

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: P332604-935

Luminaire Tested: **S124DIP-S795D810U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332604-935
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: S124DIP-S795D810U935-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5719.8 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

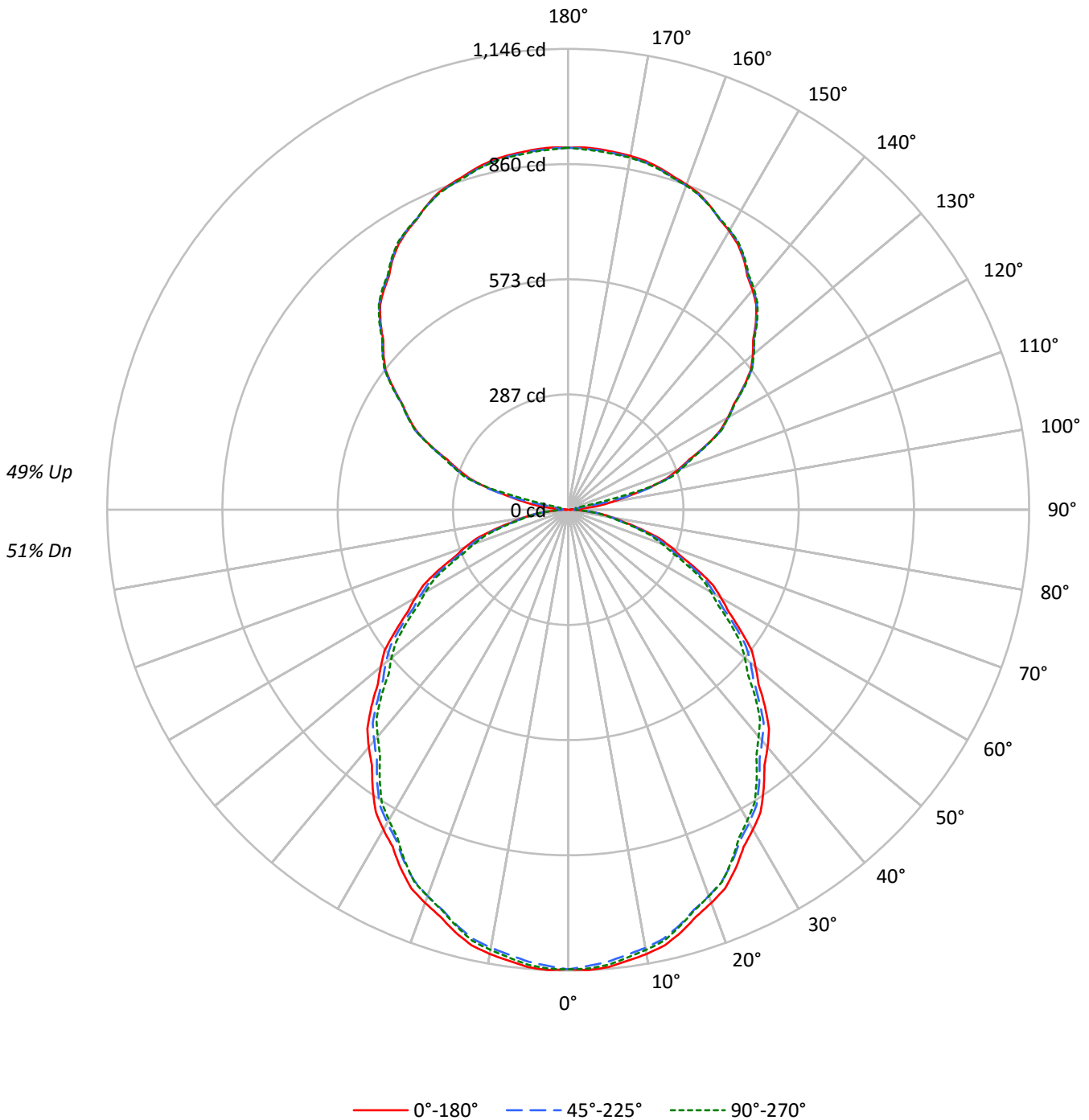
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | 51 | 51 | 51 | |
| 1 | 98 | 94 | 90 | 86 | 90 | 87 | 83 | 80 | 74 | 71 | 69 | 62 | 60 | 58 | 51 | 49 | 48 | 43 | 43 | 43 | 43 | |
| 2 | 89 | 82 | 76 | 70 | 82 | 76 | 70 | 66 | 65 | 61 | 57 | 54 | 51 | 49 | 45 | 42 | 41 | 36 | 36 | 36 | 36 | |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 35 | 31 | 31 | 31 | 31 | |
| 4 | 74 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 35 | 35 | 32 | 30 | 26 | 26 | 26 | 26 | |
| 5 | 68 | 57 | 49 | 43 | 63 | 53 | 45 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 29 | 26 | 23 | 23 | 23 | 23 | |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 25 | 23 | 20 | 20 | 20 | 20 | |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 | 18 | 18 | 18 | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 | 16 | 16 | 16 | |
| 9 | 50 | 38 | 31 | 25 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 14 | 14 | 14 | 14 | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 21 | 17 | 15 | 13 | 13 | 13 | 13 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9227 | 9227 | 9227 |
| 5° | 9255 | 9143 | 9210 |
| 10° | 9197 | 9069 | 9114 |
| 15° | 9086 | 8940 | 8964 |
| 20° | 8937 | 8781 | 8789 |
| 25° | 8769 | 8598 | 8573 |
| 30° | 8563 | 8383 | 8307 |
| 35° | 8348 | 8159 | 8051 |
| 40° | 8126 | 7904 | 7759 |
| 45° | 7895 | 7654 | 7507 |
| 50° | 7637 | 7430 | 7200 |
| 55° | 7361 | 7142 | 6909 |
| 60° | 7083 | 6817 | 6610 |
| 65° | 6770 | 6508 | 6245 |
| 70° | 6420 | 6097 | 5858 |
| 75° | 5883 | 5599 | 5459 |
| 80° | 5235 | 5026 | 4895 |
| 85° | 4576 | 4409 | 4326 |



TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.6 | 1.9 |
| 10°-20° | 303.3 | 5.3 |
| 20°-30° | 446.4 | 7.8 |
| 30°-40° | 518.9 | 9.1 |
| 40°-50° | 518.9 | 9.1 |
| 50°-60° | 453.9 | 7.9 |
| 60°-70° | 337.1 | 5.9 |
| 70°-80° | 191.5 | 3.3 |
| 80°-90° | 57.9 | 1.0 |
| 90°-100° | 30.8 | 0.5 |
| 100°-110° | 196.3 | 3.4 |
| 110°-120° | 375.5 | 6.6 |
| 120°-130° | 476.7 | 8.3 |
| 130°-140° | 510.0 | 8.9 |
| 140°-150° | 476.9 | 8.3 |
| 150°-160° | 384.6 | 6.7 |
| 160°-170° | 248.0 | 4.3 |
| 170°-180° | 85.5 | 1.5 |
| 0°-30° | 857.3 | 15.0 |
| 0°-40° | 1376.2 | 24.1 |
| 0°-60° | 2349.1 | 41.1 |
| 0°-90° | 2935.6 | 51.3 |
| 90°-120° | 602.6 | 10.5 |
| 90°-150° | 2066.1 | 36.1 |
| 90°-180° | 2784.0 | 48.7 |
| 0°-180° | 5719.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1143 | 1143 | 1143 | 1143 | 1143 | |
| 5° | 1142 | 1138 | 1128 | 1138 | 1136 | 108 |
| 15° | 1087 | 1083 | 1070 | 1075 | 1072 | 306 |
| 25° | 984 | 978 | 965 | 966 | 962 | 453 |
| 35° | 847 | 840 | 828 | 822 | 817 | 529 |
| 45° | 692 | 685 | 670 | 661 | 658 | 533 |
| 55° | 523 | 520 | 507 | 497 | 491 | 468 |
| 65° | 354 | 350 | 341 | 332 | 327 | 351 |
| 75° | 189 | 184 | 180 | 176 | 175 | 200 |
| 85° | 49 | 49 | 48 | 48 | 47 | 54 |
| 90° | 2 | 9 | 15 | 19 | 20 | 4 |
| 95° | 37 | 15 | 15 | 19 | 20 | 48 |
| 105° | 203 | 207 | 210 | 214 | 192 | 212 |
| 115° | 378 | 380 | 380 | 381 | 381 | 372 |
| 125° | 532 | 534 | 533 | 535 | 536 | 475 |
| 135° | 660 | 659 | 662 | 663 | 664 | 508 |
| 145° | 761 | 763 | 763 | 763 | 765 | 475 |
| 155° | 834 | 835 | 833 | 835 | 833 | 384 |
| 165° | 880 | 877 | 876 | 881 | 876 | 249 |
| 175° | 900 | 896 | 897 | 902 | 895 | 86 |
| 180° | 900 | 900 | 900 | 900 | 900 | |



TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 |
| 2.5° | 1145.9 | 1145.4 | 1144.9 | 1144.4 | 1143.9 | 1142.8 | 1141.0 | 1139.2 | 1137.4 | 1135.7 | 1137.2 |
| 5° | 1142.0 | 1141.3 | 1140.4 | 1139.6 | 1138.8 | 1137.2 | 1135.0 | 1132.7 | 1130.5 | 1128.3 | 1130.5 |
| 7.5° | 1131.4 | 1130.6 | 1129.8 | 1128.9 | 1128.2 | 1126.5 | 1124.0 | 1121.5 | 1119.0 | 1116.5 | 1118.4 |
| 10° | 1121.9 | 1121.1 | 1120.2 | 1119.5 | 1118.6 | 1116.9 | 1114.2 | 1111.6 | 1109.0 | 1106.3 | 1107.9 |
| 12.5° | 1109.4 | 1108.6 | 1107.8 | 1107.0 | 1106.2 | 1104.3 | 1101.6 | 1098.7 | 1096.0 | 1093.1 | 1094.9 |
| 15° | 1087.1 | 1086.2 | 1085.5 | 1084.6 | 1083.8 | 1081.9 | 1078.8 | 1075.8 | 1072.7 | 1069.7 | 1070.9 |
| 17.5° | 1060.1 | 1059.1 | 1058.1 | 1057.1 | 1056.1 | 1054.1 | 1051.3 | 1048.4 | 1045.4 | 1042.6 | 1043.4 |
| 20° | 1040.3 | 1039.3 | 1038.4 | 1037.3 | 1036.3 | 1034.2 | 1031.2 | 1028.1 | 1025.1 | 1022.1 | 1022.7 |
| 22.5° | 1019.2 | 1017.8 | 1016.4 | 1015.1 | 1013.7 | 1011.6 | 1008.5 | 1005.5 | 1002.4 | 999.4 | 1000.5 |
| 25° | 984.5 | 983.1 | 981.6 | 980.2 | 978.8 | 976.6 | 973.8 | 970.9 | 968.1 | 965.3 | 965.4 |
| 27.5° | 944.9 | 943.5 | 942.0 | 940.6 | 939.1 | 937.0 | 934.4 | 931.8 | 929.1 | 926.4 | 925.9 |
| 30° | 918.6 | 917.0 | 915.3 | 913.7 | 912.1 | 909.9 | 907.2 | 904.7 | 902.0 | 899.3 | 898.5 |
| 32.5° | 890.7 | 889.2 | 887.8 | 886.3 | 884.8 | 882.7 | 879.9 | 877.1 | 874.3 | 871.5 | 870.6 |
| 35° | 847.1 | 845.7 | 844.3 | 842.8 | 841.5 | 839.3 | 836.5 | 833.6 | 830.8 | 827.9 | 826.5 |
| 37.5° | 801.2 | 799.9 | 798.6 | 797.3 | 795.9 | 793.8 | 790.7 | 787.6 | 784.6 | 781.5 | 780.0 |
| 40° | 771.1 | 769.5 | 767.8 | 766.2 | 764.6 | 762.2 | 759.2 | 756.1 | 753.1 | 750.0 | 748.0 |
| 42.5° | 738.9 | 737.9 | 736.9 | 736.0 | 734.9 | 732.8 | 729.4 | 726.1 | 722.6 | 719.3 | 717.0 |
| 45° | 691.5 | 690.0 | 688.6 | 687.2 | 685.8 | 683.4 | 680.2 | 676.9 | 673.6 | 670.4 | 668.1 |
| 47.5° | 641.8 | 640.8 | 639.9 | 638.9 | 637.9 | 635.9 | 632.9 | 629.9 | 626.9 | 623.9 | 621.3 |
| 50° | 608.1 | 607.3 | 606.5 | 605.6 | 604.9 | 603.0 | 600.2 | 597.4 | 594.4 | 591.6 | 588.8 |
| 52.5° | 575.1 | 574.2 | 573.2 | 572.2 | 571.2 | 569.2 | 566.2 | 563.2 | 560.2 | 557.2 | 554.7 |
| 55° | 523.0 | 522.3 | 521.7 | 521.1 | 520.5 | 518.8 | 515.9 | 513.1 | 510.2 | 507.4 | 504.9 |
| 57.5° | 473.1 | 472.4 | 471.7 | 471.1 | 470.4 | 468.6 | 465.8 | 463.0 | 460.2 | 457.4 | 455.0 |
| 60° | 438.7 | 437.6 | 436.6 | 435.7 | 434.6 | 432.7 | 430.2 | 427.5 | 424.8 | 422.2 | 420.3 |
| 62.5° | 405.0 | 404.2 | 403.3 | 402.4 | 401.6 | 399.8 | 396.9 | 394.1 | 391.3 | 388.5 | 386.8 |
| 65° | 354.4 | 353.4 | 352.4 | 351.4 | 350.3 | 348.8 | 346.8 | 344.7 | 342.7 | 340.7 | 338.6 |
| 67.5° | 303.5 | 302.6 | 301.6 | 300.7 | 299.8 | 298.3 | 296.4 | 294.4 | 292.5 | 290.5 | 288.5 |
| 70° | 272.0 | 270.6 | 269.1 | 267.7 | 266.3 | 264.8 | 263.1 | 261.5 | 259.8 | 258.3 | 256.7 |
| 72.5° | 238.3 | 236.9 | 235.5 | 234.0 | 232.6 | 231.3 | 230.0 | 228.6 | 227.3 | 226.0 | 224.7 |
| 75° | 188.6 | 187.6 | 186.7 | 185.6 | 184.6 | 183.6 | 182.5 | 181.5 | 180.6 | 179.5 | 178.7 |
| 77.5° | 141.2 | 140.8 | 140.3 | 139.9 | 139.4 | 138.8 | 137.8 | 137.0 | 136.0 | 135.2 | 134.9 |
| 80° | 112.6 | 112.0 | 111.4 | 110.8 | 110.2 | 109.7 | 109.3 | 108.9 | 108.5 | 108.1 | 107.6 |
| 82.5° | 84.8 | 84.6 | 84.2 | 83.9 | 83.7 | 83.5 | 83.4 | 83.3 | 83.3 | 83.2 | 82.9 |
| 85° | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.2 | 48.8 | 48.5 | 48.0 | 47.6 | 47.6 |
| 87.5° | 19.5 | 19.6 | 19.8 | 20.0 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.6 | 20.8 |
| 90° | 2.0 | 3.7 | 5.3 | 7.0 | 8.6 | 10.0 | 11.2 | 12.4 | 13.6 | 14.8 | 15.7 |
| 92.5° | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9.5 | 10.7 | 11.9 | 13.1 | 14.3 | 15.2 |
| 95° | 37.0 | 31.9 | 26.9 | 21.8 | 16.7 | 14.2 | 14.4 | 14.6 | 14.6 | 14.8 | 15.7 |
| 97.5° | 78.6 | 81.8 | 85.0 | 88.2 | 91.4 | 84.6 | 67.8 | 51.1 | 34.4 | 17.7 | 17.8 |
| 100° | 110.4 | 113.1 | 115.8 | 118.5 | 121.1 | 112.2 | 91.5 | 70.9 | 50.3 | 29.6 | 27.0 |
| 102.5° | 145.9 | 147.9 | 149.9 | 151.9 | 153.9 | 153.5 | 150.8 | 148.1 | 145.4 | 142.8 | 115.3 |
| 105° | 202.6 | 203.5 | 204.4 | 205.3 | 206.2 | 207.1 | 207.8 | 208.5 | 209.3 | 210.0 | 211.4 |
| 107.5° | 255.3 | 255.7 | 256.1 | 256.7 | 257.1 | 257.8 | 258.8 | 259.8 | 260.9 | 261.9 | 262.5 |
| 110° | 290.8 | 291.3 | 291.7 | 292.1 | 292.7 | 293.3 | 294.2 | 295.1 | 296.0 | 296.9 | 297.2 |



TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 325.3 | 326.1 | 326.9 | 327.7 | 328.6 | 329.2 | 329.6 | 329.9 | 330.4 | 330.8 | 330.8 |
| 115° | 378.3 | 378.8 | 379.3 | 379.7 | 380.1 | 380.3 | 380.1 | 380.0 | 379.9 | 379.7 | 380.0 |
| 117.5° | 426.1 | 426.7 | 427.3 | 427.9 | 428.5 | 429.0 | 429.3 | 429.6 | 430.0 | 430.3 | 430.2 |
| 120° | 458.5 | 459.1 | 459.7 | 460.3 | 460.8 | 461.1 | 460.9 | 460.8 | 460.6 | 460.5 | 460.8 |
| 122.5° | 488.6 | 489.0 | 489.3 | 489.7 | 490.1 | 490.3 | 490.5 | 490.8 | 490.9 | 491.2 | 491.4 |
| 125° | 531.8 | 532.4 | 533.0 | 533.6 | 534.3 | 534.3 | 534.1 | 533.8 | 533.5 | 533.2 | 533.6 |
| 127.5° | 572.7 | 572.9 | 573.1 | 573.3 | 573.3 | 573.8 | 574.5 | 575.1 | 575.8 | 576.5 | 576.4 |
| 130° | 599.2 | 599.3 | 599.4 | 599.6 | 599.8 | 600.0 | 600.5 | 601.0 | 601.4 | 601.8 | 602.0 |
| 132.5° | 623.4 | 623.6 | 624.0 | 624.2 | 624.5 | 624.9 | 625.4 | 626.0 | 626.5 | 627.2 | 627.3 |
| 135° | 659.8 | 659.6 | 659.4 | 659.3 | 659.2 | 659.4 | 660.0 | 660.6 | 661.2 | 661.8 | 662.0 |
| 137.5° | 691.9 | 692.0 | 692.1 | 692.1 | 692.2 | 692.5 | 693.2 | 693.9 | 694.5 | 695.2 | 695.5 |
| 140° | 712.9 | 713.3 | 713.5 | 713.9 | 714.1 | 714.5 | 714.7 | 715.1 | 715.3 | 715.6 | 716.1 |
| 142.5° | 731.8 | 732.3 | 732.9 | 733.4 | 733.9 | 734.3 | 734.4 | 734.7 | 734.9 | 735.0 | 735.4 |
| 145° | 760.7 | 761.2 | 761.6 | 762.1 | 762.5 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.9 |
| 147.5° | 783.8 | 784.6 | 785.4 | 786.3 | 787.1 | 787.5 | 787.3 | 787.1 | 787.0 | 786.9 | 787.0 |
| 150° | 800.5 | 801.1 | 801.7 | 802.3 | 802.8 | 803.1 | 802.9 | 802.8 | 802.6 | 802.5 | 802.5 |
| 152.5° | 814.4 | 814.9 | 815.4 | 815.9 | 816.4 | 816.5 | 816.2 | 816.0 | 815.6 | 815.4 | 815.6 |
| 155° | 834.1 | 834.2 | 834.4 | 834.6 | 834.7 | 834.6 | 834.1 | 833.6 | 833.2 | 832.8 | 833.4 |
| 157.5° | 850.7 | 850.6 | 850.5 | 850.4 | 850.3 | 850.0 | 849.5 | 849.0 | 848.5 | 848.0 | 848.8 |
| 160° | 860.4 | 859.9 | 859.5 | 859.0 | 858.6 | 858.2 | 858.2 | 858.0 | 857.8 | 857.6 | 858.6 |
| 162.5° | 869.0 | 868.4 | 867.8 | 867.3 | 866.7 | 866.3 | 866.2 | 866.1 | 865.9 | 865.7 | 866.7 |
| 165° | 879.9 | 879.2 | 878.4 | 877.6 | 876.9 | 876.5 | 876.5 | 876.5 | 876.5 | 876.5 | 877.7 |
| 167.5° | 888.5 | 887.7 | 886.9 | 886.1 | 885.4 | 884.9 | 884.8 | 884.8 | 884.7 | 884.6 | 885.9 |
| 170° | 893.4 | 892.4 | 891.6 | 890.6 | 889.8 | 889.4 | 889.5 | 889.7 | 889.8 | 890.0 | 891.1 |
| 172.5° | 896.6 | 895.7 | 894.8 | 893.9 | 893.0 | 892.6 | 892.8 | 892.9 | 893.0 | 893.2 | 894.4 |
| 175° | 900.1 | 899.1 | 898.3 | 897.4 | 896.5 | 896.1 | 896.3 | 896.4 | 896.6 | 896.7 | 898.0 |
| 177.5° | 901.7 | 900.9 | 900.0 | 899.1 | 898.4 | 898.0 | 898.3 | 898.5 | 898.8 | 899.0 | 899.9 |
| 180° | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 |



TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 |
| 2.5° | 1138.8 | 1140.5 | 1142.1 | 1142.9 | 1142.7 | 1142.5 | 1142.4 | 1142.2 |
| 5° | 1132.7 | 1135.0 | 1137.2 | 1138.2 | 1137.7 | 1137.4 | 1137.0 | 1136.5 |
| 7.5° | 1120.2 | 1122.0 | 1123.7 | 1124.5 | 1124.3 | 1124.0 | 1123.8 | 1123.5 |
| 10° | 1109.6 | 1111.2 | 1112.8 | 1113.4 | 1113.0 | 1112.6 | 1112.2 | 1111.8 |
| 12.5° | 1096.7 | 1098.5 | 1100.3 | 1100.9 | 1100.4 | 1099.8 | 1099.2 | 1098.6 |
| 15° | 1072.1 | 1073.3 | 1074.5 | 1074.9 | 1074.3 | 1073.7 | 1073.1 | 1072.5 |
| 17.5° | 1044.1 | 1044.9 | 1045.7 | 1045.9 | 1045.4 | 1045.0 | 1044.7 | 1044.2 |
| 20° | 1023.3 | 1023.9 | 1024.5 | 1024.6 | 1024.2 | 1023.8 | 1023.4 | 1023.0 |
| 22.5° | 1001.5 | 1002.6 | 1003.8 | 1003.9 | 1003.2 | 1002.5 | 1001.7 | 1001.0 |
| 25° | 965.7 | 965.9 | 966.1 | 965.8 | 965.0 | 964.1 | 963.4 | 962.5 |
| 27.5° | 925.5 | 925.0 | 924.5 | 923.8 | 922.7 | 921.7 | 920.7 | 919.6 |
| 30° | 897.7 | 896.9 | 896.0 | 895.2 | 894.1 | 893.1 | 892.1 | 891.1 |
| 32.5° | 869.5 | 868.6 | 867.6 | 866.6 | 865.6 | 864.5 | 863.5 | 862.5 |
| 35° | 825.1 | 823.6 | 822.2 | 821.0 | 819.9 | 819.0 | 817.9 | 816.9 |
| 37.5° | 778.4 | 776.9 | 775.4 | 774.0 | 772.6 | 771.3 | 769.9 | 768.5 |
| 40° | 746.0 | 744.0 | 741.9 | 740.4 | 739.3 | 738.4 | 737.4 | 736.3 |
| 42.5° | 714.5 | 712.2 | 709.8 | 708.3 | 707.7 | 707.0 | 706.3 | 705.6 |
| 45° | 665.9 | 663.7 | 661.4 | 660.0 | 659.4 | 658.8 | 658.1 | 657.5 |
| 47.5° | 618.8 | 616.3 | 613.7 | 611.7 | 610.2 | 608.6 | 607.1 | 605.5 |
| 50° | 585.9 | 583.1 | 580.2 | 578.2 | 577.0 | 575.8 | 574.5 | 573.3 |
| 52.5° | 552.2 | 549.6 | 547.1 | 545.1 | 543.5 | 542.0 | 540.4 | 538.9 |
| 55° | 502.5 | 500.1 | 497.6 | 495.8 | 494.6 | 493.4 | 492.1 | 490.9 |
| 57.5° | 452.7 | 450.4 | 448.1 | 446.3 | 445.1 | 443.9 | 442.8 | 441.6 |
| 60° | 418.5 | 416.7 | 414.8 | 413.5 | 412.4 | 411.4 | 410.4 | 409.4 |
| 62.5° | 385.1 | 383.5 | 381.9 | 380.5 | 379.4 | 378.4 | 377.5 | 376.4 |
| 65° | 336.7 | 334.6 | 332.5 | 331.1 | 330.0 | 329.0 | 328.0 | 326.9 |
| 67.5° | 286.6 | 284.6 | 282.7 | 281.5 | 281.3 | 281.0 | 280.7 | 280.4 |
| 70° | 255.0 | 253.4 | 251.8 | 250.6 | 250.0 | 249.4 | 248.8 | 248.2 |
| 72.5° | 223.4 | 222.1 | 220.8 | 219.9 | 219.2 | 218.6 | 218.0 | 217.4 |
| 75° | 177.9 | 177.0 | 176.2 | 175.7 | 175.6 | 175.3 | 175.1 | 175.0 |
| 77.5° | 134.7 | 134.4 | 134.2 | 133.8 | 133.3 | 132.8 | 132.2 | 131.7 |
| 80° | 107.3 | 106.9 | 106.4 | 106.2 | 105.9 | 105.7 | 105.6 | 105.3 |
| 82.5° | 82.7 | 82.4 | 82.1 | 82.0 | 81.8 | 81.5 | 81.4 | 81.1 |
| 85° | 47.6 | 47.6 | 47.6 | 47.5 | 47.4 | 47.1 | 46.9 | 46.7 |
| 87.5° | 20.9 | 21.1 | 21.3 | 21.4 | 21.4 | 21.5 | 21.5 | 21.6 |
| 90° | 16.6 | 17.5 | 18.4 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 |
| 92.5° | 16.1 | 17.0 | 17.8 | 18.3 | 18.4 | 18.4 | 18.5 | 18.6 |
| 95° | 16.6 | 17.5 | 18.4 | 18.9 | 19.1 | 19.2 | 19.4 | 19.5 |
| 97.5° | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.7 | 18.9 |
| 100° | 24.5 | 22.0 | 19.5 | 18.3 | 18.4 | 18.5 | 18.7 | 18.9 |
| 102.5° | 87.8 | 60.4 | 33.0 | 19.3 | 19.3 | 19.3 | 19.4 | 19.4 |
| 105° | 212.8 | 214.0 | 215.4 | 213.4 | 208.0 | 202.6 | 197.3 | 191.8 |
| 107.5° | 263.2 | 263.8 | 264.5 | 265.1 | 265.7 | 266.2 | 266.8 | 267.4 |
| 110° | 297.5 | 297.8 | 298.1 | 298.4 | 298.9 | 299.4 | 299.8 | 300.2 |



TEST NUMBER: P332604-935

CATALOG NUMBER: S124DIP-S795D810U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 330.7 | 330.6 | 330.5 | 330.8 | 331.4 | 332.0 | 332.5 | 333.1 |
| 115° | 380.3 | 380.6 | 380.9 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 |
| 117.5° | 430.2 | 430.2 | 430.1 | 430.0 | 430.0 | 429.9 | 429.8 | 429.8 |
| 120° | 461.1 | 461.4 | 461.7 | 461.7 | 461.4 | 461.1 | 460.8 | 460.5 |
| 122.5° | 491.5 | 491.7 | 491.9 | 491.8 | 491.5 | 491.2 | 490.9 | 490.6 |
| 125° | 534.1 | 534.5 | 534.9 | 535.3 | 535.5 | 535.5 | 535.7 | 535.9 |
| 127.5° | 576.4 | 576.3 | 576.2 | 576.1 | 575.9 | 575.8 | 575.8 | 575.6 |
| 130° | 602.2 | 602.3 | 602.4 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |
| 132.5° | 627.5 | 627.6 | 627.8 | 627.8 | 627.7 | 627.5 | 627.4 | 627.3 |
| 135° | 662.4 | 662.6 | 663.0 | 663.2 | 663.6 | 663.8 | 664.2 | 664.4 |
| 137.5° | 695.8 | 696.1 | 696.5 | 696.5 | 696.5 | 696.4 | 696.3 | 696.2 |
| 140° | 716.5 | 717.0 | 717.4 | 717.7 | 717.9 | 718.0 | 718.2 | 718.3 |
| 142.5° | 735.6 | 736.0 | 736.3 | 736.5 | 736.5 | 736.6 | 736.6 | 736.6 |
| 145° | 763.0 | 763.2 | 763.4 | 763.5 | 763.9 | 764.1 | 764.5 | 764.7 |
| 147.5° | 787.1 | 787.2 | 787.3 | 787.5 | 787.6 | 787.7 | 787.9 | 788.1 |
| 150° | 802.5 | 802.5 | 802.5 | 802.5 | 802.7 | 802.8 | 803.0 | 803.1 |
| 152.5° | 815.9 | 816.1 | 816.3 | 816.4 | 816.3 | 816.2 | 816.1 | 816.1 |
| 155° | 834.0 | 834.6 | 835.2 | 835.3 | 834.7 | 834.3 | 833.9 | 833.4 |
| 157.5° | 849.5 | 850.3 | 851.1 | 851.1 | 850.3 | 849.5 | 848.8 | 848.0 |
| 160° | 859.5 | 860.4 | 861.3 | 861.3 | 860.4 | 859.5 | 858.6 | 857.6 |
| 162.5° | 867.5 | 868.4 | 869.4 | 869.3 | 868.2 | 867.2 | 866.3 | 865.2 |
| 165° | 878.9 | 880.1 | 881.3 | 881.2 | 879.9 | 878.6 | 877.2 | 875.8 |
| 167.5° | 887.3 | 888.6 | 889.8 | 889.8 | 888.3 | 886.7 | 885.3 | 883.8 |
| 170° | 892.3 | 893.5 | 894.8 | 894.6 | 893.1 | 891.7 | 890.1 | 888.6 |
| 172.5° | 895.6 | 896.8 | 898.0 | 897.8 | 896.2 | 894.6 | 892.9 | 891.3 |
| 175° | 899.4 | 900.8 | 902.1 | 901.9 | 900.1 | 898.3 | 896.5 | 894.7 |
| 177.5° | 901.0 | 901.9 | 902.8 | 902.6 | 901.1 | 899.7 | 898.3 | 896.8 |
| 180° | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 |

(END OF REPORT)