

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: P333423

Luminaire Tested: **S125DIW-S850D1340U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333423
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S850D1340U835-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8070.9 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

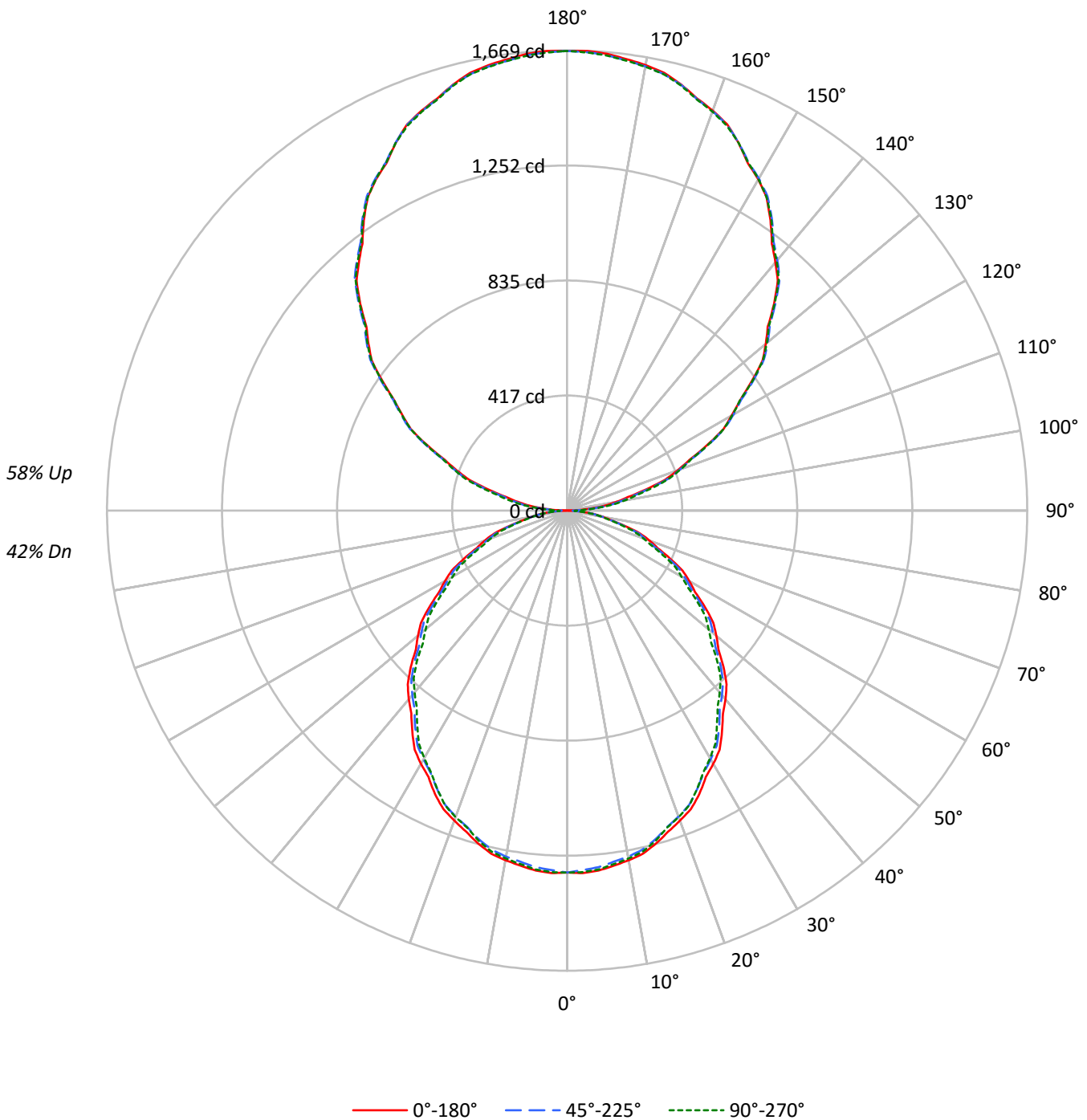
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-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 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 49 | 49 | 49 | 42 |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 78 | 69 | 67 | 65 | 56 | 54 | 53 | 43 | 42 | 41 | 36 |
| 2 | 87 | 80 | 74 | 69 | 80 | 73 | 68 | 64 | 61 | 57 | 54 | 49 | 46 | 44 | 38 | 36 | 35 | 30 |
| 3 | 80 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 53 | 49 | 45 | 43 | 40 | 37 | 34 | 31 | 30 | 25 |
| 4 | 73 | 62 | 54 | 48 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 35 | 32 | 30 | 28 | 25 | 22 |
| 5 | 67 | 55 | 47 | 41 | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 34 | 31 | 27 | 27 | 24 | 22 | 19 |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 33 | 38 | 33 | 29 | 31 | 27 | 24 | 25 | 22 | 19 | 16 |
| 7 | 57 | 45 | 37 | 31 | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 28 | 24 | 21 | 22 | 20 | 17 | 15 |
| 8 | 53 | 41 | 33 | 28 | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 21 | 18 | 15 | 13 |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 26 | 21 | 18 | 22 | 18 | 15 | 18 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8478 | 8478 | 8478 |
| 5° | 8497 | 8416 | 8470 |
| 10° | 8445 | 8357 | 8405 |
| 15° | 8354 | 8256 | 8291 |
| 20° | 8223 | 8115 | 8130 |
| 25° | 8082 | 7948 | 7941 |
| 30° | 7908 | 7768 | 7730 |
| 35° | 7722 | 7574 | 7468 |
| 40° | 7530 | 7363 | 7259 |
| 45° | 7323 | 7172 | 7029 |
| 50° | 7095 | 6939 | 6731 |
| 55° | 6876 | 6677 | 6490 |
| 60° | 6613 | 6412 | 6185 |
| 65° | 6301 | 6094 | 5888 |
| 70° | 6001 | 5727 | 5531 |
| 75° | 5467 | 5288 | 5105 |
| 80° | 4868 | 4790 | 4675 |
| 85° | 4231 | 4313 | 4076 |



TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 123.8 | 1.5 |
| 10°-20° | 349.6 | 4.3 |
| 20°-30° | 516.2 | 6.4 |
| 30°-40° | 602.4 | 7.5 |
| 40°-50° | 605.0 | 7.5 |
| 50°-60° | 531.1 | 6.6 |
| 60°-70° | 395.7 | 4.9 |
| 70°-80° | 226.3 | 2.8 |
| 80°-90° | 69.5 | 0.9 |
| 90°-100° | 111.6 | 1.4 |
| 100°-110° | 329.7 | 4.1 |
| 110°-120° | 558.4 | 6.9 |
| 120°-130° | 734.9 | 9.1 |
| 130°-140° | 823.5 | 10.2 |
| 140°-150° | 807.1 | 10.0 |
| 150°-160° | 677.9 | 8.4 |
| 160°-170° | 450.6 | 5.6 |
| 170°-180° | 157.7 | 2.0 |
| 0°-30° | 989.7 | 12.3 |
| 0°-40° | 1592.1 | 19.7 |
| 0°-60° | 2728.2 | 33.8 |
| 0°-90° | 3419.6 | 42.4 |
| 90°-120° | 999.7 | 12.4 |
| 90°-150° | 3365.1 | 41.7 |
| 90°-180° | 4651.0 | 57.6 |
| 0°-180° | 8070.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1313 | 1313 | 1313 | 1313 | 1313 | |
| 5° | 1311 | 1308 | 1298 | 1307 | 1306 | 124 |
| 15° | 1249 | 1246 | 1235 | 1240 | 1240 | 352 |
| 25° | 1134 | 1128 | 1115 | 1117 | 1114 | 522 |
| 35° | 979 | 975 | 961 | 955 | 947 | 612 |
| 45° | 802 | 797 | 785 | 773 | 770 | 618 |
| 55° | 611 | 607 | 593 | 584 | 576 | 545 |
| 65° | 412 | 410 | 399 | 390 | 385 | 409 |
| 75° | 219 | 217 | 212 | 209 | 205 | 234 |
| 85° | 57 | 58 | 58 | 57 | 55 | 64 |
| 90° | 1 | 12 | 21 | 27 | 31 | 8 |
| 95° | 84 | 88 | 100 | 109 | 112 | 90 |
| 105° | 296 | 302 | 310 | 318 | 322 | 316 |
| 115° | 559 | 564 | 567 | 566 | 564 | 553 |
| 125° | 816 | 823 | 825 | 822 | 821 | 730 |
| 135° | 1061 | 1068 | 1070 | 1070 | 1065 | 818 |
| 145° | 1286 | 1291 | 1295 | 1294 | 1291 | 803 |
| 155° | 1471 | 1471 | 1472 | 1477 | 1471 | 677 |
| 165° | 1599 | 1597 | 1598 | 1603 | 1596 | 451 |
| 175° | 1663 | 1658 | 1658 | 1665 | 1656 | 158 |
| 180° | 1667 | 1667 | 1667 | 1667 | 1667 | |



TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 |
| 2.5° | 1316.1 | 1315.5 | 1315.0 | 1314.4 | 1313.8 | 1312.6 | 1310.8 | 1309.0 | 1307.1 | 1305.3 | 1307.1 |
| 5° | 1310.7 | 1310.2 | 1309.7 | 1309.3 | 1308.8 | 1307.4 | 1305.1 | 1302.8 | 1300.5 | 1298.2 | 1300.3 |
| 7.5° | 1298.6 | 1298.2 | 1297.7 | 1297.2 | 1296.8 | 1295.3 | 1292.7 | 1290.2 | 1287.7 | 1285.1 | 1287.1 |
| 10° | 1287.8 | 1287.4 | 1286.9 | 1286.4 | 1286.0 | 1284.5 | 1281.9 | 1279.4 | 1276.9 | 1274.3 | 1276.2 |
| 12.5° | 1274.5 | 1273.7 | 1272.9 | 1272.0 | 1271.2 | 1269.6 | 1267.3 | 1264.9 | 1262.5 | 1260.2 | 1261.7 |
| 15° | 1249.4 | 1248.7 | 1248.0 | 1247.3 | 1246.6 | 1245.0 | 1242.5 | 1239.9 | 1237.4 | 1234.8 | 1236.0 |
| 17.5° | 1220.5 | 1219.5 | 1218.5 | 1217.5 | 1216.5 | 1214.6 | 1212.0 | 1209.4 | 1206.7 | 1204.1 | 1205.5 |
| 20° | 1196.4 | 1196.0 | 1195.5 | 1195.0 | 1194.6 | 1192.8 | 1189.8 | 1186.8 | 1183.8 | 1180.8 | 1182.5 |
| 22.5° | 1172.3 | 1171.5 | 1170.7 | 1169.8 | 1169.0 | 1167.2 | 1164.4 | 1161.5 | 1158.7 | 1155.9 | 1157.0 |
| 25° | 1134.1 | 1133.0 | 1131.8 | 1130.6 | 1129.5 | 1127.4 | 1124.4 | 1121.4 | 1118.4 | 1115.4 | 1115.9 |
| 27.5° | 1089.4 | 1088.8 | 1088.1 | 1087.4 | 1086.7 | 1084.8 | 1081.7 | 1078.6 | 1075.5 | 1072.4 | 1072.5 |
| 30° | 1060.4 | 1059.7 | 1059.0 | 1058.3 | 1057.6 | 1055.5 | 1052.1 | 1048.6 | 1045.1 | 1041.7 | 1041.2 |
| 32.5° | 1028.8 | 1027.7 | 1026.7 | 1025.6 | 1024.6 | 1022.5 | 1019.4 | 1016.3 | 1013.2 | 1010.1 | 1009.3 |
| 35° | 979.4 | 978.4 | 977.5 | 976.6 | 975.7 | 973.6 | 970.4 | 967.1 | 963.9 | 960.7 | 959.5 |
| 37.5° | 928.1 | 926.9 | 925.7 | 924.6 | 923.4 | 921.3 | 918.3 | 915.2 | 912.2 | 909.2 | 907.4 |
| 40° | 893.2 | 892.0 | 890.9 | 889.7 | 888.5 | 886.4 | 883.1 | 879.9 | 876.7 | 873.4 | 871.4 |
| 42.5° | 855.8 | 854.8 | 853.8 | 852.9 | 851.9 | 849.8 | 846.6 | 843.3 | 840.1 | 836.9 | 835.0 |
| 45° | 801.8 | 800.8 | 799.9 | 799.0 | 798.1 | 796.2 | 793.5 | 790.7 | 787.9 | 785.2 | 782.4 |
| 47.5° | 743.6 | 743.7 | 743.7 | 743.7 | 743.8 | 742.2 | 738.8 | 735.5 | 732.2 | 728.9 | 726.0 |
| 50° | 706.2 | 705.5 | 704.8 | 704.1 | 703.5 | 701.7 | 699.0 | 696.2 | 693.4 | 690.6 | 687.6 |
| 52.5° | 668.0 | 667.5 | 667.0 | 666.5 | 666.0 | 664.2 | 661.3 | 658.3 | 655.4 | 652.4 | 649.8 |
| 55° | 610.7 | 610.0 | 609.3 | 608.6 | 607.9 | 605.9 | 602.7 | 599.5 | 596.2 | 593.0 | 590.9 |
| 57.5° | 550.2 | 549.9 | 549.5 | 549.1 | 548.8 | 547.2 | 544.5 | 541.8 | 539.0 | 536.3 | 533.6 |
| 60° | 512.0 | 511.1 | 510.2 | 509.2 | 508.3 | 506.6 | 504.0 | 501.5 | 499.0 | 496.4 | 494.1 |
| 62.5° | 472.1 | 471.4 | 470.7 | 469.9 | 469.2 | 467.7 | 465.6 | 463.4 | 461.2 | 459.0 | 456.6 |
| 65° | 412.3 | 411.8 | 411.4 | 410.9 | 410.5 | 409.0 | 406.4 | 403.9 | 401.3 | 398.8 | 396.7 |
| 67.5° | 354.4 | 353.4 | 352.4 | 351.4 | 350.5 | 349.0 | 347.2 | 345.3 | 343.4 | 341.5 | 339.7 |
| 70° | 317.8 | 316.6 | 315.5 | 314.3 | 313.2 | 311.6 | 309.5 | 307.4 | 305.3 | 303.3 | 301.9 |
| 72.5° | 277.9 | 277.1 | 276.3 | 275.6 | 274.8 | 273.7 | 272.4 | 271.0 | 269.7 | 268.4 | 266.8 |
| 75° | 219.1 | 218.7 | 218.2 | 217.8 | 217.3 | 216.5 | 215.3 | 214.2 | 213.0 | 211.9 | 211.2 |
| 77.5° | 164.9 | 164.7 | 164.6 | 164.4 | 164.2 | 163.8 | 163.1 | 162.5 | 161.8 | 161.2 | 160.8 |
| 80° | 130.9 | 130.9 | 130.9 | 130.9 | 130.9 | 130.6 | 130.2 | 129.7 | 129.2 | 128.8 | 128.6 |
| 82.5° | 100.9 | 100.6 | 100.2 | 99.8 | 99.5 | 99.2 | 99.1 | 99.1 | 99.0 | 98.9 | 98.5 |
| 85° | 57.1 | 57.4 | 57.6 | 57.8 | 58.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 57.9 |
| 87.5° | 22.7 | 23.2 | 23.6 | 24.1 | 24.5 | 24.9 | 25.1 | 25.3 | 25.5 | 25.8 | 26.0 |
| 90° | 1.3 | 3.6 | 5.9 | 8.2 | 10.5 | 12.7 | 14.7 | 16.7 | 18.7 | 20.8 | 22.2 |
| 92.5° | 31.4 | 33.0 | 34.6 | 36.2 | 37.8 | 39.9 | 42.4 | 44.9 | 47.3 | 49.8 | 51.7 |
| 95° | 84.3 | 84.9 | 85.5 | 86.0 | 86.6 | 88.4 | 91.2 | 94.1 | 97.0 | 99.9 | 101.9 |
| 97.5° | 140.1 | 140.3 | 140.6 | 140.8 | 141.0 | 143.1 | 147.1 | 151.1 | 155.1 | 159.0 | 160.9 |
| 100° | 181.6 | 181.6 | 181.6 | 181.6 | 181.6 | 183.5 | 187.2 | 191.0 | 194.7 | 198.5 | 201.1 |
| 102.5° | 226.2 | 227.4 | 228.5 | 229.7 | 230.8 | 232.4 | 234.3 | 236.2 | 238.1 | 240.0 | 242.8 |
| 105° | 295.8 | 297.2 | 298.6 | 300.1 | 301.5 | 303.1 | 304.8 | 306.6 | 308.3 | 310.0 | 311.8 |
| 107.5° | 372.5 | 374.0 | 375.4 | 376.9 | 378.3 | 379.7 | 381.0 | 382.3 | 383.7 | 385.0 | 385.9 |
| 110° | 425.5 | 426.9 | 428.4 | 429.8 | 431.2 | 432.4 | 433.3 | 434.1 | 435.0 | 435.8 | 436.7 |



TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 479.4 | 480.2 | 480.9 | 481.7 | 482.4 | 483.4 | 484.4 | 485.5 | 486.6 | 487.7 | 488.1 |
| 115° | 559.1 | 560.2 | 561.4 | 562.5 | 563.7 | 564.6 | 565.1 | 565.7 | 566.3 | 566.9 | 566.6 |
| 117.5° | 639.0 | 639.5 | 640.0 | 640.5 | 641.1 | 641.6 | 642.1 | 642.6 | 643.1 | 643.7 | 643.9 |
| 120° | 688.8 | 690.2 | 691.7 | 693.1 | 694.6 | 695.4 | 695.7 | 696.0 | 696.3 | 696.6 | 696.6 |
| 122.5° | 742.8 | 743.3 | 743.8 | 744.3 | 744.8 | 745.5 | 746.2 | 747.0 | 747.7 | 748.5 | 748.2 |
| 125° | 815.9 | 817.6 | 819.4 | 821.1 | 822.8 | 823.8 | 824.1 | 824.4 | 824.7 | 825.0 | 824.4 |
| 127.5° | 893.7 | 894.7 | 895.7 | 896.7 | 897.7 | 898.3 | 898.7 | 899.0 | 899.4 | 899.7 | 899.4 |
| 130° | 940.4 | 941.9 | 943.3 | 944.8 | 946.2 | 947.2 | 947.8 | 948.4 | 948.9 | 949.5 | 949.2 |
| 132.5° | 987.1 | 989.5 | 991.9 | 994.2 | 996.6 | 997.7 | 997.6 | 997.5 | 997.4 | 997.3 | 997.0 |
| 135° | 1061.1 | 1062.8 | 1064.5 | 1066.3 | 1068.0 | 1069.0 | 1069.3 | 1069.6 | 1069.9 | 1070.2 | 1070.2 |
| 137.5° | 1130.6 | 1132.3 | 1134.0 | 1135.6 | 1137.3 | 1138.4 | 1139.1 | 1139.7 | 1140.4 | 1141.0 | 1141.3 |
| 140° | 1175.2 | 1176.7 | 1178.1 | 1179.6 | 1181.0 | 1182.1 | 1183.0 | 1183.9 | 1184.7 | 1185.6 | 1186.2 |
| 142.5° | 1219.9 | 1221.1 | 1222.3 | 1223.5 | 1224.7 | 1225.8 | 1226.9 | 1228.0 | 1229.1 | 1230.2 | 1230.6 |
| 145° | 1285.5 | 1286.6 | 1287.8 | 1288.9 | 1290.1 | 1291.1 | 1292.0 | 1292.8 | 1293.7 | 1294.6 | 1294.6 |
| 147.5° | 1346.2 | 1346.8 | 1347.5 | 1348.1 | 1348.7 | 1349.4 | 1350.1 | 1350.8 | 1351.5 | 1352.2 | 1352.9 |
| 150° | 1386.7 | 1386.4 | 1386.1 | 1385.8 | 1385.5 | 1385.9 | 1387.1 | 1388.3 | 1389.4 | 1390.6 | 1390.6 |
| 152.5° | 1419.9 | 1420.3 | 1420.7 | 1421.1 | 1421.5 | 1421.9 | 1422.4 | 1422.8 | 1423.3 | 1423.8 | 1424.5 |
| 155° | 1471.0 | 1471.0 | 1471.0 | 1471.0 | 1471.0 | 1471.1 | 1471.4 | 1471.7 | 1472.0 | 1472.3 | 1473.4 |
| 157.5° | 1516.6 | 1516.0 | 1515.4 | 1514.7 | 1514.1 | 1513.9 | 1514.2 | 1514.5 | 1514.8 | 1515.1 | 1516.2 |
| 160° | 1543.6 | 1542.8 | 1541.9 | 1541.0 | 1540.2 | 1539.9 | 1540.2 | 1540.5 | 1540.7 | 1541.0 | 1542.2 |
| 162.5° | 1567.5 | 1566.9 | 1566.2 | 1565.6 | 1565.0 | 1564.7 | 1564.7 | 1564.8 | 1564.8 | 1564.9 | 1566.3 |
| 165° | 1599.4 | 1598.8 | 1598.2 | 1597.7 | 1597.1 | 1597.0 | 1597.2 | 1597.5 | 1597.8 | 1598.1 | 1599.3 |
| 167.5° | 1626.4 | 1625.2 | 1624.1 | 1622.9 | 1621.8 | 1621.2 | 1621.2 | 1621.2 | 1621.2 | 1621.2 | 1622.9 |
| 170° | 1640.9 | 1639.8 | 1638.6 | 1637.5 | 1636.3 | 1635.7 | 1635.7 | 1635.7 | 1635.7 | 1635.7 | 1637.5 |
| 172.5° | 1651.3 | 1650.1 | 1649.0 | 1647.8 | 1646.7 | 1646.1 | 1646.1 | 1646.1 | 1646.1 | 1646.1 | 1647.8 |
| 175° | 1663.0 | 1661.8 | 1660.7 | 1659.5 | 1658.4 | 1657.8 | 1657.8 | 1657.8 | 1657.8 | 1657.8 | 1659.5 |
| 177.5° | 1668.9 | 1668.0 | 1667.1 | 1666.2 | 1665.2 | 1664.7 | 1664.4 | 1664.2 | 1664.0 | 1663.7 | 1665.1 |
| 180° | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 |



TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 |
| 2.5° | 1309.0 | 1310.8 | 1312.6 | 1313.5 | 1313.3 | 1313.1 | 1312.9 | 1312.7 |
| 5° | 1302.4 | 1304.4 | 1306.5 | 1307.4 | 1307.2 | 1307.0 | 1306.7 | 1306.5 |
| 7.5° | 1289.2 | 1291.2 | 1293.2 | 1294.1 | 1293.9 | 1293.7 | 1293.4 | 1293.2 |
| 10° | 1278.0 | 1279.9 | 1281.7 | 1282.5 | 1282.3 | 1282.0 | 1281.8 | 1281.6 |
| 12.5° | 1263.1 | 1264.6 | 1266.1 | 1266.8 | 1266.8 | 1266.7 | 1266.7 | 1266.6 |
| 15° | 1237.2 | 1238.3 | 1239.5 | 1240.0 | 1240.0 | 1240.0 | 1240.0 | 1240.0 |
| 17.5° | 1207.0 | 1208.4 | 1209.8 | 1210.0 | 1208.8 | 1207.7 | 1206.5 | 1205.4 |
| 20° | 1184.1 | 1185.7 | 1187.3 | 1187.5 | 1186.4 | 1185.2 | 1184.1 | 1182.9 |
| 22.5° | 1158.0 | 1159.1 | 1160.2 | 1160.3 | 1159.5 | 1158.7 | 1157.9 | 1157.2 |
| 25° | 1116.3 | 1116.8 | 1117.3 | 1117.1 | 1116.5 | 1115.8 | 1115.1 | 1114.4 |
| 27.5° | 1072.6 | 1072.7 | 1072.8 | 1072.5 | 1071.8 | 1071.1 | 1070.4 | 1069.7 |
| 30° | 1040.8 | 1040.3 | 1039.8 | 1039.3 | 1038.6 | 1037.9 | 1037.2 | 1036.5 |
| 32.5° | 1008.4 | 1007.6 | 1006.8 | 1005.7 | 1004.5 | 1003.2 | 1002.0 | 1000.8 |
| 35° | 958.4 | 957.2 | 956.1 | 954.6 | 952.7 | 950.9 | 949.0 | 947.2 |
| 37.5° | 905.7 | 904.0 | 902.3 | 900.9 | 899.9 | 898.8 | 897.8 | 896.7 |
| 40° | 869.3 | 867.2 | 865.1 | 863.7 | 863.0 | 862.4 | 861.7 | 861.0 |
| 42.5° | 833.1 | 831.2 | 829.3 | 827.8 | 826.8 | 825.7 | 824.6 | 823.6 |
| 45° | 779.6 | 776.8 | 774.1 | 772.3 | 771.7 | 771.0 | 770.3 | 769.6 |
| 47.5° | 723.2 | 720.4 | 717.6 | 715.4 | 713.8 | 712.2 | 710.5 | 708.9 |
| 50° | 684.6 | 681.6 | 678.6 | 676.3 | 674.7 | 673.1 | 671.5 | 669.9 |
| 52.5° | 647.2 | 644.5 | 641.9 | 639.7 | 637.9 | 636.1 | 634.3 | 632.5 |
| 55° | 588.9 | 586.8 | 584.7 | 582.9 | 581.2 | 579.6 | 578.0 | 576.4 |
| 57.5° | 531.0 | 528.3 | 525.6 | 523.8 | 522.9 | 522.1 | 521.2 | 520.3 |
| 60° | 491.8 | 489.5 | 487.2 | 485.2 | 483.6 | 482.0 | 480.4 | 478.8 |
| 62.5° | 454.1 | 451.6 | 449.1 | 447.2 | 446.0 | 444.7 | 443.5 | 442.2 |
| 65° | 394.7 | 392.6 | 390.5 | 389.0 | 388.1 | 387.2 | 386.2 | 385.3 |
| 67.5° | 338.0 | 336.2 | 334.5 | 333.3 | 332.8 | 332.2 | 331.6 | 331.1 |
| 70° | 300.5 | 299.1 | 297.7 | 296.6 | 295.6 | 294.7 | 293.8 | 292.9 |
| 72.5° | 265.2 | 263.7 | 262.1 | 260.8 | 259.9 | 259.0 | 258.1 | 257.1 |
| 75° | 210.5 | 209.8 | 209.1 | 208.3 | 207.4 | 206.4 | 205.5 | 204.6 |
| 77.5° | 160.4 | 159.9 | 159.5 | 159.0 | 158.3 | 157.7 | 157.1 | 156.4 |
| 80° | 128.3 | 128.1 | 127.9 | 127.5 | 127.1 | 126.6 | 126.1 | 125.7 |
| 82.5° | 98.0 | 97.6 | 97.2 | 97.0 | 96.9 | 96.8 | 96.7 | 96.6 |
| 85° | 57.7 | 57.5 | 57.2 | 56.9 | 56.4 | 56.0 | 55.5 | 55.0 |
| 87.5° | 26.3 | 26.6 | 26.9 | 27.0 | 26.8 | 26.6 | 26.4 | 26.2 |
| 90° | 23.6 | 25.1 | 26.5 | 27.7 | 28.5 | 29.4 | 30.3 | 31.1 |
| 92.5° | 53.6 | 55.5 | 57.4 | 58.7 | 59.3 | 60.0 | 60.6 | 61.2 |
| 95° | 103.9 | 105.9 | 108.0 | 109.2 | 109.8 | 110.4 | 111.0 | 111.6 |
| 97.5° | 162.8 | 164.7 | 166.6 | 167.8 | 168.1 | 168.5 | 168.8 | 169.2 |
| 100° | 203.7 | 206.2 | 208.8 | 210.4 | 211.0 | 211.6 | 212.2 | 212.7 |
| 102.5° | 245.6 | 248.4 | 251.3 | 253.1 | 253.9 | 254.7 | 255.5 | 256.3 |
| 105° | 313.5 | 315.2 | 316.9 | 318.2 | 319.1 | 320.0 | 320.8 | 321.7 |
| 107.5° | 386.7 | 387.6 | 388.5 | 388.9 | 388.8 | 388.7 | 388.7 | 388.6 |
| 110° | 437.6 | 438.4 | 439.3 | 439.6 | 439.3 | 439.0 | 438.7 | 438.4 |



TEST NUMBER: P333423

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 488.5 | 488.9 | 489.3 | 489.3 | 488.8 | 488.3 | 487.7 | 487.2 |
| 115° | 566.3 | 566.0 | 565.7 | 565.4 | 565.1 | 564.8 | 564.6 | 564.3 |
| 117.5° | 644.1 | 644.3 | 644.6 | 644.1 | 643.0 | 641.8 | 640.7 | 639.5 |
| 120° | 696.6 | 696.6 | 696.6 | 696.0 | 694.8 | 693.7 | 692.5 | 691.4 |
| 122.5° | 748.0 | 747.8 | 747.5 | 747.0 | 746.0 | 745.1 | 744.2 | 743.3 |
| 125° | 823.8 | 823.3 | 822.7 | 822.3 | 822.0 | 821.7 | 821.4 | 821.1 |
| 127.5° | 899.1 | 898.8 | 898.6 | 898.1 | 897.6 | 897.0 | 896.4 | 895.8 |
| 130° | 948.9 | 948.7 | 948.4 | 947.9 | 947.4 | 946.8 | 946.2 | 945.6 |
| 132.5° | 996.7 | 996.4 | 996.1 | 995.6 | 994.8 | 993.9 | 993.1 | 992.3 |
| 135° | 1070.2 | 1070.2 | 1070.2 | 1069.6 | 1068.4 | 1067.3 | 1066.1 | 1065.0 |
| 137.5° | 1141.7 | 1142.0 | 1142.4 | 1141.8 | 1140.4 | 1138.9 | 1137.5 | 1136.1 |
| 140° | 1186.8 | 1187.3 | 1187.9 | 1187.5 | 1186.0 | 1184.6 | 1183.2 | 1181.7 |
| 142.5° | 1230.9 | 1231.3 | 1231.6 | 1231.1 | 1229.6 | 1228.2 | 1226.7 | 1225.3 |
| 145° | 1294.6 | 1294.6 | 1294.6 | 1294.1 | 1293.3 | 1292.4 | 1291.5 | 1290.7 |
| 147.5° | 1353.5 | 1354.2 | 1354.9 | 1354.3 | 1352.3 | 1350.4 | 1348.4 | 1346.5 |
| 150° | 1390.6 | 1390.6 | 1390.6 | 1390.3 | 1389.7 | 1389.1 | 1388.5 | 1388.0 |
| 152.5° | 1425.1 | 1425.8 | 1426.5 | 1426.4 | 1425.3 | 1424.3 | 1423.2 | 1422.2 |
| 155° | 1474.6 | 1475.7 | 1476.9 | 1476.7 | 1475.3 | 1473.9 | 1472.4 | 1471.0 |
| 157.5° | 1517.4 | 1518.5 | 1519.7 | 1519.3 | 1517.4 | 1515.5 | 1513.6 | 1511.7 |
| 160° | 1543.3 | 1544.5 | 1545.6 | 1545.5 | 1544.1 | 1542.6 | 1541.2 | 1539.7 |
| 162.5° | 1567.7 | 1569.0 | 1570.4 | 1570.3 | 1568.6 | 1566.9 | 1565.3 | 1563.6 |
| 165° | 1600.4 | 1601.6 | 1602.7 | 1602.4 | 1600.7 | 1599.0 | 1597.2 | 1595.5 |
| 167.5° | 1624.7 | 1626.4 | 1628.1 | 1628.1 | 1626.3 | 1624.5 | 1622.7 | 1620.9 |
| 170° | 1639.2 | 1640.9 | 1642.6 | 1642.5 | 1640.5 | 1638.5 | 1636.4 | 1634.4 |
| 172.5° | 1649.6 | 1651.3 | 1653.0 | 1653.0 | 1651.2 | 1649.4 | 1647.6 | 1645.8 |
| 175° | 1661.2 | 1663.0 | 1664.7 | 1664.5 | 1662.5 | 1660.5 | 1658.5 | 1656.5 |
| 177.5° | 1666.5 | 1667.9 | 1669.3 | 1669.2 | 1667.5 | 1665.9 | 1664.3 | 1662.7 |
| 180° | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 | 1666.9 |

(END OF REPORT)