

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: P331998-927

Luminaire Tested: **S123DIP-S775D1195U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331998-927
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: S123DIP-S775D1195U927-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5760.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

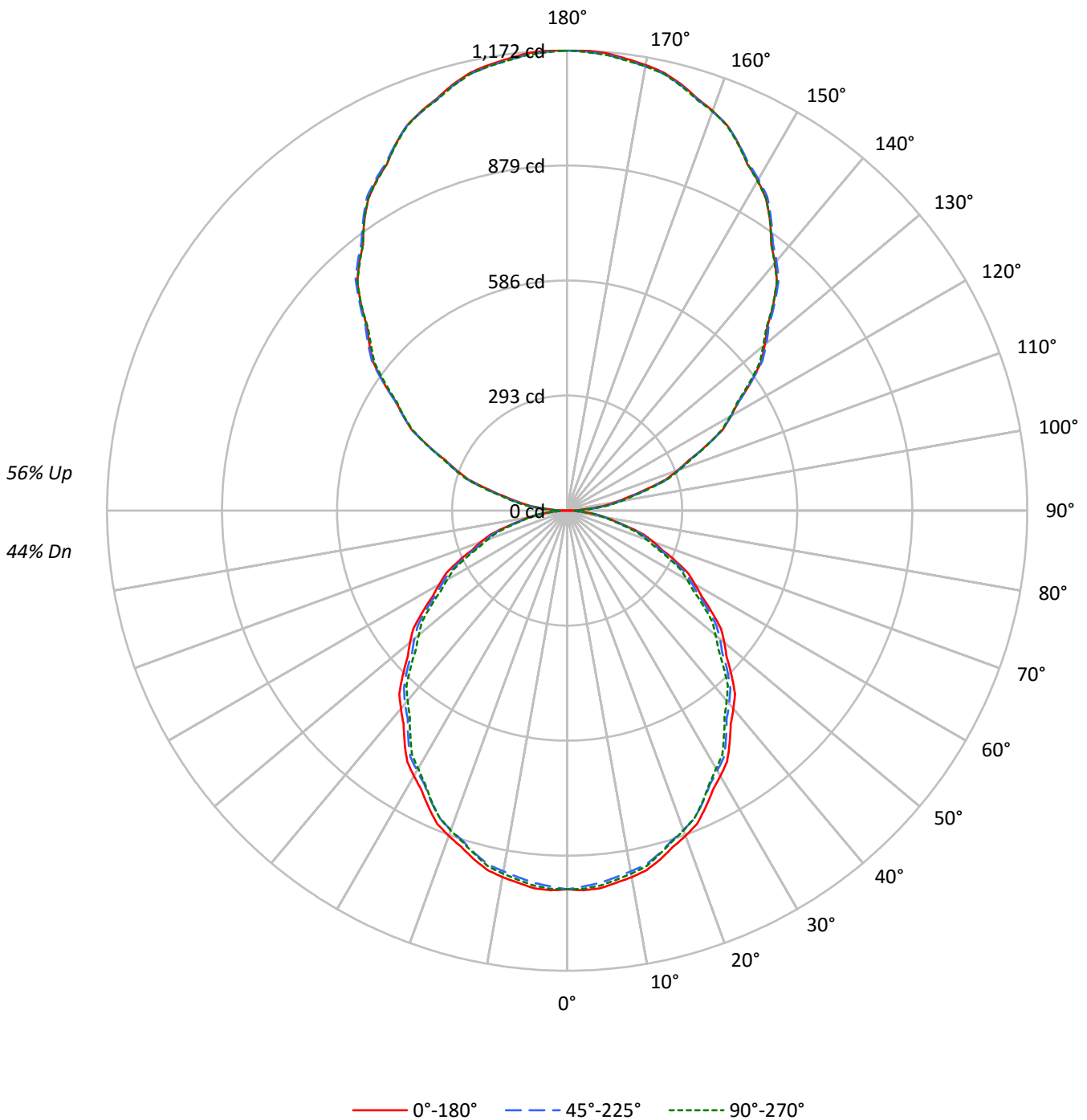
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | | 64 | 64 | 64 | | 50 | 50 | 50 | 44 |
| 1 | 96 | 92 | 88 | 85 | 88 | 84 | 81 | 78 | 70 | 67 | 65 | | 57 | 55 | 53 | | 44 | 43 | 42 | 37 |
| 2 | 88 | 80 | 74 | 69 | 80 | 74 | 68 | 64 | 61 | 57 | 54 | | 50 | 47 | 45 | | 39 | 37 | 36 | 31 |
| 3 | 80 | 71 | 63 | 57 | 73 | 65 | 58 | 53 | 54 | 49 | 45 | | 44 | 40 | 38 | | 35 | 32 | 30 | 26 |
| 4 | 73 | 62 | 55 | 49 | 67 | 57 | 50 | 45 | 48 | 43 | 39 | | 39 | 35 | 32 | | 31 | 28 | 26 | 22 |
| 5 | 67 | 55 | 47 | 41 | 61 | 51 | 44 | 39 | 43 | 37 | 33 | | 35 | 31 | 28 | | 28 | 25 | 23 | 19 |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 34 | 38 | 33 | 29 | | 32 | 28 | 24 | | 25 | 22 | 20 | 17 |
| 7 | 57 | 45 | 37 | 31 | 52 | 41 | 34 | 29 | 35 | 29 | 25 | | 29 | 25 | 22 | | 23 | 20 | 18 | 15 |
| 8 | 53 | 41 | 33 | 28 | 48 | 38 | 31 | 26 | 32 | 26 | 23 | | 26 | 22 | 19 | | 21 | 18 | 16 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | | 24 | 20 | 17 | | 19 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 27 | 22 | 18 | | 22 | 18 | 16 | | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10384 | 10384 | 10384 |
| 5° | 10432 | 10289 | 10361 |
| 10° | 10363 | 10200 | 10263 |
| 15° | 10242 | 10085 | 10104 |
| 20° | 10100 | 9919 | 9929 |
| 25° | 9911 | 9723 | 9704 |
| 30° | 9701 | 9506 | 9434 |
| 35° | 9483 | 9276 | 9155 |
| 40° | 9254 | 9021 | 8882 |
| 45° | 9003 | 8788 | 8573 |
| 50° | 8751 | 8500 | 8264 |
| 55° | 8422 | 8203 | 7955 |
| 60° | 8088 | 7858 | 7608 |
| 65° | 7796 | 7480 | 7246 |
| 70° | 7361 | 7046 | 6735 |
| 75° | 6729 | 6488 | 6209 |
| 80° | 6069 | 5808 | 5759 |
| 85° | 5323 | 5125 | 4915 |



TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 90.9 | 1.6 |
| 10°-20° | 256.6 | 4.5 |
| 20°-30° | 379.0 | 6.6 |
| 30°-40° | 442.7 | 7.7 |
| 40°-50° | 445.1 | 7.7 |
| 50°-60° | 391.0 | 6.8 |
| 60°-70° | 291.3 | 5.1 |
| 70°-80° | 166.0 | 2.9 |
| 80°-90° | 51.1 | 0.9 |
| 90°-100° | 76.3 | 1.3 |
| 100°-110° | 228.5 | 4.0 |
| 110°-120° | 388.6 | 6.7 |
| 120°-130° | 511.1 | 8.9 |
| 130°-140° | 574.5 | 10.0 |
| 140°-150° | 564.7 | 9.8 |
| 150°-160° | 475.4 | 8.3 |
| 160°-170° | 316.5 | 5.5 |
| 170°-180° | 110.8 | 1.9 |
| 0°-30° | 726.5 | 12.6 |
| 0°-40° | 1169.2 | 20.3 |
| 0°-60° | 2005.3 | 34.8 |
| 0°-90° | 2513.7 | 43.6 |
| 90°-120° | 693.4 | 12.0 |
| 90°-150° | 2343.7 | 40.7 |
| 90°-180° | 3246.0 | 56.4 |
| 0°-180° | 5760.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 965 | 965 | 965 | 965 | 965 | |
| 5° | 966 | 961 | 952 | 960 | 959 | 91 |
| 15° | 919 | 915 | 905 | 911 | 907 | 259 |
| 25° | 834 | 829 | 819 | 819 | 817 | 384 |
| 35° | 722 | 716 | 706 | 701 | 697 | 451 |
| 45° | 591 | 588 | 577 | 568 | 563 | 456 |
| 55° | 449 | 447 | 437 | 428 | 424 | 402 |
| 65° | 306 | 302 | 294 | 287 | 284 | 302 |
| 75° | 162 | 158 | 156 | 152 | 149 | 173 |
| 85° | 43 | 42 | 42 | 40 | 40 | 47 |
| 90° | 1 | 10 | 22 | 26 | 28 | 6 |
| 95° | 54 | 61 | 68 | 72 | 72 | 61 |
| 105° | 207 | 209 | 217 | 217 | 219 | 222 |
| 115° | 391 | 394 | 392 | 393 | 392 | 387 |
| 125° | 572 | 575 | 574 | 570 | 566 | 510 |
| 135° | 743 | 748 | 747 | 744 | 742 | 572 |
| 145° | 901 | 903 | 906 | 905 | 901 | 563 |
| 155° | 1032 | 1032 | 1033 | 1036 | 1030 | 475 |
| 165° | 1124 | 1121 | 1121 | 1126 | 1120 | 317 |
| 175° | 1169 | 1165 | 1165 | 1170 | 1164 | 111 |
| 180° | 1172 | 1172 | 1172 | 1172 | 1172 | |



TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 |
| 2.5° | 968.0 | 967.4 | 966.9 | 966.2 | 965.7 | 964.6 | 962.9 | 961.3 | 959.6 | 958.1 | 959.5 |
| 5° | 965.5 | 964.6 | 963.7 | 962.7 | 961.8 | 960.4 | 958.3 | 956.3 | 954.3 | 952.2 | 954.1 |
| 7.5° | 956.1 | 955.1 | 954.2 | 953.3 | 952.4 | 950.9 | 948.7 | 946.7 | 944.5 | 942.5 | 944.1 |
| 10° | 948.1 | 947.1 | 946.3 | 945.3 | 944.4 | 942.8 | 940.3 | 937.9 | 935.6 | 933.2 | 934.9 |
| 12.5° | 937.5 | 936.7 | 936.0 | 935.2 | 934.4 | 932.9 | 930.7 | 928.4 | 926.1 | 923.8 | 925.1 |
| 15° | 919.1 | 918.3 | 917.6 | 916.9 | 916.1 | 914.6 | 912.1 | 909.7 | 907.4 | 905.0 | 906.4 |
| 17.5° | 897.6 | 896.7 | 895.7 | 894.8 | 893.8 | 892.2 | 889.8 | 887.3 | 884.9 | 882.6 | 883.6 |
| 20° | 881.7 | 880.6 | 879.6 | 878.5 | 877.3 | 875.5 | 873.1 | 870.8 | 868.4 | 865.9 | 866.7 |
| 22.5° | 863.8 | 862.7 | 861.6 | 860.5 | 859.4 | 857.6 | 855.2 | 852.9 | 850.5 | 848.0 | 848.7 |
| 25° | 834.5 | 833.4 | 832.3 | 831.2 | 830.0 | 828.3 | 825.9 | 823.5 | 821.1 | 818.7 | 818.9 |
| 27.5° | 803.1 | 802.0 | 801.0 | 799.9 | 798.8 | 797.0 | 794.4 | 791.9 | 789.3 | 786.6 | 786.8 |
| 30° | 780.5 | 779.6 | 778.7 | 777.8 | 776.8 | 775.1 | 772.5 | 769.9 | 767.4 | 764.8 | 764.8 |
| 32.5° | 758.0 | 756.8 | 755.5 | 754.3 | 753.1 | 751.5 | 749.5 | 747.5 | 745.5 | 743.5 | 742.5 |
| 35° | 721.7 | 720.6 | 719.5 | 718.4 | 717.2 | 715.5 | 713.0 | 710.7 | 708.3 | 705.9 | 704.8 |
| 37.5° | 684.4 | 683.1 | 681.7 | 680.2 | 678.9 | 677.0 | 674.5 | 672.1 | 669.6 | 667.3 | 665.9 |
| 40° | 658.6 | 657.5 | 656.4 | 655.3 | 654.2 | 652.4 | 649.7 | 647.2 | 644.6 | 642.0 | 640.6 |
| 42.5° | 632.7 | 631.4 | 630.2 | 629.0 | 627.7 | 625.8 | 623.2 | 620.6 | 618.1 | 615.4 | 614.0 |
| 45° | 591.4 | 590.7 | 589.9 | 589.2 | 588.4 | 586.9 | 584.5 | 582.1 | 579.7 | 577.3 | 575.1 |
| 47.5° | 550.4 | 549.4 | 548.3 | 547.2 | 546.1 | 544.5 | 542.2 | 540.0 | 537.7 | 535.5 | 533.3 |
| 50° | 522.6 | 521.7 | 520.7 | 519.8 | 518.9 | 517.2 | 514.8 | 512.5 | 510.0 | 507.6 | 505.6 |
| 52.5° | 493.4 | 492.7 | 492.1 | 491.5 | 490.8 | 489.3 | 486.7 | 484.2 | 481.6 | 479.1 | 477.4 |
| 55° | 448.8 | 448.5 | 448.4 | 448.2 | 448.0 | 446.7 | 444.3 | 442.0 | 439.5 | 437.1 | 435.1 |
| 57.5° | 406.3 | 405.7 | 405.0 | 404.4 | 403.8 | 402.5 | 400.6 | 398.6 | 396.7 | 394.8 | 393.0 |
| 60° | 375.7 | 375.6 | 375.4 | 375.2 | 375.0 | 373.8 | 371.6 | 369.4 | 367.2 | 365.0 | 363.3 |
| 62.5° | 348.6 | 348.1 | 347.6 | 347.1 | 346.7 | 345.3 | 343.1 | 340.9 | 338.7 | 336.4 | 334.8 |
| 65° | 306.1 | 305.1 | 304.2 | 303.3 | 302.4 | 301.0 | 299.1 | 297.3 | 295.5 | 293.7 | 292.2 |
| 67.5° | 261.1 | 260.3 | 259.5 | 258.6 | 257.9 | 256.7 | 255.4 | 254.0 | 252.5 | 251.2 | 249.9 |
| 70° | 233.9 | 232.8 | 231.7 | 230.6 | 229.5 | 228.4 | 227.3 | 226.2 | 225.1 | 223.9 | 222.7 |
| 72.5° | 205.4 | 204.5 | 203.7 | 203.0 | 202.2 | 201.1 | 199.9 | 198.6 | 197.3 | 196.1 | 195.0 |
| 75° | 161.8 | 161.0 | 160.3 | 159.5 | 158.8 | 158.1 | 157.6 | 157.0 | 156.5 | 156.0 | 155.0 |
| 77.5° | 123.1 | 122.7 | 122.3 | 121.9 | 121.4 | 121.0 | 120.3 | 119.6 | 119.0 | 118.3 | 117.6 |
| 80° | 97.9 | 97.4 | 96.8 | 96.3 | 95.7 | 95.2 | 94.8 | 94.5 | 94.1 | 93.7 | 93.6 |
| 82.5° | 73.4 | 73.2 | 73.1 | 73.0 | 72.9 | 72.8 | 72.7 | 72.6 | 72.6 | 72.5 | 72.2 |
| 85° | 43.1 | 42.8 | 42.4 | 42.1 | 41.7 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.1 |
| 87.5° | 17.4 | 17.4 | 17.3 | 17.3 | 17.3 | 17.5 | 17.9 | 18.2 | 18.6 | 19.0 | 19.0 |
| 90° | 1.0 | 2.9 | 5.0 | 7.1 | 9.1 | 11.5 | 14.1 | 16.8 | 19.4 | 22.1 | 22.9 |
| 92.5° | 22.3 | 23.7 | 25.0 | 26.5 | 27.8 | 29.3 | 30.8 | 32.3 | 33.8 | 35.3 | 36.0 |
| 95° | 54.3 | 55.8 | 57.2 | 58.6 | 60.0 | 61.6 | 63.2 | 64.8 | 66.5 | 68.1 | 68.9 |
| 97.5° | 96.5 | 97.5 | 98.6 | 99.7 | 100.7 | 101.9 | 103.1 | 104.3 | 105.4 | 106.5 | 107.5 |
| 100° | 125.2 | 126.4 | 127.6 | 128.9 | 130.1 | 131.2 | 132.2 | 133.2 | 134.3 | 135.3 | 135.9 |
| 102.5° | 158.3 | 159.1 | 159.8 | 160.5 | 161.3 | 162.3 | 163.7 | 165.0 | 166.4 | 167.7 | 168.3 |
| 105° | 207.1 | 207.5 | 207.9 | 208.3 | 208.7 | 209.8 | 211.7 | 213.6 | 215.4 | 217.2 | 217.2 |
| 107.5° | 263.8 | 264.0 | 264.3 | 264.5 | 264.7 | 265.3 | 266.0 | 266.7 | 267.4 | 268.2 | 268.9 |
| 110° | 299.1 | 299.5 | 299.9 | 300.4 | 300.8 | 301.2 | 301.6 | 302.0 | 302.4 | 302.9 | 303.6 |



TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 336.0 | 336.2 | 336.4 | 336.7 | 336.9 | 337.1 | 337.2 | 337.2 | 337.3 | 337.4 | 338.4 |
| 115° | 391.2 | 391.8 | 392.4 | 393.0 | 393.6 | 393.7 | 393.3 | 392.9 | 392.5 | 392.1 | 392.3 |
| 117.5° | 446.8 | 447.2 | 447.6 | 448.0 | 448.4 | 448.4 | 447.8 | 447.3 | 446.8 | 446.2 | 446.2 |
| 120° | 481.4 | 482.6 | 483.9 | 485.1 | 486.3 | 486.4 | 485.4 | 484.3 | 483.3 | 482.3 | 482.1 |
| 122.5° | 517.5 | 518.3 | 519.3 | 520.1 | 521.1 | 521.3 | 520.7 | 520.1 | 519.7 | 519.1 | 518.6 |
| 125° | 572.5 | 573.1 | 573.7 | 574.3 | 575.0 | 575.0 | 574.6 | 574.3 | 573.9 | 573.5 | 572.6 |
| 127.5° | 623.3 | 624.6 | 625.9 | 627.2 | 628.5 | 629.0 | 628.5 | 628.0 | 627.6 | 627.2 | 626.1 |
| 130° | 657.2 | 658.8 | 660.4 | 662.1 | 663.7 | 664.2 | 663.6 | 663.0 | 662.4 | 661.8 | 661.0 |
| 132.5° | 691.0 | 692.7 | 694.3 | 695.9 | 697.6 | 698.2 | 697.8 | 697.3 | 696.8 | 696.4 | 695.4 |
| 135° | 742.8 | 744.0 | 745.2 | 746.5 | 747.7 | 748.2 | 748.0 | 747.8 | 747.6 | 747.3 | 746.6 |
| 137.5° | 790.7 | 791.6 | 792.7 | 793.7 | 794.7 | 795.5 | 796.1 | 796.5 | 797.1 | 797.6 | 796.8 |
| 140° | 823.8 | 824.8 | 825.9 | 826.9 | 827.8 | 828.5 | 828.7 | 828.9 | 829.1 | 829.3 | 829.1 |
| 142.5° | 854.0 | 855.0 | 856.0 | 857.1 | 858.1 | 858.7 | 859.1 | 859.5 | 859.8 | 860.2 | 860.0 |
| 145° | 901.1 | 901.5 | 901.9 | 902.3 | 902.7 | 903.2 | 903.9 | 904.4 | 905.1 | 905.7 | 905.5 |
| 147.5° | 942.3 | 943.1 | 943.8 | 944.5 | 945.3 | 945.9 | 946.5 | 947.1 | 947.6 | 948.2 | 948.2 |
| 150° | 971.1 | 971.5 | 971.8 | 972.2 | 972.7 | 973.1 | 973.5 | 973.9 | 974.3 | 974.7 | 974.7 |
| 152.5° | 994.6 | 995.2 | 995.8 | 996.3 | 996.9 | 997.3 | 997.5 | 997.8 | 998.1 | 998.3 | 998.6 |
| 155° | 1031.8 | 1031.8 | 1031.8 | 1031.8 | 1031.8 | 1031.9 | 1032.1 | 1032.3 | 1032.5 | 1032.7 | 1033.6 |
| 157.5° | 1063.4 | 1063.2 | 1063.0 | 1062.7 | 1062.5 | 1062.4 | 1062.6 | 1062.8 | 1063.0 | 1063.1 | 1064.0 |
| 160° | 1083.3 | 1082.9 | 1082.5 | 1082.1 | 1081.7 | 1081.5 | 1081.5 | 1081.5 | 1081.5 | 1081.5 | 1082.5 |
| 162.5° | 1101.0 | 1100.4 | 1099.9 | 1099.3 | 1098.8 | 1098.5 | 1098.7 | 1098.8 | 1099.0 | 1099.2 | 1100.2 |
| 165° | 1123.9 | 1123.2 | 1122.6 | 1122.0 | 1121.4 | 1121.1 | 1121.1 | 1121.1 | 1121.1 | 1121.1 | 1122.3 |
| 167.5° | 1142.1 | 1141.2 | 1140.4 | 1139.6 | 1138.8 | 1138.4 | 1138.6 | 1138.8 | 1138.9 | 1139.1 | 1140.3 |
| 170° | 1152.4 | 1151.5 | 1150.7 | 1149.9 | 1149.1 | 1148.7 | 1148.7 | 1148.7 | 1148.7 | 1148.7 | 1150.1 |
| 172.5° | 1160.5 | 1159.7 | 1158.8 | 1158.0 | 1157.2 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1156.8 | 1158.1 |
| 175° | 1168.9 | 1168.2 | 1167.3 | 1166.5 | 1165.7 | 1165.2 | 1165.2 | 1165.2 | 1165.2 | 1165.2 | 1166.5 |
| 177.5° | 1172.4 | 1171.8 | 1171.2 | 1170.4 | 1169.8 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1170.4 |
| 180° | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 |



TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 | 964.7 |
| 2.5° | 961.0 | 962.5 | 963.9 | 964.6 | 964.5 | 964.3 | 964.2 | 964.0 |
| 5° | 955.9 | 957.7 | 959.6 | 960.4 | 960.0 | 959.6 | 959.3 | 958.9 |
| 7.5° | 945.8 | 947.5 | 949.1 | 949.8 | 949.6 | 949.4 | 949.1 | 949.0 |
| 10° | 936.5 | 938.1 | 939.8 | 940.5 | 940.1 | 939.7 | 939.4 | 939.0 |
| 12.5° | 926.3 | 927.5 | 928.8 | 929.2 | 929.0 | 928.8 | 928.6 | 928.4 |
| 15° | 907.9 | 909.3 | 910.9 | 911.0 | 909.9 | 908.8 | 907.8 | 906.7 |
| 17.5° | 884.6 | 885.7 | 886.7 | 887.0 | 886.6 | 886.2 | 885.8 | 885.4 |
| 20° | 867.4 | 868.2 | 868.9 | 869.0 | 868.5 | 867.9 | 867.4 | 866.8 |
| 22.5° | 849.2 | 849.9 | 850.4 | 850.3 | 849.7 | 849.0 | 848.3 | 847.6 |
| 25° | 819.0 | 819.3 | 819.4 | 819.3 | 818.7 | 818.2 | 817.6 | 817.1 |
| 27.5° | 787.0 | 787.1 | 787.3 | 787.0 | 786.3 | 785.6 | 784.9 | 784.2 |
| 30° | 764.8 | 764.8 | 764.8 | 764.1 | 762.9 | 761.5 | 760.3 | 759.0 |
| 32.5° | 741.5 | 740.5 | 739.4 | 738.6 | 737.8 | 737.1 | 736.4 | 735.8 |
| 35° | 703.7 | 702.6 | 701.5 | 700.4 | 699.5 | 698.6 | 697.7 | 696.7 |
| 37.5° | 664.6 | 663.2 | 661.9 | 661.0 | 660.4 | 659.8 | 659.2 | 658.6 |
| 40° | 639.1 | 637.6 | 636.1 | 635.0 | 634.3 | 633.5 | 632.8 | 632.1 |
| 42.5° | 612.5 | 611.0 | 609.6 | 608.5 | 607.8 | 607.0 | 606.3 | 605.5 |
| 45° | 572.9 | 570.7 | 568.5 | 566.9 | 566.0 | 565.1 | 564.1 | 563.2 |
| 47.5° | 531.2 | 529.0 | 526.8 | 525.3 | 524.5 | 523.7 | 522.9 | 522.0 |
| 50° | 503.6 | 501.5 | 499.6 | 498.0 | 496.9 | 495.7 | 494.6 | 493.5 |
| 52.5° | 475.6 | 473.9 | 472.1 | 470.8 | 469.7 | 468.6 | 467.5 | 466.4 |
| 55° | 433.1 | 431.0 | 429.0 | 427.5 | 426.6 | 425.7 | 424.8 | 423.9 |
| 57.5° | 391.2 | 389.4 | 387.6 | 386.2 | 385.1 | 384.0 | 382.9 | 381.9 |
| 60° | 361.6 | 360.0 | 358.3 | 357.0 | 356.1 | 355.2 | 354.3 | 353.4 |
| 62.5° | 333.1 | 331.4 | 329.8 | 328.7 | 328.0 | 327.4 | 326.8 | 326.1 |
| 65° | 290.7 | 289.2 | 287.7 | 286.7 | 286.1 | 285.6 | 285.0 | 284.5 |
| 67.5° | 248.6 | 247.3 | 246.0 | 244.9 | 244.2 | 243.4 | 242.6 | 241.9 |
| 70° | 221.4 | 220.1 | 218.8 | 217.7 | 216.7 | 215.9 | 214.9 | 214.0 |
| 72.5° | 193.8 | 192.7 | 191.5 | 190.7 | 190.2 | 189.7 | 189.3 | 188.8 |
| 75° | 154.1 | 153.2 | 152.3 | 151.5 | 151.0 | 150.4 | 149.9 | 149.3 |
| 77.5° | 117.0 | 116.4 | 115.7 | 115.5 | 115.5 | 115.5 | 115.5 | 115.5 |
| 80° | 93.4 | 93.2 | 93.0 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 82.5° | 71.9 | 71.5 | 71.1 | 70.9 | 70.8 | 70.7 | 70.5 | 70.3 |
| 85° | 40.7 | 40.4 | 40.0 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 87.5° | 19.0 | 19.1 | 19.1 | 19.1 | 19.3 | 19.3 | 19.4 | 19.5 |
| 90° | 23.8 | 24.6 | 25.3 | 26.0 | 26.4 | 26.8 | 27.2 | 27.6 |
| 92.5° | 36.7 | 37.3 | 37.9 | 38.2 | 37.9 | 37.7 | 37.4 | 37.2 |
| 95° | 69.7 | 70.6 | 71.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 97.5° | 108.4 | 109.4 | 110.4 | 110.7 | 110.7 | 110.6 | 110.5 | 110.4 |
| 100° | 136.5 | 137.1 | 137.8 | 138.2 | 138.7 | 139.1 | 139.5 | 139.9 |
| 102.5° | 168.9 | 169.5 | 170.2 | 170.4 | 170.3 | 170.2 | 170.2 | 170.1 |
| 105° | 217.2 | 217.2 | 217.2 | 217.5 | 217.9 | 218.2 | 218.6 | 219.0 |
| 107.5° | 269.5 | 270.2 | 270.8 | 271.0 | 270.8 | 270.5 | 270.3 | 270.1 |
| 110° | 304.4 | 305.3 | 306.1 | 306.3 | 305.9 | 305.5 | 305.1 | 304.7 |



TEST NUMBER: P331998-927

CATALOG NUMBER: S123DIP-S775D1195U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 339.4 | 340.4 | 341.4 | 341.8 | 341.7 | 341.7 | 341.6 | 341.5 |
| 115° | 392.5 | 392.7 | 392.9 | 392.9 | 392.7 | 392.5 | 392.3 | 392.1 |
| 117.5° | 446.2 | 446.1 | 446.1 | 445.8 | 445.2 | 444.6 | 444.0 | 443.5 |
| 120° | 481.9 | 481.7 | 481.5 | 481.2 | 480.8 | 480.4 | 480.0 | 479.5 |
| 122.5° | 518.1 | 517.5 | 517.0 | 516.4 | 515.9 | 515.3 | 514.7 | 514.1 |
| 125° | 571.8 | 571.0 | 570.1 | 569.3 | 568.5 | 567.7 | 566.9 | 566.1 |
| 127.5° | 624.9 | 623.8 | 622.6 | 621.5 | 620.6 | 619.6 | 618.7 | 617.8 |
| 130° | 660.1 | 659.3 | 658.5 | 657.4 | 655.9 | 654.5 | 653.1 | 651.6 |
| 132.5° | 694.4 | 693.5 | 692.4 | 691.4 | 690.3 | 689.2 | 688.1 | 687.0 |
| 135° | 745.8 | 744.9 | 744.1 | 743.5 | 743.1 | 742.7 | 742.3 | 741.9 |
| 137.5° | 795.9 | 795.0 | 794.2 | 793.4 | 792.6 | 791.9 | 791.1 | 790.3 |
| 140° | 828.9 | 828.7 | 828.5 | 827.7 | 826.2 | 824.8 | 823.4 | 822.0 |
| 142.5° | 859.8 | 859.6 | 859.4 | 858.7 | 857.6 | 856.5 | 855.5 | 854.4 |
| 145° | 905.3 | 905.1 | 904.9 | 904.4 | 903.6 | 902.7 | 901.9 | 901.1 |
| 147.5° | 948.2 | 948.2 | 948.2 | 947.6 | 946.3 | 945.2 | 943.9 | 942.7 |
| 150° | 974.7 | 974.7 | 974.7 | 974.1 | 972.9 | 971.7 | 970.4 | 969.2 |
| 152.5° | 998.9 | 999.3 | 999.6 | 999.3 | 998.1 | 997.1 | 996.0 | 995.0 |
| 155° | 1034.4 | 1035.1 | 1036.0 | 1035.7 | 1034.3 | 1032.8 | 1031.4 | 1029.9 |
| 157.5° | 1064.8 | 1065.6 | 1066.5 | 1066.4 | 1065.2 | 1064.1 | 1063.0 | 1061.8 |
| 160° | 1083.5 | 1084.6 | 1085.6 | 1085.7 | 1084.9 | 1084.0 | 1083.2 | 1082.4 |
| 162.5° | 1101.2 | 1102.2 | 1103.3 | 1103.1 | 1101.8 | 1100.5 | 1099.2 | 1097.9 |
| 165° | 1123.6 | 1124.7 | 1126.0 | 1125.8 | 1124.4 | 1123.0 | 1121.6 | 1120.1 |
| 167.5° | 1141.6 | 1142.9 | 1144.1 | 1144.1 | 1142.9 | 1141.6 | 1140.3 | 1139.1 |
| 170° | 1151.5 | 1153.0 | 1154.4 | 1154.4 | 1153.0 | 1151.5 | 1150.1 | 1148.7 |
| 172.5° | 1159.4 | 1160.6 | 1161.9 | 1161.8 | 1160.3 | 1158.9 | 1157.5 | 1156.0 |
| 175° | 1167.7 | 1168.9 | 1170.1 | 1170.1 | 1168.6 | 1167.2 | 1165.8 | 1164.3 |
| 177.5° | 1171.5 | 1172.4 | 1173.4 | 1173.3 | 1172.2 | 1171.0 | 1169.9 | 1168.8 |
| 180° | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 | 1171.7 |

(END OF REPORT)