

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: P333429

Luminaire Tested: **S125DIW-S850D1560U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333429
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-S850D1560U835-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8828.1 lumens
Efficiency: N/A
Efficacy: 129.6 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: Semi-Indirect

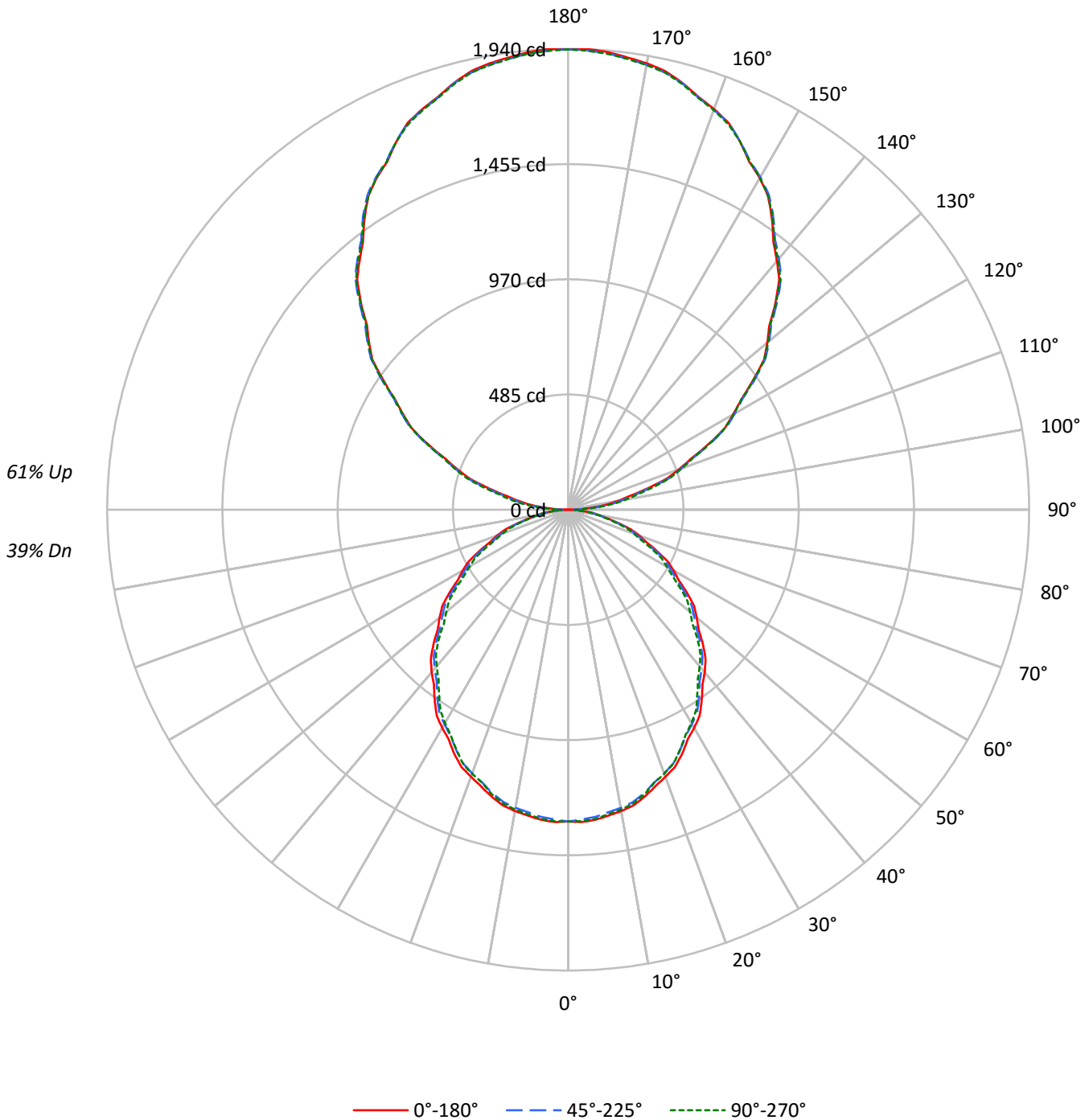
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333429

CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333429

CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-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 | 104 | 104 | 104 | 104 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1 | 95 | 91 | 87 | 84 | 86 | 83 | 79 | 77 | 67 | 65 | 63 | 53 | 52 | 50 | 40 | 39 | 39 | 33 |
| 2 | 87 | 79 | 73 | 68 | 78 | 72 | 67 | 63 | 59 | 55 | 52 | 47 | 44 | 42 | 35 | 34 | 32 | 27 |
| 3 | 79 | 70 | 62 | 57 | 71 | 64 | 57 | 52 | 52 | 47 | 44 | 41 | 38 | 36 | 31 | 29 | 28 | 23 |
| 4 | 72 | 62 | 54 | 48 | 65 | 56 | 50 | 44 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 26 | 24 | 20 |
| 5 | 66 | 55 | 47 | 41 | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 23 | 21 | 17 |
| 6 | 61 | 49 | 41 | 35 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |
| 7 | 56 | 44 | 36 | 31 | 51 | 41 | 34 | 29 | 34 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 52 | 40 | 32 | 27 | 47 | 37 | 30 | 25 | 31 | 25 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9 | 49 | 37 | 29 | 24 | 44 | 34 | 27 | 23 | 28 | 23 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |
| 10 | 45 | 33 | 26 | 22 | 41 | 31 | 24 | 20 | 26 | 21 | 17 | 21 | 17 | 15 | 16 | 14 | 12 | 10 |

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: P333429

CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 123.8 | 1.4 |
| 10°-20° | 349.6 | 4.0 |
| 20°-30° | 516.2 | 5.8 |
| 30°-40° | 602.4 | 6.8 |
| 40°-50° | 605.0 | 6.9 |
| 50°-60° | 531.1 | 6.0 |
| 60°-70° | 395.7 | 4.5 |
| 70°-80° | 226.3 | 2.6 |
| 80°-90° | 70.1 | 0.8 |
| 90°-100° | 129.8 | 1.5 |
| 100°-110° | 383.3 | 4.3 |
| 110°-120° | 649.2 | 7.4 |
| 120°-130° | 854.4 | 9.7 |
| 130°-140° | 957.4 | 10.8 |
| 140°-150° | 938.3 | 10.6 |
| 150°-160° | 788.1 | 8.9 |
| 160°-170° | 523.9 | 5.9 |
| 170°-180° | 183.3 | 2.1 |
| 0°-30° | 989.7 | 11.2 |
| 0°-40° | 1592.1 | 18.0 |
| 0°-60° | 2728.2 | 30.9 |
| 0°-90° | 3420.2 | 38.7 |
| 90°-120° | 1162.3 | 13.2 |
| 90°-150° | 3912.5 | 44.3 |
| 90°-180° | 5408.0 | 61.3 |
| 0°-180° | 8828.1 | 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° | 2 | 13 | 24 | 32 | 36 | 9 |
| 95° | 98 | 102 | 116 | 126 | 130 | 105 |
| 105° | 344 | 352 | 360 | 369 | 374 | 367 |
| 115° | 650 | 656 | 659 | 658 | 656 | 643 |
| 125° | 949 | 957 | 959 | 956 | 955 | 849 |
| 135° | 1234 | 1242 | 1244 | 1244 | 1238 | 951 |
| 145° | 1495 | 1501 | 1505 | 1505 | 1501 | 934 |
| 155° | 1710 | 1710 | 1712 | 1717 | 1710 | 787 |
| 165° | 1860 | 1857 | 1858 | 1863 | 1855 | 524 |
| 175° | 1934 | 1928 | 1927 | 1935 | 1926 | 184 |
| 180° | 1938 | 1938 | 1938 | 1938 | 1938 | |



TEST NUMBER: P333429

CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-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 | 23.3 | 23.8 | 24.3 | 24.9 | 25.3 | 25.6 | 25.9 | 26.1 | 26.4 | 26.8 |
| 90° | 1.5 | 4.2 | 6.9 | 9.6 | 12.2 | 14.7 | 17.1 | 19.4 | 21.8 | 24.1 | 25.8 |
| 92.5° | 36.5 | 38.4 | 40.3 | 42.1 | 44.0 | 46.4 | 49.3 | 52.1 | 55.0 | 57.9 | 60.1 |
| 95° | 98.0 | 98.7 | 99.4 | 100.0 | 100.7 | 102.7 | 106.1 | 109.4 | 112.8 | 116.1 | 118.5 |
| 97.5° | 162.9 | 163.1 | 163.4 | 163.7 | 164.0 | 166.4 | 171.0 | 175.7 | 180.3 | 184.9 | 187.1 |
| 100° | 211.1 | 211.1 | 211.1 | 211.1 | 211.1 | 213.3 | 217.7 | 222.0 | 226.4 | 230.7 | 233.8 |
| 102.5° | 263.0 | 264.4 | 265.7 | 267.0 | 268.4 | 270.2 | 272.4 | 274.6 | 276.8 | 279.0 | 282.3 |
| 105° | 343.9 | 345.5 | 347.2 | 348.9 | 350.6 | 352.4 | 354.4 | 356.4 | 358.4 | 360.5 | 362.5 |
| 107.5° | 433.1 | 434.8 | 436.5 | 438.2 | 439.8 | 441.5 | 443.0 | 444.5 | 446.1 | 447.6 | 448.6 |
| 110° | 494.7 | 496.4 | 498.0 | 499.7 | 501.4 | 502.7 | 503.7 | 504.7 | 505.7 | 506.7 | 507.7 |



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CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 557.4 | 558.3 | 559.2 | 560.0 | 560.9 | 562.0 | 563.2 | 564.5 | 565.8 | 567.1 | 567.5 |
| 115° | 650.0 | 651.4 | 652.7 | 654.0 | 655.4 | 656.4 | 657.1 | 657.7 | 658.4 | 659.1 | 658.7 |
| 117.5° | 742.9 | 743.5 | 744.1 | 744.7 | 745.3 | 745.9 | 746.5 | 747.1 | 747.7 | 748.4 | 748.6 |
| 120° | 800.8 | 802.5 | 804.2 | 805.9 | 807.5 | 808.5 | 808.9 | 809.2 | 809.5 | 809.9 | 809.9 |
| 122.5° | 863.6 | 864.2 | 864.8 | 865.4 | 866.0 | 866.7 | 867.6 | 868.5 | 869.3 | 870.2 | 869.9 |
| 125° | 948.6 | 950.6 | 952.7 | 954.7 | 956.7 | 957.9 | 958.2 | 958.5 | 958.9 | 959.2 | 958.5 |
| 127.5° | 1039.1 | 1040.3 | 1041.4 | 1042.5 | 1043.7 | 1044.5 | 1044.9 | 1045.3 | 1045.7 | 1046.1 | 1045.7 |
| 130° | 1093.4 | 1095.1 | 1096.8 | 1098.4 | 1100.1 | 1101.3 | 1102.0 | 1102.6 | 1103.3 | 1104.0 | 1103.6 |
| 132.5° | 1147.7 | 1150.5 | 1153.2 | 1156.0 | 1158.7 | 1160.0 | 1159.9 | 1159.7 | 1159.6 | 1159.5 | 1159.1 |
| 135° | 1233.7 | 1235.7 | 1237.7 | 1239.7 | 1241.7 | 1242.9 | 1243.2 | 1243.6 | 1243.9 | 1244.2 | 1244.2 |
| 137.5° | 1314.5 | 1316.5 | 1318.4 | 1320.3 | 1322.3 | 1323.6 | 1324.4 | 1325.1 | 1325.8 | 1326.6 | 1327.0 |
| 140° | 1366.4 | 1368.1 | 1369.7 | 1371.4 | 1373.1 | 1374.4 | 1375.4 | 1376.5 | 1377.5 | 1378.5 | 1379.1 |
| 142.5° | 1418.3 | 1419.7 | 1421.1 | 1422.5 | 1423.9 | 1425.2 | 1426.5 | 1427.8 | 1429.1 | 1430.3 | 1430.7 |
| 145° | 1494.6 | 1495.9 | 1497.3 | 1498.6 | 1500.0 | 1501.1 | 1502.1 | 1503.1 | 1504.1 | 1505.1 | 1505.1 |
| 147.5° | 1565.2 | 1565.9 | 1566.6 | 1567.4 | 1568.1 | 1568.9 | 1569.7 | 1570.5 | 1571.3 | 1572.1 | 1572.9 |
| 150° | 1612.2 | 1611.9 | 1611.6 | 1611.2 | 1610.9 | 1611.4 | 1612.7 | 1614.1 | 1615.4 | 1616.8 | 1616.8 |
| 152.5° | 1650.8 | 1651.3 | 1651.8 | 1652.2 | 1652.7 | 1653.2 | 1653.8 | 1654.3 | 1654.8 | 1655.4 | 1656.2 |
| 155° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.4 | 1710.8 | 1711.1 | 1711.4 | 1711.8 | 1713.1 |
| 157.5° | 1763.3 | 1762.6 | 1761.9 | 1761.1 | 1760.4 | 1760.2 | 1760.5 | 1760.9 | 1761.2 | 1761.5 | 1762.9 |
| 160° | 1794.7 | 1793.7 | 1792.7 | 1791.7 | 1790.7 | 1790.4 | 1790.7 | 1791.0 | 1791.4 | 1791.7 | 1793.0 |
| 162.5° | 1822.5 | 1821.7 | 1821.0 | 1820.3 | 1819.5 | 1819.2 | 1819.2 | 1819.3 | 1819.4 | 1819.4 | 1821.1 |
| 165° | 1859.6 | 1858.9 | 1858.2 | 1857.6 | 1856.9 | 1856.7 | 1857.1 | 1857.4 | 1857.7 | 1858.1 | 1859.4 |
| 167.5° | 1890.9 | 1889.6 | 1888.3 | 1886.9 | 1885.6 | 1884.9 | 1884.9 | 1884.9 | 1884.9 | 1884.9 | 1886.9 |
| 170° | 1907.8 | 1906.5 | 1905.1 | 1903.8 | 1902.5 | 1901.8 | 1901.8 | 1901.8 | 1901.8 | 1901.8 | 1903.8 |
| 172.5° | 1919.9 | 1918.6 | 1917.2 | 1915.9 | 1914.5 | 1913.9 | 1913.9 | 1913.9 | 1913.9 | 1913.9 | 1915.9 |
| 175° | 1933.5 | 1932.1 | 1930.8 | 1929.4 | 1928.1 | 1927.4 | 1927.4 | 1927.4 | 1927.4 | 1927.4 | 1929.4 |
| 177.5° | 1940.4 | 1939.3 | 1938.3 | 1937.2 | 1936.1 | 1935.4 | 1935.2 | 1934.9 | 1934.6 | 1934.4 | 1936.0 |
| 180° | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 |



TEST NUMBER: P333429

CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-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° | 27.1 | 27.4 | 27.8 | 27.9 | 27.7 | 27.5 | 27.3 | 27.2 |
| 90° | 27.5 | 29.2 | 30.8 | 32.2 | 33.2 | 34.2 | 35.2 | 36.2 |
| 92.5° | 62.3 | 64.5 | 66.8 | 68.2 | 69.0 | 69.7 | 70.4 | 71.2 |
| 95° | 120.8 | 123.2 | 125.5 | 127.0 | 127.7 | 128.4 | 129.0 | 129.7 |
| 97.5° | 189.3 | 191.5 | 193.7 | 195.1 | 195.5 | 195.9 | 196.3 | 196.7 |
| 100° | 236.8 | 239.8 | 242.8 | 244.7 | 245.3 | 246.0 | 246.7 | 247.3 |
| 102.5° | 285.6 | 288.9 | 292.1 | 294.3 | 295.2 | 296.1 | 297.1 | 298.0 |
| 105° | 364.5 | 366.5 | 368.5 | 370.0 | 371.0 | 372.0 | 373.0 | 374.0 |
| 107.5° | 449.6 | 450.6 | 451.6 | 452.1 | 452.0 | 452.0 | 451.9 | 451.8 |
| 110° | 508.8 | 509.8 | 510.8 | 511.1 | 510.8 | 510.4 | 510.1 | 509.8 |



TEST NUMBER: P333429

CATALOG NUMBER: S125DIW-S850D1560U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 568.0 | 568.5 | 568.9 | 568.9 | 568.3 | 567.7 | 567.1 | 566.5 |
| 115° | 658.4 | 658.1 | 657.7 | 657.4 | 657.1 | 656.7 | 656.4 | 656.1 |
| 117.5° | 748.9 | 749.2 | 749.4 | 748.9 | 747.5 | 746.2 | 744.9 | 743.5 |
| 120° | 809.9 | 809.9 | 809.9 | 809.2 | 807.9 | 806.5 | 805.2 | 803.9 |
| 122.5° | 869.7 | 869.4 | 869.1 | 868.5 | 867.4 | 866.3 | 865.2 | 864.2 |
| 125° | 957.9 | 957.2 | 956.5 | 956.0 | 955.7 | 955.3 | 955.0 | 954.7 |
| 127.5° | 1045.4 | 1045.1 | 1044.7 | 1044.2 | 1043.5 | 1042.9 | 1042.2 | 1041.5 |
| 130° | 1103.3 | 1103.0 | 1102.6 | 1102.1 | 1101.5 | 1100.8 | 1100.1 | 1099.5 |
| 132.5° | 1158.8 | 1158.5 | 1158.1 | 1157.5 | 1156.6 | 1155.6 | 1154.7 | 1153.7 |
| 135° | 1244.2 | 1244.2 | 1244.2 | 1243.6 | 1242.2 | 1240.9 | 1239.5 | 1238.2 |
| 137.5° | 1327.4 | 1327.8 | 1328.2 | 1327.6 | 1325.9 | 1324.2 | 1322.5 | 1320.8 |
| 140° | 1379.8 | 1380.5 | 1381.1 | 1380.6 | 1379.0 | 1377.3 | 1375.6 | 1373.9 |
| 142.5° | 1431.1 | 1431.5 | 1432.0 | 1431.3 | 1429.6 | 1428.0 | 1426.3 | 1424.6 |
| 145° | 1505.1 | 1505.1 | 1505.1 | 1504.6 | 1503.6 | 1502.6 | 1501.6 | 1500.6 |
| 147.5° | 1573.7 | 1574.5 | 1575.3 | 1574.6 | 1572.3 | 1570.0 | 1567.8 | 1565.5 |
| 150° | 1616.8 | 1616.8 | 1616.8 | 1616.4 | 1615.7 | 1615.1 | 1614.4 | 1613.7 |
| 152.5° | 1657.0 | 1657.8 | 1658.6 | 1658.4 | 1657.2 | 1656.0 | 1654.8 | 1653.6 |
| 155° | 1714.4 | 1715.8 | 1717.1 | 1717.0 | 1715.3 | 1713.6 | 1711.9 | 1710.3 |
| 157.5° | 1764.2 | 1765.6 | 1766.9 | 1766.5 | 1764.2 | 1762.0 | 1759.8 | 1757.6 |
| 160° | 1794.4 | 1795.7 | 1797.1 | 1796.9 | 1795.2 | 1793.5 | 1791.9 | 1790.2 |
| 162.5° | 1822.7 | 1824.3 | 1825.9 | 1825.7 | 1823.8 | 1821.8 | 1819.9 | 1817.9 |
| 165° | 1860.7 | 1862.1 | 1863.4 | 1863.1 | 1861.1 | 1859.1 | 1857.1 | 1855.0 |
| 167.5° | 1888.9 | 1890.9 | 1892.9 | 1892.9 | 1890.8 | 1888.8 | 1886.7 | 1884.6 |
| 170° | 1905.8 | 1907.8 | 1909.8 | 1909.7 | 1907.3 | 1905.0 | 1902.6 | 1900.3 |
| 172.5° | 1917.9 | 1919.9 | 1921.9 | 1921.9 | 1919.8 | 1917.7 | 1915.6 | 1913.6 |
| 175° | 1931.5 | 1933.5 | 1935.5 | 1935.3 | 1933.0 | 1930.6 | 1928.3 | 1925.9 |
| 177.5° | 1937.6 | 1939.2 | 1940.8 | 1940.7 | 1938.8 | 1936.9 | 1935.0 | 1933.2 |
| 180° | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 | 1938.0 |

(END OF REPORT)