

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: P332161

Luminaire Tested: **S123DIW-S775D755U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332161
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: S123DIW-S775D755U835-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

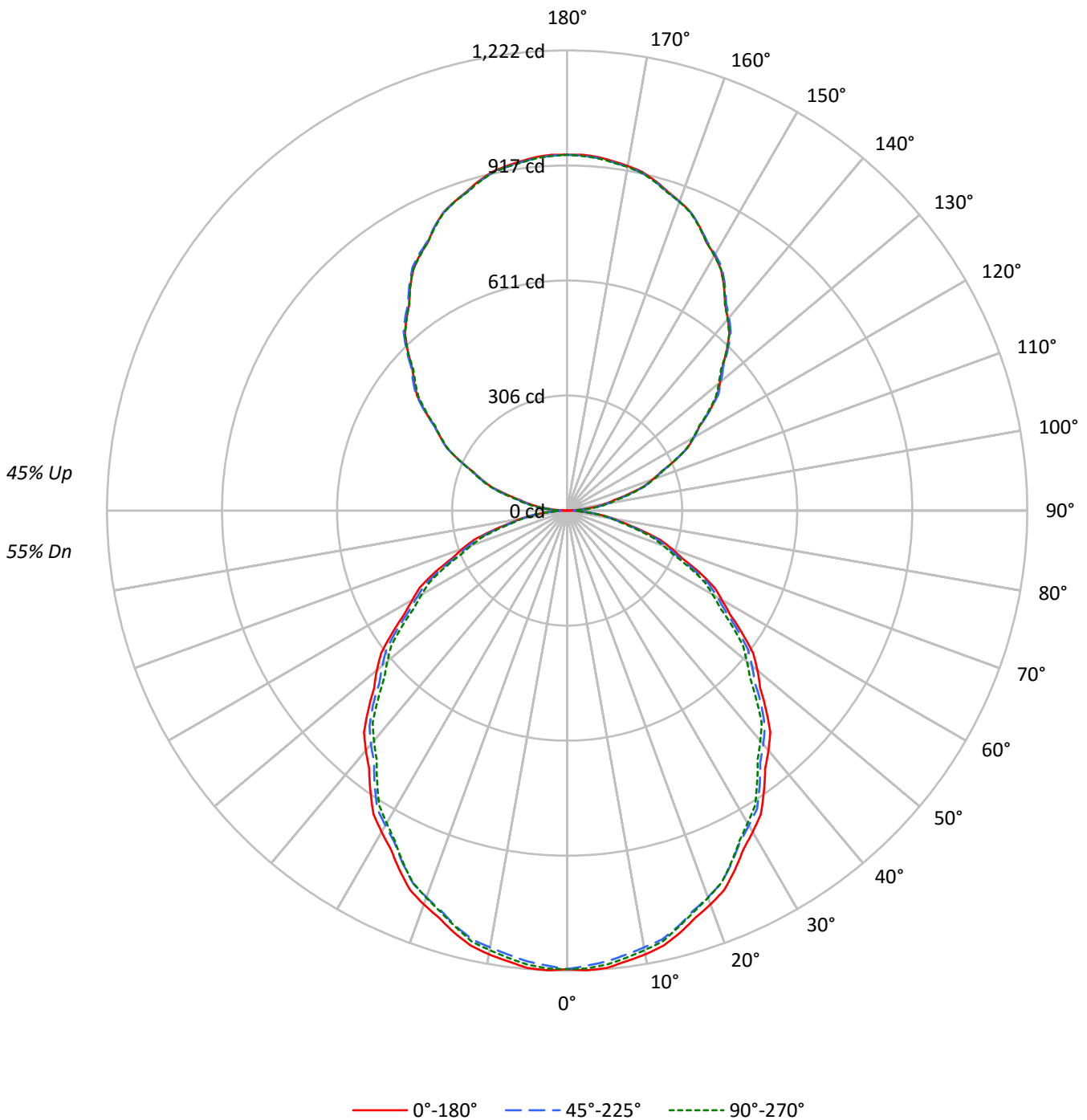
Lumens per Lamp: N/A
Luminaire Lumens: 5789.4 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 45
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: P332161
CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332161

CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 94 | 90 | 87 | 92 | 88 | 84 | 81 | 75 | 73 | 71 | 64 | 62 | 60 | 53 | 52 | 51 | 46 |
| 2 | 90 | 82 | 76 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 56 | 53 | 50 | 47 | 45 | 43 | 38 |
| 3 | 82 | 72 | 65 | 59 | 76 | 67 | 61 | 56 | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 36 | 33 |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 31 | 28 |
| 5 | 69 | 57 | 49 | 43 | 64 | 53 | 46 | 41 | 46 | 40 | 36 | 40 | 35 | 32 | 33 | 30 | 27 | 24 |
| 6 | 63 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 31 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 21 | 19 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 24 | 20 | 17 | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |

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: P332161

CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 114.7 | 2.0 |
| 10°-20° | 323.9 | 5.6 |
| 20°-30° | 478.4 | 8.3 |
| 30°-40° | 558.9 | 9.7 |
| 40°-50° | 561.9 | 9.7 |
| 50°-60° | 493.6 | 8.5 |
| 60°-70° | 367.7 | 6.4 |
| 70°-80° | 209.5 | 3.6 |
| 80°-90° | 62.9 | 1.1 |
| 90°-100° | 61.6 | 1.1 |
| 100°-110° | 184.2 | 3.2 |
| 110°-120° | 313.4 | 5.4 |
| 120°-130° | 412.2 | 7.1 |
| 130°-140° | 463.3 | 8.0 |
| 140°-150° | 455.4 | 7.9 |
| 150°-160° | 383.4 | 6.6 |
| 160°-170° | 255.2 | 4.4 |
| 170°-180° | 89.4 | 1.5 |
| 0°-30° | 917.1 | 15.8 |
| 0°-40° | 1475.9 | 25.5 |
| 0°-60° | 2531.4 | 43.7 |
| 0°-90° | 3171.5 | 54.8 |
| 90°-120° | 559.2 | 9.7 |
| 90°-150° | 1890.0 | 32.6 |
| 90°-180° | 2618.0 | 45.2 |
| 0°-180° | 5789.4 | 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 | 8 | 18 | 21 | 22 | 6 |
| 95° | 44 | 49 | 55 | 58 | 58 | 49 |
| 105° | 167 | 169 | 175 | 175 | 177 | 179 |
| 115° | 316 | 317 | 316 | 317 | 316 | 312 |
| 125° | 462 | 464 | 462 | 459 | 456 | 412 |
| 135° | 599 | 603 | 603 | 600 | 598 | 461 |
| 145° | 727 | 728 | 730 | 730 | 727 | 454 |
| 155° | 832 | 832 | 833 | 835 | 831 | 383 |
| 165° | 906 | 904 | 904 | 908 | 903 | 255 |
| 175° | 943 | 940 | 940 | 944 | 939 | 89 |
| 180° | 945 | 945 | 945 | 945 | 945 | |



TEST NUMBER: P332161

CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-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 | 21.7 | 21.5 | 21.2 | 21.0 | 21.0 | 21.3 | 21.5 | 21.7 | 22.0 | 21.9 |
| 90° | 0.7 | 2.4 | 4.0 | 5.7 | 7.3 | 9.2 | 11.4 | 13.5 | 15.7 | 17.8 | 18.5 |
| 92.5° | 18.0 | 19.1 | 20.2 | 21.3 | 22.4 | 23.6 | 24.8 | 26.1 | 27.3 | 28.5 | 29.0 |
| 95° | 43.8 | 44.9 | 46.1 | 47.3 | 48.4 | 49.6 | 51.0 | 52.3 | 53.6 | 54.9 | 55.6 |
| 97.5° | 77.8 | 78.6 | 79.5 | 80.4 | 81.2 | 82.1 | 83.1 | 84.0 | 85.0 | 86.0 | 86.7 |
| 100° | 100.9 | 101.9 | 102.9 | 103.9 | 104.9 | 105.8 | 106.6 | 107.5 | 108.3 | 109.1 | 109.6 |
| 102.5° | 127.7 | 128.3 | 128.9 | 129.4 | 130.0 | 130.9 | 132.0 | 133.1 | 134.1 | 135.2 | 135.7 |
| 105° | 167.0 | 167.3 | 167.7 | 168.0 | 168.3 | 169.2 | 170.7 | 172.2 | 173.7 | 175.2 | 175.2 |
| 107.5° | 212.7 | 212.9 | 213.1 | 213.3 | 213.5 | 213.9 | 214.5 | 215.1 | 215.7 | 216.3 | 216.8 |
| 110° | 241.2 | 241.6 | 241.9 | 242.2 | 242.5 | 242.9 | 243.2 | 243.5 | 243.9 | 244.2 | 244.9 |



TEST NUMBER: P332161

CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 270.9 | 271.1 | 271.3 | 271.5 | 271.7 | 271.8 | 271.9 | 272.0 | 272.0 | 272.1 | 272.9 |
| 115° | 315.5 | 315.9 | 316.4 | 316.9 | 317.4 | 317.5 | 317.2 | 316.9 | 316.5 | 316.2 | 316.4 |
| 117.5° | 360.3 | 360.6 | 360.9 | 361.3 | 361.6 | 361.6 | 361.1 | 360.7 | 360.3 | 359.8 | 359.8 |
| 120° | 388.2 | 389.2 | 390.2 | 391.2 | 392.2 | 392.2 | 391.4 | 390.6 | 389.8 | 388.9 | 388.8 |
| 122.5° | 417.3 | 418.0 | 418.7 | 419.5 | 420.2 | 420.3 | 419.9 | 419.5 | 419.1 | 418.6 | 418.2 |
| 125° | 461.7 | 462.2 | 462.7 | 463.2 | 463.7 | 463.7 | 463.4 | 463.1 | 462.7 | 462.4 | 461.8 |
| 127.5° | 502.6 | 503.7 | 504.8 | 505.8 | 506.9 | 507.2 | 506.9 | 506.5 | 506.1 | 505.8 | 504.8 |
| 130° | 530.0 | 531.3 | 532.6 | 533.9 | 535.2 | 535.7 | 535.2 | 534.7 | 534.2 | 533.7 | 533.0 |
| 132.5° | 557.3 | 558.6 | 559.9 | 561.2 | 562.6 | 563.0 | 562.7 | 562.3 | 561.9 | 561.6 | 560.8 |
| 135° | 599.0 | 600.0 | 601.0 | 602.0 | 602.9 | 603.4 | 603.2 | 603.0 | 602.9 | 602.7 | 602.0 |
| 137.5° | 637.6 | 638.4 | 639.2 | 640.1 | 640.9 | 641.5 | 641.9 | 642.4 | 642.8 | 643.2 | 642.5 |
| 140° | 664.3 | 665.1 | 666.0 | 666.8 | 667.6 | 668.1 | 668.3 | 668.4 | 668.6 | 668.8 | 668.6 |
| 142.5° | 688.7 | 689.5 | 690.3 | 691.1 | 691.9 | 692.5 | 692.8 | 693.1 | 693.4 | 693.7 | 693.5 |
| 145° | 726.7 | 727.0 | 727.3 | 727.6 | 728.0 | 728.4 | 728.9 | 729.4 | 729.9 | 730.4 | 730.2 |
| 147.5° | 759.9 | 760.5 | 761.1 | 761.7 | 762.3 | 762.8 | 763.3 | 763.7 | 764.2 | 764.7 | 764.7 |
| 150° | 783.1 | 783.4 | 783.7 | 784.1 | 784.4 | 784.7 | 785.0 | 785.4 | 785.7 | 786.0 | 786.0 |
| 152.5° | 802.1 | 802.5 | 803.0 | 803.5 | 803.9 | 804.2 | 804.4 | 804.6 | 804.8 | 805.0 | 805.3 |
| 155° | 832.1 | 832.1 | 832.1 | 832.1 | 832.1 | 832.1 | 832.3 | 832.5 | 832.6 | 832.8 | 833.5 |
| 157.5° | 857.6 | 857.4 | 857.2 | 857.0 | 856.8 | 856.8 | 856.9 | 857.0 | 857.2 | 857.3 | 858.0 |
| 160° | 873.6 | 873.3 | 873.0 | 872.6 | 872.3 | 872.1 | 872.1 | 872.1 | 872.1 | 872.1 | 873.0 |
| 162.5° | 887.9 | 887.4 | 886.9 | 886.5 | 886.0 | 885.9 | 886.0 | 886.1 | 886.3 | 886.4 | 887.2 |
| 165° | 906.3 | 905.8 | 905.3 | 904.8 | 904.3 | 904.0 | 904.0 | 904.0 | 904.0 | 904.0 | 905.0 |
| 167.5° | 921.0 | 920.3 | 919.7 | 919.0 | 918.3 | 918.1 | 918.2 | 918.3 | 918.5 | 918.6 | 919.6 |
| 170° | 929.3 | 928.6 | 928.0 | 927.3 | 926.6 | 926.3 | 926.3 | 926.3 | 926.3 | 926.3 | 927.5 |
| 172.5° | 935.8 | 935.2 | 934.5 | 933.8 | 933.2 | 932.8 | 932.8 | 932.8 | 932.8 | 932.8 | 933.9 |
| 175° | 942.6 | 942.0 | 941.3 | 940.7 | 940.0 | 939.7 | 939.7 | 939.7 | 939.7 | 939.7 | 940.7 |
| 177.5° | 945.5 | 944.9 | 944.4 | 943.9 | 943.4 | 943.1 | 943.1 | 943.1 | 943.1 | 943.1 | 943.9 |
| 180° | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 |



TEST NUMBER: P332161

CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-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° | 21.9 | 21.8 | 21.8 | 21.8 | 21.8 | 21.9 | 22.0 | 22.0 |
| 90° | 19.1 | 19.8 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.3 |
| 92.5° | 29.6 | 30.1 | 30.6 | 30.8 | 30.6 | 30.4 | 30.2 | 30.0 |
| 95° | 56.2 | 56.9 | 57.6 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| 97.5° | 87.5 | 88.2 | 89.0 | 89.3 | 89.3 | 89.2 | 89.1 | 89.1 |
| 100° | 110.1 | 110.6 | 111.1 | 111.5 | 111.8 | 112.2 | 112.5 | 112.8 |
| 102.5° | 136.2 | 136.7 | 137.2 | 137.4 | 137.4 | 137.3 | 137.2 | 137.2 |
| 105° | 175.2 | 175.2 | 175.2 | 175.3 | 175.7 | 176.0 | 176.3 | 176.7 |
| 107.5° | 217.3 | 217.9 | 218.4 | 218.6 | 218.4 | 218.2 | 218.0 | 217.8 |
| 110° | 245.5 | 246.2 | 246.8 | 247.0 | 246.7 | 246.3 | 246.0 | 245.7 |



TEST NUMBER: P332161

CATALOG NUMBER: S123DIW-S775D755U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.7 | 274.5 | 275.3 | 275.6 | 275.6 | 275.5 | 275.4 | 275.4 |
| 115° | 316.5 | 316.7 | 316.9 | 316.9 | 316.7 | 316.5 | 316.4 | 316.2 |
| 117.5° | 359.8 | 359.7 | 359.7 | 359.5 | 359.0 | 358.5 | 358.1 | 357.6 |
| 120° | 388.6 | 388.4 | 388.3 | 388.0 | 387.7 | 387.4 | 387.0 | 386.7 |
| 122.5° | 417.8 | 417.3 | 416.9 | 416.5 | 416.0 | 415.5 | 415.1 | 414.6 |
| 125° | 461.1 | 460.4 | 459.8 | 459.1 | 458.5 | 457.8 | 457.1 | 456.5 |
| 127.5° | 503.9 | 503.0 | 502.1 | 501.2 | 500.5 | 499.7 | 499.0 | 498.2 |
| 130° | 532.4 | 531.7 | 531.0 | 530.1 | 529.0 | 527.8 | 526.7 | 525.5 |
| 132.5° | 560.0 | 559.2 | 558.4 | 557.6 | 556.7 | 555.8 | 554.9 | 554.0 |
| 135° | 601.4 | 600.7 | 600.1 | 599.6 | 599.2 | 598.9 | 598.6 | 598.2 |
| 137.5° | 641.8 | 641.1 | 640.5 | 639.8 | 639.2 | 638.5 | 637.9 | 637.3 |
| 140° | 668.4 | 668.3 | 668.1 | 667.4 | 666.3 | 665.1 | 664.0 | 662.8 |
| 142.5° | 693.4 | 693.2 | 693.0 | 692.5 | 691.6 | 690.7 | 689.8 | 688.9 |
| 145° | 730.0 | 729.9 | 729.7 | 729.3 | 728.6 | 728.0 | 727.3 | 726.7 |
| 147.5° | 764.7 | 764.7 | 764.7 | 764.2 | 763.2 | 762.2 | 761.2 | 760.2 |
| 150° | 786.0 | 786.0 | 786.0 | 785.5 | 784.5 | 783.6 | 782.6 | 781.6 |
| 152.5° | 805.6 | 805.8 | 806.1 | 805.8 | 804.9 | 804.1 | 803.2 | 802.4 |
| 155° | 834.1 | 834.8 | 835.4 | 835.2 | 834.0 | 832.9 | 831.7 | 830.6 |
| 157.5° | 858.7 | 859.4 | 860.1 | 859.9 | 859.0 | 858.1 | 857.2 | 856.2 |
| 160° | 873.8 | 874.6 | 875.4 | 875.5 | 874.9 | 874.2 | 873.5 | 872.9 |
| 162.5° | 888.0 | 888.9 | 889.7 | 889.6 | 888.5 | 887.5 | 886.4 | 885.3 |
| 165° | 906.0 | 907.0 | 908.0 | 907.9 | 906.8 | 905.6 | 904.5 | 903.3 |
| 167.5° | 920.6 | 921.7 | 922.7 | 922.7 | 921.7 | 920.6 | 919.6 | 918.6 |
| 170° | 928.6 | 929.8 | 930.9 | 930.9 | 929.8 | 928.6 | 927.5 | 926.3 |
| 172.5° | 934.9 | 935.9 | 936.9 | 936.9 | 935.7 | 934.6 | 933.4 | 932.3 |
| 175° | 941.7 | 942.6 | 943.6 | 943.6 | 942.4 | 941.2 | 940.1 | 938.9 |
| 177.5° | 944.7 | 945.5 | 946.3 | 946.2 | 945.3 | 944.3 | 943.4 | 942.5 |
| 180° | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 |

(END OF REPORT)