

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: P332613-940

Luminaire Tested: **S124DIP-S795D1035U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332613-940
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-S795D1035U940-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6722.5 lumens
Efficiency: N/A
Efficacy: 129.3 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

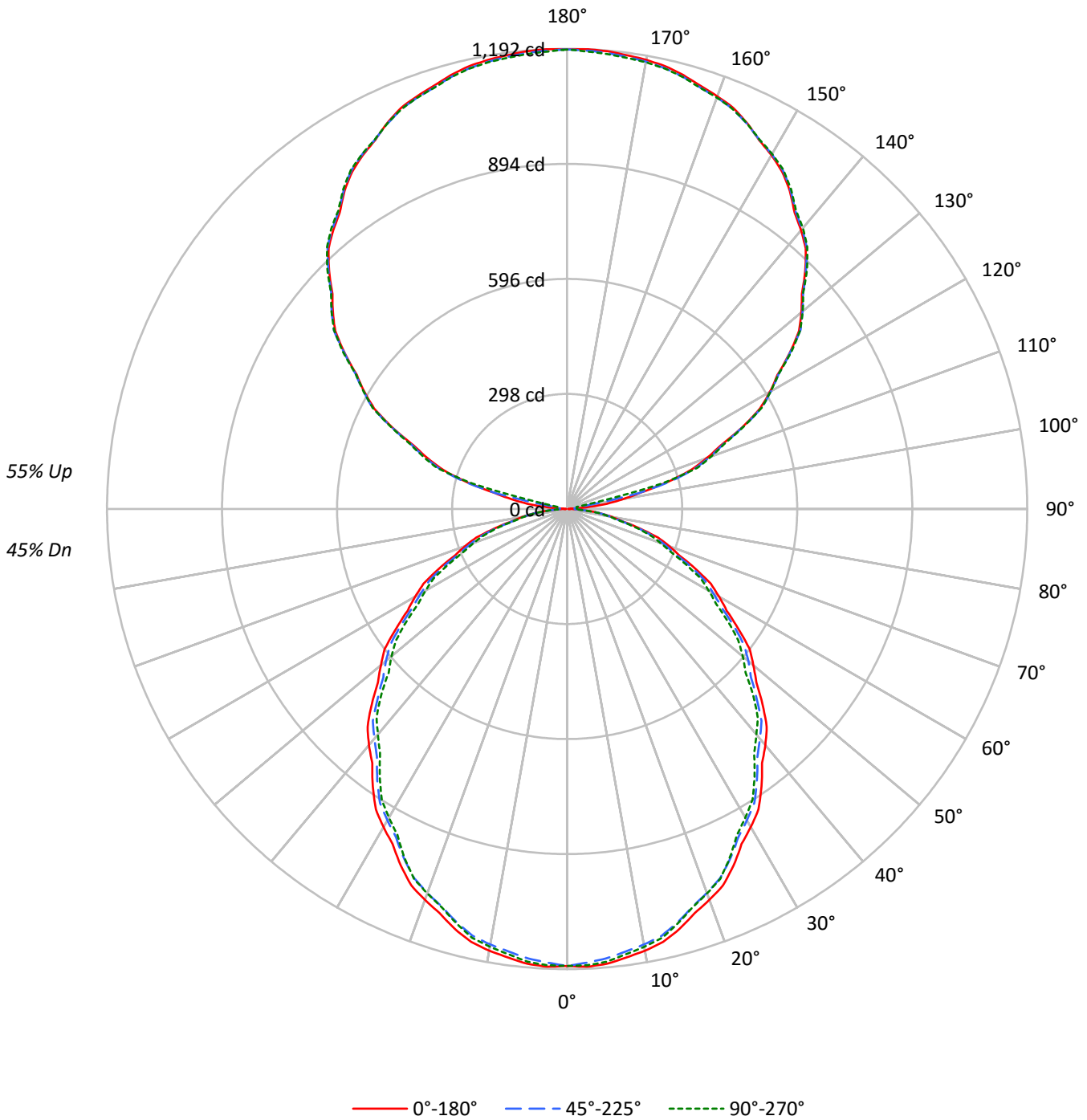
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-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 | 81 | 81 | 81 | | 66 | 66 | 66 | | 52 | 52 | 52 | 45 |
| 1 | 97 | 92 | 88 | 85 | 88 | 85 | 81 | 78 | 71 | 68 | 66 | | 58 | 56 | 55 | | 46 | 45 | 44 | 38 |
| 2 | 88 | 81 | 75 | 69 | 80 | 74 | 69 | 64 | 62 | 58 | 55 | | 51 | 48 | 45 | | 40 | 38 | 37 | 32 |
| 3 | 80 | 71 | 64 | 58 | 73 | 65 | 59 | 54 | 55 | 50 | 46 | | 45 | 41 | 38 | | 36 | 33 | 31 | 27 |
| 4 | 73 | 63 | 55 | 49 | 67 | 58 | 51 | 46 | 48 | 43 | 39 | | 40 | 36 | 33 | | 32 | 29 | 27 | 23 |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 38 | 34 | | 36 | 32 | 29 | | 29 | 26 | 23 | 20 |
| 6 | 62 | 50 | 42 | 36 | 57 | 46 | 39 | 34 | 39 | 33 | 29 | | 32 | 28 | 25 | | 26 | 23 | 21 | 18 |
| 7 | 57 | 45 | 37 | 32 | 52 | 42 | 35 | 30 | 35 | 30 | 26 | | 29 | 25 | 22 | | 24 | 21 | 18 | 16 |
| 8 | 53 | 41 | 33 | 28 | 49 | 38 | 31 | 26 | 32 | 27 | 23 | | 27 | 23 | 20 | | 22 | 19 | 16 | 14 |
| 9 | 49 | 37 | 30 | 25 | 45 | 35 | 28 | 23 | 30 | 24 | 21 | | 25 | 21 | 18 | | 20 | 17 | 15 | 13 |
| 10 | 46 | 34 | 27 | 22 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | | 23 | 19 | 16 | | 19 | 16 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9556 | 9556 | 9556 |
| 5° | 9585 | 9469 | 9539 |
| 10° | 9525 | 9393 | 9439 |
| 15° | 9410 | 9260 | 9283 |
| 20° | 9257 | 9094 | 9101 |
| 25° | 9082 | 8905 | 8879 |
| 30° | 8869 | 8682 | 8603 |
| 35° | 8647 | 8451 | 8339 |
| 40° | 8416 | 8186 | 8037 |
| 45° | 8176 | 7927 | 7775 |
| 50° | 7910 | 7695 | 7458 |
| 55° | 7623 | 7396 | 7156 |
| 60° | 7335 | 7061 | 6846 |
| 65° | 7011 | 6739 | 6468 |
| 70° | 6649 | 6314 | 6069 |
| 75° | 6095 | 5798 | 5652 |
| 80° | 5421 | 5202 | 5072 |
| 85° | 4742 | 4566 | 4474 |



TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.5 | 1.7 |
| 10°-20° | 314.1 | 4.7 |
| 20°-30° | 462.3 | 6.9 |
| 30°-40° | 537.4 | 8.0 |
| 40°-50° | 537.5 | 8.0 |
| 50°-60° | 470.1 | 7.0 |
| 60°-70° | 349.1 | 5.2 |
| 70°-80° | 198.4 | 3.0 |
| 80°-90° | 60.7 | 0.9 |
| 90°-100° | 40.7 | 0.6 |
| 100°-110° | 259.5 | 3.9 |
| 110°-120° | 496.5 | 7.4 |
| 120°-130° | 630.3 | 9.4 |
| 130°-140° | 674.3 | 10.0 |
| 140°-150° | 630.6 | 9.4 |
| 150°-160° | 508.5 | 7.6 |
| 160°-170° | 328.0 | 4.9 |
| 170°-180° | 113.0 | 1.7 |
| 0°-30° | 887.8 | 13.2 |
| 0°-40° | 1425.3 | 21.2 |
| 0°-60° | 2432.8 | 36.2 |
| 0°-90° | 3041.0 | 45.2 |
| 90°-120° | 796.7 | 11.9 |
| 90°-150° | 2731.9 | 40.6 |
| 90°-180° | 3681.0 | 54.8 |
| 0°-180° | 6722.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1184 | 1184 | 1184 | 1184 | 1184 | |
| 5° | 1183 | 1179 | 1168 | 1178 | 1177 | 112 |
| 15° | 1126 | 1122 | 1108 | 1113 | 1111 | 317 |
| 25° | 1020 | 1013 | 1000 | 1000 | 997 | 469 |
| 35° | 877 | 870 | 858 | 851 | 846 | 548 |
| 45° | 716 | 709 | 694 | 684 | 681 | 552 |
| 55° | 542 | 538 | 526 | 514 | 508 | 485 |
| 65° | 367 | 362 | 353 | 344 | 339 | 363 |
| 75° | 195 | 191 | 186 | 182 | 181 | 208 |
| 85° | 51 | 51 | 49 | 49 | 48 | 56 |
| 90° | 3 | 12 | 20 | 25 | 27 | 5 |
| 95° | 49 | 20 | 20 | 25 | 26 | 63 |
| 105° | 268 | 273 | 278 | 284 | 254 | 280 |
| 115° | 500 | 503 | 502 | 504 | 504 | 492 |
| 125° | 703 | 706 | 705 | 708 | 709 | 628 |
| 135° | 872 | 872 | 875 | 877 | 879 | 672 |
| 145° | 1006 | 1008 | 1008 | 1010 | 1011 | 628 |
| 155° | 1103 | 1104 | 1101 | 1104 | 1102 | 508 |
| 165° | 1163 | 1159 | 1159 | 1165 | 1158 | 329 |
| 175° | 1190 | 1185 | 1186 | 1193 | 1183 | 113 |
| 180° | 1190 | 1190 | 1190 | 1190 | 1190 | |



TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 |
| 2.5° | 1186.8 | 1186.2 | 1185.7 | 1185.3 | 1184.7 | 1183.6 | 1181.7 | 1179.8 | 1177.9 | 1176.2 | 1177.8 |
| 5° | 1182.8 | 1182.0 | 1181.1 | 1180.3 | 1179.4 | 1177.8 | 1175.5 | 1173.1 | 1170.8 | 1168.5 | 1170.8 |
| 7.5° | 1171.8 | 1170.9 | 1170.1 | 1169.2 | 1168.4 | 1166.7 | 1164.1 | 1161.5 | 1159.0 | 1156.4 | 1158.2 |
| 10° | 1161.9 | 1161.1 | 1160.2 | 1159.4 | 1158.5 | 1156.7 | 1154.0 | 1151.3 | 1148.5 | 1145.8 | 1147.5 |
| 12.5° | 1149.0 | 1148.2 | 1147.3 | 1146.5 | 1145.7 | 1143.7 | 1140.9 | 1137.9 | 1135.1 | 1132.1 | 1134.0 |
| 15° | 1125.9 | 1125.0 | 1124.2 | 1123.3 | 1122.5 | 1120.5 | 1117.3 | 1114.2 | 1111.0 | 1107.9 | 1109.1 |
| 17.5° | 1098.0 | 1096.9 | 1095.8 | 1094.8 | 1093.8 | 1091.7 | 1088.8 | 1085.7 | 1082.7 | 1079.8 | 1080.6 |
| 20° | 1077.5 | 1076.4 | 1075.4 | 1074.3 | 1073.3 | 1071.1 | 1068.0 | 1064.8 | 1061.7 | 1058.5 | 1059.2 |
| 22.5° | 1055.5 | 1054.1 | 1052.7 | 1051.3 | 1049.9 | 1047.7 | 1044.5 | 1041.3 | 1038.1 | 1035.0 | 1036.2 |
| 25° | 1019.6 | 1018.2 | 1016.6 | 1015.2 | 1013.7 | 1011.5 | 1008.5 | 1005.6 | 1002.6 | 999.7 | 999.9 |
| 27.5° | 978.7 | 977.1 | 975.6 | 974.1 | 972.6 | 970.4 | 967.7 | 965.0 | 962.2 | 959.5 | 958.9 |
| 30° | 951.4 | 949.7 | 948.0 | 946.3 | 944.6 | 942.4 | 939.6 | 936.9 | 934.2 | 931.4 | 930.6 |
| 32.5° | 922.5 | 921.0 | 919.4 | 917.9 | 916.4 | 914.2 | 911.3 | 908.4 | 905.5 | 902.6 | 901.6 |
| 35° | 877.4 | 875.8 | 874.4 | 872.9 | 871.5 | 869.2 | 866.3 | 863.4 | 860.4 | 857.5 | 856.0 |
| 37.5° | 829.7 | 828.4 | 827.1 | 825.7 | 824.3 | 822.1 | 818.9 | 815.7 | 812.6 | 809.4 | 807.8 |
| 40° | 798.6 | 796.9 | 795.2 | 793.5 | 791.8 | 789.4 | 786.3 | 783.1 | 780.0 | 776.8 | 774.7 |
| 42.5° | 765.3 | 764.2 | 763.2 | 762.2 | 761.2 | 758.9 | 755.5 | 752.0 | 748.4 | 744.9 | 742.5 |
| 45° | 716.1 | 714.6 | 713.2 | 711.7 | 710.2 | 707.8 | 704.5 | 701.1 | 697.7 | 694.3 | 692.0 |
| 47.5° | 664.7 | 663.7 | 662.7 | 661.6 | 660.7 | 658.6 | 655.5 | 652.4 | 649.3 | 646.1 | 643.5 |
| 50° | 629.8 | 628.9 | 628.1 | 627.2 | 626.4 | 624.6 | 621.6 | 618.7 | 615.6 | 612.7 | 609.8 |
| 52.5° | 595.7 | 594.7 | 593.6 | 592.6 | 591.6 | 589.5 | 586.4 | 583.3 | 580.1 | 577.0 | 574.4 |
| 55° | 541.6 | 540.9 | 540.3 | 539.7 | 539.0 | 537.3 | 534.3 | 531.4 | 528.4 | 525.5 | 522.9 |
| 57.5° | 490.0 | 489.3 | 488.6 | 487.9 | 487.1 | 485.3 | 482.4 | 479.5 | 476.6 | 473.7 | 471.3 |
| 60° | 454.3 | 453.3 | 452.2 | 451.2 | 450.1 | 448.2 | 445.5 | 442.7 | 440.0 | 437.3 | 435.3 |
| 62.5° | 419.5 | 418.6 | 417.7 | 416.8 | 415.9 | 414.0 | 411.1 | 408.1 | 405.3 | 402.3 | 400.6 |
| 65° | 367.0 | 366.0 | 365.0 | 363.9 | 362.8 | 361.2 | 359.2 | 357.0 | 354.9 | 352.8 | 350.7 |
| 67.5° | 314.3 | 313.3 | 312.4 | 311.4 | 310.5 | 309.0 | 306.9 | 304.9 | 302.9 | 300.9 | 298.8 |
| 70° | 281.7 | 280.3 | 278.7 | 277.2 | 275.8 | 274.2 | 272.5 | 270.8 | 269.1 | 267.5 | 265.8 |
| 72.5° | 246.8 | 245.3 | 243.9 | 242.4 | 240.9 | 239.5 | 238.2 | 236.7 | 235.4 | 234.1 | 232.7 |
| 75° | 195.4 | 194.3 | 193.3 | 192.3 | 191.2 | 190.1 | 189.0 | 188.0 | 187.0 | 185.9 | 185.0 |
| 77.5° | 146.2 | 145.8 | 145.3 | 144.9 | 144.4 | 143.7 | 142.8 | 141.9 | 140.9 | 140.0 | 139.7 |
| 80° | 116.6 | 116.0 | 115.4 | 114.8 | 114.1 | 113.6 | 113.2 | 112.8 | 112.4 | 111.9 | 111.5 |
| 82.5° | 87.8 | 87.6 | 87.2 | 86.9 | 86.7 | 86.5 | 86.4 | 86.3 | 86.2 | 86.1 | 85.9 |
| 85° | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.0 | 50.6 | 50.2 | 49.8 | 49.3 | 49.3 |
| 87.5° | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 | 21.6 | 21.7 | 21.8 | 21.9 | 22.1 | 22.4 |
| 90° | 2.7 | 4.8 | 7.0 | 9.2 | 11.4 | 13.3 | 14.8 | 16.4 | 18.0 | 19.6 | 20.8 |
| 92.5° | 11.2 | 11.3 | 11.4 | 11.6 | 11.7 | 12.6 | 14.1 | 15.7 | 17.3 | 18.9 | 20.1 |
| 95° | 49.0 | 42.3 | 35.5 | 28.8 | 22.0 | 18.8 | 19.0 | 19.2 | 19.4 | 19.6 | 20.8 |
| 97.5° | 104.0 | 108.2 | 112.4 | 116.5 | 120.7 | 111.8 | 89.7 | 67.7 | 45.6 | 23.5 | 23.6 |
| 100° | 146.0 | 149.5 | 153.1 | 156.7 | 160.2 | 148.4 | 121.1 | 93.8 | 66.4 | 39.1 | 35.8 |
| 102.5° | 193.0 | 195.6 | 198.2 | 200.8 | 203.4 | 203.0 | 199.4 | 195.8 | 192.3 | 188.7 | 152.4 |
| 105° | 268.0 | 269.1 | 270.3 | 271.5 | 272.7 | 273.8 | 274.7 | 275.7 | 276.8 | 277.8 | 279.6 |
| 107.5° | 337.5 | 338.1 | 338.8 | 339.3 | 339.9 | 340.9 | 342.2 | 343.6 | 344.9 | 346.3 | 347.1 |
| 110° | 384.6 | 385.1 | 385.8 | 386.3 | 386.9 | 387.8 | 389.0 | 390.2 | 391.4 | 392.5 | 393.0 |



TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 430.2 | 431.2 | 432.3 | 433.4 | 434.4 | 435.2 | 435.8 | 436.3 | 436.8 | 437.4 | 437.4 |
| 115° | 500.2 | 500.9 | 501.5 | 502.0 | 502.7 | 502.8 | 502.7 | 502.5 | 502.2 | 502.0 | 502.5 |
| 117.5° | 563.5 | 564.3 | 565.1 | 565.9 | 566.7 | 567.2 | 567.7 | 568.1 | 568.6 | 569.0 | 568.9 |
| 120° | 606.2 | 607.0 | 607.8 | 608.6 | 609.4 | 609.7 | 609.5 | 609.3 | 609.0 | 608.9 | 609.3 |
| 122.5° | 646.0 | 646.6 | 647.0 | 647.5 | 648.0 | 648.4 | 648.6 | 648.9 | 649.2 | 649.4 | 649.7 |
| 125° | 703.2 | 704.0 | 704.8 | 705.6 | 706.4 | 706.6 | 706.2 | 705.8 | 705.4 | 705.0 | 705.6 |
| 127.5° | 757.3 | 757.5 | 757.8 | 758.0 | 758.1 | 758.7 | 759.6 | 760.5 | 761.4 | 762.3 | 762.2 |
| 130° | 792.3 | 792.5 | 792.6 | 792.8 | 793.0 | 793.4 | 794.1 | 794.6 | 795.2 | 795.9 | 796.0 |
| 132.5° | 824.3 | 824.7 | 825.0 | 825.4 | 825.7 | 826.3 | 827.1 | 827.8 | 828.5 | 829.3 | 829.5 |
| 135° | 872.4 | 872.2 | 872.0 | 871.7 | 871.6 | 871.8 | 872.6 | 873.4 | 874.2 | 875.0 | 875.4 |
| 137.5° | 914.9 | 915.0 | 915.1 | 915.2 | 915.3 | 915.7 | 916.6 | 917.5 | 918.3 | 919.2 | 919.6 |
| 140° | 942.7 | 943.1 | 943.5 | 943.9 | 944.2 | 944.7 | 945.0 | 945.5 | 945.8 | 946.3 | 946.8 |
| 142.5° | 967.6 | 968.3 | 969.0 | 969.7 | 970.4 | 970.9 | 971.2 | 971.4 | 971.6 | 971.9 | 972.3 |
| 145° | 1005.8 | 1006.5 | 1007.1 | 1007.6 | 1008.3 | 1008.5 | 1008.5 | 1008.5 | 1008.5 | 1008.5 | 1008.8 |
| 147.5° | 1036.3 | 1037.4 | 1038.6 | 1039.6 | 1040.8 | 1041.3 | 1041.0 | 1040.8 | 1040.6 | 1040.4 | 1040.6 |
| 150° | 1058.4 | 1059.2 | 1060.0 | 1060.8 | 1061.6 | 1061.8 | 1061.7 | 1061.5 | 1061.3 | 1061.0 | 1061.0 |
| 152.5° | 1076.9 | 1077.5 | 1078.2 | 1078.8 | 1079.4 | 1079.6 | 1079.2 | 1078.9 | 1078.5 | 1078.2 | 1078.5 |
| 155° | 1103.0 | 1103.1 | 1103.3 | 1103.5 | 1103.7 | 1103.5 | 1103.0 | 1102.3 | 1101.7 | 1101.2 | 1101.9 |
| 157.5° | 1124.8 | 1124.7 | 1124.5 | 1124.4 | 1124.4 | 1123.9 | 1123.3 | 1122.6 | 1122.0 | 1121.2 | 1122.3 |
| 160° | 1137.6 | 1137.0 | 1136.5 | 1135.9 | 1135.2 | 1134.9 | 1134.7 | 1134.4 | 1134.3 | 1134.1 | 1135.2 |
| 162.5° | 1149.1 | 1148.3 | 1147.5 | 1146.7 | 1146.0 | 1145.6 | 1145.3 | 1145.1 | 1145.0 | 1144.8 | 1145.9 |
| 165° | 1163.4 | 1162.4 | 1161.5 | 1160.5 | 1159.5 | 1159.0 | 1159.0 | 1159.0 | 1159.0 | 1159.0 | 1160.6 |
| 167.5° | 1174.8 | 1173.8 | 1172.8 | 1171.8 | 1170.7 | 1170.2 | 1170.0 | 1169.9 | 1169.8 | 1169.7 | 1171.4 |
| 170° | 1181.2 | 1180.1 | 1178.8 | 1177.7 | 1176.5 | 1176.0 | 1176.2 | 1176.4 | 1176.6 | 1176.8 | 1178.4 |
| 172.5° | 1185.5 | 1184.4 | 1183.1 | 1182.0 | 1180.8 | 1180.3 | 1180.4 | 1180.7 | 1180.9 | 1181.1 | 1182.7 |
| 175° | 1190.2 | 1189.0 | 1187.8 | 1186.6 | 1185.4 | 1184.9 | 1185.1 | 1185.4 | 1185.5 | 1185.7 | 1187.5 |
| 177.5° | 1192.3 | 1191.1 | 1190.1 | 1189.0 | 1187.8 | 1187.5 | 1187.8 | 1188.1 | 1188.4 | 1188.7 | 1190.0 |
| 180° | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 |



TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 |
| 2.5° | 1179.5 | 1181.2 | 1182.9 | 1183.7 | 1183.5 | 1183.3 | 1183.1 | 1182.9 |
| 5° | 1173.1 | 1175.5 | 1177.8 | 1178.8 | 1178.3 | 1177.9 | 1177.5 | 1177.1 |
| 7.5° | 1160.1 | 1162.0 | 1163.8 | 1164.6 | 1164.4 | 1164.1 | 1163.9 | 1163.6 |
| 10° | 1149.1 | 1150.8 | 1152.5 | 1153.2 | 1152.7 | 1152.3 | 1151.9 | 1151.5 |
| 12.5° | 1135.9 | 1137.6 | 1139.5 | 1140.1 | 1139.6 | 1139.0 | 1138.4 | 1137.8 |
| 15° | 1110.4 | 1111.6 | 1112.9 | 1113.2 | 1112.6 | 1112.0 | 1111.3 | 1110.7 |
| 17.5° | 1081.4 | 1082.2 | 1083.0 | 1083.2 | 1082.7 | 1082.3 | 1081.9 | 1081.5 |
| 20° | 1059.8 | 1060.4 | 1061.0 | 1061.1 | 1060.7 | 1060.3 | 1059.9 | 1059.4 |
| 22.5° | 1037.2 | 1038.4 | 1039.6 | 1039.7 | 1038.9 | 1038.2 | 1037.4 | 1036.7 |
| 25° | 1000.1 | 1000.3 | 1000.6 | 1000.2 | 999.4 | 998.5 | 997.7 | 996.8 |
| 27.5° | 958.5 | 958.0 | 957.4 | 956.7 | 955.6 | 954.6 | 953.5 | 952.4 |
| 30° | 929.7 | 928.9 | 928.0 | 927.1 | 926.0 | 925.0 | 923.9 | 922.9 |
| 32.5° | 900.5 | 899.6 | 898.6 | 897.5 | 896.4 | 895.4 | 894.3 | 893.3 |
| 35° | 854.5 | 853.0 | 851.5 | 850.2 | 849.2 | 848.2 | 847.1 | 846.1 |
| 37.5° | 806.2 | 804.6 | 803.1 | 801.6 | 800.1 | 798.8 | 797.4 | 795.9 |
| 40° | 772.6 | 770.5 | 768.4 | 766.8 | 765.7 | 764.7 | 763.7 | 762.6 |
| 42.5° | 740.0 | 737.6 | 735.1 | 733.6 | 732.9 | 732.2 | 731.5 | 730.8 |
| 45° | 689.6 | 687.3 | 685.0 | 683.6 | 682.9 | 682.2 | 681.6 | 681.0 |
| 47.5° | 640.9 | 638.3 | 635.6 | 633.6 | 632.0 | 630.4 | 628.7 | 627.1 |
| 50° | 606.8 | 603.9 | 600.9 | 598.8 | 597.5 | 596.3 | 595.0 | 593.8 |
| 52.5° | 571.9 | 569.2 | 566.6 | 564.5 | 562.9 | 561.3 | 559.7 | 558.1 |
| 55° | 520.4 | 517.9 | 515.3 | 513.4 | 512.2 | 511.0 | 509.6 | 508.4 |
| 57.5° | 468.9 | 466.5 | 464.0 | 462.3 | 461.0 | 459.8 | 458.6 | 457.4 |
| 60° | 433.5 | 431.6 | 429.6 | 428.2 | 427.1 | 426.1 | 425.0 | 424.0 |
| 62.5° | 398.9 | 397.2 | 395.5 | 394.0 | 393.0 | 391.9 | 390.9 | 389.9 |
| 65° | 348.7 | 346.5 | 344.4 | 342.9 | 341.8 | 340.7 | 339.7 | 338.6 |
| 67.5° | 296.9 | 294.8 | 292.7 | 291.6 | 291.3 | 291.1 | 290.7 | 290.4 |
| 70° | 264.1 | 262.4 | 260.7 | 259.6 | 259.0 | 258.3 | 257.7 | 257.1 |
| 72.5° | 231.4 | 230.1 | 228.7 | 227.7 | 227.0 | 226.4 | 225.8 | 225.2 |
| 75° | 184.2 | 183.3 | 182.5 | 182.0 | 181.8 | 181.6 | 181.4 | 181.2 |
| 77.5° | 139.5 | 139.2 | 139.0 | 138.6 | 138.0 | 137.5 | 137.0 | 136.4 |
| 80° | 111.1 | 110.7 | 110.2 | 109.9 | 109.7 | 109.5 | 109.3 | 109.1 |
| 82.5° | 85.6 | 85.3 | 85.1 | 84.9 | 84.7 | 84.4 | 84.3 | 84.0 |
| 85° | 49.3 | 49.3 | 49.3 | 49.2 | 49.0 | 48.8 | 48.6 | 48.3 |
| 87.5° | 22.6 | 22.8 | 23.1 | 23.3 | 23.3 | 23.4 | 23.5 | 23.5 |
| 90° | 21.9 | 23.2 | 24.3 | 25.1 | 25.5 | 25.9 | 26.3 | 26.7 |
| 92.5° | 21.2 | 22.5 | 23.6 | 24.3 | 24.3 | 24.4 | 24.5 | 24.6 |
| 95° | 21.9 | 23.2 | 24.3 | 25.1 | 25.2 | 25.4 | 25.6 | 25.8 |
| 97.5° | 23.7 | 23.9 | 24.0 | 24.2 | 24.3 | 24.5 | 24.7 | 25.0 |
| 100° | 32.5 | 29.1 | 25.7 | 24.2 | 24.3 | 24.5 | 24.7 | 25.0 |
| 102.5° | 116.2 | 79.9 | 43.6 | 25.5 | 25.5 | 25.6 | 25.6 | 25.7 |
| 105° | 281.3 | 283.0 | 284.8 | 282.2 | 275.1 | 268.0 | 260.8 | 253.7 |
| 107.5° | 348.0 | 348.9 | 349.7 | 350.5 | 351.3 | 352.0 | 352.8 | 353.6 |
| 110° | 393.3 | 393.8 | 394.1 | 394.7 | 395.2 | 395.8 | 396.5 | 397.0 |



TEST NUMBER: P332613-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 437.3 | 437.2 | 437.1 | 437.5 | 438.2 | 439.0 | 439.7 | 440.4 |
| 115° | 502.8 | 503.3 | 503.6 | 503.8 | 503.8 | 503.8 | 503.8 | 503.8 |
| 117.5° | 568.8 | 568.7 | 568.6 | 568.6 | 568.6 | 568.5 | 568.4 | 568.3 |
| 120° | 609.7 | 610.0 | 610.5 | 610.5 | 610.0 | 609.7 | 609.3 | 608.9 |
| 122.5° | 650.0 | 650.1 | 650.4 | 650.3 | 650.0 | 649.5 | 649.2 | 648.7 |
| 125° | 706.2 | 706.8 | 707.4 | 707.8 | 708.0 | 708.2 | 708.4 | 708.6 |
| 127.5° | 762.1 | 762.0 | 761.9 | 761.7 | 761.6 | 761.4 | 761.3 | 761.1 |
| 130° | 796.2 | 796.4 | 796.6 | 796.7 | 796.7 | 796.7 | 796.7 | 796.7 |
| 132.5° | 829.6 | 829.9 | 830.1 | 830.1 | 829.9 | 829.7 | 829.6 | 829.5 |
| 135° | 875.8 | 876.2 | 876.6 | 877.0 | 877.4 | 877.8 | 878.2 | 878.6 |
| 137.5° | 920.1 | 920.5 | 921.0 | 921.0 | 921.0 | 920.9 | 920.7 | 920.6 |
| 140° | 947.4 | 948.1 | 948.6 | 949.0 | 949.2 | 949.4 | 949.6 | 949.9 |
| 142.5° | 972.8 | 973.2 | 973.7 | 973.8 | 973.9 | 973.9 | 974.0 | 974.0 |
| 145° | 1009.0 | 1009.1 | 1009.3 | 1009.7 | 1010.0 | 1010.4 | 1010.8 | 1011.2 |
| 147.5° | 1040.7 | 1040.9 | 1041.1 | 1041.3 | 1041.4 | 1041.6 | 1041.9 | 1042.1 |
| 150° | 1061.0 | 1061.0 | 1061.0 | 1061.1 | 1061.4 | 1061.6 | 1061.8 | 1061.9 |
| 152.5° | 1078.8 | 1079.1 | 1079.4 | 1079.5 | 1079.4 | 1079.3 | 1079.1 | 1079.1 |
| 155° | 1102.7 | 1103.5 | 1104.3 | 1104.4 | 1103.8 | 1103.2 | 1102.6 | 1102.1 |
| 157.5° | 1123.3 | 1124.4 | 1125.3 | 1125.3 | 1124.4 | 1123.3 | 1122.3 | 1121.2 |
| 160° | 1136.5 | 1137.6 | 1138.8 | 1138.8 | 1137.6 | 1136.5 | 1135.2 | 1134.1 |
| 162.5° | 1147.1 | 1148.3 | 1149.5 | 1149.4 | 1148.1 | 1146.7 | 1145.4 | 1144.1 |
| 165° | 1162.2 | 1163.8 | 1165.3 | 1165.2 | 1163.4 | 1161.6 | 1159.8 | 1158.1 |
| 167.5° | 1173.1 | 1174.9 | 1176.6 | 1176.5 | 1174.6 | 1172.6 | 1170.5 | 1168.6 |
| 170° | 1180.0 | 1181.5 | 1183.1 | 1182.9 | 1181.0 | 1179.0 | 1177.0 | 1175.0 |
| 172.5° | 1184.3 | 1185.8 | 1187.4 | 1187.1 | 1185.0 | 1182.9 | 1180.7 | 1178.6 |
| 175° | 1189.3 | 1191.1 | 1192.8 | 1192.5 | 1190.2 | 1187.8 | 1185.4 | 1183.0 |
| 177.5° | 1191.2 | 1192.5 | 1193.8 | 1193.5 | 1191.6 | 1189.7 | 1187.8 | 1185.9 |
| 180° | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 | 1190.2 |

(END OF REPORT)