

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: P332946-935

Luminaire Tested: **S124RDIP-S795D1035U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332946-935
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-S795D1035U935-4F0-1E-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: 6321.4 lumens
Efficiency: N/A
Efficacy: 121.6 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

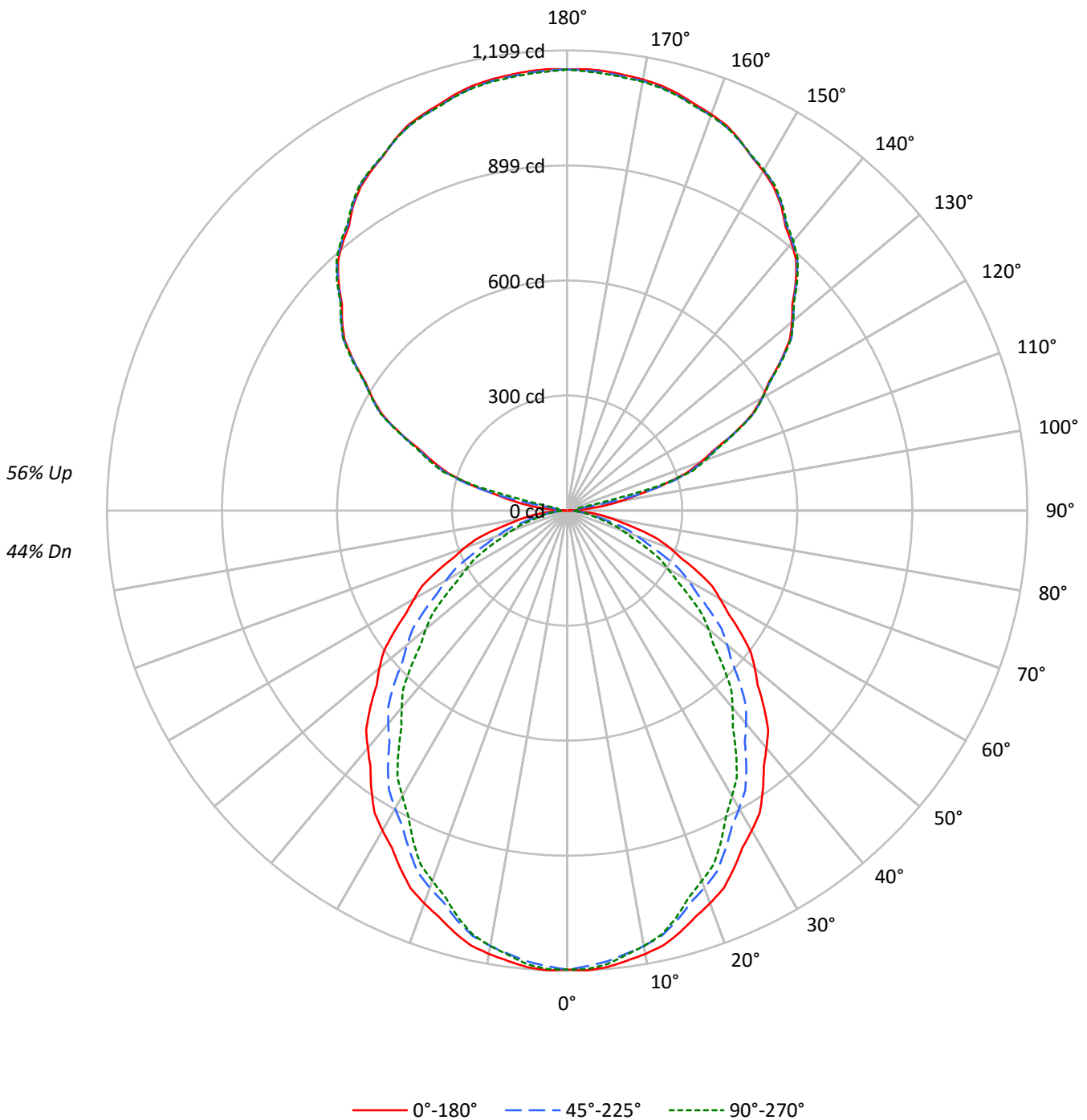
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-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° | 9656 | 9656 | 9656 |
| 5° | 9678 | 9559 | 9618 |
| 10° | 9617 | 9444 | 9444 |
| 15° | 9507 | 9246 | 9177 |
| 20° | 9355 | 8985 | 8820 |
| 25° | 9161 | 8679 | 8459 |
| 30° | 8972 | 8358 | 8007 |
| 35° | 8763 | 8024 | 7554 |
| 40° | 8513 | 7644 | 7065 |
| 45° | 8281 | 7267 | 6566 |
| 50° | 8017 | 6832 | 6038 |
| 55° | 7734 | 6380 | 5465 |
| 60° | 7424 | 5885 | 4879 |
| 65° | 7138 | 5266 | 4304 |
| 70° | 6722 | 4584 | 3654 |
| 75° | 6198 | 3799 | 2969 |
| 80° | 5407 | 2896 | 2724 |
| 85° | 4576 | 2631 | 2455 |



TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.4 | 1.8 |
| 10°-20° | 313.3 | 5.0 |
| 20°-30° | 452.4 | 7.2 |
| 30°-40° | 512.8 | 8.1 |
| 40°-50° | 495.2 | 7.8 |
| 50°-60° | 411.8 | 6.5 |
| 60°-70° | 284.4 | 4.5 |
| 70°-80° | 144.1 | 2.3 |
| 80°-90° | 40.3 | 0.6 |
| 90°-100° | 39.3 | 0.6 |
| 100°-110° | 250.6 | 4.0 |
| 110°-120° | 479.4 | 7.6 |
| 120°-130° | 608.6 | 9.6 |
| 130°-140° | 651.1 | 10.3 |
| 140°-150° | 608.9 | 9.6 |
| 150°-160° | 491.0 | 7.8 |
| 160°-170° | 316.7 | 5.0 |
| 170°-180° | 109.2 | 1.7 |
| 0°-30° | 878.1 | 13.9 |
| 0°-40° | 1390.9 | 22.0 |
| 0°-60° | 2297.9 | 36.4 |
| 0°-90° | 2766.7 | 43.8 |
| 90°-120° | 769.3 | 12.2 |
| 90°-150° | 2637.9 | 41.7 |
| 90°-180° | 3555.0 | 56.2 |
| 0°-180° | 6321.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1196 | 1196 | 1196 | 1196 | 1196 | |
| 5° | 1194 | 1190 | 1180 | 1188 | 1187 | 113 |
| 15° | 1138 | 1128 | 1106 | 1104 | 1098 | 320 |
| 25° | 1028 | 1011 | 974 | 959 | 950 | 474 |
| 35° | 889 | 859 | 814 | 784 | 766 | 555 |
| 45° | 725 | 690 | 636 | 593 | 575 | 559 |
| 55° | 550 | 512 | 453 | 407 | 388 | 491 |
| 65° | 374 | 333 | 276 | 238 | 225 | 369 |
| 75° | 199 | 164 | 122 | 102 | 95 | 210 |
| 85° | 49 | 32 | 28 | 27 | 26 | 56 |
| 90° | 3 | 12 | 19 | 24 | 26 | 5 |
| 95° | 47 | 20 | 19 | 24 | 25 | 61 |
| 105° | 259 | 264 | 268 | 274 | 245 | 271 |
| 115° | 483 | 485 | 485 | 486 | 486 | 475 |
| 125° | 679 | 682 | 681 | 683 | 684 | 606 |
| 135° | 842 | 842 | 845 | 847 | 848 | 649 |
| 145° | 971 | 974 | 974 | 975 | 976 | 607 |
| 155° | 1065 | 1066 | 1063 | 1066 | 1064 | 491 |
| 165° | 1123 | 1119 | 1119 | 1125 | 1118 | 317 |
| 175° | 1149 | 1144 | 1145 | 1152 | 1142 | 109 |
| 180° | 1149 | 1149 | 1149 | 1149 | 1149 | |



TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 |
| 2.5° | 1199.0 | 1198.3 | 1197.7 | 1197.0 | 1196.4 | 1195.2 | 1193.3 | 1191.6 | 1189.8 | 1188.0 | 1189.8 |
| 5° | 1194.2 | 1193.4 | 1192.6 | 1191.8 | 1190.9 | 1189.4 | 1186.9 | 1184.5 | 1182.0 | 1179.6 | 1181.6 |
| 7.5° | 1183.4 | 1182.6 | 1181.7 | 1180.9 | 1180.0 | 1178.0 | 1174.8 | 1171.6 | 1168.5 | 1165.3 | 1166.6 |
| 10° | 1173.2 | 1172.2 | 1171.1 | 1170.1 | 1169.1 | 1166.7 | 1163.1 | 1159.4 | 1155.8 | 1152.1 | 1152.9 |
| 12.5° | 1159.9 | 1158.8 | 1157.6 | 1156.4 | 1155.3 | 1152.5 | 1148.2 | 1143.8 | 1139.5 | 1135.2 | 1135.7 |
| 15° | 1137.5 | 1135.7 | 1133.8 | 1132.0 | 1130.1 | 1126.7 | 1121.5 | 1116.5 | 1111.4 | 1106.3 | 1105.9 |
| 17.5° | 1110.2 | 1107.5 | 1104.8 | 1102.3 | 1099.6 | 1095.2 | 1089.1 | 1083.0 | 1076.9 | 1070.7 | 1069.6 |
| 20° | 1088.9 | 1086.2 | 1083.7 | 1081.0 | 1078.3 | 1073.6 | 1066.6 | 1059.7 | 1052.7 | 1045.9 | 1044.2 |
| 22.5° | 1065.5 | 1062.5 | 1059.5 | 1056.5 | 1053.6 | 1048.4 | 1040.9 | 1033.5 | 1026.1 | 1018.7 | 1016.3 |
| 25° | 1028.5 | 1024.8 | 1021.1 | 1017.4 | 1013.8 | 1007.8 | 999.4 | 991.1 | 982.7 | 974.4 | 970.9 |
| 27.5° | 989.6 | 985.1 | 980.4 | 975.9 | 971.2 | 964.5 | 955.5 | 946.7 | 937.7 | 928.8 | 924.5 |
| 30° | 962.5 | 957.4 | 952.4 | 947.3 | 942.2 | 934.9 | 925.3 | 915.8 | 906.1 | 896.6 | 891.5 |
| 32.5° | 933.9 | 928.2 | 922.5 | 916.7 | 911.0 | 903.2 | 893.3 | 883.4 | 873.5 | 863.6 | 857.7 |
| 35° | 889.2 | 882.8 | 876.2 | 869.7 | 863.2 | 854.9 | 844.7 | 834.5 | 824.3 | 814.2 | 807.3 |
| 37.5° | 841.5 | 834.7 | 828.0 | 821.3 | 814.6 | 805.6 | 794.4 | 783.1 | 771.8 | 760.5 | 752.8 |
| 40° | 807.8 | 801.1 | 794.4 | 787.6 | 780.9 | 771.7 | 760.1 | 748.6 | 736.9 | 725.3 | 716.8 |
| 42.5° | 775.5 | 768.4 | 761.5 | 754.4 | 747.3 | 737.8 | 725.7 | 713.6 | 701.5 | 689.4 | 680.7 |
| 45° | 725.3 | 717.8 | 710.2 | 702.7 | 695.2 | 685.4 | 673.1 | 660.9 | 648.7 | 636.5 | 626.5 |
| 47.5° | 673.5 | 665.7 | 658.0 | 650.1 | 642.4 | 632.1 | 619.5 | 606.7 | 594.1 | 581.3 | 571.0 |
| 50° | 638.3 | 630.4 | 622.4 | 614.5 | 606.6 | 596.1 | 583.1 | 570.1 | 557.0 | 544.0 | 533.8 |
| 52.5° | 602.4 | 594.7 | 586.9 | 579.1 | 571.4 | 560.8 | 547.4 | 534.1 | 520.7 | 507.4 | 497.1 |
| 55° | 549.5 | 541.3 | 533.2 | 525.0 | 516.9 | 506.3 | 493.0 | 479.7 | 466.6 | 453.3 | 442.7 |
| 57.5° | 497.1 | 488.6 | 480.2 | 471.7 | 463.2 | 452.5 | 439.5 | 426.5 | 413.5 | 400.4 | 389.7 |
| 60° | 459.8 | 451.6 | 443.5 | 435.3 | 427.1 | 416.6 | 403.6 | 390.5 | 377.5 | 364.5 | 353.9 |
| 62.5° | 426.0 | 417.6 | 409.1 | 400.6 | 392.2 | 381.3 | 367.9 | 354.6 | 341.2 | 327.9 | 318.1 |
| 65° | 373.7 | 364.9 | 356.1 | 347.4 | 338.6 | 327.8 | 314.7 | 301.7 | 288.7 | 275.7 | 266.9 |
| 67.5° | 319.3 | 310.9 | 302.5 | 294.1 | 285.7 | 275.5 | 263.4 | 251.3 | 239.2 | 227.1 | 219.6 |
| 70° | 284.8 | 276.3 | 267.7 | 259.2 | 250.6 | 240.6 | 228.9 | 217.3 | 205.8 | 194.2 | 187.4 |
| 72.5° | 248.2 | 240.5 | 232.7 | 225.0 | 217.2 | 207.9 | 197.0 | 186.0 | 175.0 | 164.1 | 158.3 |
| 75° | 198.7 | 191.2 | 183.7 | 176.2 | 168.6 | 160.1 | 150.5 | 140.9 | 131.4 | 121.8 | 117.1 |
| 77.5° | 148.5 | 142.2 | 135.8 | 129.4 | 123.0 | 115.9 | 108.2 | 100.5 | 92.7 | 85.0 | 82.2 |
| 80° | 116.3 | 110.4 | 104.5 | 98.6 | 92.7 | 86.7 | 80.6 | 74.5 | 68.4 | 62.3 | 61.6 |
| 82.5° | 88.5 | 83.1 | 77.7 | 72.2 | 66.8 | 62.3 | 58.9 | 55.4 | 51.8 | 48.4 | 47.9 |
| 85° | 49.4 | 45.4 | 41.3 | 37.3 | 33.1 | 30.8 | 30.2 | 29.6 | 29.0 | 28.4 | 28.0 |
| 87.5° | 17.4 | 16.4 | 15.6 | 14.7 | 13.9 | 13.4 | 13.6 | 13.8 | 13.9 | 14.0 | 14.1 |
| 90° | 2.6 | 4.6 | 6.8 | 8.9 | 11.0 | 12.8 | 14.3 | 15.8 | 17.4 | 18.9 | 20.1 |
| 92.5° | 10.8 | 10.9 | 11.0 | 11.2 | 11.3 | 12.1 | 13.6 | 15.2 | 16.7 | 18.3 | 19.4 |
| 95° | 47.3 | 40.8 | 34.3 | 27.8 | 21.3 | 18.2 | 18.3 | 18.5 | 18.7 | 18.9 | 20.1 |
| 97.5° | 100.4 | 104.4 | 108.5 | 112.5 | 116.6 | 108.0 | 86.6 | 65.3 | 44.0 | 22.7 | 22.8 |
| 100° | 140.9 | 144.4 | 147.8 | 151.3 | 154.7 | 143.3 | 116.9 | 90.6 | 64.1 | 37.8 | 34.6 |
| 102.5° | 186.3 | 188.9 | 191.4 | 193.9 | 196.4 | 196.0 | 192.5 | 189.1 | 185.6 | 182.2 | 147.1 |
| 105° | 258.7 | 259.8 | 261.0 | 262.2 | 263.3 | 264.3 | 265.3 | 266.2 | 267.3 | 268.2 | 269.9 |
| 107.5° | 325.9 | 326.5 | 327.1 | 327.6 | 328.2 | 329.2 | 330.5 | 331.7 | 333.0 | 334.3 | 335.2 |
| 110° | 371.3 | 371.9 | 372.5 | 373.0 | 373.6 | 374.4 | 375.6 | 376.8 | 377.9 | 379.0 | 379.4 |



TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 415.3 | 416.4 | 417.4 | 418.4 | 419.5 | 420.3 | 420.8 | 421.3 | 421.8 | 422.3 | 422.3 |
| 115° | 483.0 | 483.6 | 484.2 | 484.7 | 485.3 | 485.5 | 485.3 | 485.2 | 484.9 | 484.7 | 485.2 |
| 117.5° | 544.1 | 544.8 | 545.6 | 546.4 | 547.2 | 547.7 | 548.1 | 548.5 | 549.0 | 549.4 | 549.3 |
| 120° | 585.3 | 586.1 | 586.9 | 587.6 | 588.4 | 588.7 | 588.5 | 588.3 | 588.1 | 587.9 | 588.3 |
| 122.5° | 623.8 | 624.3 | 624.7 | 625.2 | 625.7 | 626.0 | 626.3 | 626.5 | 626.8 | 627.1 | 627.3 |
| 125° | 679.0 | 679.8 | 680.5 | 681.3 | 682.1 | 682.3 | 681.9 | 681.5 | 681.1 | 680.7 | 681.3 |
| 127.5° | 731.2 | 731.4 | 731.7 | 731.8 | 732.0 | 732.5 | 733.5 | 734.3 | 735.2 | 736.1 | 736.0 |
| 130° | 765.0 | 765.2 | 765.3 | 765.5 | 765.7 | 766.1 | 766.7 | 767.2 | 767.8 | 768.4 | 768.6 |
| 132.5° | 795.9 | 796.3 | 796.6 | 796.9 | 797.3 | 797.8 | 798.6 | 799.3 | 800.0 | 800.7 | 800.9 |
| 135° | 842.3 | 842.1 | 842.0 | 841.7 | 841.5 | 841.8 | 842.6 | 843.3 | 844.1 | 844.9 | 845.2 |
| 137.5° | 883.4 | 883.5 | 883.6 | 883.6 | 883.7 | 884.2 | 885.0 | 885.9 | 886.7 | 887.5 | 887.9 |
| 140° | 910.2 | 910.6 | 911.0 | 911.4 | 911.7 | 912.1 | 912.5 | 912.9 | 913.3 | 913.7 | 914.2 |
| 142.5° | 934.3 | 935.0 | 935.6 | 936.3 | 937.0 | 937.5 | 937.7 | 938.0 | 938.1 | 938.4 | 938.8 |
| 145° | 971.2 | 971.8 | 972.4 | 972.9 | 973.5 | 973.8 | 973.8 | 973.8 | 973.8 | 973.8 | 974.0 |
| 147.5° | 1000.7 | 1001.7 | 1002.8 | 1003.8 | 1005.0 | 1005.4 | 1005.1 | 1005.0 | 1004.8 | 1004.6 | 1004.8 |
| 150° | 1021.9 | 1022.7 | 1023.5 | 1024.2 | 1025.0 | 1025.3 | 1025.1 | 1024.9 | 1024.8 | 1024.5 | 1024.5 |
| 152.5° | 1039.8 | 1040.4 | 1041.0 | 1041.6 | 1042.2 | 1042.4 | 1042.1 | 1041.7 | 1041.4 | 1041.0 | 1041.4 |
| 155° | 1065.0 | 1065.1 | 1065.3 | 1065.5 | 1065.7 | 1065.5 | 1065.0 | 1064.4 | 1063.8 | 1063.2 | 1063.9 |
| 157.5° | 1086.1 | 1086.0 | 1085.8 | 1085.7 | 1085.6 | 1085.2 | 1084.6 | 1083.9 | 1083.3 | 1082.6 | 1083.7 |
| 160° | 1098.5 | 1097.9 | 1097.3 | 1096.7 | 1096.1 | 1095.8 | 1095.6 | 1095.4 | 1095.2 | 1095.0 | 1096.1 |
| 162.5° | 1109.5 | 1108.7 | 1108.0 | 1107.2 | 1106.6 | 1106.1 | 1105.9 | 1105.7 | 1105.5 | 1105.4 | 1106.5 |
| 165° | 1123.3 | 1122.4 | 1121.5 | 1120.5 | 1119.6 | 1119.0 | 1119.0 | 1119.0 | 1119.0 | 1119.0 | 1120.6 |
| 167.5° | 1134.4 | 1133.4 | 1132.4 | 1131.4 | 1130.4 | 1129.9 | 1129.7 | 1129.6 | 1129.5 | 1129.4 | 1131.1 |
| 170° | 1140.6 | 1139.4 | 1138.2 | 1137.1 | 1136.0 | 1135.5 | 1135.7 | 1135.9 | 1136.1 | 1136.3 | 1137.8 |
| 172.5° | 1144.7 | 1143.6 | 1142.4 | 1141.3 | 1140.1 | 1139.6 | 1139.8 | 1140.1 | 1140.2 | 1140.4 | 1141.9 |
| 175° | 1149.2 | 1148.1 | 1146.9 | 1145.7 | 1144.6 | 1144.1 | 1144.3 | 1144.5 | 1144.7 | 1144.9 | 1146.6 |
| 177.5° | 1151.2 | 1150.1 | 1149.1 | 1148.1 | 1146.9 | 1146.6 | 1146.9 | 1147.2 | 1147.5 | 1147.8 | 1149.0 |
| 180° | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 |



TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 | 1196.1 |
| 2.5° | 1191.6 | 1193.3 | 1195.2 | 1196.0 | 1195.8 | 1195.7 | 1195.5 | 1195.3 |
| 5° | 1183.6 | 1185.7 | 1187.7 | 1188.5 | 1188.1 | 1187.7 | 1187.3 | 1186.9 |
| 7.5° | 1167.9 | 1169.2 | 1170.5 | 1170.8 | 1170.2 | 1169.5 | 1168.9 | 1168.2 |
| 10° | 1153.7 | 1154.5 | 1155.4 | 1155.4 | 1154.5 | 1153.7 | 1152.9 | 1152.1 |
| 12.5° | 1136.3 | 1136.7 | 1137.2 | 1136.9 | 1135.7 | 1134.6 | 1133.4 | 1132.3 |
| 15° | 1105.5 | 1105.1 | 1104.7 | 1103.8 | 1102.3 | 1100.9 | 1099.5 | 1098.0 |
| 17.5° | 1068.5 | 1067.4 | 1066.2 | 1064.5 | 1062.4 | 1060.2 | 1058.1 | 1055.9 |
| 20° | 1042.6 | 1040.9 | 1039.3 | 1037.2 | 1034.6 | 1031.9 | 1029.2 | 1026.7 |
| 22.5° | 1013.9 | 1011.4 | 1009.0 | 1006.7 | 1004.5 | 1002.4 | 1000.2 | 998.1 |
| 25° | 967.5 | 964.1 | 960.6 | 957.9 | 955.8 | 953.8 | 951.7 | 949.7 |
| 27.5° | 920.2 | 916.0 | 911.7 | 908.1 | 905.2 | 902.2 | 899.3 | 896.4 |
| 30° | 886.4 | 881.3 | 876.2 | 872.0 | 868.8 | 865.6 | 862.3 | 859.0 |
| 32.5° | 851.8 | 845.9 | 840.0 | 835.5 | 832.4 | 829.3 | 826.2 | 823.1 |
| 35° | 800.3 | 793.4 | 786.5 | 781.2 | 777.6 | 773.9 | 770.2 | 766.5 |
| 37.5° | 745.0 | 737.3 | 729.5 | 723.8 | 720.2 | 716.5 | 712.9 | 709.2 |
| 40° | 708.3 | 699.6 | 691.1 | 685.0 | 681.4 | 677.7 | 674.1 | 670.4 |
| 42.5° | 672.0 | 663.3 | 654.6 | 648.3 | 644.5 | 640.7 | 636.9 | 633.0 |
| 45° | 616.6 | 606.6 | 596.6 | 589.8 | 586.1 | 582.5 | 578.8 | 575.1 |
| 47.5° | 560.7 | 550.4 | 540.0 | 532.8 | 528.8 | 524.8 | 520.7 | 516.7 |
| 50° | 523.7 | 513.5 | 503.3 | 496.3 | 492.4 | 488.5 | 484.7 | 480.8 |
| 52.5° | 486.7 | 476.4 | 466.0 | 458.8 | 454.8 | 450.7 | 446.8 | 442.7 |
| 55° | 432.1 | 421.5 | 411.0 | 403.8 | 399.9 | 396.1 | 392.2 | 388.3 |
| 57.5° | 378.9 | 368.2 | 357.4 | 350.6 | 347.7 | 344.7 | 341.8 | 338.9 |
| 60° | 343.4 | 332.8 | 322.2 | 315.2 | 312.0 | 308.8 | 305.5 | 302.2 |
| 62.5° | 308.3 | 298.6 | 288.8 | 282.6 | 280.0 | 277.4 | 274.7 | 272.2 |
| 65° | 258.1 | 249.4 | 240.6 | 235.1 | 232.6 | 230.1 | 227.7 | 225.3 |
| 67.5° | 212.1 | 204.6 | 197.0 | 191.9 | 189.2 | 186.5 | 183.8 | 181.2 |
| 70° | 180.7 | 174.0 | 167.3 | 162.9 | 160.9 | 158.9 | 156.8 | 154.8 |
| 72.5° | 152.7 | 146.9 | 141.1 | 137.3 | 135.5 | 133.6 | 131.7 | 129.8 |
| 75° | 112.4 | 107.8 | 103.1 | 100.1 | 98.9 | 97.7 | 96.4 | 95.2 |
| 77.5° | 79.6 | 76.8 | 74.0 | 72.5 | 72.2 | 71.8 | 71.5 | 71.0 |
| 80° | 61.0 | 60.4 | 59.8 | 59.4 | 59.2 | 59.0 | 58.8 | 58.6 |
| 82.5° | 47.4 | 47.0 | 46.6 | 46.2 | 46.1 | 45.8 | 45.6 | 45.5 |
| 85° | 27.6 | 27.2 | 26.8 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 87.5° | 14.2 | 14.2 | 14.3 | 14.5 | 14.7 | 14.9 | 15.2 | 15.4 |
| 90° | 21.2 | 22.4 | 23.5 | 24.3 | 24.6 | 25.1 | 25.4 | 25.7 |
| 92.5° | 20.5 | 21.7 | 22.8 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 |
| 95° | 21.2 | 22.4 | 23.5 | 24.2 | 24.4 | 24.5 | 24.7 | 24.9 |
| 97.5° | 22.9 | 23.1 | 23.2 | 23.3 | 23.5 | 23.7 | 23.8 | 24.1 |
| 100° | 31.3 | 28.1 | 24.8 | 23.3 | 23.5 | 23.7 | 23.8 | 24.1 |
| 102.5° | 112.2 | 77.1 | 42.1 | 24.6 | 24.6 | 24.7 | 24.7 | 24.8 |
| 105° | 271.6 | 273.3 | 275.0 | 272.5 | 265.6 | 258.7 | 251.8 | 245.0 |
| 107.5° | 336.0 | 336.9 | 337.7 | 338.5 | 339.2 | 339.9 | 340.7 | 341.4 |
| 110° | 379.8 | 380.2 | 380.6 | 381.1 | 381.6 | 382.2 | 382.8 | 383.3 |



TEST NUMBER: P332946-935

CATALOG NUMBER: S124RDIP-S795D1035U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 422.2 | 422.1 | 422.1 | 422.4 | 423.1 | 423.9 | 424.6 | 425.2 |
| 115° | 485.5 | 485.9 | 486.3 | 486.5 | 486.5 | 486.5 | 486.5 | 486.5 |
| 117.5° | 549.2 | 549.1 | 549.1 | 549.1 | 549.0 | 548.9 | 548.8 | 548.7 |
| 120° | 588.7 | 589.0 | 589.4 | 589.4 | 589.0 | 588.7 | 588.3 | 587.9 |
| 122.5° | 627.6 | 627.8 | 628.0 | 627.9 | 627.6 | 627.2 | 626.8 | 626.4 |
| 125° | 681.9 | 682.4 | 683.0 | 683.4 | 683.6 | 683.8 | 684.0 | 684.2 |
| 127.5° | 735.9 | 735.7 | 735.6 | 735.5 | 735.4 | 735.2 | 735.0 | 734.9 |
| 130° | 768.8 | 769.0 | 769.1 | 769.3 | 769.3 | 769.3 | 769.3 | 769.3 |
| 132.5° | 801.1 | 801.3 | 801.5 | 801.5 | 801.3 | 801.2 | 801.1 | 800.9 |
| 135° | 845.7 | 846.0 | 846.4 | 846.8 | 847.2 | 847.6 | 847.9 | 848.3 |
| 137.5° | 888.4 | 888.8 | 889.2 | 889.3 | 889.2 | 889.2 | 889.0 | 888.9 |
| 140° | 914.8 | 915.4 | 915.9 | 916.4 | 916.5 | 916.7 | 916.9 | 917.1 |
| 142.5° | 939.3 | 939.7 | 940.1 | 940.3 | 940.4 | 940.4 | 940.5 | 940.5 |
| 145° | 974.2 | 974.4 | 974.6 | 974.9 | 975.3 | 975.6 | 976.0 | 976.4 |
| 147.5° | 1004.9 | 1005.0 | 1005.2 | 1005.4 | 1005.6 | 1005.7 | 1006.0 | 1006.2 |
| 150° | 1024.5 | 1024.5 | 1024.5 | 1024.6 | 1024.8 | 1025.0 | 1025.2 | 1025.4 |
| 152.5° | 1041.6 | 1042.0 | 1042.2 | 1042.3 | 1042.2 | 1042.2 | 1042.0 | 1041.9 |
| 155° | 1064.7 | 1065.5 | 1066.3 | 1066.3 | 1065.8 | 1065.2 | 1064.6 | 1064.1 |
| 157.5° | 1084.6 | 1085.6 | 1086.6 | 1086.6 | 1085.6 | 1084.6 | 1083.7 | 1082.6 |
| 160° | 1097.3 | 1098.5 | 1099.6 | 1099.6 | 1098.5 | 1097.3 | 1096.1 | 1095.0 |
| 162.5° | 1107.6 | 1108.8 | 1109.9 | 1109.8 | 1108.5 | 1107.2 | 1106.0 | 1104.7 |
| 165° | 1122.1 | 1123.7 | 1125.2 | 1125.1 | 1123.3 | 1121.6 | 1119.9 | 1118.2 |
| 167.5° | 1132.7 | 1134.5 | 1136.1 | 1136.0 | 1134.1 | 1132.2 | 1130.2 | 1128.3 |
| 170° | 1139.4 | 1140.8 | 1142.4 | 1142.2 | 1140.3 | 1138.4 | 1136.4 | 1134.5 |
| 172.5° | 1143.5 | 1145.0 | 1146.5 | 1146.2 | 1144.2 | 1142.1 | 1140.1 | 1138.0 |
| 175° | 1148.3 | 1150.0 | 1151.8 | 1151.4 | 1149.2 | 1146.9 | 1144.6 | 1142.3 |
| 177.5° | 1150.2 | 1151.4 | 1152.7 | 1152.4 | 1150.6 | 1148.7 | 1146.9 | 1145.0 |
| 180° | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 | 1149.2 |

(END OF REPORT)