

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: P333698-940

Luminaire Tested: **S125RDIW-S850D1560U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333698-940
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-S850D1560U940-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8461.2 lumens
Efficiency: N/A
Efficacy: 124.2 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

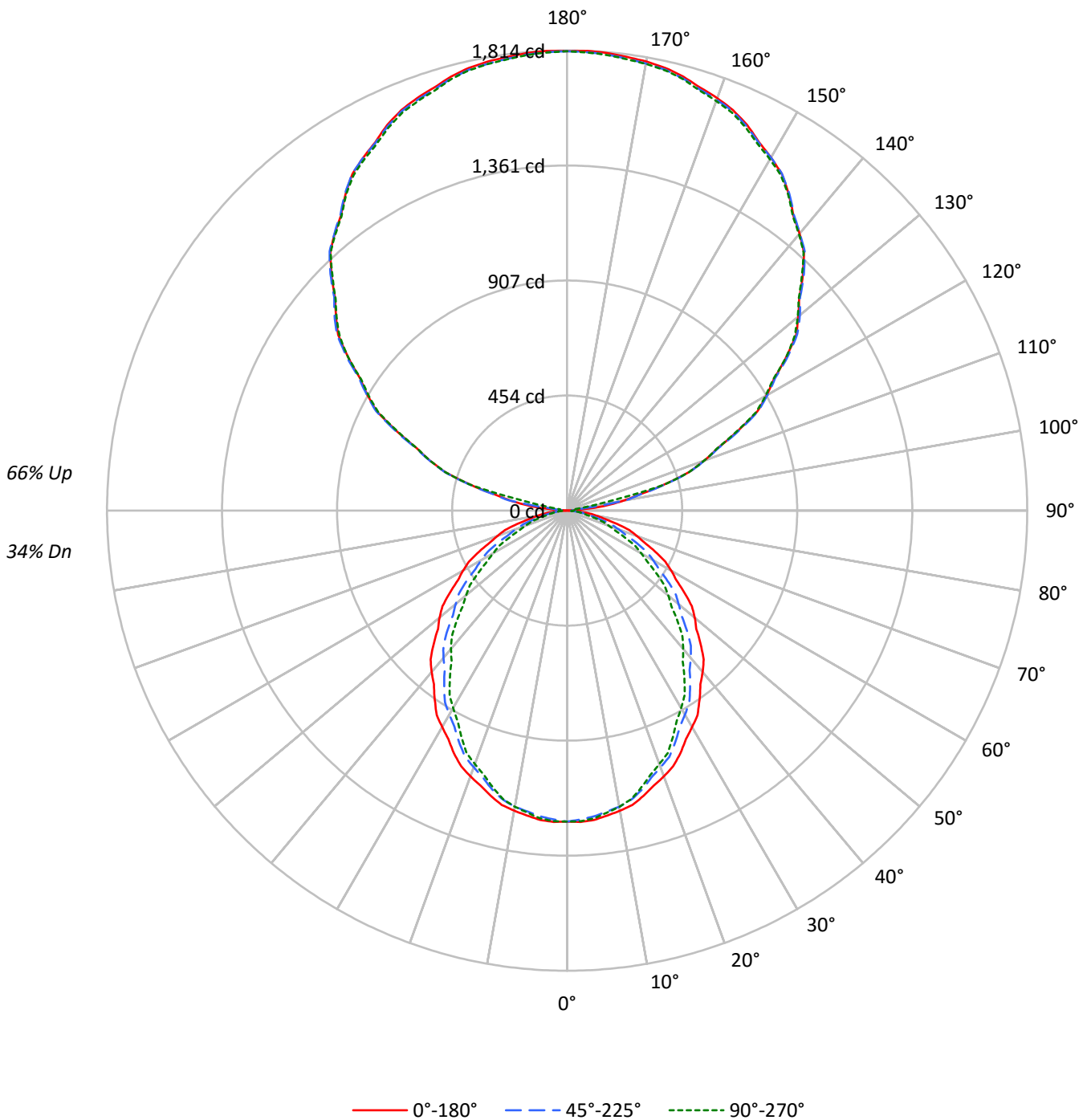
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 57 | 57 | 57 | 42 | 42 | 42 | 34 |
| 1 | 94 | 90 | 87 | 83 | 85 | 82 | 79 | 76 | 66 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 35 | 29 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 67 | 62 | 58 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 |
| 3 | 79 | 69 | 62 | 57 | 71 | 63 | 57 | 52 | 51 | 47 | 43 | 40 | 37 | 34 | 29 | 27 | 26 | 21 |
| 4 | 72 | 61 | 54 | 48 | 65 | 56 | 49 | 44 | 45 | 40 | 37 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |
| 5 | 66 | 55 | 47 | 41 | 59 | 50 | 43 | 38 | 40 | 35 | 32 | 32 | 28 | 25 | 24 | 21 | 19 | 16 |
| 6 | 61 | 49 | 41 | 36 | 55 | 45 | 38 | 33 | 36 | 31 | 28 | 29 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7 | 56 | 44 | 36 | 31 | 50 | 40 | 34 | 29 | 33 | 28 | 24 | 26 | 22 | 20 | 20 | 17 | 15 | 12 |
| 8 | 52 | 40 | 33 | 27 | 47 | 37 | 30 | 25 | 30 | 25 | 21 | 24 | 20 | 18 | 18 | 15 | 14 | 11 |
| 9 | 48 | 36 | 29 | 24 | 44 | 33 | 27 | 23 | 27 | 23 | 19 | 22 | 18 | 16 | 17 | 14 | 12 | 10 |
| 10 | 45 | 33 | 26 | 22 | 41 | 31 | 24 | 20 | 25 | 20 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7919 | 7919 | 7919 |
| 5° | 7937 | 7847 | 7895 |
| 10° | 7877 | 7774 | 7774 |
| 15° | 7783 | 7616 | 7554 |
| 20° | 7663 | 7396 | 7307 |
| 25° | 7524 | 7180 | 7021 |
| 30° | 7348 | 6927 | 6706 |
| 35° | 7171 | 6666 | 6352 |
| 40° | 7003 | 6395 | 6004 |
| 45° | 6801 | 6090 | 5624 |
| 50° | 6597 | 5760 | 5230 |
| 55° | 6361 | 5443 | 4808 |
| 60° | 6124 | 5059 | 4354 |
| 65° | 5845 | 4614 | 3834 |
| 70° | 5527 | 4056 | 3305 |
| 75° | 5085 | 3421 | 2750 |
| 80° | 4478 | 2685 | 2310 |
| 85° | 3772 | 2193 | 2060 |



TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 115.3 | 1.4 |
| 10°-20° | 322.2 | 3.8 |
| 20°-30° | 467.2 | 5.5 |
| 30°-40° | 532.5 | 6.3 |
| 40°-50° | 519.1 | 6.1 |
| 50°-60° | 436.9 | 5.2 |
| 60°-70° | 306.3 | 3.6 |
| 70°-80° | 157.4 | 1.9 |
| 80°-90° | 43.5 | 0.5 |
| 90°-100° | 65.8 | 0.8 |
| 100°-110° | 405.6 | 4.8 |
| 110°-120° | 735.5 | 8.7 |
| 120°-130° | 944.0 | 11.2 |
| 130°-140° | 1015.3 | 12.0 |
| 140°-150° | 953.0 | 11.3 |
| 150°-160° | 770.9 | 9.1 |
| 160°-170° | 498.6 | 5.9 |
| 170°-180° | 172.0 | 2.0 |
| 0°-30° | 904.7 | 10.7 |
| 0°-40° | 1437.3 | 17.0 |
| 0°-60° | 2393.2 | 28.3 |
| 0°-90° | 2900.5 | 34.3 |
| 90°-120° | 1206.9 | 14.3 |
| 90°-150° | 4119.2 | 48.7 |
| 90°-180° | 5561.0 | 65.7 |
| 0°-180° | 8461.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1226 | 1226 | 1226 | 1226 | 1226 | |
| 5° | 1224 | 1220 | 1210 | 1219 | 1218 | 116 |
| 15° | 1164 | 1158 | 1139 | 1138 | 1130 | 328 |
| 25° | 1056 | 1041 | 1008 | 996 | 985 | 486 |
| 35° | 910 | 886 | 846 | 819 | 806 | 569 |
| 45° | 745 | 716 | 667 | 631 | 616 | 574 |
| 55° | 565 | 534 | 483 | 443 | 427 | 505 |
| 65° | 382 | 350 | 302 | 266 | 251 | 379 |
| 75° | 204 | 175 | 137 | 118 | 110 | 216 |
| 85° | 51 | 35 | 30 | 29 | 28 | 57 |
| 90° | 1 | 12 | 22 | 28 | 32 | 6 |
| 95° | 76 | 70 | 22 | 28 | 28 | 97 |
| 105° | 395 | 400 | 400 | 400 | 399 | 418 |
| 115° | 741 | 747 | 749 | 744 | 736 | 734 |
| 125° | 1054 | 1063 | 1063 | 1058 | 1054 | 941 |
| 135° | 1314 | 1322 | 1320 | 1316 | 1309 | 1013 |
| 145° | 1524 | 1526 | 1526 | 1527 | 1520 | 952 |
| 155° | 1678 | 1670 | 1673 | 1676 | 1666 | 773 |
| 165° | 1771 | 1763 | 1764 | 1771 | 1761 | 500 |
| 175° | 1811 | 1803 | 1804 | 1814 | 1803 | 172 |
| 180° | 1811 | 1811 | 1811 | 1811 | 1811 | |



TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 |
| 2.5° | 1228.3 | 1227.9 | 1227.4 | 1226.9 | 1226.4 | 1225.3 | 1223.7 | 1222.0 | 1220.4 | 1218.7 | 1220.4 |
| 5° | 1224.3 | 1223.5 | 1222.6 | 1221.8 | 1221.0 | 1219.5 | 1217.2 | 1215.0 | 1212.6 | 1210.4 | 1212.5 |
| 7.5° | 1212.3 | 1211.5 | 1210.7 | 1209.9 | 1209.2 | 1207.4 | 1204.7 | 1201.9 | 1199.3 | 1196.5 | 1197.9 |
| 10° | 1201.1 | 1200.5 | 1199.9 | 1199.3 | 1198.6 | 1196.9 | 1194.1 | 1191.1 | 1188.3 | 1185.4 | 1186.0 |
| 12.5° | 1188.6 | 1187.8 | 1187.0 | 1186.2 | 1185.4 | 1183.1 | 1179.2 | 1175.4 | 1171.5 | 1167.6 | 1168.1 |
| 15° | 1164.1 | 1162.9 | 1161.6 | 1160.4 | 1159.1 | 1156.4 | 1152.1 | 1147.7 | 1143.4 | 1139.1 | 1138.9 |
| 17.5° | 1136.5 | 1134.6 | 1132.7 | 1130.9 | 1128.9 | 1125.2 | 1119.8 | 1114.4 | 1108.9 | 1103.5 | 1102.5 |
| 20° | 1115.0 | 1112.9 | 1110.9 | 1108.8 | 1106.8 | 1102.4 | 1095.9 | 1089.3 | 1082.7 | 1076.1 | 1075.1 |
| 22.5° | 1091.3 | 1089.2 | 1087.2 | 1085.1 | 1083.1 | 1078.6 | 1071.7 | 1064.8 | 1057.8 | 1051.0 | 1048.9 |
| 25° | 1055.8 | 1052.7 | 1049.5 | 1046.5 | 1043.4 | 1038.0 | 1030.5 | 1022.8 | 1015.2 | 1007.6 | 1005.0 |
| 27.5° | 1015.0 | 1011.3 | 1007.5 | 1003.8 | 1000.1 | 994.1 | 986.0 | 977.8 | 969.6 | 961.4 | 957.7 |
| 30° | 985.3 | 981.4 | 977.6 | 973.7 | 969.7 | 963.4 | 954.8 | 946.2 | 937.5 | 928.9 | 924.2 |
| 32.5° | 956.4 | 951.9 | 947.4 | 942.8 | 938.2 | 931.5 | 922.7 | 913.9 | 905.1 | 896.3 | 891.1 |
| 35° | 909.5 | 904.5 | 899.6 | 894.6 | 889.7 | 882.5 | 873.3 | 864.1 | 854.8 | 845.5 | 839.5 |
| 37.5° | 863.3 | 857.3 | 851.3 | 845.3 | 839.3 | 831.5 | 822.0 | 812.3 | 802.8 | 793.3 | 786.1 |
| 40° | 830.7 | 824.6 | 818.3 | 812.2 | 806.0 | 798.0 | 788.1 | 778.2 | 768.4 | 758.5 | 750.6 |
| 42.5° | 796.7 | 790.3 | 784.0 | 777.6 | 771.2 | 763.0 | 752.8 | 742.6 | 732.4 | 722.2 | 714.7 |
| 45° | 744.6 | 738.6 | 732.6 | 726.7 | 720.7 | 712.0 | 700.7 | 689.5 | 678.1 | 666.8 | 658.5 |
| 47.5° | 690.7 | 684.4 | 678.1 | 671.8 | 665.5 | 656.7 | 645.2 | 633.8 | 622.4 | 611.0 | 602.5 |
| 50° | 656.6 | 649.8 | 643.0 | 636.2 | 629.5 | 620.2 | 608.4 | 596.7 | 585.0 | 573.3 | 564.6 |
| 52.5° | 619.6 | 612.6 | 605.6 | 598.7 | 591.7 | 582.7 | 571.7 | 560.6 | 549.5 | 538.4 | 529.1 |
| 55° | 564.9 | 558.3 | 551.8 | 545.2 | 538.6 | 529.5 | 518.0 | 506.5 | 495.0 | 483.4 | 474.1 |
| 57.5° | 509.7 | 502.7 | 495.6 | 488.6 | 481.6 | 472.5 | 461.4 | 450.2 | 439.2 | 428.0 | 419.0 |
| 60° | 474.1 | 467.0 | 459.8 | 452.5 | 445.3 | 436.2 | 425.1 | 413.9 | 402.9 | 391.7 | 382.7 |
| 62.5° | 436.4 | 429.5 | 422.7 | 415.7 | 408.8 | 399.8 | 388.5 | 377.3 | 366.0 | 354.7 | 346.3 |
| 65° | 382.5 | 375.5 | 368.5 | 361.5 | 354.5 | 345.5 | 334.7 | 323.7 | 312.8 | 301.9 | 293.6 |
| 67.5° | 329.0 | 321.9 | 315.0 | 308.0 | 301.0 | 292.2 | 281.8 | 271.3 | 260.9 | 250.4 | 242.9 |
| 70° | 292.7 | 285.6 | 278.7 | 271.6 | 264.7 | 256.0 | 245.8 | 235.4 | 225.2 | 214.8 | 208.5 |
| 72.5° | 257.1 | 250.2 | 243.4 | 236.6 | 229.8 | 221.5 | 211.9 | 202.2 | 192.6 | 183.0 | 177.1 |
| 75° | 203.8 | 197.6 | 191.4 | 185.2 | 179.1 | 171.7 | 163.0 | 154.4 | 145.7 | 137.1 | 132.5 |
| 77.5° | 150.8 | 145.8 | 140.9 | 136.0 | 131.0 | 125.1 | 118.2 | 111.3 | 104.3 | 97.5 | 94.3 |
| 80° | 120.4 | 115.5 | 110.5 | 105.6 | 100.7 | 95.3 | 89.5 | 83.7 | 78.0 | 72.2 | 70.4 |
| 82.5° | 90.8 | 86.3 | 81.9 | 77.4 | 72.9 | 68.8 | 64.8 | 60.9 | 56.9 | 53.0 | 52.1 |
| 85° | 50.9 | 47.3 | 43.5 | 39.9 | 36.1 | 33.7 | 32.7 | 31.7 | 30.7 | 29.6 | 29.4 |
| 87.5° | 17.3 | 16.7 | 16.0 | 15.2 | 14.6 | 14.4 | 14.6 | 14.9 | 15.2 | 15.4 | 15.7 |
| 90° | 1.3 | 3.7 | 6.2 | 8.5 | 10.9 | 13.1 | 15.2 | 17.3 | 19.4 | 21.5 | 23.0 |
| 92.5° | 20.7 | 19.0 | 17.3 | 15.7 | 14.0 | 14.1 | 16.0 | 17.7 | 19.6 | 21.5 | 23.0 |
| 95° | 76.5 | 75.6 | 74.7 | 73.8 | 72.9 | 66.8 | 55.5 | 44.1 | 32.8 | 21.5 | 23.0 |
| 97.5° | 159.7 | 161.3 | 162.9 | 164.6 | 166.2 | 155.8 | 133.3 | 110.9 | 88.5 | 66.1 | 57.6 |
| 100° | 224.2 | 225.1 | 226.0 | 226.9 | 227.7 | 228.8 | 230.0 | 231.2 | 232.4 | 233.5 | 189.1 |
| 102.5° | 289.7 | 290.8 | 291.9 | 293.1 | 294.2 | 295.2 | 295.9 | 296.6 | 297.3 | 298.0 | 289.6 |
| 105° | 394.7 | 395.8 | 397.1 | 398.2 | 399.4 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
| 107.5° | 503.6 | 503.6 | 503.6 | 503.6 | 503.6 | 503.9 | 504.5 | 505.2 | 505.8 | 506.3 | 506.4 |
| 110° | 574.5 | 574.5 | 574.5 | 574.5 | 574.5 | 574.8 | 575.4 | 576.0 | 576.6 | 577.2 | 576.3 |



TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 641.1 | 641.9 | 642.6 | 643.3 | 644.0 | 644.5 | 644.9 | 645.2 | 645.6 | 646.0 | 644.8 |
| 115° | 741.0 | 742.4 | 744.0 | 745.5 | 746.9 | 747.8 | 748.1 | 748.4 | 748.8 | 749.0 | 747.8 |
| 117.5° | 844.4 | 844.3 | 844.2 | 844.2 | 844.1 | 844.6 | 845.8 | 846.9 | 848.0 | 849.2 | 847.6 |
| 120° | 908.7 | 908.5 | 908.2 | 907.9 | 907.6 | 907.9 | 908.7 | 909.6 | 910.5 | 911.4 | 910.9 |
| 122.5° | 965.7 | 966.8 | 968.0 | 969.1 | 970.2 | 971.0 | 971.4 | 971.8 | 972.2 | 972.7 | 972.1 |
| 125° | 1053.7 | 1055.8 | 1057.9 | 1060.0 | 1062.1 | 1063.1 | 1063.1 | 1063.1 | 1063.1 | 1063.1 | 1061.9 |
| 127.5° | 1137.7 | 1139.2 | 1140.8 | 1142.3 | 1143.7 | 1144.4 | 1144.2 | 1144.1 | 1143.9 | 1143.7 | 1143.0 |
| 130° | 1189.3 | 1190.8 | 1192.3 | 1193.8 | 1195.2 | 1196.1 | 1196.5 | 1196.8 | 1197.0 | 1197.4 | 1196.5 |
| 132.5° | 1240.8 | 1242.6 | 1244.3 | 1246.1 | 1247.8 | 1248.3 | 1247.7 | 1247.0 | 1246.3 | 1245.7 | 1245.5 |
| 135° | 1314.1 | 1315.9 | 1317.8 | 1319.6 | 1321.3 | 1321.9 | 1321.3 | 1320.7 | 1320.1 | 1319.6 | 1318.9 |
| 137.5° | 1381.5 | 1383.0 | 1384.6 | 1386.2 | 1387.8 | 1388.2 | 1387.7 | 1387.1 | 1386.6 | 1386.1 | 1386.3 |
| 140° | 1425.6 | 1426.2 | 1426.7 | 1427.4 | 1428.0 | 1428.1 | 1427.8 | 1427.5 | 1427.2 | 1426.9 | 1427.5 |
| 142.5° | 1465.3 | 1465.6 | 1466.0 | 1466.3 | 1466.7 | 1467.1 | 1467.6 | 1467.9 | 1468.4 | 1468.8 | 1468.9 |
| 145° | 1523.6 | 1524.1 | 1524.7 | 1525.4 | 1526.0 | 1526.3 | 1526.3 | 1526.3 | 1526.3 | 1526.3 | 1526.5 |
| 147.5° | 1574.6 | 1574.4 | 1574.3 | 1574.2 | 1574.0 | 1574.2 | 1574.6 | 1574.9 | 1575.3 | 1575.7 | 1576.0 |
| 150° | 1606.8 | 1606.1 | 1605.6 | 1605.0 | 1604.4 | 1604.4 | 1605.0 | 1605.6 | 1606.1 | 1606.8 | 1607.4 |
| 152.5° | 1637.9 | 1636.6 | 1635.3 | 1634.0 | 1632.6 | 1632.3 | 1632.9 | 1633.5 | 1634.1 | 1634.7 | 1635.3 |
| 155° | 1677.9 | 1676.1 | 1674.4 | 1672.6 | 1670.8 | 1670.2 | 1670.8 | 1671.3 | 1672.0 | 1672.6 | 1673.5 |
| 157.5° | 1708.8 | 1707.7 | 1706.6 | 1705.6 | 1704.5 | 1704.0 | 1704.1 | 1704.1 | 1704.1 | 1704.2 | 1705.2 |
| 160° | 1730.3 | 1728.5 | 1726.7 | 1724.9 | 1723.1 | 1722.3 | 1722.7 | 1723.0 | 1723.2 | 1723.6 | 1724.7 |
| 162.5° | 1747.5 | 1745.7 | 1743.9 | 1742.0 | 1740.3 | 1739.5 | 1739.8 | 1740.2 | 1740.4 | 1740.7 | 1742.4 |
| 165° | 1770.6 | 1768.8 | 1766.9 | 1765.1 | 1763.4 | 1762.6 | 1762.9 | 1763.3 | 1763.5 | 1763.8 | 1765.6 |
| 167.5° | 1787.7 | 1785.9 | 1784.0 | 1782.2 | 1780.3 | 1779.6 | 1779.9 | 1780.1 | 1780.5 | 1780.7 | 1782.9 |
| 170° | 1797.4 | 1795.3 | 1793.2 | 1791.1 | 1789.0 | 1788.1 | 1788.4 | 1788.8 | 1789.0 | 1789.3 | 1791.7 |
| 172.5° | 1803.8 | 1801.8 | 1799.7 | 1797.6 | 1795.5 | 1794.7 | 1795.3 | 1795.8 | 1796.4 | 1796.9 | 1799.0 |
| 175° | 1810.8 | 1809.0 | 1807.2 | 1805.4 | 1803.7 | 1803.0 | 1803.2 | 1803.5 | 1803.8 | 1804.1 | 1806.5 |
| 177.5° | 1814.0 | 1812.6 | 1811.2 | 1809.7 | 1808.3 | 1807.7 | 1807.9 | 1808.2 | 1808.4 | 1808.7 | 1810.4 |
| 180° | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 |



TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 | 1226.2 |
| 2.5° | 1222.0 | 1223.7 | 1225.3 | 1226.1 | 1225.9 | 1225.7 | 1225.6 | 1225.4 |
| 5° | 1214.5 | 1216.6 | 1218.6 | 1219.5 | 1219.1 | 1218.6 | 1218.3 | 1217.8 |
| 7.5° | 1199.4 | 1200.9 | 1202.3 | 1202.7 | 1202.3 | 1201.8 | 1201.4 | 1201.0 |
| 10° | 1186.6 | 1187.2 | 1187.8 | 1187.8 | 1187.2 | 1186.6 | 1186.0 | 1185.4 |
| 12.5° | 1168.5 | 1168.9 | 1169.4 | 1169.2 | 1168.2 | 1167.2 | 1166.4 | 1165.4 |
| 15° | 1138.7 | 1138.4 | 1138.3 | 1137.3 | 1135.4 | 1133.5 | 1131.7 | 1129.8 |
| 17.5° | 1101.4 | 1100.5 | 1099.4 | 1098.1 | 1096.6 | 1095.1 | 1093.6 | 1092.1 |
| 20° | 1074.1 | 1073.0 | 1072.0 | 1070.6 | 1068.7 | 1066.8 | 1065.0 | 1063.2 |
| 22.5° | 1046.9 | 1044.9 | 1042.9 | 1041.1 | 1039.6 | 1038.0 | 1036.5 | 1035.0 |
| 25° | 1002.3 | 999.6 | 996.9 | 994.4 | 992.1 | 989.9 | 987.7 | 985.3 |
| 27.5° | 954.0 | 950.2 | 946.5 | 943.5 | 941.4 | 939.1 | 937.0 | 934.8 |
| 30° | 919.4 | 914.7 | 909.9 | 906.7 | 904.8 | 902.9 | 901.1 | 899.2 |
| 32.5° | 885.8 | 880.6 | 875.4 | 871.6 | 869.2 | 866.9 | 864.5 | 862.2 |
| 35° | 833.6 | 827.6 | 821.6 | 817.3 | 814.3 | 811.5 | 808.6 | 805.7 |
| 37.5° | 779.0 | 771.8 | 764.6 | 759.6 | 756.9 | 754.0 | 751.3 | 748.5 |
| 40° | 742.8 | 735.0 | 727.2 | 722.0 | 719.6 | 717.1 | 714.6 | 712.2 |
| 42.5° | 707.2 | 699.7 | 692.2 | 686.6 | 683.1 | 679.4 | 675.7 | 672.2 |
| 45° | 650.3 | 642.1 | 633.8 | 628.2 | 625.1 | 622.1 | 618.9 | 615.8 |
| 47.5° | 594.1 | 585.6 | 577.1 | 571.1 | 567.8 | 564.4 | 560.9 | 557.5 |
| 50° | 556.0 | 547.3 | 538.7 | 532.8 | 529.8 | 526.6 | 523.5 | 520.5 |
| 52.5° | 519.9 | 510.5 | 501.2 | 495.0 | 492.0 | 488.8 | 485.8 | 482.7 |
| 55° | 464.9 | 455.7 | 446.4 | 440.1 | 436.8 | 433.5 | 430.3 | 427.0 |
| 57.5° | 409.9 | 400.9 | 391.8 | 385.8 | 382.9 | 380.0 | 377.1 | 374.2 |
| 60° | 373.6 | 364.5 | 355.5 | 349.5 | 346.3 | 343.3 | 340.2 | 337.1 |
| 62.5° | 337.9 | 329.5 | 321.1 | 315.4 | 312.3 | 309.2 | 306.1 | 303.0 |
| 65° | 285.4 | 277.2 | 268.9 | 263.3 | 260.2 | 257.2 | 254.0 | 250.9 |
| 67.5° | 235.3 | 227.8 | 220.3 | 215.3 | 212.9 | 210.4 | 207.9 | 205.5 |
| 70° | 202.1 | 195.7 | 189.3 | 184.9 | 182.4 | 179.9 | 177.5 | 175.0 |
| 72.5° | 171.2 | 165.3 | 159.4 | 155.7 | 154.0 | 152.4 | 150.8 | 149.1 |
| 75° | 128.0 | 123.5 | 119.0 | 116.0 | 114.5 | 113.1 | 111.6 | 110.2 |
| 77.5° | 91.0 | 87.9 | 84.7 | 82.7 | 81.6 | 80.5 | 79.5 | 78.4 |
| 80° | 68.6 | 66.7 | 64.8 | 63.7 | 63.3 | 62.9 | 62.4 | 62.1 |
| 82.5° | 51.3 | 50.4 | 49.5 | 49.0 | 48.7 | 48.5 | 48.2 | 48.0 |
| 85° | 29.2 | 29.0 | 28.8 | 28.6 | 28.4 | 28.2 | 28.0 | 27.8 |
| 87.5° | 16.0 | 16.3 | 16.6 | 16.8 | 16.8 | 16.8 | 16.8 | 16.9 |
| 90° | 24.4 | 25.9 | 27.5 | 28.6 | 29.5 | 30.4 | 31.3 | 32.2 |
| 92.5° | 24.4 | 25.9 | 27.5 | 28.4 | 28.8 | 29.2 | 29.7 | 30.1 |
| 95° | 24.4 | 25.9 | 27.5 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 |
| 97.5° | 49.2 | 40.8 | 32.4 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 |
| 100° | 144.6 | 100.2 | 55.8 | 33.0 | 31.7 | 30.6 | 29.4 | 28.2 |
| 102.5° | 281.2 | 272.8 | 264.4 | 250.0 | 229.7 | 209.5 | 189.1 | 168.9 |
| 105° | 400.0 | 400.0 | 400.0 | 399.8 | 399.6 | 399.3 | 399.0 | 398.7 |
| 107.5° | 506.5 | 506.5 | 506.6 | 506.1 | 505.2 | 504.4 | 503.5 | 502.6 |
| 110° | 575.4 | 574.5 | 573.6 | 573.4 | 573.6 | 573.9 | 574.3 | 574.5 |



TEST NUMBER: P333698-940

CATALOG NUMBER: S125RDIW-S850D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 643.6 | 642.6 | 641.4 | 640.6 | 640.2 | 639.8 | 639.4 | 638.9 |
| 115° | 746.6 | 745.5 | 744.2 | 742.8 | 741.0 | 739.1 | 737.4 | 735.6 |
| 117.5° | 846.1 | 844.5 | 842.9 | 841.8 | 841.1 | 840.3 | 839.5 | 838.7 |
| 120° | 910.3 | 909.6 | 909.1 | 908.0 | 906.5 | 905.0 | 903.6 | 902.1 |
| 122.5° | 971.4 | 970.9 | 970.3 | 969.1 | 967.4 | 965.6 | 963.9 | 962.2 |
| 125° | 1060.8 | 1059.5 | 1058.4 | 1057.3 | 1056.4 | 1055.5 | 1054.6 | 1053.7 |
| 127.5° | 1142.4 | 1141.7 | 1141.0 | 1139.6 | 1137.4 | 1135.2 | 1133.0 | 1130.8 |
| 130° | 1195.6 | 1194.7 | 1193.8 | 1192.6 | 1191.1 | 1189.6 | 1188.1 | 1186.6 |
| 132.5° | 1245.4 | 1245.2 | 1245.0 | 1244.1 | 1242.7 | 1241.2 | 1239.7 | 1238.1 |
| 135° | 1318.3 | 1317.8 | 1317.1 | 1315.9 | 1314.1 | 1312.3 | 1310.5 | 1308.8 |
| 137.5° | 1386.3 | 1386.4 | 1386.6 | 1385.9 | 1384.3 | 1382.8 | 1381.2 | 1379.7 |
| 140° | 1428.1 | 1428.7 | 1429.3 | 1428.7 | 1426.9 | 1425.1 | 1423.3 | 1421.6 |
| 142.5° | 1469.0 | 1469.2 | 1469.3 | 1468.5 | 1466.6 | 1464.8 | 1463.0 | 1461.2 |
| 145° | 1526.9 | 1527.1 | 1527.4 | 1526.7 | 1524.9 | 1523.1 | 1521.3 | 1519.6 |
| 147.5° | 1576.4 | 1576.7 | 1577.1 | 1576.2 | 1574.0 | 1571.9 | 1569.8 | 1567.6 |
| 150° | 1607.9 | 1608.6 | 1609.2 | 1608.3 | 1605.9 | 1603.5 | 1601.2 | 1598.7 |
| 152.5° | 1635.9 | 1636.5 | 1637.1 | 1636.3 | 1634.1 | 1632.0 | 1629.9 | 1627.7 |
| 155° | 1674.4 | 1675.3 | 1676.1 | 1675.3 | 1673.0 | 1670.6 | 1668.2 | 1665.8 |
| 157.5° | 1706.1 | 1707.1 | 1708.1 | 1707.4 | 1705.0 | 1702.5 | 1700.1 | 1697.8 |
| 160° | 1725.9 | 1727.2 | 1728.3 | 1727.8 | 1725.4 | 1723.0 | 1720.6 | 1718.2 |
| 162.5° | 1744.1 | 1745.8 | 1747.4 | 1747.0 | 1744.4 | 1741.7 | 1739.1 | 1736.4 |
| 165° | 1767.4 | 1769.2 | 1771.0 | 1770.7 | 1768.4 | 1765.9 | 1763.5 | 1761.1 |
| 167.5° | 1785.0 | 1787.2 | 1789.3 | 1789.0 | 1786.4 | 1783.7 | 1781.0 | 1778.3 |
| 170° | 1794.1 | 1796.5 | 1798.8 | 1798.8 | 1796.1 | 1793.4 | 1790.6 | 1788.0 |
| 172.5° | 1801.2 | 1803.3 | 1805.4 | 1805.2 | 1802.5 | 1799.8 | 1797.2 | 1794.5 |
| 175° | 1808.8 | 1811.2 | 1813.7 | 1813.5 | 1810.8 | 1808.1 | 1805.4 | 1802.8 |
| 177.5° | 1812.0 | 1813.7 | 1815.3 | 1815.3 | 1813.3 | 1811.4 | 1809.5 | 1807.6 |
| 180° | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 | 1810.8 |

(END OF REPORT)