

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: P332946-930

Luminaire Tested: **S124RDIP-S795D1035U930-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332946-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D1035U930-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5985.9 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

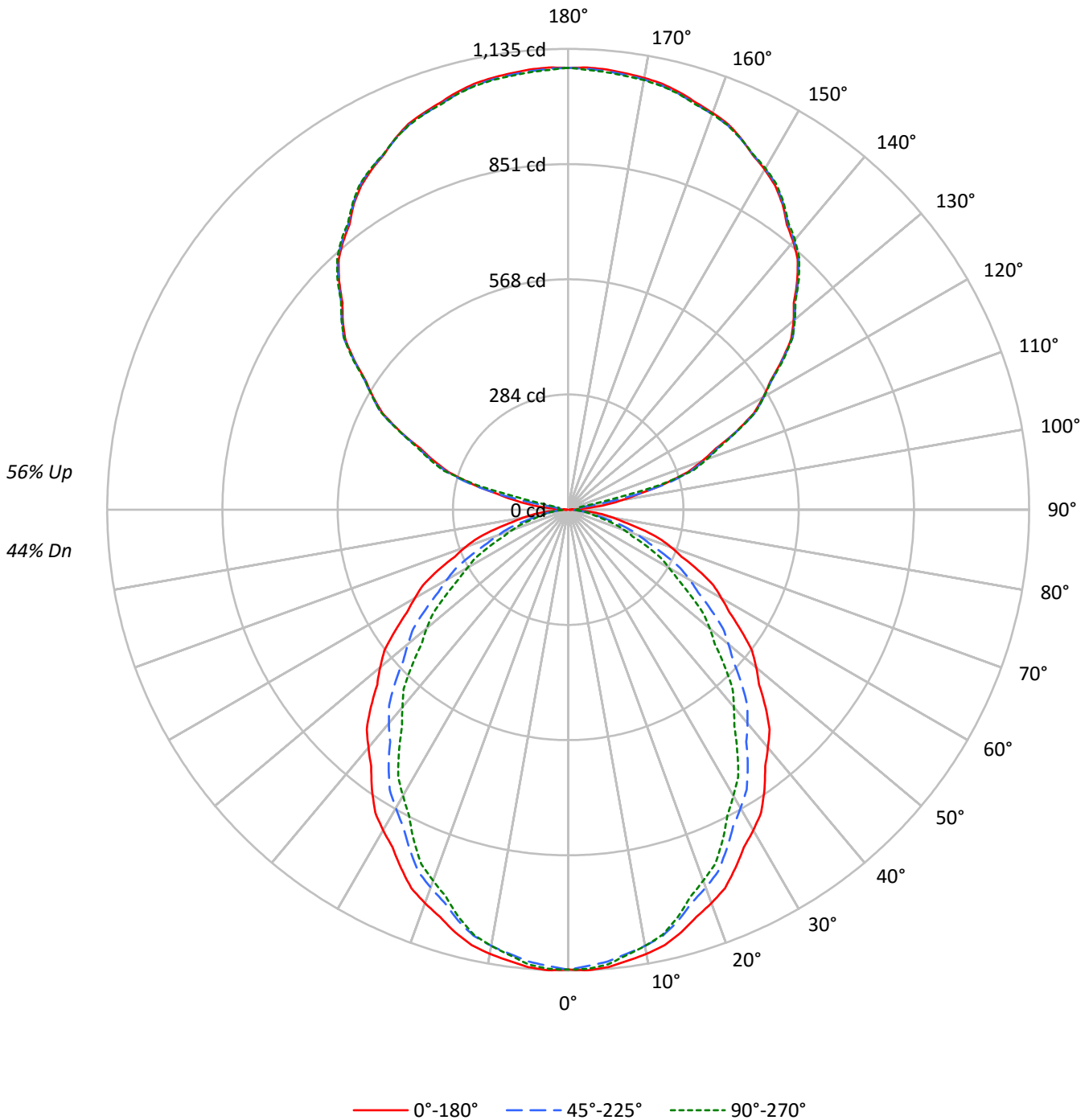
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

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 | 65 | 65 | 65 | 50 | 50 | 50 | 44 |
| 1 | 97 | 92 | 89 | 85 | 88 | 85 | 82 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 37 |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 46 | 40 | 38 | 37 | 32 |
| 3 | 81 | 71 | 64 | 59 | 73 | 66 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4 | 74 | 63 | 56 | 50 | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 68 | 56 | 48 | 43 | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6 | 62 | 51 | 43 | 37 | 57 | 47 | 40 | 35 | 39 | 34 | 30 | 33 | 29 | 25 | 26 | 23 | 21 | 18 |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 24 | 21 | 19 | 16 |
| 8 | 54 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 33 | 27 | 24 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9 | 50 | 38 | 31 | 26 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 22 | 28 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9143 | 9143 | 9143 |
| 5° | 9164 | 9052 | 9108 |
| 10° | 9107 | 8943 | 8943 |
| 15° | 9002 | 8756 | 8690 |
| 20° | 8858 | 8508 | 8352 |
| 25° | 8675 | 8219 | 8011 |
| 30° | 8496 | 7914 | 7582 |
| 35° | 8298 | 7597 | 7154 |
| 40° | 8061 | 7238 | 6690 |
| 45° | 7841 | 6882 | 6218 |
| 50° | 7592 | 6469 | 5718 |
| 55° | 7323 | 6042 | 5175 |
| 60° | 7030 | 5572 | 4621 |
| 65° | 6758 | 4988 | 4076 |
| 70° | 6366 | 4338 | 3460 |
| 75° | 5870 | 3599 | 2813 |
| 80° | 5119 | 2738 | 2580 |
| 85° | 4335 | 2492 | 2325 |



TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.4 | 1.8 |
| 10°-20° | 296.7 | 5.0 |
| 20°-30° | 428.4 | 7.2 |
| 30°-40° | 485.6 | 8.1 |
| 40°-50° | 468.9 | 7.8 |
| 50°-60° | 389.9 | 6.5 |
| 60°-70° | 269.3 | 4.5 |
| 70°-80° | 136.5 | 2.3 |
| 80°-90° | 38.2 | 0.6 |
| 90°-100° | 37.2 | 0.6 |
| 100°-110° | 237.3 | 4.0 |
| 110°-120° | 453.9 | 7.6 |
| 120°-130° | 576.3 | 9.6 |
| 130°-140° | 616.6 | 10.3 |
| 140°-150° | 576.6 | 9.6 |
| 150°-160° | 464.9 | 7.8 |
| 160°-170° | 299.9 | 5.0 |
| 170°-180° | 103.4 | 1.7 |
| 0°-30° | 831.5 | 13.9 |
| 0°-40° | 1317.1 | 22.0 |
| 0°-60° | 2176.0 | 36.4 |
| 0°-90° | 2619.9 | 43.8 |
| 90°-120° | 728.5 | 12.2 |
| 90°-150° | 2497.9 | 41.7 |
| 90°-180° | 3366.0 | 56.2 |
| 0°-180° | 5985.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1133 | 1133 | 1133 | 1133 | 1133 | |
| 5° | 1131 | 1127 | 1117 | 1125 | 1124 | 107 |
| 15° | 1077 | 1069 | 1048 | 1046 | 1040 | 303 |
| 25° | 974 | 957 | 923 | 908 | 899 | 449 |
| 35° | 842 | 813 | 771 | 742 | 726 | 526 |
| 45° | 687 | 654 | 603 | 562 | 545 | 529 |
| 55° | 520 | 484 | 429 | 386 | 368 | 465 |
| 65° | 354 | 316 | 261 | 225 | 213 | 349 |
| 75° | 188 | 156 | 115 | 96 | 90 | 199 |
| 85° | 47 | 30 | 27 | 25 | 25 | 53 |
| 90° | 2 | 11 | 18 | 23 | 24 | 4 |
| 95° | 45 | 19 | 18 | 23 | 24 | 58 |
| 105° | 245 | 250 | 254 | 259 | 232 | 256 |
| 115° | 457 | 460 | 459 | 461 | 461 | 450 |
| 125° | 643 | 646 | 645 | 647 | 648 | 574 |
| 135° | 798 | 797 | 800 | 802 | 803 | 614 |
| 145° | 920 | 922 | 922 | 923 | 924 | 574 |
| 155° | 1008 | 1009 | 1007 | 1010 | 1008 | 465 |
| 165° | 1064 | 1060 | 1060 | 1065 | 1059 | 300 |
| 175° | 1088 | 1084 | 1084 | 1090 | 1082 | 104 |
| 180° | 1088 | 1088 | 1088 | 1088 | 1088 | |



TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 |
| 2.5° | 1135.4 | 1134.7 | 1134.1 | 1133.5 | 1132.9 | 1131.7 | 1130.0 | 1128.4 | 1126.7 | 1124.9 | 1126.7 |
| 5° | 1130.8 | 1130.1 | 1129.3 | 1128.5 | 1127.7 | 1126.3 | 1123.9 | 1121.6 | 1119.2 | 1117.0 | 1118.9 |
| 7.5° | 1120.6 | 1119.8 | 1119.0 | 1118.2 | 1117.4 | 1115.5 | 1112.5 | 1109.5 | 1106.4 | 1103.4 | 1104.6 |
| 10° | 1110.9 | 1109.9 | 1109.0 | 1108.0 | 1107.0 | 1104.8 | 1101.4 | 1097.9 | 1094.5 | 1091.0 | 1091.7 |
| 12.5° | 1098.4 | 1097.3 | 1096.2 | 1095.0 | 1094.0 | 1091.4 | 1087.3 | 1083.1 | 1079.0 | 1075.0 | 1075.5 |
| 15° | 1077.1 | 1075.4 | 1073.6 | 1071.9 | 1070.2 | 1066.9 | 1062.0 | 1057.2 | 1052.4 | 1047.6 | 1047.2 |
| 17.5° | 1051.2 | 1048.7 | 1046.2 | 1043.7 | 1041.2 | 1037.1 | 1031.3 | 1025.5 | 1019.7 | 1013.9 | 1012.8 |
| 20° | 1031.1 | 1028.6 | 1026.1 | 1023.6 | 1021.1 | 1016.6 | 1010.0 | 1003.5 | 996.9 | 990.3 | 988.8 |
| 22.5° | 1008.9 | 1006.1 | 1003.3 | 1000.5 | 997.7 | 992.7 | 985.7 | 978.7 | 971.7 | 964.7 | 962.4 |
| 25° | 973.9 | 970.4 | 966.9 | 963.4 | 960.0 | 954.3 | 946.4 | 938.5 | 930.6 | 922.7 | 919.4 |
| 27.5° | 937.1 | 932.8 | 928.4 | 924.1 | 919.7 | 913.3 | 904.8 | 896.4 | 887.9 | 879.5 | 875.5 |
| 30° | 911.4 | 906.6 | 901.8 | 897.0 | 892.2 | 885.3 | 876.2 | 867.2 | 858.0 | 849.0 | 844.2 |
| 32.5° | 884.4 | 879.0 | 873.5 | 868.0 | 862.7 | 855.2 | 845.9 | 836.5 | 827.1 | 817.7 | 812.2 |
| 35° | 842.0 | 835.9 | 829.7 | 823.5 | 817.4 | 809.5 | 799.9 | 790.2 | 780.6 | 770.9 | 764.4 |
| 37.5° | 796.8 | 790.4 | 784.1 | 777.7 | 771.4 | 762.9 | 752.2 | 741.5 | 730.8 | 720.2 | 712.8 |
| 40° | 764.9 | 758.6 | 752.2 | 745.8 | 739.5 | 730.8 | 719.7 | 708.8 | 697.8 | 686.8 | 678.7 |
| 42.5° | 734.3 | 727.7 | 721.1 | 714.4 | 707.7 | 698.6 | 687.2 | 675.7 | 664.3 | 652.8 | 644.6 |
| 45° | 686.8 | 679.7 | 672.5 | 665.4 | 658.3 | 649.0 | 637.4 | 625.8 | 614.2 | 602.8 | 593.3 |
| 47.5° | 637.7 | 630.4 | 623.1 | 615.6 | 608.3 | 598.6 | 586.6 | 574.5 | 562.6 | 550.5 | 540.7 |
| 50° | 604.5 | 597.0 | 589.4 | 581.9 | 574.4 | 564.4 | 552.1 | 539.8 | 527.4 | 515.1 | 505.5 |
| 52.5° | 570.5 | 563.1 | 555.7 | 548.4 | 541.0 | 531.0 | 518.4 | 505.7 | 493.1 | 480.5 | 470.7 |
| 55° | 520.3 | 512.6 | 504.9 | 497.2 | 489.5 | 479.4 | 466.8 | 454.3 | 441.8 | 429.3 | 419.2 |
| 57.5° | 470.8 | 462.7 | 454.7 | 446.7 | 438.6 | 428.4 | 416.1 | 403.8 | 391.5 | 379.1 | 369.0 |
| 60° | 435.4 | 427.6 | 420.0 | 412.2 | 404.5 | 394.5 | 382.1 | 369.8 | 357.5 | 345.1 | 335.1 |
| 62.5° | 403.4 | 395.4 | 387.4 | 379.4 | 371.4 | 361.0 | 348.4 | 335.7 | 323.1 | 310.5 | 301.2 |
| 65° | 353.8 | 345.5 | 337.2 | 329.0 | 320.7 | 310.4 | 298.0 | 285.7 | 273.4 | 261.1 | 252.7 |
| 67.5° | 302.3 | 294.4 | 286.4 | 278.5 | 270.5 | 260.9 | 249.4 | 238.0 | 226.5 | 215.1 | 207.9 |
| 70° | 269.7 | 261.6 | 253.5 | 245.4 | 237.3 | 227.8 | 216.8 | 205.8 | 194.9 | 183.8 | 177.5 |
| 72.5° | 235.1 | 227.7 | 220.4 | 213.0 | 205.7 | 196.9 | 186.5 | 176.1 | 165.8 | 155.4 | 149.9 |
| 75° | 188.2 | 181.1 | 173.9 | 166.8 | 159.6 | 151.6 | 142.5 | 133.5 | 124.4 | 115.4 | 110.9 |
| 77.5° | 140.6 | 134.6 | 128.6 | 122.5 | 116.4 | 109.7 | 102.5 | 95.1 | 87.8 | 80.5 | 77.9 |
| 80° | 110.1 | 104.5 | 99.0 | 93.4 | 87.8 | 82.1 | 76.3 | 70.5 | 64.7 | 58.9 | 58.4 |
| 82.5° | 83.8 | 78.7 | 73.5 | 68.4 | 63.3 | 59.0 | 55.8 | 52.4 | 49.1 | 45.8 | 45.3 |
| 85° | 46.8 | 43.0 | 39.1 | 35.3 | 31.4 | 29.2 | 28.6 | 28.0 | 27.5 | 26.9 | 26.5 |
| 87.5° | 16.5 | 15.6 | 14.8 | 13.9 | 13.1 | 12.7 | 12.9 | 13.0 | 13.1 | 13.3 | 13.4 |
| 90° | 2.4 | 4.4 | 6.4 | 8.4 | 10.4 | 12.1 | 13.5 | 15.0 | 16.5 | 17.9 | 19.0 |
| 92.5° | 10.3 | 10.4 | 10.4 | 10.6 | 10.7 | 11.5 | 12.9 | 14.3 | 15.8 | 17.3 | 18.3 |
| 95° | 44.8 | 38.6 | 32.4 | 26.3 | 20.1 | 17.2 | 17.4 | 17.5 | 17.7 | 17.9 | 19.0 |
| 97.5° | 95.1 | 98.9 | 102.7 | 106.6 | 110.4 | 102.2 | 82.0 | 61.9 | 41.7 | 21.5 | 21.6 |
| 100° | 133.5 | 136.7 | 140.0 | 143.2 | 146.5 | 135.7 | 110.7 | 85.8 | 60.7 | 35.8 | 32.8 |
| 102.5° | 176.4 | 178.9 | 181.2 | 183.6 | 186.0 | 185.6 | 182.3 | 179.0 | 175.8 | 172.5 | 139.3 |
| 105° | 245.0 | 246.1 | 247.1 | 248.3 | 249.3 | 250.3 | 251.2 | 252.1 | 253.1 | 254.0 | 255.6 |
| 107.5° | 308.6 | 309.2 | 309.7 | 310.2 | 310.8 | 311.7 | 312.9 | 314.1 | 315.4 | 316.6 | 317.4 |
| 110° | 351.6 | 352.1 | 352.7 | 353.2 | 353.8 | 354.6 | 355.6 | 356.8 | 357.8 | 358.9 | 359.3 |



TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 393.3 | 394.3 | 395.3 | 396.2 | 397.2 | 397.9 | 398.4 | 398.9 | 399.4 | 399.9 | 399.9 |
| 115° | 457.4 | 458.0 | 458.5 | 459.0 | 459.6 | 459.7 | 459.6 | 459.4 | 459.2 | 459.0 | 459.4 |
| 117.5° | 515.2 | 515.9 | 516.7 | 517.4 | 518.1 | 518.6 | 519.0 | 519.4 | 519.8 | 520.2 | 520.2 |
| 120° | 554.2 | 555.0 | 555.7 | 556.4 | 557.2 | 557.4 | 557.3 | 557.1 | 556.8 | 556.7 | 557.1 |
| 122.5° | 590.7 | 591.2 | 591.6 | 592.0 | 592.5 | 592.8 | 593.0 | 593.3 | 593.5 | 593.8 | 594.0 |
| 125° | 642.9 | 643.7 | 644.4 | 645.1 | 645.9 | 646.0 | 645.7 | 645.3 | 645.0 | 644.6 | 645.1 |
| 127.5° | 692.4 | 692.6 | 692.8 | 693.0 | 693.2 | 693.7 | 694.6 | 695.4 | 696.2 | 697.0 | 696.9 |
| 130° | 724.4 | 724.6 | 724.7 | 724.9 | 725.0 | 725.5 | 726.0 | 726.5 | 727.1 | 727.7 | 727.8 |
| 132.5° | 753.7 | 754.0 | 754.3 | 754.6 | 755.0 | 755.5 | 756.2 | 756.8 | 757.5 | 758.2 | 758.4 |
| 135° | 797.6 | 797.4 | 797.3 | 797.0 | 796.9 | 797.1 | 797.9 | 798.6 | 799.3 | 800.1 | 800.4 |
| 137.5° | 836.5 | 836.6 | 836.7 | 836.7 | 836.8 | 837.2 | 838.0 | 838.9 | 839.6 | 840.4 | 840.8 |
| 140° | 861.9 | 862.3 | 862.7 | 863.0 | 863.3 | 863.7 | 864.1 | 864.5 | 864.8 | 865.2 | 865.7 |
| 142.5° | 884.7 | 885.3 | 886.0 | 886.6 | 887.3 | 887.7 | 887.9 | 888.2 | 888.4 | 888.6 | 889.0 |
| 145° | 919.7 | 920.2 | 920.8 | 921.3 | 921.9 | 922.1 | 922.1 | 922.1 | 922.1 | 922.1 | 922.3 |
| 147.5° | 947.5 | 948.5 | 949.6 | 950.6 | 951.6 | 952.0 | 951.8 | 951.6 | 951.5 | 951.3 | 951.5 |
| 150° | 967.7 | 968.4 | 969.1 | 969.9 | 970.6 | 970.9 | 970.7 | 970.5 | 970.4 | 970.1 | 970.1 |
| 152.5° | 984.6 | 985.2 | 985.8 | 986.3 | 986.9 | 987.1 | 986.8 | 986.4 | 986.1 | 985.8 | 986.1 |
| 155° | 1008.4 | 1008.6 | 1008.8 | 1008.9 | 1009.1 | 1008.9 | 1008.4 | 1007.9 | 1007.3 | 1006.8 | 1007.5 |
| 157.5° | 1028.4 | 1028.3 | 1028.2 | 1028.1 | 1028.0 | 1027.6 | 1027.0 | 1026.4 | 1025.8 | 1025.2 | 1026.1 |
| 160° | 1040.2 | 1039.6 | 1039.1 | 1038.5 | 1038.0 | 1037.6 | 1037.5 | 1037.2 | 1037.1 | 1036.9 | 1038.0 |
| 162.5° | 1050.6 | 1049.9 | 1049.2 | 1048.5 | 1047.8 | 1047.4 | 1047.2 | 1047.0 | 1046.8 | 1046.7 | 1047.7 |
| 165° | 1063.7 | 1062.8 | 1061.9 | 1061.0 | 1060.1 | 1059.6 | 1059.6 | 1059.6 | 1059.6 | 1059.6 | 1061.1 |
| 167.5° | 1074.2 | 1073.3 | 1072.3 | 1071.4 | 1070.4 | 1069.9 | 1069.8 | 1069.7 | 1069.6 | 1069.4 | 1071.1 |
| 170° | 1080.0 | 1079.0 | 1077.8 | 1076.8 | 1075.7 | 1075.2 | 1075.4 | 1075.6 | 1075.8 | 1076.0 | 1077.4 |
| 172.5° | 1083.9 | 1082.9 | 1081.7 | 1080.7 | 1079.6 | 1079.1 | 1079.3 | 1079.5 | 1079.7 | 1079.9 | 1081.3 |
| 175° | 1088.2 | 1087.1 | 1086.0 | 1084.9 | 1083.9 | 1083.4 | 1083.5 | 1083.8 | 1083.9 | 1084.1 | 1085.7 |
| 177.5° | 1090.1 | 1089.1 | 1088.1 | 1087.1 | 1086.1 | 1085.7 | 1086.0 | 1086.3 | 1086.5 | 1086.9 | 1088.0 |
| 180° | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 |



TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 | 1132.6 |
| 2.5° | 1128.4 | 1130.0 | 1131.7 | 1132.5 | 1132.4 | 1132.2 | 1132.0 | 1131.9 |
| 5° | 1120.8 | 1122.7 | 1124.7 | 1125.4 | 1125.0 | 1124.7 | 1124.3 | 1123.9 |
| 7.5° | 1105.9 | 1107.2 | 1108.4 | 1108.6 | 1108.1 | 1107.4 | 1106.9 | 1106.2 |
| 10° | 1092.5 | 1093.2 | 1094.1 | 1094.1 | 1093.2 | 1092.5 | 1091.7 | 1091.0 |
| 12.5° | 1076.0 | 1076.4 | 1076.8 | 1076.5 | 1075.5 | 1074.4 | 1073.3 | 1072.2 |
| 15° | 1046.8 | 1046.4 | 1046.0 | 1045.2 | 1043.8 | 1042.4 | 1041.1 | 1039.8 |
| 17.5° | 1011.8 | 1010.7 | 1009.6 | 1008.0 | 1006.0 | 1004.0 | 1001.9 | 999.9 |
| 20° | 987.2 | 985.7 | 984.1 | 982.2 | 979.7 | 977.1 | 974.6 | 972.2 |
| 22.5° | 960.1 | 957.7 | 955.4 | 953.2 | 951.2 | 949.2 | 947.1 | 945.1 |
| 25° | 916.2 | 912.9 | 909.6 | 907.0 | 905.1 | 903.2 | 901.2 | 899.3 |
| 27.5° | 871.4 | 867.4 | 863.3 | 859.9 | 857.1 | 854.4 | 851.6 | 848.8 |
| 30° | 839.4 | 834.5 | 829.7 | 825.7 | 822.7 | 819.6 | 816.5 | 813.4 |
| 32.5° | 806.6 | 801.0 | 795.4 | 791.2 | 788.2 | 785.3 | 782.4 | 779.4 |
| 35° | 757.8 | 751.3 | 744.8 | 739.7 | 736.3 | 732.8 | 729.3 | 725.9 |
| 37.5° | 705.5 | 698.1 | 690.8 | 685.4 | 682.0 | 678.5 | 675.1 | 671.6 |
| 40° | 670.7 | 662.5 | 654.4 | 648.7 | 645.2 | 641.7 | 638.3 | 634.8 |
| 42.5° | 636.3 | 628.1 | 619.9 | 613.9 | 610.3 | 606.7 | 603.1 | 599.4 |
| 45° | 583.8 | 574.4 | 564.9 | 558.5 | 555.0 | 551.5 | 548.0 | 544.6 |
| 47.5° | 530.9 | 521.1 | 511.4 | 504.5 | 500.8 | 496.9 | 493.1 | 489.3 |
| 50° | 495.9 | 486.2 | 476.5 | 469.9 | 466.3 | 462.6 | 458.9 | 455.3 |
| 52.5° | 460.9 | 451.1 | 441.2 | 434.5 | 430.6 | 426.8 | 423.1 | 419.2 |
| 55° | 409.2 | 399.2 | 389.2 | 382.4 | 378.7 | 375.0 | 371.4 | 367.7 |
| 57.5° | 358.8 | 348.6 | 338.4 | 332.0 | 329.2 | 326.4 | 323.7 | 320.9 |
| 60° | 325.1 | 315.1 | 305.1 | 298.5 | 295.5 | 292.4 | 289.3 | 286.2 |
| 62.5° | 292.0 | 282.7 | 273.5 | 267.6 | 265.1 | 262.7 | 260.2 | 257.7 |
| 65° | 244.4 | 236.2 | 227.9 | 222.6 | 220.3 | 217.9 | 215.6 | 213.4 |
| 67.5° | 200.8 | 193.7 | 186.5 | 181.7 | 179.2 | 176.6 | 174.1 | 171.5 |
| 70° | 171.1 | 164.8 | 158.4 | 154.3 | 152.4 | 150.4 | 148.5 | 146.6 |
| 72.5° | 144.6 | 139.1 | 133.6 | 130.0 | 128.3 | 126.5 | 124.7 | 122.9 |
| 75° | 106.5 | 102.1 | 97.6 | 94.8 | 93.7 | 92.5 | 91.3 | 90.2 |
| 77.5° | 75.3 | 72.7 | 70.1 | 68.6 | 68.3 | 68.0 | 67.7 | 67.3 |
| 80° | 57.8 | 57.2 | 56.7 | 56.3 | 56.1 | 55.8 | 55.7 | 55.5 |
| 82.5° | 44.9 | 44.5 | 44.1 | 43.8 | 43.6 | 43.4 | 43.2 | 43.0 |
| 85° | 26.1 | 25.8 | 25.4 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 87.5° | 13.5 | 13.5 | 13.5 | 13.7 | 13.9 | 14.1 | 14.3 | 14.6 |
| 90° | 20.1 | 21.2 | 22.3 | 23.0 | 23.3 | 23.7 | 24.1 | 24.4 |
| 92.5° | 19.4 | 20.5 | 21.6 | 22.2 | 22.3 | 22.3 | 22.4 | 22.5 |
| 95° | 20.1 | 21.2 | 22.3 | 22.9 | 23.1 | 23.2 | 23.4 | 23.6 |
| 97.5° | 21.7 | 21.9 | 21.9 | 22.1 | 22.3 | 22.4 | 22.6 | 22.8 |
| 100° | 29.7 | 26.6 | 23.5 | 22.1 | 22.3 | 22.4 | 22.6 | 22.8 |
| 102.5° | 106.2 | 73.1 | 39.9 | 23.3 | 23.3 | 23.4 | 23.4 | 23.5 |
| 105° | 257.2 | 258.8 | 260.4 | 258.0 | 251.5 | 245.0 | 238.5 | 232.0 |
| 107.5° | 318.2 | 319.0 | 319.8 | 320.5 | 321.2 | 321.9 | 322.6 | 323.3 |
| 110° | 359.6 | 360.0 | 360.4 | 360.9 | 361.3 | 361.9 | 362.5 | 363.0 |



TEST NUMBER: P332946-930

CATALOG NUMBER: S124RDIP-S795D1035U930-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 399.8 | 399.7 | 399.7 | 400.0 | 400.6 | 401.4 | 402.0 | 402.7 |
| 115° | 459.7 | 460.2 | 460.5 | 460.6 | 460.6 | 460.6 | 460.6 | 460.6 |
| 117.5° | 520.1 | 520.0 | 519.9 | 519.9 | 519.8 | 519.8 | 519.7 | 519.6 |
| 120° | 557.4 | 557.7 | 558.2 | 558.2 | 557.7 | 557.4 | 557.1 | 556.7 |
| 122.5° | 594.3 | 594.4 | 594.7 | 594.6 | 594.3 | 593.9 | 593.5 | 593.1 |
| 125° | 645.7 | 646.2 | 646.8 | 647.1 | 647.3 | 647.5 | 647.7 | 647.8 |
| 127.5° | 696.8 | 696.7 | 696.6 | 696.4 | 696.3 | 696.2 | 696.0 | 695.9 |
| 130° | 728.0 | 728.1 | 728.3 | 728.5 | 728.5 | 728.5 | 728.5 | 728.5 |
| 132.5° | 758.6 | 758.8 | 759.0 | 759.0 | 758.8 | 758.6 | 758.6 | 758.4 |
| 135° | 800.8 | 801.1 | 801.5 | 801.8 | 802.3 | 802.6 | 802.9 | 803.3 |
| 137.5° | 841.2 | 841.6 | 842.0 | 842.1 | 842.0 | 842.0 | 841.8 | 841.7 |
| 140° | 866.3 | 866.8 | 867.3 | 867.7 | 867.9 | 868.0 | 868.2 | 868.5 |
| 142.5° | 889.4 | 889.8 | 890.2 | 890.4 | 890.5 | 890.5 | 890.6 | 890.6 |
| 145° | 922.5 | 922.7 | 922.8 | 923.2 | 923.5 | 923.8 | 924.2 | 924.5 |
| 147.5° | 951.5 | 951.7 | 951.9 | 952.0 | 952.2 | 952.4 | 952.6 | 952.8 |
| 150° | 970.1 | 970.1 | 970.1 | 970.2 | 970.5 | 970.6 | 970.8 | 970.9 |
| 152.5° | 986.3 | 986.7 | 986.9 | 987.0 | 986.9 | 986.8 | 986.7 | 986.6 |
| 155° | 1008.2 | 1008.9 | 1009.7 | 1009.7 | 1009.3 | 1008.7 | 1008.1 | 1007.6 |
| 157.5° | 1027.0 | 1028.0 | 1028.9 | 1028.9 | 1028.0 | 1027.0 | 1026.1 | 1025.2 |
| 160° | 1039.1 | 1040.2 | 1041.2 | 1041.2 | 1040.2 | 1039.1 | 1038.0 | 1036.9 |
| 162.5° | 1048.8 | 1049.9 | 1051.0 | 1050.9 | 1049.7 | 1048.5 | 1047.3 | 1046.0 |
| 165° | 1062.6 | 1064.0 | 1065.4 | 1065.4 | 1063.7 | 1062.1 | 1060.5 | 1058.8 |
| 167.5° | 1072.6 | 1074.2 | 1075.8 | 1075.7 | 1073.9 | 1072.1 | 1070.2 | 1068.4 |
| 170° | 1078.9 | 1080.3 | 1081.7 | 1081.6 | 1079.8 | 1078.0 | 1076.1 | 1074.3 |
| 172.5° | 1082.8 | 1084.2 | 1085.7 | 1085.4 | 1083.5 | 1081.5 | 1079.5 | 1077.6 |
| 175° | 1087.4 | 1089.0 | 1090.6 | 1090.3 | 1088.2 | 1086.0 | 1083.9 | 1081.7 |
| 177.5° | 1089.2 | 1090.3 | 1091.5 | 1091.2 | 1089.5 | 1087.8 | 1086.0 | 1084.3 |
| 180° | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 | 1088.2 |

(END OF REPORT)