

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: P331967-927

Luminaire Tested: **S123DIP-S775D585U927-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331967-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D585U927-4F0-1E-UDD-D
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4415.1 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: General Diffuse

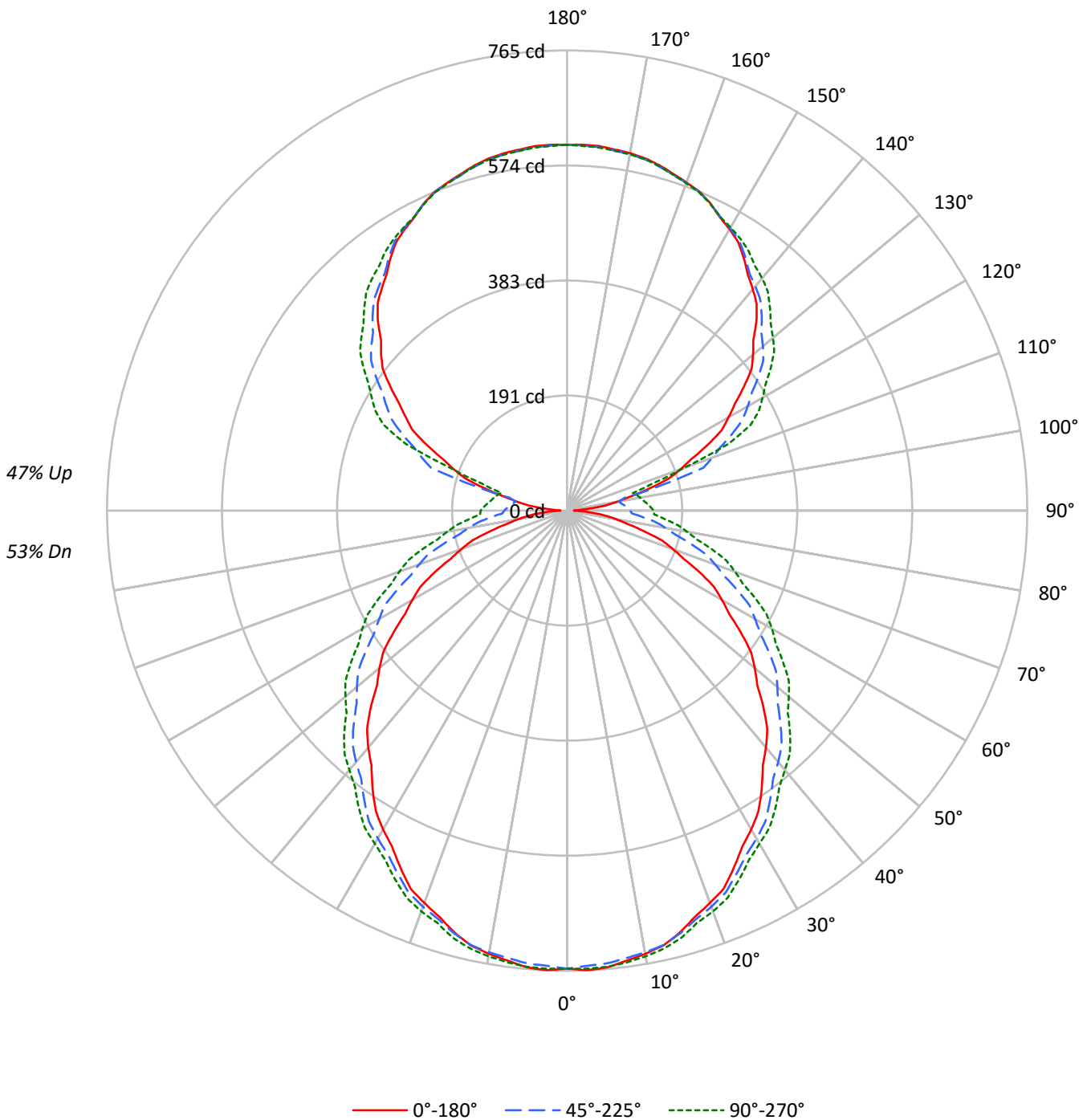
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 |
| 1 | 97 | 93 | 88 | 84 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 57 | 50 | 49 | 48 | 42 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 68 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 44 | 41 | 39 | 35 |
| 3 | 80 | 70 | 62 | 56 | 74 | 65 | 58 | 53 | 55 | 50 | 46 | 47 | 43 | 39 | 38 | 35 | 33 | 29 |
| 4 | 73 | 62 | 54 | 47 | 67 | 57 | 50 | 44 | 49 | 43 | 39 | 41 | 37 | 33 | 34 | 31 | 28 | 24 |
| 5 | 67 | 55 | 46 | 40 | 62 | 51 | 44 | 38 | 44 | 38 | 33 | 37 | 32 | 29 | 31 | 27 | 24 | 21 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 38 | 33 | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 24 | 21 | 18 |
| 7 | 57 | 44 | 36 | 30 | 53 | 41 | 34 | 29 | 36 | 30 | 25 | 30 | 26 | 22 | 25 | 22 | 19 | 16 |
| 8 | 53 | 40 | 32 | 27 | 49 | 38 | 30 | 25 | 32 | 27 | 22 | 28 | 23 | 20 | 23 | 20 | 17 | 14 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 23 | 30 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 15 | 13 |
| 10 | 46 | 34 | 26 | 21 | 43 | 31 | 25 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 20 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8196 | 8196 | 8196 |
| 5° | 8222 | 7990 | 7994 |
| 10° | 8148 | 7806 | 7766 |
| 15° | 8043 | 7597 | 7518 |
| 20° | 7893 | 7358 | 7245 |
| 25° | 7708 | 7084 | 6957 |
| 30° | 7517 | 6836 | 6666 |
| 35° | 7305 | 6575 | 6434 |
| 40° | 7102 | 6337 | 6184 |
| 45° | 6877 | 6109 | 5986 |
| 50° | 6655 | 5883 | 5766 |
| 55° | 6409 | 5652 | 5569 |
| 60° | 6171 | 5417 | 5366 |
| 65° | 5924 | 5168 | 5126 |
| 70° | 5555 | 4887 | 4879 |
| 75° | 5090 | 4566 | 4628 |
| 80° | 4551 | 4249 | 4341 |
| 85° | 4050 | 4032 | 4175 |



TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.2 | 1.6 |
| 10°-20° | 205.8 | 4.7 |
| 20°-30° | 307.8 | 7.0 |
| 30°-40° | 367.5 | 8.3 |
| 40°-50° | 384.5 | 8.7 |
| 50°-60° | 360.9 | 8.2 |
| 60°-70° | 301.4 | 6.8 |
| 70°-80° | 215.6 | 4.9 |
| 80°-90° | 130.3 | 3.0 |
| 90°-100° | 102.8 | 2.3 |
| 100°-110° | 164.7 | 3.7 |
| 110°-120° | 292.7 | 6.6 |
| 120°-130° | 344.9 | 7.8 |
| 130°-140° | 354.6 | 8.0 |
| 140°-150° | 324.2 | 7.3 |
| 150°-160° | 259.8 | 5.9 |
| 160°-170° | 167.7 | 3.8 |
| 170°-180° | 57.8 | 1.3 |
| 0°-30° | 585.7 | 13.3 |
| 0°-40° | 953.3 | 21.6 |
| 0°-60° | 1698.6 | 38.5 |
| 0°-90° | 2346.0 | 53.1 |
| 90°-120° | 560.2 | 12.7 |
| 90°-150° | 1583.9 | 35.9 |
| 90°-180° | 2069.0 | 46.9 |
| 0°-180° | 4415.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 761 | 761 | 761 | 761 | 761 | |
| 5° | 762 | 760 | 756 | 762 | 761 | 72 |
| 15° | 726 | 728 | 728 | 735 | 735 | 204 |
| 25° | 655 | 663 | 666 | 676 | 677 | 302 |
| 35° | 564 | 577 | 588 | 600 | 604 | 353 |
| 45° | 461 | 481 | 502 | 517 | 524 | 356 |
| 55° | 352 | 379 | 409 | 430 | 438 | 315 |
| 65° | 243 | 276 | 312 | 336 | 345 | 240 |
| 75° | 132 | 171 | 212 | 239 | 250 | 141 |
| 85° | 41 | 82 | 126 | 153 | 163 | 43 |
| 90° | 11 | 57 | 105 | 133 | 144 | 9 |
| 95° | 37 | 52 | 96 | 124 | 133 | 41 |
| 105° | 141 | 164 | 161 | 108 | 113 | 149 |
| 115° | 257 | 271 | 303 | 327 | 336 | 254 |
| 125° | 358 | 363 | 388 | 406 | 413 | 320 |
| 135° | 445 | 447 | 458 | 473 | 477 | 342 |
| 145° | 512 | 515 | 516 | 523 | 526 | 320 |
| 155° | 563 | 563 | 563 | 565 | 562 | 259 |
| 165° | 594 | 593 | 592 | 596 | 593 | 168 |
| 175° | 608 | 606 | 606 | 609 | 606 | 58 |
| 180° | 608 | 608 | 608 | 608 | 608 | |



TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 |
| 2.5° | 764.8 | 764.3 | 763.9 | 763.4 | 763.0 | 762.2 | 761.0 | 759.9 | 758.7 | 757.5 | 758.7 |
| 5° | 762.3 | 761.9 | 761.5 | 761.2 | 760.8 | 760.1 | 759.0 | 757.9 | 756.8 | 755.7 | 757.2 |
| 7.5° | 754.8 | 754.9 | 754.9 | 755.0 | 755.1 | 754.6 | 753.5 | 752.5 | 751.4 | 750.4 | 752.2 |
| 10° | 748.2 | 748.5 | 748.9 | 749.3 | 749.6 | 749.4 | 748.5 | 747.6 | 746.6 | 745.7 | 747.6 |
| 12.5° | 740.2 | 740.8 | 741.2 | 741.8 | 742.3 | 742.3 | 741.6 | 741.0 | 740.4 | 739.7 | 741.4 |
| 15° | 725.8 | 726.4 | 726.9 | 727.5 | 728.0 | 728.2 | 728.0 | 727.9 | 727.6 | 727.5 | 729.3 |
| 17.5° | 707.6 | 708.7 | 709.8 | 710.8 | 711.9 | 712.5 | 712.4 | 712.3 | 712.3 | 712.2 | 713.8 |
| 20° | 694.3 | 695.4 | 696.5 | 697.6 | 698.7 | 699.4 | 699.8 | 700.2 | 700.5 | 700.9 | 702.6 |
| 22.5° | 680.3 | 681.4 | 682.5 | 683.7 | 684.8 | 685.6 | 686.1 | 686.6 | 687.1 | 687.6 | 689.8 |
| 25° | 655.3 | 657.1 | 658.9 | 660.8 | 662.7 | 663.8 | 664.4 | 665.0 | 665.5 | 666.1 | 668.4 |
| 27.5° | 630.1 | 632.2 | 634.3 | 636.4 | 638.5 | 640.1 | 641.3 | 642.5 | 643.6 | 644.8 | 646.9 |
| 30° | 612.1 | 614.6 | 617.0 | 619.3 | 621.7 | 623.7 | 625.1 | 626.6 | 628.1 | 629.5 | 631.8 |
| 32.5° | 592.2 | 594.9 | 597.6 | 600.3 | 603.0 | 605.3 | 607.2 | 609.2 | 611.1 | 613.0 | 615.4 |
| 35° | 564.0 | 567.0 | 570.0 | 572.9 | 575.8 | 578.5 | 580.9 | 583.3 | 585.7 | 588.1 | 590.9 |
| 37.5° | 534.2 | 537.5 | 540.8 | 544.2 | 547.5 | 550.6 | 553.6 | 556.5 | 559.4 | 562.4 | 565.5 |
| 40° | 514.3 | 517.6 | 520.9 | 524.3 | 527.5 | 531.1 | 534.7 | 538.4 | 542.1 | 545.8 | 548.9 |
| 42.5° | 492.3 | 496.5 | 500.5 | 504.5 | 508.6 | 512.5 | 516.3 | 520.2 | 524.0 | 527.9 | 531.3 |
| 45° | 461.2 | 465.6 | 470.0 | 474.4 | 478.9 | 483.4 | 488.0 | 492.6 | 497.3 | 501.8 | 505.3 |
| 47.5° | 428.5 | 433.6 | 438.6 | 443.5 | 448.5 | 453.7 | 459.0 | 464.2 | 469.5 | 474.8 | 478.7 |
| 50° | 407.3 | 412.4 | 417.6 | 422.8 | 427.9 | 433.3 | 439.1 | 444.8 | 450.5 | 456.2 | 460.4 |
| 52.5° | 384.7 | 390.1 | 395.6 | 401.1 | 406.5 | 412.4 | 418.7 | 425.0 | 431.3 | 437.6 | 442.0 |
| 55° | 351.7 | 357.7 | 363.8 | 369.9 | 376.0 | 382.4 | 389.0 | 395.7 | 402.3 | 408.9 | 413.9 |
| 57.5° | 319.5 | 325.8 | 332.2 | 338.5 | 344.9 | 351.6 | 358.9 | 366.2 | 373.4 | 380.7 | 385.7 |
| 60° | 297.0 | 303.6 | 310.2 | 316.9 | 323.5 | 330.6 | 338.2 | 345.7 | 353.2 | 360.8 | 366.0 |
| 62.5° | 275.7 | 282.5 | 289.3 | 296.0 | 302.9 | 310.2 | 318.2 | 326.2 | 334.2 | 342.2 | 347.4 |
| 65° | 243.0 | 250.3 | 257.4 | 264.6 | 271.8 | 279.4 | 287.6 | 295.6 | 303.8 | 311.9 | 317.4 |
| 67.5° | 209.8 | 217.5 | 225.1 | 232.7 | 240.3 | 248.3 | 256.6 | 264.8 | 273.1 | 281.4 | 287.4 |
| 70° | 186.6 | 194.6 | 202.5 | 210.4 | 218.3 | 226.7 | 235.6 | 244.4 | 253.3 | 262.1 | 268.0 |
| 72.5° | 165.4 | 173.3 | 181.3 | 189.2 | 197.1 | 205.7 | 214.8 | 223.9 | 233.1 | 242.2 | 248.3 |
| 75° | 131.9 | 140.5 | 149.2 | 157.9 | 166.5 | 175.5 | 184.7 | 193.9 | 203.1 | 212.4 | 218.4 |
| 77.5° | 102.7 | 111.5 | 120.2 | 128.9 | 137.6 | 146.6 | 156.0 | 165.2 | 174.5 | 183.8 | 190.2 |
| 80° | 82.1 | 91.2 | 100.2 | 109.2 | 118.3 | 127.5 | 137.1 | 146.7 | 156.3 | 165.9 | 172.1 |
| 82.5° | 64.2 | 73.4 | 82.5 | 91.7 | 100.9 | 110.4 | 120.1 | 129.8 | 139.6 | 149.3 | 155.6 |
| 85° | 40.6 | 49.8 | 59.1 | 68.3 | 77.5 | 87.0 | 96.8 | 106.5 | 116.3 | 126.1 | 132.4 |
| 87.5° | 22.2 | 31.5 | 40.9 | 50.3 | 59.7 | 69.2 | 78.8 | 88.5 | 98.2 | 107.8 | 114.2 |
| 90° | 11.2 | 21.3 | 31.3 | 41.4 | 51.4 | 61.8 | 72.5 | 83.2 | 93.9 | 104.6 | 111.2 |
| 92.5° | 18.5 | 26.4 | 34.2 | 42.1 | 50.0 | 59.0 | 69.3 | 79.5 | 89.8 | 100.0 | 106.8 |
| 95° | 36.7 | 39.8 | 42.9 | 45.9 | 49.0 | 55.6 | 65.8 | 75.9 | 86.0 | 96.1 | 102.5 |
| 97.5° | 63.5 | 68.1 | 72.8 | 77.5 | 82.1 | 85.1 | 86.5 | 87.9 | 89.3 | 90.7 | 97.0 |
| 100° | 83.8 | 91.7 | 99.7 | 107.6 | 115.4 | 115.8 | 108.6 | 101.5 | 94.3 | 87.1 | 93.2 |
| 102.5° | 107.0 | 113.8 | 120.5 | 127.3 | 134.0 | 133.0 | 124.2 | 115.5 | 106.7 | 97.9 | 100.6 |
| 105° | 141.2 | 146.8 | 152.3 | 157.9 | 163.4 | 165.6 | 164.5 | 163.3 | 162.2 | 161.1 | 148.5 |
| 107.5° | 176.6 | 181.3 | 185.9 | 190.5 | 195.2 | 202.0 | 211.0 | 219.9 | 228.8 | 237.7 | 229.7 |
| 110° | 200.2 | 204.3 | 208.4 | 212.5 | 216.7 | 222.9 | 231.4 | 239.9 | 248.3 | 256.8 | 258.3 |



TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 223.3 | 226.7 | 230.2 | 233.6 | 237.1 | 242.9 | 251.1 | 259.3 | 267.4 | 275.7 | 280.4 |
| 115° | 256.7 | 259.5 | 262.4 | 265.1 | 268.0 | 273.1 | 280.7 | 288.2 | 295.8 | 303.3 | 308.7 |
| 117.5° | 289.7 | 291.8 | 293.9 | 296.0 | 298.2 | 302.5 | 309.3 | 315.9 | 322.7 | 329.3 | 334.5 |
| 120° | 309.7 | 311.5 | 313.3 | 315.1 | 317.0 | 321.1 | 327.4 | 333.8 | 340.2 | 346.6 | 351.6 |
| 122.5° | 330.7 | 331.8 | 333.0 | 334.3 | 335.5 | 339.2 | 345.4 | 351.6 | 357.7 | 363.8 | 368.5 |
| 125° | 358.5 | 359.3 | 360.1 | 360.9 | 361.7 | 365.0 | 370.7 | 376.5 | 382.2 | 388.0 | 392.1 |
| 127.5° | 386.3 | 387.0 | 387.6 | 388.2 | 388.8 | 391.6 | 396.5 | 401.4 | 406.3 | 411.2 | 415.2 |
| 130° | 403.7 | 404.3 | 405.0 | 405.6 | 406.2 | 408.5 | 412.6 | 416.7 | 420.8 | 424.9 | 428.8 |
| 132.5° | 419.7 | 420.4 | 421.2 | 422.0 | 422.7 | 424.8 | 428.0 | 431.3 | 434.6 | 437.8 | 441.6 |
| 135° | 444.9 | 445.3 | 445.8 | 446.2 | 446.6 | 448.0 | 450.4 | 452.9 | 455.3 | 457.7 | 461.4 |
| 137.5° | 466.4 | 467.1 | 467.6 | 468.3 | 468.9 | 469.8 | 471.3 | 472.6 | 474.0 | 475.3 | 478.7 |
| 140° | 480.2 | 480.9 | 481.4 | 482.0 | 482.6 | 483.4 | 484.2 | 485.1 | 485.9 | 486.8 | 490.0 |
| 142.5° | 493.6 | 494.1 | 494.5 | 495.0 | 495.4 | 495.8 | 496.2 | 496.7 | 497.1 | 497.5 | 500.3 |
| 145° | 512.3 | 512.8 | 513.3 | 513.9 | 514.4 | 514.8 | 514.9 | 515.2 | 515.3 | 515.6 | 517.2 |
| 147.5° | 529.1 | 529.6 | 530.0 | 530.4 | 530.9 | 531.2 | 531.5 | 531.6 | 531.9 | 532.1 | 532.7 |
| 150° | 540.0 | 540.3 | 540.5 | 540.8 | 541.1 | 541.4 | 541.6 | 541.8 | 542.0 | 542.2 | 542.4 |
| 152.5° | 549.7 | 549.9 | 549.9 | 550.1 | 550.2 | 550.4 | 550.5 | 550.6 | 550.7 | 550.9 | 551.2 |
| 155° | 563.4 | 563.2 | 563.0 | 562.8 | 562.6 | 562.6 | 562.7 | 562.8 | 562.8 | 563.0 | 563.5 |
| 157.5° | 574.1 | 574.1 | 574.0 | 574.0 | 574.0 | 573.9 | 573.9 | 573.8 | 573.6 | 573.5 | 574.2 |
| 160° | 580.6 | 580.5 | 580.4 | 580.3 | 580.2 | 580.1 | 580.0 | 579.9 | 579.8 | 579.7 | 580.3 |
| 162.5° | 586.8 | 586.5 | 586.2 | 586.0 | 585.7 | 585.5 | 585.4 | 585.3 | 585.2 | 585.1 | 585.8 |
| 165° | 594.1 | 593.8 | 593.6 | 593.3 | 592.9 | 592.7 | 592.6 | 592.6 | 592.5 | 592.3 | 593.2 |
| 167.5° | 599.9 | 599.5 | 599.1 | 598.7 | 598.3 | 598.1 | 598.1 | 598.1 | 598.1 | 598.1 | 599.0 |
| 170° | 603.2 | 602.8 | 602.4 | 602.0 | 601.6 | 601.3 | 601.3 | 601.3 | 601.3 | 601.3 | 602.2 |
| 172.5° | 605.4 | 604.9 | 604.4 | 603.9 | 603.4 | 603.2 | 603.3 | 603.4 | 603.5 | 603.6 | 604.4 |
| 175° | 608.2 | 607.7 | 607.1 | 606.7 | 606.2 | 605.9 | 606.0 | 606.2 | 606.3 | 606.3 | 607.0 |
| 177.5° | 608.9 | 608.5 | 608.1 | 607.7 | 607.3 | 607.1 | 607.2 | 607.3 | 607.4 | 607.4 | 608.1 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |



TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 | 761.4 |
| 2.5° | 759.9 | 761.0 | 762.2 | 762.7 | 762.6 | 762.4 | 762.2 | 762.2 |
| 5° | 758.6 | 760.1 | 761.5 | 762.2 | 762.0 | 761.8 | 761.7 | 761.4 |
| 7.5° | 754.0 | 755.9 | 757.7 | 758.5 | 758.3 | 758.1 | 757.9 | 757.6 |
| 10° | 749.4 | 751.2 | 753.0 | 753.8 | 753.4 | 753.0 | 752.7 | 752.3 |
| 12.5° | 743.1 | 744.8 | 746.5 | 747.2 | 746.8 | 746.5 | 746.1 | 745.7 |
| 15° | 731.1 | 733.0 | 734.8 | 735.6 | 735.5 | 735.3 | 735.1 | 734.9 |
| 17.5° | 715.5 | 717.2 | 718.8 | 719.5 | 719.3 | 719.0 | 718.7 | 718.5 |
| 20° | 704.3 | 705.9 | 707.6 | 708.4 | 708.7 | 708.8 | 709.0 | 709.2 |
| 22.5° | 691.8 | 694.0 | 696.0 | 697.0 | 697.0 | 696.8 | 696.7 | 696.6 |
| 25° | 670.9 | 673.3 | 675.7 | 676.8 | 676.8 | 676.8 | 676.8 | 676.8 |
| 27.5° | 649.0 | 651.0 | 653.1 | 654.2 | 654.3 | 654.5 | 654.7 | 654.8 |
| 30° | 634.0 | 636.2 | 638.4 | 639.5 | 639.5 | 639.5 | 639.5 | 639.5 |
| 32.5° | 617.7 | 620.0 | 622.4 | 623.8 | 624.2 | 624.7 | 625.1 | 625.6 |
| 35° | 593.7 | 596.4 | 599.1 | 600.9 | 601.7 | 602.4 | 603.1 | 603.9 |
| 37.5° | 568.6 | 571.8 | 574.9 | 576.8 | 577.3 | 578.0 | 578.5 | 579.2 |
| 40° | 552.1 | 555.2 | 558.3 | 560.2 | 561.0 | 561.7 | 562.4 | 563.2 |
| 42.5° | 534.7 | 538.1 | 541.6 | 543.8 | 544.9 | 545.9 | 546.9 | 548.0 |
| 45° | 508.8 | 512.3 | 515.9 | 518.3 | 519.8 | 521.3 | 522.8 | 524.3 |
| 47.5° | 482.7 | 486.6 | 490.6 | 493.1 | 494.2 | 495.4 | 496.5 | 497.6 |
| 50° | 464.7 | 468.9 | 473.2 | 475.9 | 477.2 | 478.5 | 479.8 | 481.1 |
| 52.5° | 446.4 | 450.8 | 455.2 | 458.2 | 459.8 | 461.4 | 463.0 | 464.5 |
| 55° | 418.9 | 423.9 | 428.8 | 432.1 | 433.6 | 435.0 | 436.5 | 438.0 |
| 57.5° | 390.8 | 395.8 | 400.8 | 404.2 | 405.9 | 407.7 | 409.3 | 411.1 |
| 60° | 371.1 | 376.3 | 381.4 | 385.1 | 387.1 | 389.1 | 391.2 | 393.2 |
| 62.5° | 352.6 | 357.7 | 362.9 | 366.4 | 368.3 | 370.2 | 372.1 | 373.9 |
| 65° | 323.0 | 328.4 | 334.0 | 337.7 | 339.5 | 341.4 | 343.3 | 345.1 |
| 67.5° | 293.4 | 299.5 | 305.5 | 309.3 | 310.9 | 312.4 | 314.0 | 315.5 |
| 70° | 273.9 | 279.8 | 285.7 | 289.5 | 291.4 | 293.3 | 295.1 | 297.0 |
| 72.5° | 254.3 | 260.3 | 266.4 | 270.4 | 272.2 | 274.0 | 275.8 | 277.7 |
| 75° | 224.5 | 230.6 | 236.7 | 240.8 | 243.0 | 245.3 | 247.5 | 249.7 |
| 77.5° | 196.6 | 203.0 | 209.5 | 213.5 | 215.2 | 216.9 | 218.6 | 220.3 |
| 80° | 178.4 | 184.7 | 191.0 | 195.0 | 196.9 | 198.7 | 200.6 | 202.4 |
| 82.5° | 161.8 | 168.1 | 174.4 | 178.4 | 180.3 | 182.1 | 183.9 | 185.8 |
| 85° | 138.6 | 144.9 | 151.1 | 155.2 | 157.0 | 158.9 | 160.7 | 162.6 |
| 87.5° | 120.6 | 126.9 | 133.2 | 137.4 | 139.3 | 141.1 | 143.0 | 144.9 |
| 90° | 117.9 | 124.6 | 131.3 | 135.6 | 137.7 | 139.7 | 141.7 | 143.8 |
| 92.5° | 113.5 | 120.3 | 127.1 | 131.3 | 133.2 | 135.0 | 136.8 | 138.6 |
| 95° | 108.9 | 115.3 | 121.8 | 126.0 | 127.8 | 129.6 | 131.4 | 133.3 |
| 97.5° | 103.3 | 109.6 | 115.9 | 120.0 | 121.9 | 123.9 | 125.8 | 127.8 |
| 100° | 99.3 | 105.5 | 111.7 | 115.7 | 117.6 | 119.6 | 121.5 | 123.5 |
| 102.5° | 103.3 | 106.1 | 108.8 | 111.1 | 113.1 | 115.2 | 117.2 | 119.2 |
| 105° | 135.9 | 123.3 | 110.7 | 105.4 | 107.2 | 109.1 | 110.9 | 112.8 |
| 107.5° | 221.6 | 213.5 | 205.4 | 195.4 | 183.7 | 171.9 | 160.2 | 148.4 |
| 110° | 259.8 | 261.3 | 262.8 | 257.1 | 244.2 | 231.3 | 218.4 | 205.6 |



TEST NUMBER: P331967-927

CATALOG NUMBER: S123DIP-S775D585U927-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 285.0 | 289.8 | 294.5 | 296.1 | 294.7 | 293.3 | 291.9 | 290.5 |
| 115° | 314.2 | 319.6 | 325.0 | 328.7 | 330.6 | 332.4 | 334.3 | 336.2 |
| 117.5° | 339.7 | 344.9 | 350.1 | 353.4 | 355.0 | 356.5 | 358.0 | 359.5 |
| 120° | 356.7 | 361.7 | 366.8 | 369.9 | 371.2 | 372.5 | 373.8 | 375.1 |
| 122.5° | 373.2 | 377.9 | 382.5 | 385.5 | 386.9 | 388.2 | 389.6 | 391.0 |
| 125° | 396.2 | 400.2 | 404.3 | 407.1 | 408.5 | 410.0 | 411.5 | 413.0 |
| 127.5° | 419.1 | 423.1 | 427.1 | 429.6 | 430.6 | 431.7 | 432.8 | 433.8 |
| 130° | 432.7 | 436.6 | 440.5 | 442.9 | 443.8 | 444.7 | 445.6 | 446.6 |
| 132.5° | 445.4 | 449.1 | 452.9 | 455.3 | 456.2 | 457.2 | 458.1 | 459.1 |
| 135° | 464.9 | 468.6 | 472.2 | 474.3 | 474.9 | 475.5 | 476.2 | 476.8 |
| 137.5° | 482.1 | 485.5 | 488.9 | 491.0 | 491.7 | 492.4 | 493.1 | 493.8 |
| 140° | 493.1 | 496.3 | 499.5 | 501.4 | 502.1 | 502.8 | 503.5 | 504.3 |
| 142.5° | 503.0 | 505.9 | 508.7 | 510.4 | 511.0 | 511.7 | 512.3 | 512.9 |
| 145° | 518.9 | 520.5 | 522.2 | 523.5 | 524.2 | 524.9 | 525.7 | 526.4 |
| 147.5° | 533.4 | 534.0 | 534.6 | 535.0 | 535.3 | 535.4 | 535.7 | 535.9 |
| 150° | 542.6 | 542.8 | 543.0 | 543.1 | 543.2 | 543.3 | 543.4 | 543.4 |
| 152.5° | 551.6 | 551.9 | 552.3 | 552.3 | 551.9 | 551.5 | 551.1 | 550.7 |
| 155° | 564.0 | 564.5 | 565.0 | 564.9 | 564.4 | 563.7 | 563.2 | 562.5 |
| 157.5° | 574.7 | 575.4 | 576.0 | 575.8 | 575.0 | 574.3 | 573.5 | 572.7 |
| 160° | 580.9 | 581.5 | 582.1 | 582.0 | 581.4 | 580.7 | 580.0 | 579.2 |
| 162.5° | 586.5 | 587.2 | 587.9 | 587.9 | 587.2 | 586.6 | 586.0 | 585.4 |
| 165° | 594.0 | 594.8 | 595.6 | 595.6 | 594.9 | 594.2 | 593.5 | 592.8 |
| 167.5° | 599.8 | 600.6 | 601.3 | 601.3 | 600.6 | 599.8 | 599.0 | 598.1 |
| 170° | 603.0 | 603.8 | 604.6 | 604.6 | 603.8 | 603.0 | 602.2 | 601.3 |
| 172.5° | 605.1 | 605.9 | 606.7 | 606.7 | 605.9 | 605.0 | 604.0 | 603.2 |
| 175° | 607.8 | 608.5 | 609.2 | 609.1 | 608.3 | 607.5 | 606.7 | 605.9 |
| 177.5° | 608.7 | 609.3 | 610.0 | 609.9 | 609.1 | 608.3 | 607.5 | 606.7 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |

(END OF REPORT)