

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: P333694-830

Luminaire Tested: **S125RDIW-S850D1340U830-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333694-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S850D1340U830-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8120.7 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Indirect

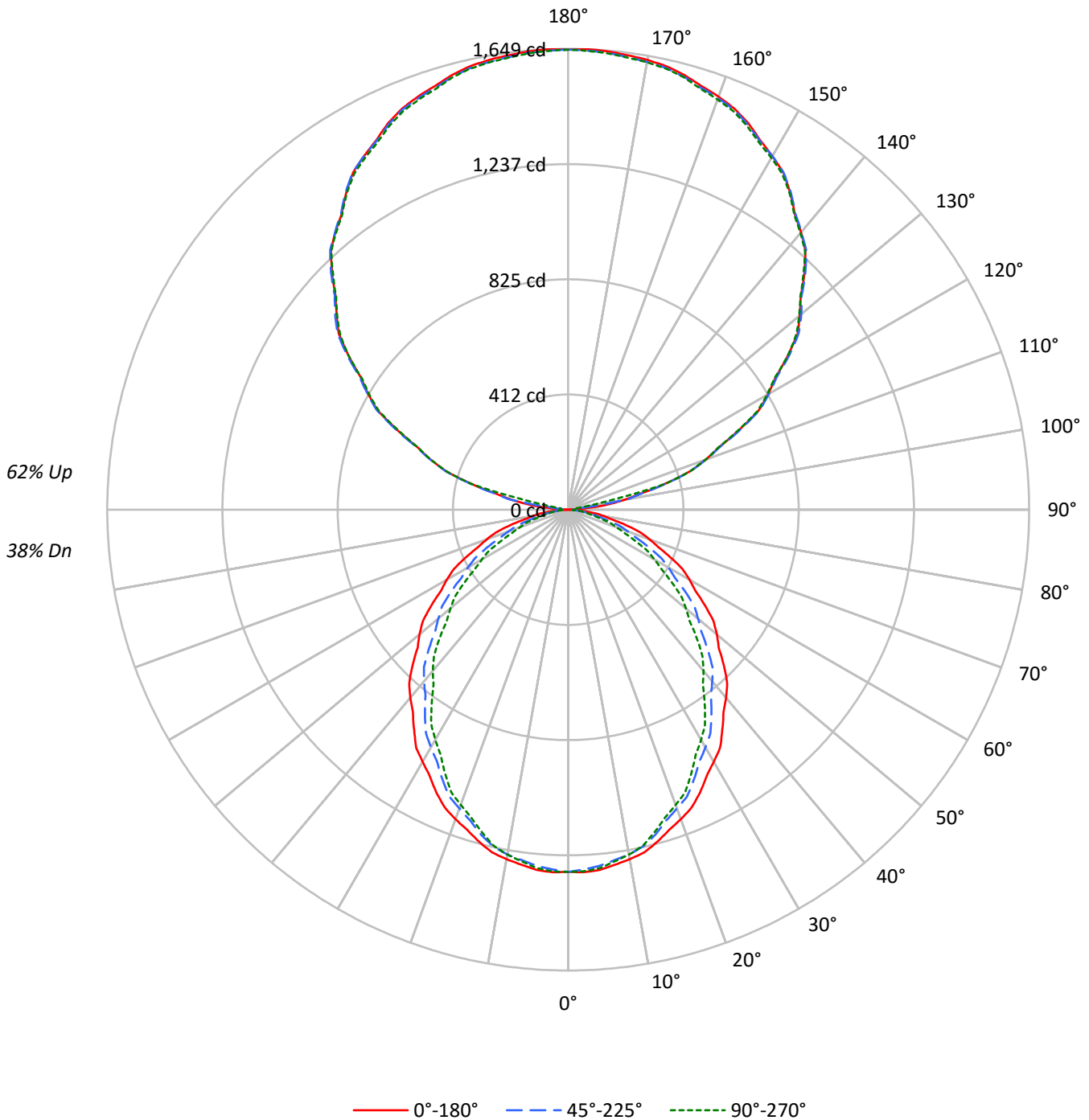
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 60 | 60 | 60 | 45 | 45 | 45 | 38 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 80 | 77 | 67 | 65 | 63 | 53 | 52 | 50 | 40 | 39 | 38 | 32 |
| 2 | 87 | 80 | 74 | 69 | 79 | 72 | 67 | 63 | 59 | 56 | 52 | 47 | 44 | 42 | 35 | 34 | 32 | 27 |
| 3 | 79 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 52 | 48 | 44 | 41 | 38 | 36 | 31 | 29 | 28 | 23 |
| 4 | 73 | 62 | 54 | 49 | 66 | 57 | 50 | 45 | 46 | 42 | 38 | 37 | 34 | 31 | 28 | 26 | 24 | 20 |
| 5 | 67 | 55 | 47 | 42 | 60 | 51 | 44 | 39 | 42 | 36 | 33 | 33 | 30 | 27 | 25 | 23 | 21 | 17 |
| 6 | 61 | 50 | 42 | 36 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |
| 7 | 57 | 45 | 37 | 32 | 51 | 41 | 34 | 29 | 34 | 29 | 25 | 27 | 23 | 21 | 21 | 18 | 16 | 14 |
| 8 | 52 | 41 | 33 | 28 | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 25 | 21 | 18 | 19 | 17 | 15 | 12 |
| 9 | 49 | 37 | 30 | 25 | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 17 | 18 | 15 | 13 | 11 |
| 10 | 46 | 34 | 27 | 22 | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 18 | 15 | 17 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8371 | 8371 | 8371 |
| 5° | 8390 | 8294 | 8345 |
| 10° | 8326 | 8217 | 8217 |
| 15° | 8227 | 8050 | 7985 |
| 20° | 8100 | 7818 | 7724 |
| 25° | 7953 | 7590 | 7422 |
| 30° | 7767 | 7322 | 7088 |
| 35° | 7579 | 7046 | 6714 |
| 40° | 7403 | 6759 | 6347 |
| 45° | 7188 | 6437 | 5945 |
| 50° | 6973 | 6089 | 5528 |
| 55° | 6723 | 5754 | 5082 |
| 60° | 6473 | 5349 | 4602 |
| 65° | 6178 | 4876 | 4053 |
| 70° | 5840 | 4288 | 3493 |
| 75° | 5375 | 3616 | 2907 |
| 80° | 4731 | 2838 | 2440 |
| 85° | 3987 | 2319 | 2179 |



TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 121.9 | 1.5 |
| 10°-20° | 340.6 | 4.2 |
| 20°-30° | 493.9 | 6.1 |
| 30°-40° | 562.9 | 6.9 |
| 40°-50° | 548.6 | 6.8 |
| 50°-60° | 461.8 | 5.7 |
| 60°-70° | 323.7 | 4.0 |
| 70°-80° | 166.4 | 2.0 |
| 80°-90° | 45.5 | 0.6 |
| 90°-100° | 59.8 | 0.7 |
| 100°-110° | 368.7 | 4.5 |
| 110°-120° | 668.7 | 8.2 |
| 120°-130° | 858.2 | 10.6 |
| 130°-140° | 923.1 | 11.4 |
| 140°-150° | 866.4 | 10.7 |
| 150°-160° | 700.9 | 8.6 |
| 160°-170° | 453.3 | 5.6 |
| 170°-180° | 156.3 | 1.9 |
| 0°-30° | 956.3 | 11.8 |
| 0°-40° | 1519.2 | 18.7 |
| 0°-60° | 2529.7 | 31.2 |
| 0°-90° | 3065.3 | 37.7 |
| 90°-120° | 1097.2 | 13.5 |
| 90°-150° | 3744.9 | 46.1 |
| 90°-180° | 5055.0 | 62.2 |
| 0°-180° | 8120.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1296 | 1296 | 1296 | 1296 | 1296 | |
| 5° | 1294 | 1290 | 1279 | 1289 | 1287 | 123 |
| 15° | 1230 | 1224 | 1204 | 1203 | 1194 | 347 |
| 25° | 1116 | 1100 | 1065 | 1052 | 1042 | 513 |
| 35° | 961 | 937 | 894 | 866 | 852 | 602 |
| 45° | 787 | 757 | 705 | 667 | 651 | 607 |
| 55° | 597 | 564 | 511 | 468 | 451 | 534 |
| 65° | 404 | 370 | 319 | 281 | 265 | 400 |
| 75° | 215 | 185 | 145 | 124 | 116 | 228 |
| 85° | 54 | 37 | 31 | 30 | 29 | 61 |
| 90° | 1 | 11 | 20 | 26 | 29 | 5 |
| 95° | 70 | 64 | 20 | 25 | 26 | 89 |
| 105° | 359 | 363 | 364 | 364 | 362 | 380 |
| 115° | 674 | 680 | 681 | 676 | 669 | 668 |
| 125° | 958 | 966 | 966 | 962 | 958 | 855 |
| 135° | 1195 | 1202 | 1200 | 1197 | 1190 | 921 |
| 145° | 1385 | 1387 | 1388 | 1388 | 1382 | 866 |
| 155° | 1525 | 1519 | 1521 | 1523 | 1514 | 703 |
| 165° | 1610 | 1603 | 1604 | 1610 | 1601 | 455 |
| 175° | 1646 | 1639 | 1640 | 1649 | 1639 | 157 |
| 180° | 1646 | 1646 | 1646 | 1646 | 1646 | |



TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 |
| 2.5° | 1298.4 | 1297.9 | 1297.3 | 1296.8 | 1296.3 | 1295.1 | 1293.5 | 1291.7 | 1290.0 | 1288.2 | 1290.0 |
| 5° | 1294.1 | 1293.3 | 1292.3 | 1291.5 | 1290.6 | 1289.0 | 1286.6 | 1284.2 | 1281.8 | 1279.4 | 1281.6 |
| 7.5° | 1281.4 | 1280.5 | 1279.7 | 1278.8 | 1278.1 | 1276.2 | 1273.4 | 1270.5 | 1267.6 | 1264.7 | 1266.2 |
| 10° | 1269.6 | 1268.9 | 1268.3 | 1267.6 | 1267.0 | 1265.2 | 1262.2 | 1259.0 | 1256.0 | 1253.0 | 1253.6 |
| 12.5° | 1256.3 | 1255.5 | 1254.6 | 1253.9 | 1253.0 | 1250.6 | 1246.4 | 1242.4 | 1238.3 | 1234.2 | 1234.6 |
| 15° | 1230.5 | 1229.2 | 1227.9 | 1226.5 | 1225.2 | 1222.3 | 1217.8 | 1213.1 | 1208.6 | 1204.0 | 1203.8 |
| 17.5° | 1201.3 | 1199.3 | 1197.3 | 1195.3 | 1193.3 | 1189.4 | 1183.6 | 1177.9 | 1172.1 | 1166.4 | 1165.4 |
| 20° | 1178.6 | 1176.4 | 1174.2 | 1172.1 | 1169.9 | 1165.3 | 1158.4 | 1151.4 | 1144.4 | 1137.5 | 1136.4 |
| 22.5° | 1153.5 | 1151.3 | 1149.1 | 1147.0 | 1144.8 | 1140.1 | 1132.7 | 1125.5 | 1118.1 | 1110.9 | 1108.7 |
| 25° | 1116.0 | 1112.7 | 1109.4 | 1106.2 | 1102.9 | 1097.2 | 1089.2 | 1081.1 | 1073.1 | 1065.1 | 1062.2 |
| 27.5° | 1072.9 | 1068.9 | 1065.0 | 1061.0 | 1057.1 | 1050.7 | 1042.2 | 1033.5 | 1024.9 | 1016.2 | 1012.3 |
| 30° | 1041.5 | 1037.4 | 1033.3 | 1029.2 | 1025.0 | 1018.3 | 1009.3 | 1000.1 | 991.0 | 981.8 | 976.9 |
| 32.5° | 1011.0 | 1006.2 | 1001.4 | 996.6 | 991.6 | 984.6 | 975.3 | 966.0 | 956.7 | 947.3 | 941.9 |
| 35° | 961.3 | 956.0 | 950.8 | 945.6 | 940.4 | 932.8 | 923.1 | 913.3 | 903.5 | 893.7 | 887.4 |
| 37.5° | 912.5 | 906.2 | 899.8 | 893.4 | 887.1 | 878.9 | 868.8 | 858.7 | 848.6 | 838.5 | 830.9 |
| 40° | 878.1 | 871.6 | 865.0 | 858.5 | 852.0 | 843.5 | 833.0 | 822.6 | 812.2 | 801.7 | 793.4 |
| 42.5° | 842.1 | 835.4 | 828.7 | 821.9 | 815.2 | 806.5 | 795.7 | 784.9 | 774.1 | 763.4 | 755.4 |
| 45° | 787.0 | 780.7 | 774.4 | 768.1 | 761.8 | 752.6 | 740.6 | 728.8 | 716.8 | 704.8 | 696.1 |
| 47.5° | 730.1 | 723.4 | 716.7 | 710.1 | 703.4 | 694.1 | 682.0 | 670.0 | 657.9 | 645.8 | 636.9 |
| 50° | 694.0 | 686.8 | 679.7 | 672.5 | 665.3 | 655.5 | 643.1 | 630.7 | 618.3 | 606.0 | 596.8 |
| 52.5° | 654.9 | 647.5 | 640.2 | 632.8 | 625.5 | 616.0 | 604.3 | 592.6 | 580.8 | 569.1 | 559.3 |
| 55° | 597.1 | 590.1 | 583.2 | 576.3 | 569.3 | 559.7 | 547.5 | 535.4 | 523.2 | 511.0 | 501.1 |
| 57.5° | 538.8 | 531.3 | 523.9 | 516.4 | 509.1 | 499.5 | 487.7 | 475.9 | 464.2 | 452.4 | 442.9 |
| 60° | 501.1 | 493.6 | 486.0 | 478.3 | 470.7 | 461.1 | 449.3 | 437.5 | 425.8 | 414.1 | 404.5 |
| 62.5° | 461.3 | 454.0 | 446.8 | 439.4 | 432.2 | 422.6 | 410.7 | 398.8 | 386.8 | 374.9 | 366.1 |
| 65° | 404.3 | 396.9 | 389.5 | 382.1 | 374.7 | 365.2 | 353.7 | 342.1 | 330.6 | 319.1 | 310.4 |
| 67.5° | 347.7 | 340.3 | 332.9 | 325.6 | 318.1 | 308.9 | 297.8 | 286.8 | 275.8 | 264.7 | 256.7 |
| 70° | 309.3 | 301.9 | 294.5 | 287.1 | 279.7 | 270.6 | 259.8 | 248.8 | 238.0 | 227.1 | 220.4 |
| 72.5° | 271.7 | 264.5 | 257.3 | 250.1 | 242.9 | 234.1 | 223.9 | 213.8 | 203.6 | 193.4 | 187.2 |
| 75° | 215.4 | 208.9 | 202.3 | 195.8 | 189.3 | 181.4 | 172.3 | 163.2 | 154.0 | 144.9 | 140.1 |
| 77.5° | 159.4 | 154.1 | 148.9 | 143.7 | 138.5 | 132.2 | 124.9 | 117.6 | 110.3 | 103.0 | 99.6 |
| 80° | 127.2 | 122.1 | 116.8 | 111.6 | 106.4 | 100.8 | 94.6 | 88.5 | 82.5 | 76.3 | 74.4 |
| 82.5° | 96.0 | 91.2 | 86.5 | 81.8 | 77.1 | 72.7 | 68.5 | 64.4 | 60.1 | 56.0 | 55.0 |
| 85° | 53.8 | 50.0 | 46.0 | 42.1 | 38.2 | 35.6 | 34.6 | 33.5 | 32.4 | 31.3 | 31.1 |
| 87.5° | 18.3 | 17.4 | 16.7 | 15.9 | 15.1 | 14.8 | 15.1 | 15.3 | 15.5 | 15.6 | 15.9 |
| 90° | 1.2 | 3.4 | 5.6 | 7.7 | 9.9 | 12.0 | 13.9 | 15.7 | 17.6 | 19.5 | 20.9 |
| 92.5° | 18.8 | 17.2 | 15.7 | 14.2 | 12.7 | 12.8 | 14.5 | 16.1 | 17.8 | 19.5 | 20.9 |
| 95° | 69.6 | 68.7 | 68.0 | 67.1 | 66.3 | 60.7 | 50.4 | 40.2 | 29.8 | 19.5 | 20.9 |
| 97.5° | 145.2 | 146.7 | 148.2 | 149.6 | 151.1 | 141.6 | 121.2 | 100.9 | 80.4 | 60.0 | 52.4 |
| 100° | 203.8 | 204.6 | 205.4 | 206.2 | 207.1 | 208.0 | 209.1 | 210.2 | 211.2 | 212.4 | 171.9 |
| 102.5° | 263.3 | 264.4 | 265.4 | 266.5 | 267.5 | 268.3 | 269.0 | 269.7 | 270.2 | 270.9 | 263.3 |
| 105° | 358.8 | 359.9 | 361.0 | 362.0 | 363.2 | 363.6 | 363.6 | 363.6 | 363.6 | 363.6 | 363.6 |
| 107.5° | 457.9 | 457.9 | 457.9 | 457.9 | 457.9 | 458.2 | 458.7 | 459.2 | 459.8 | 460.3 | 460.3 |
| 110° | 522.4 | 522.4 | 522.4 | 522.4 | 522.4 | 522.5 | 523.1 | 523.7 | 524.2 | 524.7 | 524.0 |



TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 582.9 | 583.5 | 584.2 | 584.8 | 585.4 | 586.0 | 586.3 | 586.5 | 586.9 | 587.2 | 586.2 |
| 115° | 673.6 | 675.0 | 676.4 | 677.7 | 679.1 | 679.9 | 680.1 | 680.4 | 680.7 | 681.0 | 679.9 |
| 117.5° | 767.6 | 767.5 | 767.5 | 767.4 | 767.4 | 767.9 | 768.9 | 770.0 | 771.0 | 772.0 | 770.6 |
| 120° | 826.1 | 826.0 | 825.7 | 825.4 | 825.1 | 825.4 | 826.1 | 827.0 | 827.8 | 828.6 | 828.1 |
| 122.5° | 877.9 | 878.9 | 880.0 | 881.0 | 882.0 | 882.8 | 883.2 | 883.5 | 883.9 | 884.3 | 883.7 |
| 125° | 958.0 | 959.9 | 961.8 | 963.7 | 965.5 | 966.5 | 966.5 | 966.5 | 966.5 | 966.5 | 965.4 |
| 127.5° | 1034.3 | 1035.8 | 1037.1 | 1038.4 | 1039.8 | 1040.4 | 1040.2 | 1040.1 | 1039.9 | 1039.7 | 1039.2 |
| 130° | 1081.2 | 1082.6 | 1083.9 | 1085.3 | 1086.7 | 1087.5 | 1087.8 | 1088.0 | 1088.3 | 1088.5 | 1087.8 |
| 132.5° | 1128.1 | 1129.6 | 1131.2 | 1132.8 | 1134.3 | 1134.9 | 1134.3 | 1133.7 | 1133.1 | 1132.5 | 1132.4 |
| 135° | 1194.8 | 1196.4 | 1198.0 | 1199.6 | 1201.3 | 1201.7 | 1201.3 | 1200.7 | 1200.1 | 1199.6 | 1199.1 |
| 137.5° | 1256.0 | 1257.4 | 1258.8 | 1260.2 | 1261.6 | 1262.1 | 1261.6 | 1261.1 | 1260.7 | 1260.2 | 1260.3 |
| 140° | 1296.0 | 1296.6 | 1297.1 | 1297.6 | 1298.2 | 1298.4 | 1298.1 | 1297.8 | 1297.5 | 1297.2 | 1297.8 |
| 142.5° | 1332.1 | 1332.5 | 1332.8 | 1333.1 | 1333.4 | 1333.8 | 1334.2 | 1334.5 | 1334.9 | 1335.3 | 1335.4 |
| 145° | 1385.1 | 1385.6 | 1386.2 | 1386.8 | 1387.2 | 1387.5 | 1387.5 | 1387.5 | 1387.5 | 1387.5 | 1387.8 |
| 147.5° | 1431.4 | 1431.3 | 1431.3 | 1431.2 | 1431.1 | 1431.2 | 1431.4 | 1431.8 | 1432.1 | 1432.5 | 1432.8 |
| 150° | 1460.8 | 1460.2 | 1459.7 | 1459.2 | 1458.6 | 1458.6 | 1459.2 | 1459.7 | 1460.2 | 1460.8 | 1461.3 |
| 152.5° | 1489.0 | 1487.9 | 1486.7 | 1485.5 | 1484.3 | 1483.9 | 1484.5 | 1485.1 | 1485.6 | 1486.1 | 1486.7 |
| 155° | 1525.4 | 1523.8 | 1522.2 | 1520.6 | 1518.9 | 1518.4 | 1518.9 | 1519.5 | 1520.0 | 1520.6 | 1521.4 |
| 157.5° | 1553.5 | 1552.6 | 1551.5 | 1550.6 | 1549.6 | 1549.2 | 1549.2 | 1549.3 | 1549.4 | 1549.4 | 1550.2 |
| 160° | 1573.0 | 1571.4 | 1569.8 | 1568.1 | 1566.5 | 1565.8 | 1566.1 | 1566.4 | 1566.7 | 1567.0 | 1568.0 |
| 162.5° | 1588.7 | 1587.1 | 1585.4 | 1583.8 | 1582.2 | 1581.5 | 1581.8 | 1582.1 | 1582.2 | 1582.5 | 1584.0 |
| 165° | 1609.7 | 1608.0 | 1606.4 | 1604.8 | 1603.2 | 1602.4 | 1602.7 | 1603.0 | 1603.3 | 1603.5 | 1605.1 |
| 167.5° | 1625.2 | 1623.6 | 1621.9 | 1620.2 | 1618.5 | 1617.9 | 1618.1 | 1618.3 | 1618.6 | 1618.9 | 1620.9 |
| 170° | 1634.1 | 1632.2 | 1630.2 | 1628.3 | 1626.5 | 1625.6 | 1625.9 | 1626.2 | 1626.5 | 1626.7 | 1628.9 |
| 172.5° | 1639.9 | 1638.0 | 1636.2 | 1634.2 | 1632.3 | 1631.6 | 1632.1 | 1632.6 | 1633.0 | 1633.5 | 1635.5 |
| 175° | 1646.2 | 1644.6 | 1643.0 | 1641.3 | 1639.7 | 1639.1 | 1639.4 | 1639.6 | 1639.9 | 1640.1 | 1642.3 |
| 177.5° | 1649.2 | 1647.8 | 1646.6 | 1645.3 | 1644.0 | 1643.4 | 1643.7 | 1643.9 | 1644.1 | 1644.3 | 1645.9 |
| 180° | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 |



TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 |
| 2.5° | 1291.7 | 1293.5 | 1295.1 | 1296.0 | 1295.8 | 1295.6 | 1295.4 | 1295.2 |
| 5° | 1283.7 | 1285.9 | 1288.1 | 1289.0 | 1288.5 | 1288.1 | 1287.7 | 1287.2 |
| 7.5° | 1267.8 | 1269.3 | 1270.8 | 1271.3 | 1270.8 | 1270.4 | 1269.9 | 1269.4 |
| 10° | 1254.2 | 1254.9 | 1255.6 | 1255.6 | 1254.9 | 1254.2 | 1253.6 | 1253.0 |
| 12.5° | 1235.1 | 1235.6 | 1236.1 | 1235.9 | 1234.8 | 1233.8 | 1232.8 | 1231.8 |
| 15° | 1203.6 | 1203.3 | 1203.2 | 1202.1 | 1200.1 | 1198.2 | 1196.2 | 1194.2 |
| 17.5° | 1164.2 | 1163.2 | 1162.1 | 1160.7 | 1159.1 | 1157.5 | 1155.9 | 1154.3 |
| 20° | 1135.3 | 1134.2 | 1133.1 | 1131.6 | 1129.6 | 1127.7 | 1125.7 | 1123.8 |
| 22.5° | 1106.5 | 1104.5 | 1102.3 | 1100.4 | 1098.8 | 1097.2 | 1095.6 | 1094.0 |
| 25° | 1059.4 | 1056.6 | 1053.8 | 1051.1 | 1048.7 | 1046.3 | 1044.0 | 1041.5 |
| 27.5° | 1008.3 | 1004.4 | 1000.4 | 997.3 | 995.0 | 992.7 | 990.4 | 988.1 |
| 30° | 971.9 | 966.9 | 961.8 | 958.4 | 956.4 | 954.4 | 952.4 | 950.5 |
| 32.5° | 936.3 | 930.8 | 925.3 | 921.2 | 918.8 | 916.3 | 913.8 | 911.3 |
| 35° | 881.1 | 874.8 | 868.5 | 863.8 | 860.7 | 857.7 | 854.7 | 851.6 |
| 37.5° | 823.4 | 815.8 | 808.2 | 803.0 | 800.0 | 797.0 | 794.1 | 791.2 |
| 40° | 785.1 | 776.9 | 768.6 | 763.2 | 760.6 | 758.0 | 755.4 | 752.8 |
| 42.5° | 747.5 | 739.6 | 731.7 | 725.8 | 722.0 | 718.1 | 714.3 | 710.5 |
| 45° | 687.4 | 678.7 | 670.0 | 664.0 | 660.7 | 657.5 | 654.2 | 650.9 |
| 47.5° | 627.9 | 619.0 | 610.0 | 603.7 | 600.1 | 596.5 | 592.9 | 589.3 |
| 50° | 587.7 | 578.5 | 569.4 | 563.2 | 560.0 | 556.7 | 553.4 | 550.2 |
| 52.5° | 549.5 | 539.6 | 529.8 | 523.2 | 520.0 | 516.7 | 513.5 | 510.2 |
| 55° | 491.4 | 481.6 | 471.8 | 465.1 | 461.8 | 458.3 | 454.8 | 451.3 |
| 57.5° | 433.3 | 423.8 | 414.2 | 407.8 | 404.7 | 401.6 | 398.6 | 395.5 |
| 60° | 394.9 | 385.3 | 375.8 | 369.4 | 366.1 | 362.9 | 359.6 | 356.3 |
| 62.5° | 357.1 | 348.3 | 339.4 | 333.4 | 330.1 | 326.8 | 323.6 | 320.3 |
| 65° | 301.7 | 293.0 | 284.3 | 278.3 | 275.0 | 271.8 | 268.5 | 265.2 |
| 67.5° | 248.7 | 240.8 | 232.8 | 227.5 | 225.0 | 222.3 | 219.7 | 217.2 |
| 70° | 213.6 | 206.9 | 200.1 | 195.5 | 192.8 | 190.2 | 187.7 | 185.0 |
| 72.5° | 181.0 | 174.7 | 168.5 | 164.6 | 162.8 | 161.1 | 159.4 | 157.6 |
| 75° | 135.3 | 130.5 | 125.7 | 122.6 | 121.0 | 119.5 | 118.0 | 116.5 |
| 77.5° | 96.2 | 92.9 | 89.5 | 87.4 | 86.2 | 85.1 | 84.0 | 82.8 |
| 80° | 72.5 | 70.5 | 68.5 | 67.3 | 66.9 | 66.4 | 66.0 | 65.6 |
| 82.5° | 54.2 | 53.3 | 52.3 | 51.7 | 51.5 | 51.3 | 51.0 | 50.7 |
| 85° | 30.9 | 30.6 | 30.4 | 30.3 | 30.0 | 29.8 | 29.6 | 29.4 |
| 87.5° | 16.2 | 16.5 | 16.8 | 16.9 | 16.9 | 16.9 | 16.9 | 16.8 |
| 90° | 22.2 | 23.6 | 25.0 | 26.0 | 26.9 | 27.6 | 28.5 | 29.3 |
| 92.5° | 22.2 | 23.6 | 25.0 | 25.8 | 26.2 | 26.6 | 27.0 | 27.3 |
| 95° | 22.2 | 23.6 | 25.0 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| 97.5° | 44.8 | 37.1 | 29.4 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| 100° | 131.5 | 91.1 | 50.7 | 30.0 | 28.8 | 27.8 | 26.7 | 25.6 |
| 102.5° | 255.6 | 248.0 | 240.3 | 227.2 | 208.9 | 190.4 | 171.9 | 153.5 |
| 105° | 363.6 | 363.6 | 363.6 | 363.5 | 363.3 | 363.0 | 362.7 | 362.4 |
| 107.5° | 460.4 | 460.5 | 460.5 | 460.1 | 459.3 | 458.5 | 457.7 | 456.9 |
| 110° | 523.1 | 522.4 | 521.5 | 521.2 | 521.5 | 521.8 | 522.1 | 522.4 |



TEST NUMBER: P333694-830

CATALOG NUMBER: S125RDIW-S850D1340U830-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 585.1 | 584.2 | 583.2 | 582.4 | 582.0 | 581.6 | 581.3 | 580.9 |
| 115° | 678.8 | 677.7 | 676.7 | 675.2 | 673.6 | 672.0 | 670.3 | 668.7 |
| 117.5° | 769.2 | 767.8 | 766.4 | 765.3 | 764.6 | 763.9 | 763.2 | 762.5 |
| 120° | 827.6 | 827.0 | 826.4 | 825.5 | 824.2 | 822.7 | 821.4 | 820.1 |
| 122.5° | 883.2 | 882.6 | 882.1 | 881.0 | 879.5 | 877.9 | 876.3 | 874.8 |
| 125° | 964.3 | 963.3 | 962.1 | 961.2 | 960.5 | 959.6 | 958.8 | 958.0 |
| 127.5° | 1038.6 | 1037.9 | 1037.4 | 1036.0 | 1034.1 | 1032.1 | 1030.0 | 1028.0 |
| 130° | 1086.9 | 1086.1 | 1085.3 | 1084.2 | 1082.9 | 1081.5 | 1080.2 | 1078.8 |
| 132.5° | 1132.2 | 1132.0 | 1131.8 | 1131.1 | 1129.7 | 1128.4 | 1127.0 | 1125.7 |
| 135° | 1198.5 | 1198.0 | 1197.4 | 1196.4 | 1194.8 | 1193.1 | 1191.5 | 1189.9 |
| 137.5° | 1260.4 | 1260.5 | 1260.6 | 1259.9 | 1258.5 | 1257.1 | 1255.7 | 1254.2 |
| 140° | 1298.4 | 1298.8 | 1299.4 | 1298.8 | 1297.2 | 1295.6 | 1294.0 | 1292.3 |
| 142.5° | 1335.5 | 1335.7 | 1335.8 | 1335.0 | 1333.3 | 1331.7 | 1330.1 | 1328.5 |
| 145° | 1388.1 | 1388.4 | 1388.6 | 1388.0 | 1386.3 | 1384.7 | 1383.1 | 1381.5 |
| 147.5° | 1433.1 | 1433.4 | 1433.8 | 1432.9 | 1431.0 | 1429.0 | 1427.1 | 1425.1 |
| 150° | 1461.9 | 1462.4 | 1462.9 | 1462.1 | 1459.9 | 1457.7 | 1455.6 | 1453.4 |
| 152.5° | 1487.2 | 1487.8 | 1488.3 | 1487.6 | 1485.6 | 1483.8 | 1481.8 | 1479.8 |
| 155° | 1522.2 | 1523.0 | 1523.8 | 1523.1 | 1521.0 | 1518.8 | 1516.6 | 1514.5 |
| 157.5° | 1551.1 | 1552.0 | 1552.8 | 1552.2 | 1550.0 | 1547.8 | 1545.7 | 1543.5 |
| 160° | 1569.1 | 1570.2 | 1571.3 | 1570.7 | 1568.6 | 1566.4 | 1564.2 | 1562.1 |
| 162.5° | 1585.5 | 1587.1 | 1588.7 | 1588.2 | 1585.8 | 1583.4 | 1581.0 | 1578.7 |
| 165° | 1606.8 | 1608.4 | 1610.1 | 1609.8 | 1607.6 | 1605.4 | 1603.3 | 1601.1 |
| 167.5° | 1622.9 | 1624.8 | 1626.7 | 1626.5 | 1624.0 | 1621.6 | 1619.2 | 1616.7 |
| 170° | 1631.1 | 1633.2 | 1635.4 | 1635.3 | 1632.9 | 1630.4 | 1628.0 | 1625.5 |
| 172.5° | 1637.5 | 1639.5 | 1641.3 | 1641.2 | 1638.7 | 1636.3 | 1633.8 | 1631.4 |
| 175° | 1644.5 | 1646.6 | 1648.8 | 1648.7 | 1646.2 | 1643.8 | 1641.3 | 1638.9 |
| 177.5° | 1647.4 | 1648.9 | 1650.4 | 1650.3 | 1648.5 | 1646.8 | 1645.0 | 1643.3 |
| 180° | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 | 1646.2 |

(END OF REPORT)