

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: P332196-927

Luminaire Tested: **S123DIW-S1000D1030U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332196-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S1000D1030U927-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1030 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6531.8 lumens
Efficiency: N/A
Efficacy: 106.7 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

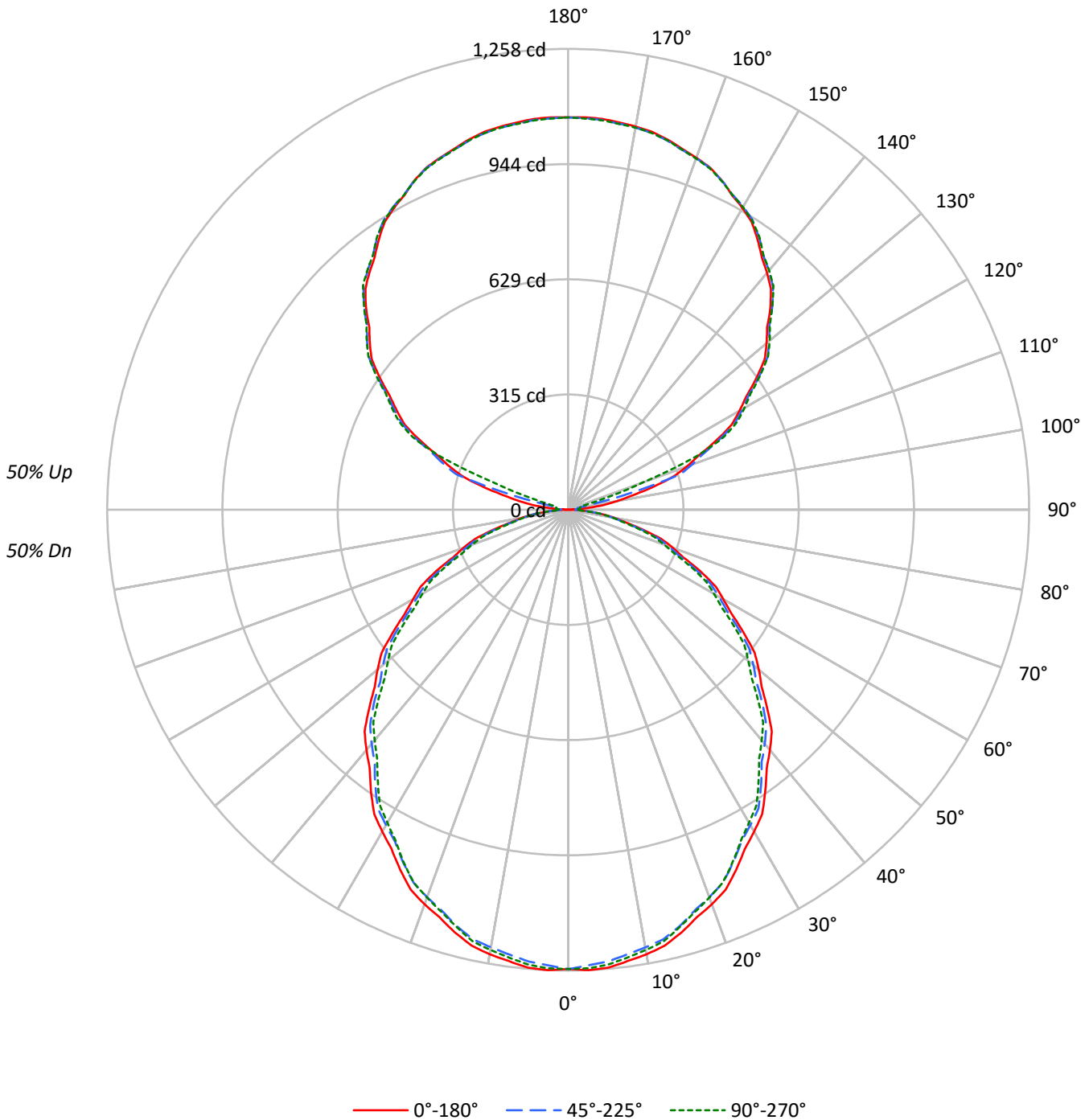
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 98 | 93 | 89 | 86 | 90 | 86 | 83 | 80 | 73 | 71 | 68 | 61 | 59 | 57 | 49 | 48 | 47 | 42 |
| 2 | 89 | 81 | 75 | 70 | 82 | 75 | 70 | 65 | 64 | 60 | 56 | 53 | 50 | 48 | 44 | 42 | 40 | 35 |
| 3 | 81 | 72 | 64 | 58 | 75 | 66 | 60 | 55 | 56 | 51 | 47 | 47 | 44 | 41 | 39 | 36 | 34 | 30 |
| 4 | 74 | 63 | 55 | 49 | 68 | 59 | 52 | 46 | 50 | 45 | 40 | 42 | 38 | 35 | 34 | 32 | 29 | 25 |
| 5 | 68 | 56 | 48 | 42 | 63 | 52 | 45 | 40 | 45 | 39 | 35 | 38 | 33 | 30 | 31 | 28 | 25 | 22 |
| 6 | 63 | 51 | 42 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 30 | 34 | 30 | 26 | 28 | 25 | 22 | 19 |
| 7 | 58 | 46 | 38 | 32 | 53 | 43 | 35 | 30 | 37 | 31 | 27 | 31 | 27 | 23 | 26 | 22 | 20 | 17 |
| 8 | 54 | 41 | 34 | 28 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 24 | 20 | 18 | 15 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 29 | 24 | 31 | 25 | 21 | 26 | 22 | 19 | 22 | 18 | 16 | 14 |
| 10 | 47 | 35 | 27 | 23 | 43 | 32 | 26 | 21 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13497 | 13497 | 13497 |
| 5° | 13560 | 13374 | 13467 |
| 10° | 13470 | 13258 | 13340 |
| 15° | 13312 | 13108 | 13133 |
| 20° | 13128 | 12893 | 12906 |
| 25° | 12883 | 12638 | 12613 |
| 30° | 12609 | 12356 | 12261 |
| 35° | 12326 | 12056 | 11901 |
| 40° | 12029 | 11726 | 11545 |
| 45° | 11702 | 11423 | 11144 |
| 50° | 11375 | 11050 | 10742 |
| 55° | 10946 | 10663 | 10340 |
| 60° | 10514 | 10213 | 9888 |
| 65° | 10132 | 9722 | 9419 |
| 70° | 9567 | 9161 | 8752 |
| 75° | 8742 | 8430 | 8072 |
| 80° | 7885 | 7550 | 7482 |
| 85° | 6928 | 6657 | 6385 |



TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 118.1 | 1.8 |
| 10°-20° | 333.5 | 5.1 |
| 20°-30° | 492.7 | 7.5 |
| 30°-40° | 575.5 | 8.8 |
| 40°-50° | 578.6 | 8.9 |
| 50°-60° | 508.2 | 7.8 |
| 60°-70° | 378.6 | 5.8 |
| 70°-80° | 215.7 | 3.3 |
| 80°-90° | 64.9 | 1.0 |
| 90°-100° | 38.9 | 0.6 |
| 100°-110° | 185.6 | 2.8 |
| 110°-120° | 445.8 | 6.8 |
| 120°-130° | 567.6 | 8.7 |
| 130°-140° | 606.5 | 9.3 |
| 140°-150° | 567.1 | 8.7 |
| 150°-160° | 457.5 | 7.0 |
| 160°-170° | 295.2 | 4.5 |
| 170°-180° | 101.8 | 1.6 |
| 0°-30° | 944.3 | 14.5 |
| 0°-40° | 1519.8 | 23.3 |
| 0°-60° | 2606.6 | 39.9 |
| 0°-90° | 3265.8 | 50.0 |
| 90°-120° | 670.3 | 10.3 |
| 90°-150° | 2411.5 | 36.9 |
| 90°-180° | 3266.0 | 50.0 |
| 0°-180° | 6531.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1254 | 1254 | 1254 | 1254 | 1254 | |
| 5° | 1255 | 1249 | 1238 | 1248 | 1246 | 119 |
| 15° | 1195 | 1190 | 1176 | 1184 | 1178 | 337 |
| 25° | 1085 | 1078 | 1064 | 1065 | 1062 | 499 |
| 35° | 938 | 931 | 918 | 911 | 906 | 587 |
| 45° | 769 | 764 | 750 | 738 | 732 | 593 |
| 55° | 583 | 582 | 568 | 557 | 551 | 522 |
| 65° | 398 | 392 | 382 | 373 | 370 | 392 |
| 75° | 210 | 206 | 203 | 197 | 194 | 225 |
| 85° | 56 | 54 | 54 | 52 | 52 | 62 |
| 90° | 1 | 9 | 19 | 22 | 24 | 5 |
| 95° | 49 | 18 | 25 | 30 | 30 | 60 |
| 105° | 237 | 241 | 174 | 41 | 35 | 251 |
| 115° | 445 | 450 | 457 | 464 | 468 | 439 |
| 125° | 627 | 633 | 636 | 638 | 640 | 560 |
| 135° | 780 | 785 | 788 | 791 | 788 | 601 |
| 145° | 901 | 906 | 908 | 909 | 909 | 564 |
| 155° | 992 | 991 | 991 | 995 | 991 | 457 |
| 165° | 1046 | 1044 | 1043 | 1049 | 1044 | 295 |
| 175° | 1071 | 1067 | 1068 | 1073 | 1067 | 102 |
| 180° | 1071 | 1071 | 1071 | 1071 | 1071 | |



TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 |
| 2.5° | 1258.2 | 1257.5 | 1256.7 | 1255.9 | 1255.2 | 1253.7 | 1251.6 | 1249.5 | 1247.4 | 1245.3 | 1247.2 |
| 5° | 1255.0 | 1253.8 | 1252.6 | 1251.4 | 1250.2 | 1248.3 | 1245.7 | 1243.0 | 1240.4 | 1237.8 | 1240.2 |
| 7.5° | 1242.7 | 1241.5 | 1240.3 | 1239.1 | 1237.9 | 1236.0 | 1233.3 | 1230.5 | 1227.8 | 1225.0 | 1227.2 |
| 10° | 1232.4 | 1231.2 | 1229.9 | 1228.8 | 1227.6 | 1225.4 | 1222.3 | 1219.2 | 1216.1 | 1213.0 | 1215.1 |
| 12.5° | 1218.5 | 1217.6 | 1216.6 | 1215.5 | 1214.6 | 1212.6 | 1209.7 | 1206.7 | 1203.8 | 1200.9 | 1202.5 |
| 15° | 1194.6 | 1193.7 | 1192.7 | 1191.8 | 1190.8 | 1188.7 | 1185.7 | 1182.6 | 1179.4 | 1176.3 | 1178.2 |
| 17.5° | 1166.8 | 1165.5 | 1164.3 | 1163.1 | 1161.8 | 1159.7 | 1156.5 | 1153.4 | 1150.3 | 1147.2 | 1148.5 |
| 20° | 1146.1 | 1144.7 | 1143.3 | 1141.8 | 1140.3 | 1138.0 | 1135.0 | 1131.9 | 1128.8 | 1125.6 | 1126.6 |
| 22.5° | 1122.8 | 1121.4 | 1120.0 | 1118.5 | 1117.1 | 1114.8 | 1111.7 | 1108.6 | 1105.5 | 1102.3 | 1103.1 |
| 25° | 1084.7 | 1083.2 | 1081.8 | 1080.4 | 1078.9 | 1076.7 | 1073.5 | 1070.4 | 1067.3 | 1064.1 | 1064.4 |
| 27.5° | 1043.9 | 1042.5 | 1041.1 | 1039.7 | 1038.3 | 1035.9 | 1032.6 | 1029.3 | 1025.9 | 1022.5 | 1022.7 |
| 30° | 1014.5 | 1013.4 | 1012.2 | 1011.0 | 1009.8 | 1007.5 | 1004.2 | 1000.8 | 997.4 | 994.1 | 994.1 |
| 32.5° | 985.2 | 983.7 | 982.1 | 980.5 | 978.9 | 976.8 | 974.2 | 971.7 | 969.1 | 966.5 | 965.1 |
| 35° | 938.0 | 936.6 | 935.2 | 933.7 | 932.2 | 930.0 | 926.9 | 923.8 | 920.7 | 917.5 | 916.1 |
| 37.5° | 889.7 | 887.9 | 886.1 | 884.2 | 882.4 | 880.0 | 876.8 | 873.6 | 870.4 | 867.3 | 865.5 |
| 40° | 856.1 | 854.6 | 853.2 | 851.8 | 850.3 | 848.0 | 844.5 | 841.2 | 837.9 | 834.5 | 832.6 |
| 42.5° | 822.4 | 820.8 | 819.2 | 817.5 | 815.9 | 813.4 | 810.1 | 806.8 | 803.4 | 800.0 | 798.1 |
| 45° | 768.7 | 767.8 | 766.8 | 765.9 | 764.9 | 762.9 | 759.8 | 756.6 | 753.5 | 750.4 | 747.6 |
| 47.5° | 715.5 | 714.1 | 712.7 | 711.3 | 710.0 | 707.7 | 704.9 | 702.0 | 699.0 | 696.1 | 693.2 |
| 50° | 679.3 | 678.0 | 676.8 | 675.7 | 674.5 | 672.3 | 669.2 | 666.1 | 663.0 | 659.9 | 657.2 |
| 52.5° | 641.3 | 640.5 | 639.7 | 638.9 | 638.0 | 636.0 | 632.7 | 629.4 | 626.1 | 622.7 | 620.5 |
| 55° | 583.3 | 583.0 | 582.8 | 582.6 | 582.3 | 580.7 | 577.6 | 574.4 | 571.3 | 568.2 | 565.5 |
| 57.5° | 528.1 | 527.3 | 526.5 | 525.7 | 524.8 | 523.2 | 520.7 | 518.2 | 515.7 | 513.3 | 510.9 |
| 60° | 488.4 | 488.1 | 487.9 | 487.7 | 487.4 | 485.9 | 483.0 | 480.1 | 477.3 | 474.4 | 472.2 |
| 62.5° | 453.0 | 452.4 | 451.8 | 451.1 | 450.6 | 448.9 | 445.9 | 443.1 | 440.2 | 437.3 | 435.1 |
| 65° | 397.8 | 396.6 | 395.5 | 394.3 | 393.1 | 391.3 | 388.9 | 386.5 | 384.0 | 381.7 | 379.8 |
| 67.5° | 339.5 | 338.3 | 337.3 | 336.3 | 335.2 | 333.7 | 331.9 | 330.1 | 328.3 | 326.5 | 324.8 |
| 70° | 304.0 | 302.6 | 301.2 | 299.8 | 298.3 | 296.8 | 295.4 | 294.0 | 292.6 | 291.1 | 289.5 |
| 72.5° | 267.0 | 265.9 | 264.8 | 263.8 | 262.8 | 261.4 | 259.8 | 258.2 | 256.5 | 254.8 | 253.4 |
| 75° | 210.2 | 209.3 | 208.3 | 207.4 | 206.4 | 205.6 | 204.9 | 204.1 | 203.4 | 202.7 | 201.5 |
| 77.5° | 160.0 | 159.5 | 158.9 | 158.4 | 157.9 | 157.2 | 156.4 | 155.5 | 154.6 | 153.8 | 153.0 |
| 80° | 127.2 | 126.5 | 125.8 | 125.1 | 124.4 | 123.7 | 123.3 | 122.8 | 122.3 | 121.8 | 121.6 |
| 82.5° | 95.3 | 95.1 | 95.1 | 94.9 | 94.7 | 94.6 | 94.5 | 94.4 | 94.3 | 94.3 | 93.8 |
| 85° | 56.1 | 55.6 | 55.1 | 54.7 | 54.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.4 |
| 87.5° | 22.6 | 22.3 | 22.2 | 21.9 | 21.7 | 21.7 | 22.0 | 22.3 | 22.5 | 22.8 | 22.7 |
| 90° | 0.8 | 2.5 | 4.4 | 6.1 | 7.8 | 9.9 | 12.2 | 14.5 | 16.8 | 19.1 | 19.8 |
| 92.5° | 14.8 | 14.3 | 13.8 | 13.3 | 12.8 | 13.5 | 15.2 | 16.9 | 18.6 | 20.4 | 21.5 |
| 95° | 48.6 | 41.3 | 34.1 | 26.8 | 19.6 | 16.9 | 18.9 | 20.8 | 22.7 | 24.6 | 25.9 |
| 97.5° | 97.5 | 94.3 | 91.0 | 87.8 | 84.5 | 76.5 | 63.8 | 51.1 | 38.3 | 25.6 | 27.0 |
| 100° | 134.4 | 138.0 | 141.6 | 145.0 | 148.6 | 136.6 | 109.0 | 81.4 | 53.9 | 26.2 | 27.6 |
| 102.5° | 176.5 | 179.0 | 181.6 | 184.1 | 186.6 | 172.9 | 142.8 | 112.6 | 82.5 | 52.4 | 48.0 |
| 105° | 237.1 | 239.1 | 241.0 | 243.0 | 244.9 | 237.9 | 222.0 | 206.0 | 190.2 | 174.3 | 143.0 |
| 107.5° | 301.1 | 302.6 | 304.2 | 305.8 | 307.3 | 309.3 | 311.9 | 314.3 | 316.9 | 319.4 | 296.4 |
| 110° | 343.7 | 345.2 | 346.6 | 348.0 | 349.4 | 351.1 | 353.0 | 355.0 | 356.9 | 358.9 | 353.0 |



TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 384.4 | 385.7 | 387.0 | 388.3 | 389.6 | 391.2 | 393.1 | 395.1 | 397.0 | 398.9 | 399.0 |
| 115° | 444.8 | 445.8 | 446.9 | 448.0 | 449.0 | 450.4 | 451.9 | 453.5 | 455.1 | 456.7 | 458.5 |
| 117.5° | 503.2 | 504.5 | 505.8 | 507.1 | 508.4 | 509.5 | 510.3 | 511.1 | 511.9 | 512.7 | 514.1 |
| 120° | 539.5 | 541.1 | 542.6 | 544.2 | 545.8 | 546.9 | 547.4 | 548.0 | 548.5 | 549.0 | 550.4 |
| 122.5° | 576.4 | 577.7 | 579.0 | 580.3 | 581.6 | 582.6 | 583.3 | 583.9 | 584.6 | 585.3 | 586.3 |
| 125° | 627.0 | 628.4 | 629.8 | 631.2 | 632.6 | 633.7 | 634.4 | 635.1 | 635.8 | 636.5 | 636.9 |
| 127.5° | 676.0 | 677.4 | 678.8 | 680.2 | 681.7 | 682.8 | 683.7 | 684.5 | 685.3 | 686.2 | 686.7 |
| 130° | 706.5 | 708.0 | 709.4 | 710.8 | 712.3 | 713.3 | 714.0 | 714.7 | 715.4 | 716.1 | 716.8 |
| 132.5° | 735.9 | 737.3 | 738.6 | 740.1 | 741.5 | 742.5 | 743.1 | 743.6 | 744.2 | 744.7 | 745.4 |
| 135° | 780.5 | 781.6 | 782.7 | 783.7 | 784.8 | 785.7 | 786.4 | 787.1 | 787.8 | 788.5 | 789.0 |
| 137.5° | 818.7 | 820.1 | 821.4 | 822.8 | 824.1 | 825.0 | 825.4 | 825.8 | 826.2 | 826.6 | 827.4 |
| 140° | 844.2 | 845.3 | 846.4 | 847.4 | 848.4 | 849.2 | 849.8 | 850.3 | 850.8 | 851.4 | 852.1 |
| 142.5° | 867.8 | 868.8 | 869.9 | 870.9 | 872.0 | 872.8 | 873.3 | 873.9 | 874.4 | 874.9 | 875.5 |
| 145° | 900.7 | 901.9 | 903.2 | 904.4 | 905.6 | 906.4 | 906.8 | 907.1 | 907.5 | 907.8 | 908.2 |
| 147.5° | 931.8 | 932.6 | 933.3 | 934.1 | 935.0 | 935.6 | 935.9 | 936.3 | 936.6 | 937.0 | 937.3 |
| 150° | 950.9 | 951.3 | 951.9 | 952.4 | 952.9 | 953.4 | 953.7 | 954.1 | 954.4 | 954.8 | 955.1 |
| 152.5° | 968.0 | 968.3 | 968.5 | 968.8 | 969.0 | 969.2 | 969.5 | 969.6 | 969.9 | 970.1 | 970.7 |
| 155° | 992.2 | 991.8 | 991.5 | 991.2 | 990.8 | 990.7 | 990.9 | 991.0 | 991.3 | 991.4 | 992.3 |
| 157.5° | 1011.0 | 1011.0 | 1010.9 | 1010.9 | 1010.8 | 1010.7 | 1010.6 | 1010.3 | 1010.2 | 1010.0 | 1011.1 |
| 160° | 1022.5 | 1022.2 | 1022.1 | 1021.9 | 1021.8 | 1021.5 | 1021.4 | 1021.2 | 1021.0 | 1020.9 | 1021.9 |
| 162.5° | 1033.2 | 1032.8 | 1032.4 | 1031.9 | 1031.4 | 1031.1 | 1030.9 | 1030.8 | 1030.5 | 1030.4 | 1031.6 |
| 165° | 1046.3 | 1045.8 | 1045.3 | 1044.7 | 1044.2 | 1043.9 | 1043.6 | 1043.5 | 1043.3 | 1043.1 | 1044.6 |
| 167.5° | 1056.5 | 1055.8 | 1055.1 | 1054.4 | 1053.7 | 1053.3 | 1053.3 | 1053.3 | 1053.3 | 1053.3 | 1054.7 |
| 170° | 1062.2 | 1061.5 | 1060.8 | 1060.1 | 1059.4 | 1059.1 | 1059.1 | 1059.1 | 1059.1 | 1059.1 | 1060.4 |
| 172.5° | 1066.0 | 1065.2 | 1064.4 | 1063.5 | 1062.6 | 1062.3 | 1062.4 | 1062.6 | 1062.7 | 1062.9 | 1064.3 |
| 175° | 1071.0 | 1070.1 | 1069.2 | 1068.3 | 1067.5 | 1067.1 | 1067.2 | 1067.5 | 1067.6 | 1067.8 | 1069.1 |
| 177.5° | 1072.2 | 1071.5 | 1070.9 | 1070.2 | 1069.4 | 1069.1 | 1069.3 | 1069.4 | 1069.5 | 1069.7 | 1070.9 |
| 180° | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 |



TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 |
| 2.5° | 1249.1 | 1251.1 | 1253.0 | 1253.9 | 1253.6 | 1253.5 | 1253.2 | 1253.1 |
| 5° | 1242.5 | 1244.9 | 1247.4 | 1248.3 | 1247.8 | 1247.4 | 1246.9 | 1246.4 |
| 7.5° | 1229.4 | 1231.5 | 1233.7 | 1234.6 | 1234.3 | 1234.1 | 1233.7 | 1233.4 |
| 10° | 1217.3 | 1219.4 | 1221.6 | 1222.4 | 1221.9 | 1221.5 | 1221.0 | 1220.5 |
| 12.5° | 1204.0 | 1205.6 | 1207.2 | 1207.8 | 1207.6 | 1207.3 | 1207.0 | 1206.7 |
| 15° | 1180.1 | 1182.0 | 1184.0 | 1184.2 | 1182.8 | 1181.3 | 1179.9 | 1178.5 |
| 17.5° | 1149.9 | 1151.2 | 1152.5 | 1152.9 | 1152.5 | 1151.9 | 1151.4 | 1150.9 |
| 20° | 1127.5 | 1128.5 | 1129.5 | 1129.6 | 1128.9 | 1128.1 | 1127.4 | 1126.7 |
| 22.5° | 1103.9 | 1104.6 | 1105.4 | 1105.3 | 1104.5 | 1103.5 | 1102.6 | 1101.7 |
| 25° | 1064.6 | 1064.9 | 1065.2 | 1064.9 | 1064.1 | 1063.4 | 1062.7 | 1062.0 |
| 27.5° | 1022.9 | 1023.1 | 1023.3 | 1022.9 | 1022.1 | 1021.1 | 1020.3 | 1019.3 |
| 30° | 994.1 | 994.1 | 994.1 | 993.2 | 991.6 | 989.9 | 988.2 | 986.5 |
| 32.5° | 963.8 | 962.5 | 961.2 | 960.0 | 959.1 | 958.1 | 957.3 | 956.3 |
| 35° | 914.7 | 913.2 | 911.8 | 910.5 | 909.3 | 908.1 | 906.9 | 905.7 |
| 37.5° | 863.9 | 862.1 | 860.4 | 859.1 | 858.4 | 857.6 | 856.8 | 856.1 |
| 40° | 830.7 | 828.8 | 826.9 | 825.4 | 824.4 | 823.5 | 822.5 | 821.6 |
| 42.5° | 796.1 | 794.2 | 792.3 | 790.9 | 790.0 | 789.0 | 788.1 | 787.1 |
| 45° | 744.7 | 741.8 | 738.9 | 736.9 | 735.7 | 734.5 | 733.3 | 732.1 |
| 47.5° | 690.4 | 687.6 | 684.8 | 682.9 | 681.8 | 680.7 | 679.7 | 678.6 |
| 50° | 654.6 | 652.0 | 649.3 | 647.3 | 645.9 | 644.4 | 642.9 | 641.5 |
| 52.5° | 618.2 | 616.0 | 613.8 | 611.9 | 610.5 | 609.0 | 607.6 | 606.2 |
| 55° | 562.9 | 560.3 | 557.7 | 555.7 | 554.5 | 553.3 | 552.2 | 551.0 |
| 57.5° | 508.5 | 506.2 | 503.8 | 501.9 | 500.6 | 499.2 | 497.8 | 496.4 |
| 60° | 470.1 | 467.9 | 465.8 | 464.1 | 462.9 | 461.7 | 460.5 | 459.3 |
| 62.5° | 433.0 | 430.9 | 428.6 | 427.2 | 426.4 | 425.6 | 424.8 | 424.0 |
| 65° | 377.9 | 375.9 | 374.0 | 372.7 | 372.0 | 371.3 | 370.5 | 369.8 |
| 67.5° | 323.1 | 321.5 | 319.8 | 318.5 | 317.4 | 316.4 | 315.4 | 314.4 |
| 70° | 287.7 | 286.1 | 284.4 | 283.0 | 281.8 | 280.6 | 279.4 | 278.1 |
| 72.5° | 251.9 | 250.4 | 248.9 | 247.9 | 247.2 | 246.6 | 246.1 | 245.4 |
| 75° | 200.3 | 199.1 | 197.9 | 196.9 | 196.2 | 195.5 | 194.8 | 194.1 |
| 77.5° | 152.1 | 151.3 | 150.5 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| 80° | 121.4 | 121.1 | 120.9 | 120.7 | 120.7 | 120.7 | 120.7 | 120.7 |
| 82.5° | 93.4 | 92.9 | 92.5 | 92.2 | 92.0 | 91.8 | 91.7 | 91.4 |
| 85° | 52.9 | 52.4 | 52.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 87.5° | 22.7 | 22.7 | 22.6 | 22.6 | 22.7 | 22.7 | 22.8 | 22.9 |
| 90° | 20.5 | 21.2 | 21.9 | 22.4 | 22.8 | 23.1 | 23.5 | 23.8 |
| 92.5° | 22.7 | 23.8 | 24.9 | 25.6 | 25.7 | 26.0 | 26.2 | 26.4 |
| 95° | 27.2 | 28.4 | 29.6 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 |
| 97.5° | 28.4 | 29.9 | 31.3 | 32.1 | 32.2 | 32.4 | 32.6 | 32.8 |
| 100° | 29.1 | 30.5 | 31.9 | 32.7 | 32.9 | 33.0 | 33.3 | 33.4 |
| 102.5° | 43.6 | 39.2 | 34.8 | 32.8 | 33.1 | 33.4 | 33.7 | 34.1 |
| 105° | 111.7 | 80.3 | 49.0 | 33.6 | 34.0 | 34.3 | 34.6 | 35.0 |
| 107.5° | 273.5 | 250.6 | 227.6 | 204.3 | 180.7 | 157.2 | 133.6 | 110.0 |
| 110° | 347.2 | 341.4 | 335.5 | 320.0 | 294.7 | 269.3 | 244.1 | 218.8 |



TEST NUMBER: P332196-927

CATALOG NUMBER: S123DIW-S1000D1030U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 399.2 | 399.3 | 399.3 | 396.7 | 391.4 | 386.1 | 380.7 | 375.4 |
| 115° | 460.3 | 462.0 | 463.8 | 465.0 | 465.7 | 466.4 | 467.1 | 467.9 |
| 117.5° | 515.6 | 517.0 | 518.4 | 519.2 | 519.3 | 519.4 | 519.6 | 519.8 |
| 120° | 551.8 | 553.3 | 554.7 | 555.4 | 555.4 | 555.4 | 555.4 | 555.4 |
| 122.5° | 587.2 | 588.3 | 589.2 | 589.9 | 589.9 | 590.1 | 590.3 | 590.4 |
| 125° | 637.2 | 637.6 | 637.9 | 638.3 | 638.7 | 639.0 | 639.4 | 639.7 |
| 127.5° | 687.3 | 687.9 | 688.5 | 688.6 | 688.2 | 687.9 | 687.5 | 687.1 |
| 130° | 717.6 | 718.2 | 718.9 | 719.1 | 718.7 | 718.4 | 718.0 | 717.7 |
| 132.5° | 746.2 | 746.9 | 747.6 | 747.7 | 747.2 | 746.7 | 746.2 | 745.7 |
| 135° | 789.6 | 790.1 | 790.6 | 790.6 | 790.1 | 789.6 | 789.0 | 788.5 |
| 137.5° | 828.2 | 829.1 | 830.0 | 830.2 | 829.8 | 829.5 | 829.1 | 828.8 |
| 140° | 852.8 | 853.5 | 854.2 | 854.4 | 854.1 | 853.7 | 853.3 | 852.9 |
| 142.5° | 876.1 | 876.6 | 877.2 | 877.2 | 876.7 | 876.2 | 875.8 | 875.2 |
| 145° | 908.6 | 908.9 | 909.3 | 909.4 | 909.4 | 909.4 | 909.4 | 909.4 |
| 147.5° | 937.7 | 938.0 | 938.4 | 938.2 | 937.4 | 936.5 | 935.7 | 934.9 |
| 150° | 955.5 | 955.8 | 956.2 | 956.2 | 955.6 | 955.1 | 954.6 | 954.0 |
| 152.5° | 971.4 | 972.0 | 972.6 | 972.6 | 971.7 | 970.9 | 970.1 | 969.3 |
| 155° | 993.2 | 994.0 | 995.0 | 994.8 | 993.8 | 992.8 | 991.7 | 990.6 |
| 157.5° | 1012.2 | 1013.2 | 1014.2 | 1014.1 | 1012.7 | 1011.4 | 1010.0 | 1008.6 |
| 160° | 1022.9 | 1024.1 | 1025.1 | 1025.0 | 1023.7 | 1022.5 | 1021.3 | 1020.0 |
| 162.5° | 1032.8 | 1034.0 | 1035.2 | 1035.2 | 1034.2 | 1033.1 | 1032.0 | 1030.9 |
| 165° | 1045.9 | 1047.3 | 1048.8 | 1048.8 | 1047.7 | 1046.4 | 1045.1 | 1043.9 |
| 167.5° | 1056.1 | 1057.6 | 1059.0 | 1059.0 | 1057.6 | 1056.1 | 1054.7 | 1053.3 |
| 170° | 1061.8 | 1063.3 | 1064.7 | 1064.7 | 1063.3 | 1061.8 | 1060.4 | 1059.1 |
| 172.5° | 1065.7 | 1067.1 | 1068.5 | 1068.4 | 1066.9 | 1065.3 | 1063.7 | 1062.2 |
| 175° | 1070.2 | 1071.5 | 1072.8 | 1072.7 | 1071.3 | 1069.8 | 1068.4 | 1067.0 |
| 177.5° | 1072.0 | 1073.1 | 1074.2 | 1074.1 | 1072.7 | 1071.3 | 1069.8 | 1068.4 |
| 180° | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 | 1071.0 |

(END OF REPORT)