

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: P332171-927

Luminaire Tested: **S123DIW-S775D1320U927-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332171-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S775D1320U927-4F0-1E-UDD-D1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1320 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6186.5 lumens
Efficiency: N/A
Efficacy: 100.8 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: Semi-Indirect

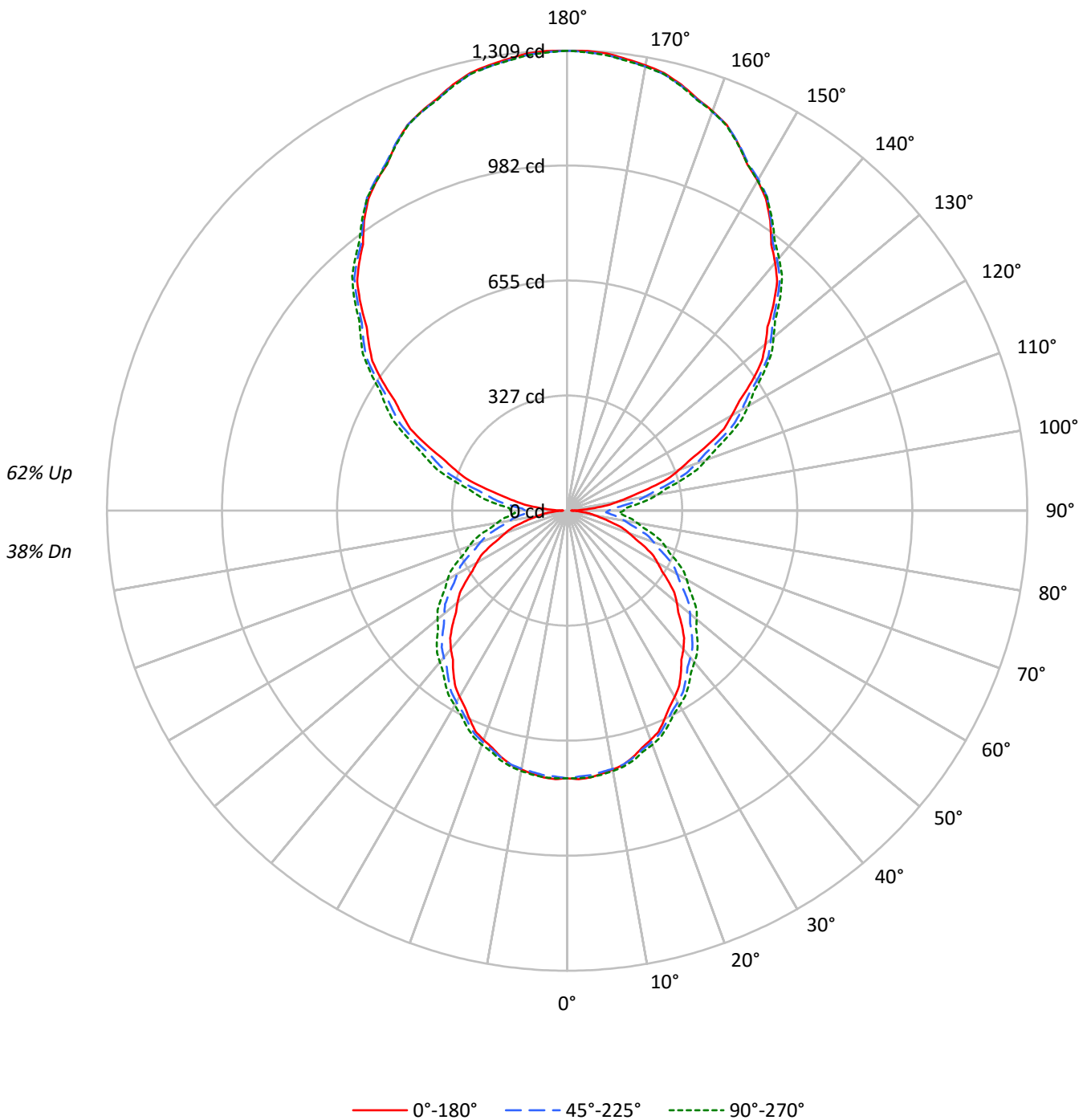
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-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 | 60 | 60 | 60 | 45 | 45 | 45 | 38 |
| 1 | 94 | 90 | 86 | 82 | 85 | 81 | 78 | 75 | 66 | 63 | 61 | 52 | 50 | 48 | 39 | 37 | 36 | 30 |
| 2 | 85 | 78 | 71 | 66 | 77 | 71 | 65 | 61 | 57 | 53 | 50 | 45 | 42 | 40 | 33 | 32 | 30 | 25 |
| 3 | 78 | 68 | 61 | 55 | 70 | 62 | 55 | 50 | 50 | 45 | 42 | 39 | 36 | 33 | 29 | 27 | 25 | 21 |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 24 | 21 | 17 |
| 5 | 65 | 53 | 45 | 39 | 59 | 49 | 41 | 36 | 40 | 34 | 30 | 31 | 27 | 24 | 23 | 21 | 19 | 15 |
| 6 | 60 | 48 | 40 | 34 | 54 | 43 | 36 | 31 | 36 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 25 | 22 | 19 | 19 | 16 | 14 | 12 |
| 8 | 51 | 39 | 31 | 26 | 46 | 35 | 29 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 9 | 48 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 27 | 22 | 18 | 21 | 17 | 15 | 16 | 14 | 12 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 30 | 23 | 19 | 24 | 19 | 16 | 20 | 16 | 13 | 15 | 12 | 10 | 8 |

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: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.2 | 1.2 |
| 10°-20° | 205.8 | 3.3 |
| 20°-30° | 307.8 | 5.0 |
| 30°-40° | 367.5 | 5.9 |
| 40°-50° | 384.5 | 6.2 |
| 50°-60° | 360.9 | 5.8 |
| 60°-70° | 301.4 | 4.9 |
| 70°-80° | 215.6 | 3.5 |
| 80°-90° | 132.5 | 2.1 |
| 90°-100° | 165.9 | 2.7 |
| 100°-110° | 314.3 | 5.1 |
| 110°-120° | 473.4 | 7.7 |
| 120°-130° | 593.2 | 9.6 |
| 130°-140° | 651.4 | 10.5 |
| 140°-150° | 632.5 | 10.2 |
| 150°-160° | 530.7 | 8.6 |
| 160°-170° | 353.3 | 5.7 |
| 170°-180° | 123.7 | 2.0 |
| 0°-30° | 585.7 | 9.5 |
| 0°-40° | 953.3 | 15.4 |
| 0°-60° | 1698.6 | 27.5 |
| 0°-90° | 2348.1 | 38.0 |
| 90°-120° | 953.6 | 15.4 |
| 90°-150° | 2830.7 | 45.8 |
| 90°-180° | 3838.0 | 62.0 |
| 0°-180° | 6186.5 | 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° | 12 | 63 | 118 | 150 | 161 | 11 |
| 95° | 70 | 110 | 158 | 187 | 196 | 75 |
| 105° | 238 | 261 | 305 | 327 | 338 | 254 |
| 115° | 441 | 455 | 482 | 502 | 508 | 436 |
| 125° | 642 | 646 | 667 | 679 | 682 | 572 |
| 135° | 831 | 836 | 844 | 855 | 857 | 640 |
| 145° | 1007 | 1008 | 1011 | 1016 | 1016 | 628 |
| 155° | 1152 | 1152 | 1153 | 1156 | 1150 | 530 |
| 165° | 1254 | 1252 | 1251 | 1257 | 1250 | 354 |
| 175° | 1305 | 1301 | 1301 | 1306 | 1300 | 124 |
| 180° | 1308 | 1308 | 1308 | 1308 | 1308 | |



TEST NUMBER: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-UDD-D1

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° | 22.3 | 31.9 | 41.5 | 51.2 | 60.8 | 70.7 | 80.6 | 90.6 | 100.6 | 110.6 | 117.1 |
| 90° | 11.8 | 23.1 | 34.5 | 45.8 | 57.0 | 68.9 | 81.3 | 93.6 | 106.0 | 118.4 | 125.6 |
| 92.5° | 35.0 | 44.7 | 54.4 | 64.1 | 73.8 | 84.1 | 95.1 | 106.0 | 116.9 | 127.9 | 134.8 |
| 95° | 69.7 | 78.5 | 87.3 | 96.1 | 104.9 | 114.7 | 125.6 | 136.4 | 147.3 | 158.1 | 164.8 |
| 97.5° | 115.8 | 123.5 | 131.2 | 138.9 | 146.5 | 155.3 | 165.2 | 175.2 | 185.2 | 195.1 | 201.7 |
| 100° | 147.2 | 154.5 | 161.8 | 169.0 | 176.3 | 184.7 | 194.3 | 204.0 | 213.6 | 223.2 | 229.3 |
| 102.5° | 183.5 | 189.6 | 195.7 | 201.9 | 208.0 | 216.0 | 225.9 | 235.7 | 245.6 | 255.4 | 261.3 |
| 105° | 237.8 | 242.7 | 247.6 | 252.5 | 257.3 | 264.7 | 274.7 | 284.7 | 294.7 | 304.7 | 309.8 |
| 107.5° | 300.1 | 304.1 | 308.2 | 312.2 | 316.2 | 322.4 | 330.7 | 339.1 | 347.5 | 355.8 | 361.5 |
| 110° | 338.9 | 342.7 | 346.4 | 350.2 | 354.0 | 359.8 | 367.7 | 375.5 | 383.3 | 391.1 | 396.8 |



TEST NUMBER: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 380.0 | 383.0 | 386.0 | 389.0 | 392.0 | 397.1 | 404.3 | 411.5 | 418.6 | 425.8 | 431.5 |
| 115° | 440.8 | 443.7 | 446.6 | 449.5 | 452.4 | 456.9 | 463.1 | 469.3 | 475.5 | 481.6 | 486.3 |
| 117.5° | 502.7 | 504.5 | 506.4 | 508.2 | 510.0 | 513.7 | 519.4 | 525.0 | 530.6 | 536.2 | 540.6 |
| 120° | 540.7 | 543.0 | 545.3 | 547.6 | 549.9 | 553.4 | 558.4 | 563.3 | 568.3 | 573.2 | 577.3 |
| 122.5° | 580.9 | 582.4 | 583.9 | 585.4 | 586.8 | 590.3 | 595.4 | 600.6 | 605.8 | 611.0 | 614.5 |
| 125° | 641.6 | 642.2 | 642.9 | 643.6 | 644.3 | 647.1 | 652.0 | 656.9 | 661.8 | 666.6 | 669.6 |
| 127.5° | 698.3 | 699.6 | 700.8 | 702.1 | 703.4 | 706.0 | 709.9 | 713.8 | 717.7 | 721.7 | 724.1 |
| 130° | 736.1 | 737.8 | 739.3 | 741.0 | 742.7 | 745.0 | 748.0 | 751.0 | 754.0 | 757.0 | 759.5 |
| 132.5° | 773.2 | 775.0 | 776.8 | 778.6 | 780.4 | 782.5 | 785.0 | 787.4 | 789.9 | 792.3 | 794.6 |
| 135° | 830.8 | 832.0 | 833.1 | 834.3 | 835.5 | 837.0 | 838.8 | 840.7 | 842.4 | 844.2 | 846.6 |
| 137.5° | 884.1 | 885.0 | 886.1 | 887.1 | 888.0 | 889.4 | 891.1 | 892.9 | 894.6 | 896.4 | 898.3 |
| 140° | 920.4 | 921.5 | 922.7 | 923.8 | 925.0 | 925.9 | 926.7 | 927.5 | 928.3 | 929.1 | 931.6 |
| 142.5° | 954.1 | 955.1 | 956.1 | 957.0 | 958.1 | 958.9 | 959.3 | 959.9 | 960.4 | 960.9 | 963.1 |
| 145° | 1006.7 | 1006.9 | 1007.3 | 1007.5 | 1007.8 | 1008.3 | 1008.9 | 1009.6 | 1010.3 | 1011.0 | 1012.3 |
| 147.5° | 1051.9 | 1052.7 | 1053.5 | 1054.4 | 1055.2 | 1055.9 | 1056.5 | 1057.2 | 1057.8 | 1058.4 | 1058.9 |
| 150° | 1083.9 | 1084.4 | 1084.9 | 1085.3 | 1085.8 | 1086.2 | 1086.7 | 1087.1 | 1087.6 | 1088.1 | 1088.1 |
| 152.5° | 1110.2 | 1110.9 | 1111.5 | 1112.1 | 1112.8 | 1113.3 | 1113.6 | 1113.8 | 1114.1 | 1114.4 | 1114.8 |
| 155° | 1151.8 | 1151.8 | 1151.8 | 1151.8 | 1151.8 | 1151.9 | 1152.1 | 1152.3 | 1152.5 | 1152.8 | 1153.7 |
| 157.5° | 1187.1 | 1186.8 | 1186.5 | 1186.3 | 1186.0 | 1186.0 | 1186.1 | 1186.3 | 1186.5 | 1186.7 | 1187.6 |
| 160° | 1209.3 | 1208.9 | 1208.4 | 1207.9 | 1207.4 | 1207.2 | 1207.2 | 1207.2 | 1207.2 | 1207.2 | 1208.4 |
| 162.5° | 1229.0 | 1228.4 | 1227.7 | 1227.1 | 1226.5 | 1226.2 | 1226.5 | 1226.6 | 1226.8 | 1226.9 | 1228.1 |
| 165° | 1254.5 | 1253.8 | 1253.2 | 1252.4 | 1251.8 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1251.4 | 1252.8 |
| 167.5° | 1274.9 | 1273.9 | 1273.0 | 1272.1 | 1271.2 | 1270.8 | 1271.0 | 1271.2 | 1271.4 | 1271.5 | 1273.0 |
| 170° | 1286.3 | 1285.5 | 1284.5 | 1283.7 | 1282.7 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1282.2 | 1283.8 |
| 172.5° | 1295.4 | 1294.5 | 1293.6 | 1292.7 | 1291.7 | 1291.3 | 1291.3 | 1291.3 | 1291.3 | 1291.3 | 1292.7 |
| 175° | 1304.9 | 1303.9 | 1303.1 | 1302.1 | 1301.2 | 1300.8 | 1300.8 | 1300.8 | 1300.8 | 1300.8 | 1302.1 |
| 177.5° | 1308.8 | 1308.1 | 1307.3 | 1306.5 | 1305.8 | 1305.4 | 1305.4 | 1305.4 | 1305.4 | 1305.4 | 1306.5 |
| 180° | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 |



TEST NUMBER: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-UDD-D1

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° | 123.5 | 129.9 | 136.4 | 140.6 | 142.5 | 144.5 | 146.4 | 148.4 |
| 90° | 132.8 | 139.9 | 147.1 | 151.9 | 154.2 | 156.5 | 158.8 | 161.1 |
| 92.5° | 141.6 | 148.5 | 155.3 | 159.4 | 160.8 | 162.2 | 163.7 | 165.1 |
| 95° | 171.4 | 178.0 | 184.7 | 188.9 | 190.8 | 192.6 | 194.4 | 196.3 |
| 97.5° | 208.2 | 214.8 | 221.3 | 225.5 | 227.2 | 228.9 | 230.7 | 232.4 |
| 100° | 235.3 | 241.3 | 247.3 | 251.5 | 253.8 | 256.1 | 258.4 | 260.7 |
| 102.5° | 267.1 | 273.1 | 278.9 | 282.7 | 284.5 | 286.2 | 288.0 | 289.7 |
| 105° | 315.0 | 320.2 | 325.3 | 329.0 | 331.1 | 333.2 | 335.3 | 337.5 |
| 107.5° | 367.2 | 372.8 | 378.5 | 382.0 | 383.3 | 384.7 | 386.0 | 387.4 |
| 110° | 402.5 | 408.2 | 413.9 | 417.3 | 418.4 | 419.3 | 420.3 | 421.4 |



TEST NUMBER: P332171-927

CATALOG NUMBER: S123DIW-S775D1320U927-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 437.3 | 443.0 | 448.7 | 452.3 | 453.9 | 455.4 | 456.9 | 458.5 |
| 115° | 491.0 | 495.6 | 500.3 | 503.2 | 504.5 | 505.7 | 506.9 | 508.2 |
| 117.5° | 544.9 | 549.3 | 553.7 | 556.2 | 557.0 | 557.8 | 558.6 | 559.4 |
| 120° | 581.2 | 585.3 | 589.2 | 591.7 | 592.6 | 593.3 | 594.2 | 595.0 |
| 122.5° | 618.0 | 621.5 | 625.0 | 627.1 | 627.7 | 628.4 | 629.0 | 629.7 |
| 125° | 672.6 | 675.5 | 678.5 | 680.2 | 680.5 | 680.9 | 681.3 | 681.7 |
| 127.5° | 726.4 | 728.8 | 731.2 | 732.5 | 732.6 | 732.8 | 733.1 | 733.2 |
| 130° | 762.2 | 764.8 | 767.3 | 768.4 | 767.9 | 767.4 | 766.9 | 766.4 |
| 132.5° | 796.8 | 799.1 | 801.3 | 802.5 | 802.5 | 802.5 | 802.6 | 802.6 |
| 135° | 849.1 | 851.4 | 853.9 | 855.3 | 855.8 | 856.2 | 856.7 | 857.1 |
| 137.5° | 900.2 | 902.2 | 904.2 | 905.1 | 905.2 | 905.3 | 905.3 | 905.4 |
| 140° | 934.1 | 936.7 | 939.2 | 940.1 | 939.4 | 938.7 | 938.1 | 937.4 |
| 142.5° | 965.4 | 967.7 | 969.9 | 970.8 | 970.5 | 970.2 | 969.9 | 969.6 |
| 145° | 1013.5 | 1014.7 | 1016.0 | 1016.5 | 1016.4 | 1016.1 | 1016.0 | 1015.8 |
| 147.5° | 1059.4 | 1059.8 | 1060.3 | 1060.1 | 1059.4 | 1058.7 | 1058.0 | 1057.2 |
| 150° | 1088.1 | 1088.1 | 1088.1 | 1087.6 | 1086.6 | 1085.5 | 1084.6 | 1083.5 |
| 152.5° | 1115.1 | 1115.5 | 1115.8 | 1115.5 | 1114.4 | 1113.3 | 1112.1 | 1111.0 |
| 155° | 1154.6 | 1155.6 | 1156.4 | 1156.1 | 1154.5 | 1152.9 | 1151.3 | 1149.7 |
| 157.5° | 1188.6 | 1189.5 | 1190.6 | 1190.3 | 1189.1 | 1187.8 | 1186.5 | 1185.3 |
| 160° | 1209.5 | 1210.7 | 1211.8 | 1212.0 | 1211.0 | 1210.1 | 1209.2 | 1208.2 |
| 162.5° | 1229.2 | 1230.4 | 1231.5 | 1231.4 | 1229.9 | 1228.4 | 1227.0 | 1225.5 |
| 165° | 1254.2 | 1255.5 | 1256.9 | 1256.8 | 1255.2 | 1253.6 | 1252.0 | 1250.4 |
| 167.5° | 1274.4 | 1275.8 | 1277.2 | 1277.2 | 1275.8 | 1274.4 | 1273.0 | 1271.5 |
| 170° | 1285.5 | 1287.1 | 1288.6 | 1288.6 | 1287.1 | 1285.5 | 1283.8 | 1282.2 |
| 172.5° | 1294.1 | 1295.5 | 1297.0 | 1296.9 | 1295.3 | 1293.6 | 1292.0 | 1290.5 |
| 175° | 1303.5 | 1304.9 | 1306.2 | 1306.1 | 1304.5 | 1302.9 | 1301.3 | 1299.7 |
| 177.5° | 1307.7 | 1308.8 | 1309.9 | 1309.8 | 1308.4 | 1307.2 | 1305.9 | 1304.6 |
| 180° | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 | 1308.0 |

(END OF REPORT)