

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: P331971

Luminaire Tested: **S123DIP-S775D585U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331971
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-S775D585U835-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5182.6 lumens
Efficiency: N/A
Efficacy: 128.6 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: Semi-Direct

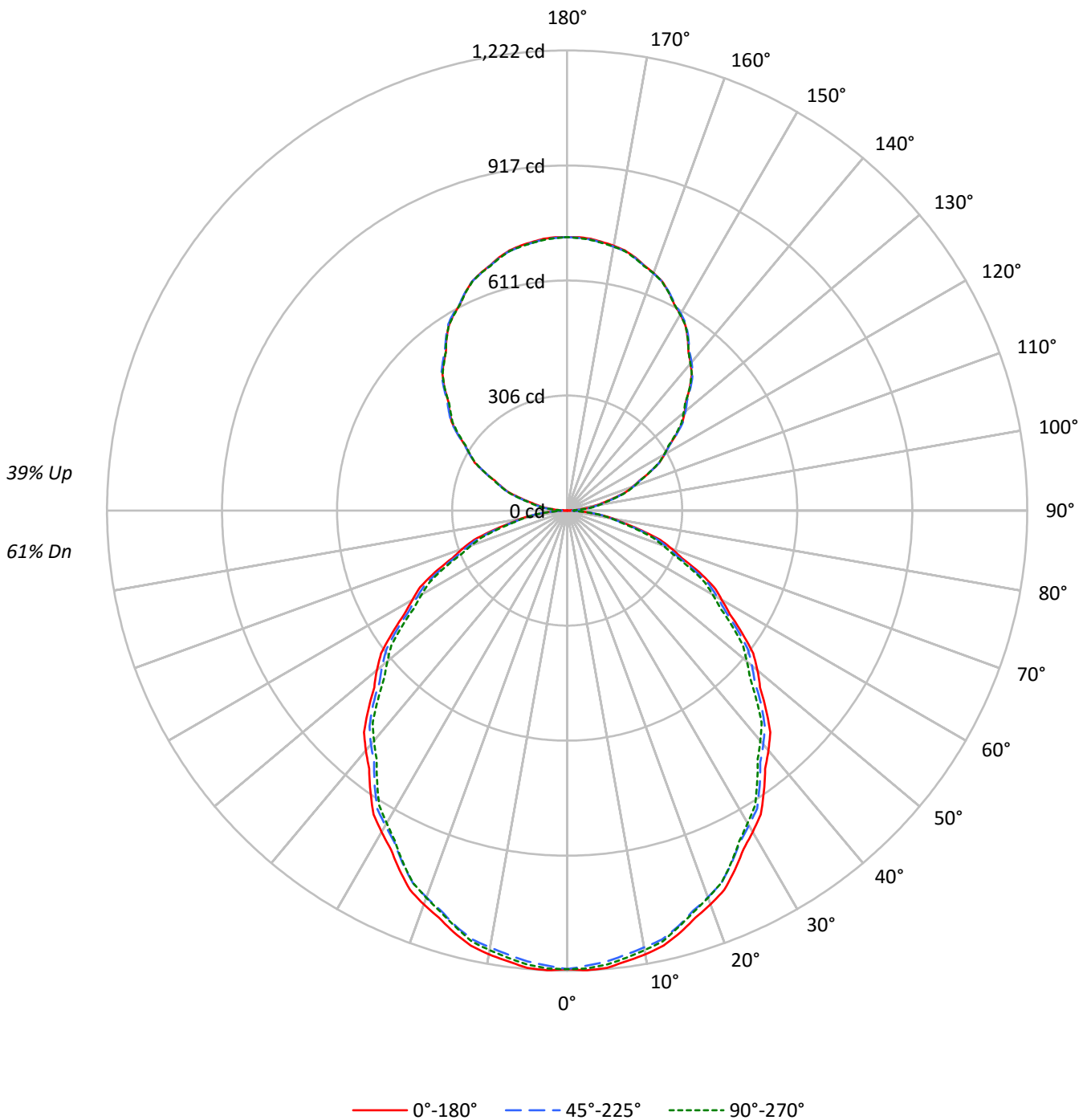
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 77 | 77 | 77 | 66 | 66 | 66 | 61 |
| 1 | 100 | 96 | 92 | 88 | 94 | 90 | 86 | 83 | 78 | 76 | 73 | 68 | 66 | 64 | 59 | 57 | 56 | 51 |
| 2 | 91 | 84 | 77 | 72 | 85 | 78 | 73 | 68 | 69 | 64 | 61 | 60 | 57 | 54 | 52 | 49 | 47 | 43 |
| 3 | 83 | 73 | 66 | 60 | 78 | 69 | 62 | 57 | 61 | 55 | 51 | 53 | 49 | 45 | 46 | 43 | 40 | 36 |
| 4 | 76 | 65 | 57 | 51 | 71 | 61 | 54 | 48 | 54 | 48 | 44 | 47 | 43 | 39 | 41 | 37 | 34 | 31 |
| 5 | 70 | 58 | 50 | 44 | 65 | 55 | 47 | 42 | 48 | 42 | 38 | 42 | 38 | 34 | 37 | 33 | 30 | 27 |
| 6 | 64 | 52 | 44 | 38 | 60 | 49 | 42 | 36 | 44 | 37 | 33 | 38 | 33 | 30 | 33 | 29 | 26 | 24 |
| 7 | 60 | 47 | 39 | 33 | 56 | 44 | 37 | 32 | 39 | 33 | 29 | 35 | 30 | 26 | 30 | 27 | 24 | 21 |
| 8 | 55 | 43 | 35 | 29 | 52 | 41 | 33 | 28 | 36 | 30 | 26 | 32 | 27 | 23 | 28 | 24 | 21 | 19 |
| 9 | 52 | 39 | 32 | 26 | 48 | 37 | 30 | 25 | 33 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 19 | 17 |
| 10 | 48 | 36 | 29 | 24 | 45 | 34 | 27 | 23 | 31 | 25 | 21 | 27 | 22 | 19 | 24 | 20 | 17 | 15 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13108 | 13108 | 13108 |
| 5° | 13169 | 12988 | 13078 |
| 10° | 13081 | 12875 | 12955 |
| 15° | 12929 | 12730 | 12754 |
| 20° | 12749 | 12521 | 12534 |
| 25° | 12511 | 12275 | 12250 |
| 30° | 12246 | 11999 | 11908 |
| 35° | 11971 | 11709 | 11557 |
| 40° | 11682 | 11387 | 11212 |
| 45° | 11365 | 11094 | 10823 |
| 50° | 11047 | 10731 | 10433 |
| 55° | 10631 | 10355 | 10042 |
| 60° | 10211 | 9918 | 9604 |
| 65° | 9841 | 9442 | 9146 |
| 70° | 9294 | 8897 | 8500 |
| 75° | 8492 | 8189 | 7839 |
| 80° | 7662 | 7333 | 7271 |
| 85° | 6719 | 6472 | 6212 |



TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 114.7 | 2.2 |
| 10°-20° | 323.9 | 6.2 |
| 20°-30° | 478.4 | 9.2 |
| 30°-40° | 558.9 | 10.8 |
| 40°-50° | 561.9 | 10.8 |
| 50°-60° | 493.6 | 9.5 |
| 60°-70° | 367.7 | 7.1 |
| 70°-80° | 209.5 | 4.0 |
| 80°-90° | 62.3 | 1.2 |
| 90°-100° | 47.3 | 0.9 |
| 100°-110° | 141.6 | 2.7 |
| 110°-120° | 240.8 | 4.6 |
| 120°-130° | 316.7 | 6.1 |
| 130°-140° | 356.0 | 6.9 |
| 140°-150° | 349.9 | 6.8 |
| 150°-160° | 294.6 | 5.7 |
| 160°-170° | 196.1 | 3.8 |
| 170°-180° | 68.7 | 1.3 |
| 0°-30° | 917.1 | 17.7 |
| 0°-40° | 1475.9 | 28.5 |
| 0°-60° | 2531.4 | 48.8 |
| 0°-90° | 3170.9 | 61.2 |
| 90°-120° | 429.7 | 8.3 |
| 90°-150° | 1452.4 | 28.0 |
| 90°-180° | 2012.0 | 38.8 |
| 0°-180° | 5182.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1218 | 1218 | 1218 | 1218 | 1218 | |
| 5° | 1219 | 1213 | 1202 | 1212 | 1210 | 115 |
| 15° | 1160 | 1155 | 1142 | 1150 | 1144 | 327 |
| 25° | 1053 | 1047 | 1034 | 1034 | 1031 | 485 |
| 35° | 911 | 904 | 891 | 885 | 880 | 570 |
| 45° | 747 | 742 | 729 | 717 | 711 | 576 |
| 55° | 566 | 565 | 552 | 541 | 535 | 507 |
| 65° | 386 | 381 | 371 | 363 | 359 | 381 |
| 75° | 204 | 200 | 197 | 192 | 188 | 218 |
| 85° | 54 | 52 | 52 | 50 | 50 | 60 |
| 90° | 1 | 6 | 14 | 16 | 17 | 5 |
| 95° | 34 | 38 | 42 | 44 | 44 | 38 |
| 105° | 128 | 130 | 135 | 135 | 136 | 137 |
| 115° | 242 | 244 | 243 | 244 | 243 | 240 |
| 125° | 355 | 356 | 355 | 353 | 351 | 316 |
| 135° | 460 | 464 | 463 | 461 | 460 | 355 |
| 145° | 558 | 560 | 561 | 561 | 558 | 349 |
| 155° | 639 | 639 | 640 | 642 | 638 | 294 |
| 165° | 696 | 695 | 695 | 698 | 694 | 196 |
| 175° | 724 | 722 | 722 | 725 | 722 | 69 |
| 180° | 726 | 726 | 726 | 726 | 726 | |



TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 |
| 2.5° | 1221.9 | 1221.2 | 1220.5 | 1219.7 | 1219.0 | 1217.6 | 1215.5 | 1213.5 | 1211.4 | 1209.4 | 1211.2 |
| 5° | 1218.8 | 1217.6 | 1216.5 | 1215.3 | 1214.1 | 1212.3 | 1209.7 | 1207.2 | 1204.6 | 1202.0 | 1204.4 |
| 7.5° | 1206.9 | 1205.7 | 1204.5 | 1203.4 | 1202.2 | 1200.3 | 1197.6 | 1195.0 | 1192.3 | 1189.7 | 1191.8 |
| 10° | 1196.8 | 1195.6 | 1194.5 | 1193.3 | 1192.2 | 1190.1 | 1187.0 | 1184.0 | 1181.0 | 1178.0 | 1180.1 |
| 12.5° | 1183.4 | 1182.4 | 1181.5 | 1180.5 | 1179.5 | 1177.6 | 1174.8 | 1171.9 | 1169.1 | 1166.2 | 1167.8 |
| 15° | 1160.2 | 1159.2 | 1158.3 | 1157.4 | 1156.4 | 1154.5 | 1151.4 | 1148.4 | 1145.4 | 1142.4 | 1144.2 |
| 17.5° | 1133.1 | 1131.9 | 1130.7 | 1129.5 | 1128.3 | 1126.2 | 1123.2 | 1120.1 | 1117.1 | 1114.1 | 1115.4 |
| 20° | 1113.0 | 1111.6 | 1110.3 | 1108.9 | 1107.5 | 1105.2 | 1102.2 | 1099.2 | 1096.2 | 1093.1 | 1094.1 |
| 22.5° | 1090.4 | 1089.0 | 1087.6 | 1086.2 | 1084.8 | 1082.6 | 1079.6 | 1076.6 | 1073.6 | 1070.5 | 1071.3 |
| 25° | 1053.4 | 1052.0 | 1050.6 | 1049.2 | 1047.8 | 1045.6 | 1042.5 | 1039.5 | 1036.5 | 1033.5 | 1033.7 |
| 27.5° | 1013.8 | 1012.4 | 1011.1 | 1009.7 | 1008.4 | 1006.1 | 1002.8 | 999.6 | 996.3 | 993.0 | 993.2 |
| 30° | 985.3 | 984.1 | 983.0 | 981.8 | 980.6 | 978.4 | 975.2 | 971.9 | 968.7 | 965.4 | 965.4 |
| 32.5° | 956.8 | 955.3 | 953.7 | 952.2 | 950.7 | 948.7 | 946.1 | 943.6 | 941.1 | 938.6 | 937.3 |
| 35° | 911.0 | 909.6 | 908.2 | 906.8 | 905.4 | 903.2 | 900.1 | 897.1 | 894.1 | 891.1 | 889.7 |
| 37.5° | 864.0 | 862.3 | 860.5 | 858.7 | 857.0 | 854.6 | 851.5 | 848.4 | 845.3 | 842.3 | 840.6 |
| 40° | 831.4 | 830.0 | 828.6 | 827.2 | 825.8 | 823.5 | 820.2 | 817.0 | 813.7 | 810.4 | 808.6 |
| 42.5° | 798.7 | 797.1 | 795.5 | 794.0 | 792.4 | 790.0 | 786.7 | 783.4 | 780.2 | 776.9 | 775.1 |
| 45° | 746.6 | 745.6 | 744.7 | 743.8 | 742.8 | 740.9 | 737.8 | 734.8 | 731.8 | 728.8 | 726.0 |
| 47.5° | 694.8 | 693.5 | 692.1 | 690.8 | 689.4 | 687.3 | 684.5 | 681.7 | 678.8 | 676.0 | 673.2 |
| 50° | 659.7 | 658.5 | 657.3 | 656.2 | 655.0 | 652.9 | 649.9 | 646.9 | 643.8 | 640.8 | 638.3 |
| 52.5° | 622.8 | 622.0 | 621.2 | 620.4 | 619.6 | 617.6 | 614.4 | 611.2 | 608.0 | 604.8 | 602.6 |
| 55° | 566.5 | 566.2 | 566.0 | 565.8 | 565.5 | 563.9 | 560.9 | 557.9 | 554.8 | 551.8 | 549.3 |
| 57.5° | 512.9 | 512.1 | 511.3 | 510.5 | 509.7 | 508.1 | 505.7 | 503.2 | 500.8 | 498.4 | 496.1 |
| 60° | 474.3 | 474.1 | 473.9 | 473.6 | 473.4 | 471.9 | 469.1 | 466.3 | 463.5 | 460.7 | 458.6 |
| 62.5° | 440.0 | 439.4 | 438.8 | 438.2 | 437.6 | 435.9 | 433.1 | 430.3 | 427.5 | 424.7 | 422.6 |
| 65° | 386.4 | 385.2 | 384.0 | 382.9 | 381.7 | 380.0 | 377.6 | 375.3 | 373.0 | 370.7 | 368.8 |
| 67.5° | 329.6 | 328.6 | 327.6 | 326.5 | 325.5 | 324.1 | 322.4 | 320.6 | 318.8 | 317.1 | 315.4 |
| 70° | 295.3 | 293.9 | 292.5 | 291.1 | 289.7 | 288.3 | 286.9 | 285.5 | 284.1 | 282.7 | 281.1 |
| 72.5° | 259.3 | 258.2 | 257.2 | 256.2 | 255.2 | 253.9 | 252.3 | 250.7 | 249.1 | 247.5 | 246.1 |
| 75° | 204.2 | 203.2 | 202.3 | 201.4 | 200.5 | 199.6 | 198.9 | 198.2 | 197.5 | 196.9 | 195.7 |
| 77.5° | 155.4 | 154.9 | 154.4 | 153.9 | 153.3 | 152.7 | 151.8 | 151.0 | 150.2 | 149.3 | 148.5 |
| 80° | 123.6 | 122.9 | 122.2 | 121.5 | 120.8 | 120.2 | 119.7 | 119.3 | 118.8 | 118.3 | 118.1 |
| 82.5° | 92.6 | 92.4 | 92.3 | 92.1 | 92.0 | 91.9 | 91.8 | 91.7 | 91.6 | 91.5 | 91.1 |
| 85° | 54.4 | 54.0 | 53.5 | 53.1 | 52.6 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 51.9 |
| 87.5° | 21.9 | 21.6 | 21.3 | 21.0 | 20.7 | 20.6 | 20.7 | 20.9 | 21.0 | 21.2 | 21.1 |
| 90° | 0.6 | 1.8 | 3.1 | 4.4 | 5.6 | 7.1 | 8.7 | 10.4 | 12.0 | 13.7 | 14.2 |
| 92.5° | 13.8 | 14.7 | 15.5 | 16.4 | 17.3 | 18.2 | 19.1 | 20.0 | 21.0 | 21.9 | 22.3 |
| 95° | 33.7 | 34.5 | 35.4 | 36.3 | 37.2 | 38.2 | 39.2 | 40.2 | 41.2 | 42.2 | 42.7 |
| 97.5° | 59.8 | 60.4 | 61.1 | 61.8 | 62.4 | 63.1 | 63.8 | 64.6 | 65.3 | 66.1 | 66.6 |
| 100° | 77.6 | 78.3 | 79.1 | 79.9 | 80.6 | 81.3 | 81.9 | 82.6 | 83.2 | 83.8 | 84.2 |
| 102.5° | 98.1 | 98.6 | 99.0 | 99.5 | 99.9 | 100.6 | 101.4 | 102.3 | 103.1 | 103.9 | 104.3 |
| 105° | 128.3 | 128.6 | 128.8 | 129.1 | 129.4 | 130.0 | 131.2 | 132.3 | 133.5 | 134.6 | 134.6 |
| 107.5° | 163.5 | 163.6 | 163.8 | 163.9 | 164.1 | 164.4 | 164.8 | 165.3 | 165.8 | 166.2 | 166.6 |
| 110° | 185.4 | 185.6 | 185.9 | 186.1 | 186.4 | 186.6 | 186.9 | 187.2 | 187.4 | 187.7 | 188.2 |



TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 208.2 | 208.3 | 208.5 | 208.6 | 208.8 | 208.9 | 209.0 | 209.0 | 209.1 | 209.1 | 209.7 |
| 115° | 242.4 | 242.8 | 243.2 | 243.6 | 243.9 | 244.0 | 243.7 | 243.5 | 243.2 | 243.0 | 243.1 |
| 117.5° | 276.9 | 277.1 | 277.4 | 277.6 | 277.9 | 277.8 | 277.5 | 277.2 | 276.9 | 276.5 | 276.5 |
| 120° | 298.3 | 299.1 | 299.8 | 300.6 | 301.4 | 301.4 | 300.8 | 300.2 | 299.5 | 298.9 | 298.8 |
| 122.5° | 320.7 | 321.2 | 321.8 | 322.3 | 322.9 | 323.0 | 322.7 | 322.4 | 322.0 | 321.7 | 321.4 |
| 125° | 354.8 | 355.2 | 355.5 | 355.9 | 356.3 | 356.4 | 356.1 | 355.9 | 355.6 | 355.4 | 354.8 |
| 127.5° | 386.3 | 387.1 | 387.9 | 388.7 | 389.5 | 389.8 | 389.5 | 389.2 | 388.9 | 388.7 | 388.0 |
| 130° | 407.3 | 408.3 | 409.3 | 410.3 | 411.3 | 411.6 | 411.3 | 410.9 | 410.5 | 410.1 | 409.6 |
| 132.5° | 428.2 | 429.3 | 430.3 | 431.3 | 432.3 | 432.7 | 432.4 | 432.1 | 431.8 | 431.6 | 430.9 |
| 135° | 460.3 | 461.1 | 461.8 | 462.6 | 463.3 | 463.7 | 463.5 | 463.4 | 463.3 | 463.2 | 462.7 |
| 137.5° | 490.0 | 490.6 | 491.2 | 491.9 | 492.5 | 493.0 | 493.3 | 493.6 | 494.0 | 494.3 | 493.8 |
| 140° | 510.5 | 511.1 | 511.8 | 512.4 | 513.0 | 513.4 | 513.5 | 513.7 | 513.8 | 513.9 | 513.8 |
| 142.5° | 529.2 | 529.8 | 530.5 | 531.1 | 531.7 | 532.2 | 532.4 | 532.6 | 532.9 | 533.1 | 533.0 |
| 145° | 558.4 | 558.7 | 558.9 | 559.2 | 559.4 | 559.7 | 560.1 | 560.5 | 560.9 | 561.3 | 561.1 |
| 147.5° | 584.0 | 584.4 | 584.9 | 585.3 | 585.8 | 586.2 | 586.6 | 586.9 | 587.3 | 587.6 | 587.6 |
| 150° | 601.8 | 602.0 | 602.3 | 602.5 | 602.8 | 603.0 | 603.3 | 603.5 | 603.8 | 604.0 | 604.0 |
| 152.5° | 616.4 | 616.7 | 617.1 | 617.4 | 617.8 | 618.0 | 618.2 | 618.3 | 618.5 | 618.6 | 618.8 |
| 155° | 639.4 | 639.4 | 639.4 | 639.4 | 639.4 | 639.5 | 639.6 | 639.7 | 639.9 | 640.0 | 640.5 |
| 157.5° | 659.0 | 658.9 | 658.7 | 658.6 | 658.4 | 658.4 | 658.5 | 658.6 | 658.7 | 658.8 | 659.3 |
| 160° | 671.3 | 671.1 | 670.8 | 670.6 | 670.3 | 670.2 | 670.2 | 670.2 | 670.2 | 670.2 | 670.8 |
| 162.5° | 682.3 | 681.9 | 681.6 | 681.2 | 680.9 | 680.8 | 680.9 | 681.0 | 681.1 | 681.2 | 681.8 |
| 165° | 696.4 | 696.1 | 695.7 | 695.3 | 694.9 | 694.7 | 694.7 | 694.7 | 694.7 | 694.7 | 695.5 |
| 167.5° | 707.7 | 707.2 | 706.7 | 706.2 | 705.7 | 705.5 | 705.6 | 705.7 | 705.8 | 705.9 | 706.7 |
| 170° | 714.1 | 713.6 | 713.1 | 712.6 | 712.1 | 711.8 | 711.8 | 711.8 | 711.8 | 711.8 | 712.7 |
| 172.5° | 719.1 | 718.6 | 718.1 | 717.6 | 717.1 | 716.9 | 716.9 | 716.9 | 716.9 | 716.9 | 717.7 |
| 175° | 724.4 | 723.9 | 723.4 | 722.9 | 722.4 | 722.1 | 722.1 | 722.1 | 722.1 | 722.1 | 722.9 |
| 177.5° | 726.6 | 726.2 | 725.8 | 725.3 | 724.9 | 724.7 | 724.7 | 724.7 | 724.7 | 724.7 | 725.3 |
| 180° | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 |



TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1217.8 |
| 2.5° | 1213.1 | 1215.0 | 1216.8 | 1217.7 | 1217.5 | 1217.3 | 1217.1 | 1216.9 |
| 5° | 1206.7 | 1209.0 | 1211.4 | 1212.3 | 1211.8 | 1211.4 | 1210.9 | 1210.4 |
| 7.5° | 1193.9 | 1196.0 | 1198.1 | 1199.0 | 1198.7 | 1198.4 | 1198.1 | 1197.9 |
| 10° | 1182.2 | 1184.2 | 1186.3 | 1187.2 | 1186.7 | 1186.2 | 1185.8 | 1185.3 |
| 12.5° | 1169.3 | 1170.8 | 1172.4 | 1173.0 | 1172.7 | 1172.4 | 1172.2 | 1171.9 |
| 15° | 1146.1 | 1147.9 | 1149.8 | 1150.0 | 1148.6 | 1147.2 | 1145.9 | 1144.5 |
| 17.5° | 1116.7 | 1118.0 | 1119.3 | 1119.7 | 1119.2 | 1118.7 | 1118.2 | 1117.7 |
| 20° | 1095.0 | 1095.9 | 1096.9 | 1097.0 | 1096.3 | 1095.6 | 1094.9 | 1094.2 |
| 22.5° | 1072.0 | 1072.8 | 1073.5 | 1073.4 | 1072.6 | 1071.7 | 1070.8 | 1069.9 |
| 25° | 1033.9 | 1034.2 | 1034.4 | 1034.2 | 1033.5 | 1032.8 | 1032.1 | 1031.4 |
| 27.5° | 993.4 | 993.6 | 993.8 | 993.4 | 992.6 | 991.7 | 990.8 | 989.9 |
| 30° | 965.4 | 965.4 | 965.4 | 964.6 | 963.0 | 961.3 | 959.7 | 958.1 |
| 32.5° | 936.0 | 934.7 | 933.4 | 932.3 | 931.4 | 930.5 | 929.6 | 928.8 |
| 35° | 888.3 | 886.9 | 885.5 | 884.2 | 883.0 | 881.9 | 880.7 | 879.5 |
| 37.5° | 838.9 | 837.2 | 835.6 | 834.4 | 833.6 | 832.9 | 832.1 | 831.4 |
| 40° | 806.7 | 804.9 | 803.0 | 801.6 | 800.7 | 799.7 | 798.8 | 797.9 |
| 42.5° | 773.2 | 771.3 | 769.5 | 768.1 | 767.2 | 766.2 | 765.3 | 764.4 |
| 45° | 723.2 | 720.4 | 717.6 | 715.6 | 714.5 | 713.3 | 712.1 | 711.0 |
| 47.5° | 670.5 | 667.8 | 665.0 | 663.1 | 662.1 | 661.1 | 660.1 | 659.0 |
| 50° | 635.7 | 633.1 | 630.6 | 628.6 | 627.2 | 625.8 | 624.4 | 623.0 |
| 52.5° | 600.4 | 598.2 | 596.0 | 594.3 | 592.9 | 591.5 | 590.1 | 588.7 |
| 55° | 546.7 | 544.1 | 541.6 | 539.7 | 538.5 | 537.4 | 536.2 | 535.1 |
| 57.5° | 493.8 | 491.6 | 489.3 | 487.5 | 486.1 | 484.8 | 483.4 | 482.1 |
| 60° | 456.5 | 454.4 | 452.3 | 450.7 | 449.5 | 448.4 | 447.2 | 446.1 |
| 62.5° | 420.5 | 418.4 | 416.3 | 414.9 | 414.1 | 413.3 | 412.5 | 411.7 |
| 65° | 366.9 | 365.1 | 363.2 | 361.9 | 361.2 | 360.5 | 359.8 | 359.1 |
| 67.5° | 313.8 | 312.2 | 310.5 | 309.2 | 308.3 | 307.3 | 306.3 | 305.3 |
| 70° | 279.5 | 277.8 | 276.2 | 274.8 | 273.6 | 272.5 | 271.3 | 270.1 |
| 72.5° | 244.6 | 243.2 | 241.8 | 240.7 | 240.1 | 239.5 | 238.9 | 238.3 |
| 75° | 194.5 | 193.4 | 192.2 | 191.3 | 190.6 | 189.9 | 189.2 | 188.5 |
| 77.5° | 147.7 | 146.9 | 146.1 | 145.8 | 145.8 | 145.8 | 145.8 | 145.8 |
| 80° | 117.9 | 117.6 | 117.4 | 117.3 | 117.3 | 117.3 | 117.3 | 117.3 |
| 82.5° | 90.7 | 90.3 | 89.8 | 89.5 | 89.4 | 89.2 | 89.0 | 88.8 |
| 85° | 51.4 | 51.0 | 50.5 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 87.5° | 21.0 | 20.9 | 20.8 | 20.8 | 20.9 | 20.9 | 21.0 | 21.0 |
| 90° | 14.7 | 15.2 | 15.7 | 16.1 | 16.4 | 16.6 | 16.9 | 17.1 |
| 92.5° | 22.7 | 23.1 | 23.5 | 23.7 | 23.5 | 23.3 | 23.2 | 23.0 |
| 95° | 43.2 | 43.7 | 44.2 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 97.5° | 67.2 | 67.8 | 68.4 | 68.6 | 68.6 | 68.5 | 68.5 | 68.4 |
| 100° | 84.6 | 85.0 | 85.4 | 85.7 | 85.9 | 86.2 | 86.4 | 86.7 |
| 102.5° | 104.7 | 105.1 | 105.4 | 105.6 | 105.6 | 105.5 | 105.5 | 105.4 |
| 105° | 134.6 | 134.6 | 134.6 | 134.7 | 135.0 | 135.2 | 135.5 | 135.8 |
| 107.5° | 167.0 | 167.4 | 167.8 | 168.0 | 167.8 | 167.7 | 167.5 | 167.4 |
| 110° | 188.7 | 189.2 | 189.7 | 189.8 | 189.6 | 189.3 | 189.1 | 188.8 |



TEST NUMBER: P331971

CATALOG NUMBER: S123DIP-S775D585U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 210.3 | 210.9 | 211.5 | 211.8 | 211.8 | 211.7 | 211.7 | 211.6 |
| 115° | 243.2 | 243.4 | 243.5 | 243.5 | 243.4 | 243.2 | 243.1 | 243.0 |
| 117.5° | 276.5 | 276.4 | 276.4 | 276.2 | 275.9 | 275.5 | 275.2 | 274.8 |
| 120° | 298.6 | 298.5 | 298.4 | 298.2 | 297.9 | 297.7 | 297.4 | 297.2 |
| 122.5° | 321.0 | 320.7 | 320.4 | 320.0 | 319.7 | 319.3 | 319.0 | 318.6 |
| 125° | 354.3 | 353.8 | 353.3 | 352.8 | 352.3 | 351.8 | 351.3 | 350.8 |
| 127.5° | 387.2 | 386.5 | 385.8 | 385.2 | 384.6 | 384.0 | 383.4 | 382.8 |
| 130° | 409.1 | 408.6 | 408.1 | 407.4 | 406.5 | 405.6 | 404.7 | 403.8 |
| 132.5° | 430.3 | 429.7 | 429.1 | 428.5 | 427.8 | 427.1 | 426.4 | 425.7 |
| 135° | 462.1 | 461.6 | 461.1 | 460.7 | 460.5 | 460.2 | 460.0 | 459.7 |
| 137.5° | 493.2 | 492.7 | 492.2 | 491.7 | 491.2 | 490.7 | 490.2 | 489.7 |
| 140° | 513.7 | 513.5 | 513.4 | 512.9 | 512.0 | 511.1 | 510.2 | 509.4 |
| 142.5° | 532.8 | 532.7 | 532.6 | 532.2 | 531.5 | 530.8 | 530.1 | 529.4 |
| 145° | 561.0 | 560.9 | 560.8 | 560.4 | 559.9 | 559.4 | 558.9 | 558.4 |
| 147.5° | 587.6 | 587.6 | 587.6 | 587.2 | 586.5 | 585.7 | 585.0 | 584.2 |
| 150° | 604.0 | 604.0 | 604.0 | 603.7 | 602.9 | 602.1 | 601.4 | 600.6 |
| 152.5° | 619.1 | 619.3 | 619.5 | 619.2 | 618.6 | 617.9 | 617.3 | 616.6 |
| 155° | 641.0 | 641.5 | 642.0 | 641.8 | 640.9 | 640.0 | 639.2 | 638.3 |
| 157.5° | 659.9 | 660.4 | 660.9 | 660.8 | 660.1 | 659.4 | 658.7 | 658.0 |
| 160° | 671.5 | 672.1 | 672.7 | 672.8 | 672.3 | 671.8 | 671.3 | 670.8 |
| 162.5° | 682.4 | 683.1 | 683.7 | 683.6 | 682.8 | 682.0 | 681.2 | 680.4 |
| 165° | 696.3 | 697.0 | 697.8 | 697.7 | 696.8 | 695.9 | 695.1 | 694.2 |
| 167.5° | 707.5 | 708.3 | 709.1 | 709.1 | 708.3 | 707.5 | 706.7 | 705.9 |
| 170° | 713.6 | 714.5 | 715.4 | 715.4 | 714.5 | 713.6 | 712.7 | 711.8 |
| 172.5° | 718.4 | 719.2 | 720.0 | 720.0 | 719.1 | 718.2 | 717.3 | 716.4 |
| 175° | 723.6 | 724.4 | 725.2 | 725.1 | 724.2 | 723.3 | 722.4 | 721.5 |
| 177.5° | 726.0 | 726.6 | 727.2 | 727.1 | 726.4 | 725.7 | 725.0 | 724.3 |
| 180° | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 | 726.1 |

(END OF REPORT)