27 | 24 | 23 | 20 | 18 | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 30 | 35 | 29 | 25 | 28 | 24 | 20 | 21 | 18 | 16 | 12 |
| 7 | 55 | 42 | 34 | 29 | 49 | 39 | 32 | 26 | 32 | 26 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 38 | 30 | 25 | 46 | 35 | 28 | 23 | 29 | 23 | 20 | 23 | 19 | 16 | 17 | 14 | 12 | 10 |
| 9 | 47 | 35 | 27 | 22 | 43 | 32 | 25 | 21 | 26 | 21 | 17 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 18 | 24 | 19 | 16 | 19 | 15 | 13 | 15 | 12 | 10 | 8 |

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: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.0 | 1.1 |
| 10°-20° | 120.6 | 3.1 |
| 20°-30° | 182.7 | 4.7 |
| 30°-40° | 222.5 | 5.7 |
| 40°-50° | 239.4 | 6.1 |
| 50°-60° | 232.5 | 5.9 |
| 60°-70° | 203.0 | 5.2 |
| 70°-80° | 156.3 | 4.0 |
| 80°-90° | 108.1 | 2.8 |
| 90°-100° | 122.8 | 3.1 |
| 100°-110° | 209.7 | 5.3 |
| 110°-120° | 303.1 | 7.7 |
| 120°-130° | 372.3 | 9.5 |
| 130°-140° | 404.1 | 10.3 |
| 140°-150° | 389.7 | 9.9 |
| 150°-160° | 325.7 | 8.3 |
| 160°-170° | 216.0 | 5.5 |
| 170°-180° | 75.5 | 1.9 |
| 0°-30° | 345.3 | 8.8 |
| 0°-40° | 567.8 | 14.5 |
| 0°-60° | 1039.7 | 26.5 |
| 0°-90° | 1507.0 | 38.4 |
| 90°-120° | 635.6 | 16.2 |
| 90°-150° | 1801.7 | 45.9 |
| 90°-180° | 2419.0 | 61.6 |
| 0°-180° | 3925.8 | 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 | 108 | 132 | 141 | 6 |
| 95° | 40 | 77 | 117 | 140 | 148 | 44 |
| 105° | 148 | 169 | 203 | 226 | 234 | 156 |
| 115° | 272 | 284 | 310 | 328 | 334 | 269 |
| 125° | 393 | 400 | 418 | 432 | 438 | 351 |
| 135° | 507 | 515 | 523 | 535 | 539 | 392 |
| 145° | 615 | 620 | 624 | 628 | 629 | 384 |
| 155° | 703 | 705 | 707 | 710 | 709 | 324 |
| 165° | 765 | 765 | 764 | 769 | 766 | 216 |
| 175° | 796 | 794 | 793 | 797 | 794 | 76 |
| 180° | 798 | 798 | 798 | 798 | 798 | |



TEST NUMBER: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-UDD-D1

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 | 21.6 | 30.5 | 39.3 | 48.2 | 57.6 | 67.4 | 77.1 | 87.0 | 96.8 | 102.5 |
| 90° | 7.1 | 17.2 | 27.3 | 37.4 | 47.4 | 58.7 | 71.1 | 83.6 | 96.0 | 108.4 | 113.8 |
| 92.5° | 17.9 | 26.9 | 36.0 | 45.0 | 54.0 | 63.4 | 72.9 | 82.5 | 92.0 | 101.7 | 107.3 |
| 95° | 40.1 | 48.4 | 56.6 | 64.7 | 73.0 | 81.5 | 90.4 | 99.3 | 108.1 | 117.0 | 122.4 |
| 97.5° | 68.4 | 75.7 | 83.0 | 90.3 | 97.6 | 105.6 | 114.4 | 123.2 | 132.0 | 140.9 | 146.1 |
| 100° | 90.0 | 96.4 | 103.0 | 109.4 | 115.9 | 123.4 | 131.8 | 140.3 | 148.7 | 157.1 | 162.5 |
| 102.5° | 112.1 | 117.9 | 123.6 | 129.4 | 135.2 | 142.3 | 150.6 | 158.9 | 167.3 | 175.6 | 181.0 |
| 105° | 147.9 | 152.5 | 157.1 | 161.7 | 166.3 | 172.5 | 180.2 | 187.9 | 195.6 | 203.4 | 208.6 |
| 107.5° | 184.7 | 188.6 | 192.6 | 196.6 | 200.5 | 206.1 | 213.2 | 220.3 | 227.5 | 234.5 | 239.4 |
| 110° | 207.8 | 211.5 | 215.3 | 219.1 | 222.8 | 228.3 | 235.2 | 242.2 | 249.3 | 256.2 | 260.8 |



TEST NUMBER: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 233.7 | 236.9 | 240.3 | 243.6 | 246.8 | 251.8 | 258.3 | 264.8 | 271.4 | 277.9 | 282.1 |
| 115° | 271.7 | 274.2 | 276.7 | 279.1 | 281.6 | 285.9 | 292.1 | 298.3 | 304.4 | 310.5 | 314.6 |
| 117.5° | 309.1 | 311.3 | 313.6 | 315.7 | 318.0 | 321.7 | 326.7 | 331.8 | 337.0 | 342.1 | 345.9 |
| 120° | 334.4 | 336.1 | 337.9 | 339.7 | 341.5 | 344.6 | 349.1 | 353.6 | 358.2 | 362.7 | 366.7 |
| 122.5° | 357.6 | 359.2 | 360.8 | 362.6 | 364.2 | 367.3 | 371.9 | 376.3 | 380.9 | 385.5 | 389.0 |
| 125° | 393.0 | 394.3 | 395.6 | 397.0 | 398.4 | 401.1 | 405.2 | 409.3 | 413.5 | 417.6 | 421.0 |
| 127.5° | 428.1 | 429.6 | 431.2 | 432.8 | 434.4 | 436.7 | 439.9 | 443.0 | 446.2 | 449.3 | 452.3 |
| 130° | 450.1 | 451.9 | 453.7 | 455.6 | 457.4 | 459.6 | 462.4 | 465.0 | 467.7 | 470.5 | 473.6 |
| 132.5° | 474.9 | 476.4 | 477.9 | 479.2 | 480.7 | 482.6 | 485.0 | 487.3 | 489.7 | 492.1 | 494.7 |
| 135° | 507.4 | 509.0 | 510.7 | 512.4 | 514.0 | 515.7 | 517.4 | 519.1 | 520.8 | 522.6 | 525.5 |
| 137.5° | 542.3 | 543.5 | 544.9 | 546.2 | 547.5 | 548.7 | 549.7 | 550.8 | 551.7 | 552.8 | 555.3 |
| 140° | 563.3 | 564.5 | 565.7 | 566.9 | 568.1 | 569.2 | 570.2 | 571.3 | 572.3 | 573.3 | 575.6 |
| 142.5° | 584.8 | 586.0 | 587.2 | 588.4 | 589.6 | 590.5 | 591.1 | 591.6 | 592.2 | 592.8 | 594.7 |
| 145° | 615.1 | 616.1 | 617.3 | 618.3 | 619.3 | 620.3 | 621.2 | 622.1 | 622.9 | 623.9 | 624.9 |
| 147.5° | 642.7 | 643.9 | 645.2 | 646.4 | 647.7 | 648.7 | 649.3 | 649.9 | 650.5 | 651.1 | 651.5 |
| 150° | 661.6 | 662.5 | 663.3 | 664.3 | 665.1 | 665.9 | 666.5 | 667.1 | 667.7 | 668.3 | 668.7 |
| 152.5° | 678.2 | 679.2 | 680.0 | 681.0 | 681.8 | 682.6 | 683.4 | 684.1 | 684.8 | 685.5 | 686.0 |
| 155° | 703.3 | 703.7 | 704.2 | 704.6 | 705.1 | 705.5 | 705.9 | 706.5 | 706.9 | 707.3 | 708.1 |
| 157.5° | 724.7 | 725.0 | 725.3 | 725.6 | 725.9 | 726.2 | 726.4 | 726.7 | 726.9 | 727.2 | 728.2 |
| 160° | 737.6 | 737.9 | 738.2 | 738.5 | 738.8 | 739.0 | 739.2 | 739.3 | 739.5 | 739.6 | 740.5 |
| 162.5° | 749.4 | 749.5 | 749.6 | 749.6 | 749.7 | 749.8 | 749.9 | 750.1 | 750.3 | 750.4 | 751.4 |
| 165° | 765.2 | 765.1 | 764.9 | 764.7 | 764.6 | 764.5 | 764.5 | 764.5 | 764.5 | 764.5 | 765.6 |
| 167.5° | 778.3 | 777.9 | 777.5 | 777.1 | 776.6 | 776.4 | 776.4 | 776.3 | 776.3 | 776.2 | 777.3 |
| 170° | 785.4 | 785.0 | 784.5 | 784.0 | 783.6 | 783.3 | 783.2 | 783.0 | 782.8 | 782.6 | 783.8 |
| 172.5° | 790.2 | 789.8 | 789.4 | 788.8 | 788.4 | 788.2 | 788.0 | 787.8 | 787.7 | 787.6 | 788.6 |
| 175° | 796.2 | 795.7 | 795.2 | 794.8 | 794.4 | 794.0 | 793.7 | 793.4 | 793.1 | 792.8 | 793.8 |
| 177.5° | 798.6 | 798.2 | 797.9 | 797.5 | 797.1 | 796.9 | 796.6 | 796.3 | 796.1 | 795.9 | 796.6 |
| 180° | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 |



TEST NUMBER: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-UDD-D1

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° | 108.3 | 114.1 | 119.9 | 123.7 | 125.5 | 127.4 | 129.2 | 131.1 |
| 90° | 119.2 | 124.7 | 130.1 | 133.7 | 135.6 | 137.5 | 139.3 | 141.2 |
| 92.5° | 113.0 | 118.6 | 124.3 | 128.0 | 129.8 | 131.5 | 133.2 | 135.0 |
| 95° | 127.9 | 133.3 | 138.7 | 142.2 | 143.6 | 145.0 | 146.4 | 147.8 |
| 97.5° | 151.4 | 156.7 | 162.0 | 165.5 | 167.1 | 168.8 | 170.4 | 172.1 |
| 100° | 167.7 | 173.1 | 178.3 | 181.7 | 183.1 | 184.5 | 186.0 | 187.4 |
| 102.5° | 186.2 | 191.5 | 196.8 | 200.2 | 201.6 | 203.0 | 204.4 | 205.9 |
| 105° | 214.0 | 219.3 | 224.5 | 228.0 | 229.5 | 231.2 | 232.7 | 234.3 |
| 107.5° | 244.4 | 249.3 | 254.3 | 257.2 | 258.0 | 258.9 | 259.8 | 260.7 |
| 110° | 265.4 | 269.9 | 274.6 | 277.4 | 278.5 | 279.7 | 280.8 | 281.9 |



TEST NUMBER: P331307-935

CATALOG NUMBER: S122DIP-S485D725U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 286.4 | 290.6 | 294.8 | 297.6 | 298.8 | 300.0 | 301.3 | 302.5 |
| 115° | 318.7 | 322.9 | 327.0 | 329.7 | 330.8 | 331.9 | 333.0 | 334.2 |
| 117.5° | 349.8 | 353.7 | 357.6 | 360.0 | 361.0 | 362.1 | 363.0 | 364.0 |
| 120° | 370.7 | 374.7 | 378.7 | 381.3 | 382.4 | 383.5 | 384.6 | 385.7 |
| 122.5° | 392.5 | 396.1 | 399.6 | 401.8 | 402.9 | 403.8 | 404.8 | 405.9 |
| 125° | 424.4 | 427.8 | 431.2 | 433.5 | 434.6 | 435.8 | 436.9 | 438.1 |
| 127.5° | 455.3 | 458.3 | 461.3 | 463.2 | 464.0 | 464.8 | 465.5 | 466.3 |
| 130° | 476.7 | 479.8 | 482.9 | 484.8 | 485.3 | 485.9 | 486.5 | 487.0 |
| 132.5° | 497.4 | 500.1 | 502.7 | 504.4 | 505.1 | 505.8 | 506.4 | 507.0 |
| 135° | 528.3 | 531.2 | 534.0 | 535.8 | 536.5 | 537.2 | 537.9 | 538.6 |
| 137.5° | 557.8 | 560.3 | 562.8 | 564.2 | 564.6 | 565.0 | 565.4 | 565.8 |
| 140° | 577.9 | 580.2 | 582.5 | 583.8 | 584.0 | 584.3 | 584.5 | 584.8 |
| 142.5° | 596.7 | 598.6 | 600.5 | 601.6 | 601.8 | 601.9 | 602.0 | 602.2 |
| 145° | 625.9 | 626.9 | 627.9 | 628.4 | 628.5 | 628.7 | 628.8 | 629.0 |
| 147.5° | 651.9 | 652.4 | 652.8 | 652.9 | 652.7 | 652.5 | 652.3 | 652.0 |
| 150° | 669.2 | 669.6 | 670.1 | 670.1 | 669.6 | 669.2 | 668.7 | 668.3 |
| 152.5° | 686.6 | 687.3 | 687.8 | 687.8 | 687.3 | 686.6 | 686.0 | 685.5 |
| 155° | 708.8 | 709.6 | 710.3 | 710.5 | 710.0 | 709.6 | 709.1 | 708.7 |
| 157.5° | 729.3 | 730.3 | 731.3 | 731.4 | 730.7 | 730.0 | 729.3 | 728.6 |
| 160° | 741.4 | 742.4 | 743.2 | 743.4 | 742.8 | 742.2 | 741.6 | 741.0 |
| 162.5° | 752.4 | 753.5 | 754.5 | 754.6 | 753.9 | 753.2 | 752.4 | 751.7 |
| 165° | 766.6 | 767.7 | 768.7 | 768.9 | 768.1 | 767.3 | 766.6 | 765.9 |
| 167.5° | 778.3 | 779.4 | 780.4 | 780.6 | 779.8 | 779.0 | 778.3 | 777.5 |
| 170° | 784.8 | 785.8 | 786.9 | 787.0 | 786.1 | 785.1 | 784.3 | 783.3 |
| 172.5° | 789.6 | 790.7 | 791.7 | 791.8 | 790.9 | 790.0 | 789.1 | 788.2 |
| 175° | 794.9 | 795.9 | 796.9 | 797.0 | 796.2 | 795.2 | 794.4 | 793.5 |
| 177.5° | 797.3 | 798.1 | 798.7 | 798.7 | 798.1 | 797.3 | 796.6 | 795.9 |
| 180° | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 | 797.5 |

(END OF REPORT)