

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: P333719-935

Luminaire Tested: **S125RDIW-S1090D1560U935-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333719-935
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: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8295.4 lumens
Efficiency: N/A
Efficacy: 108.3 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: General Diffuse

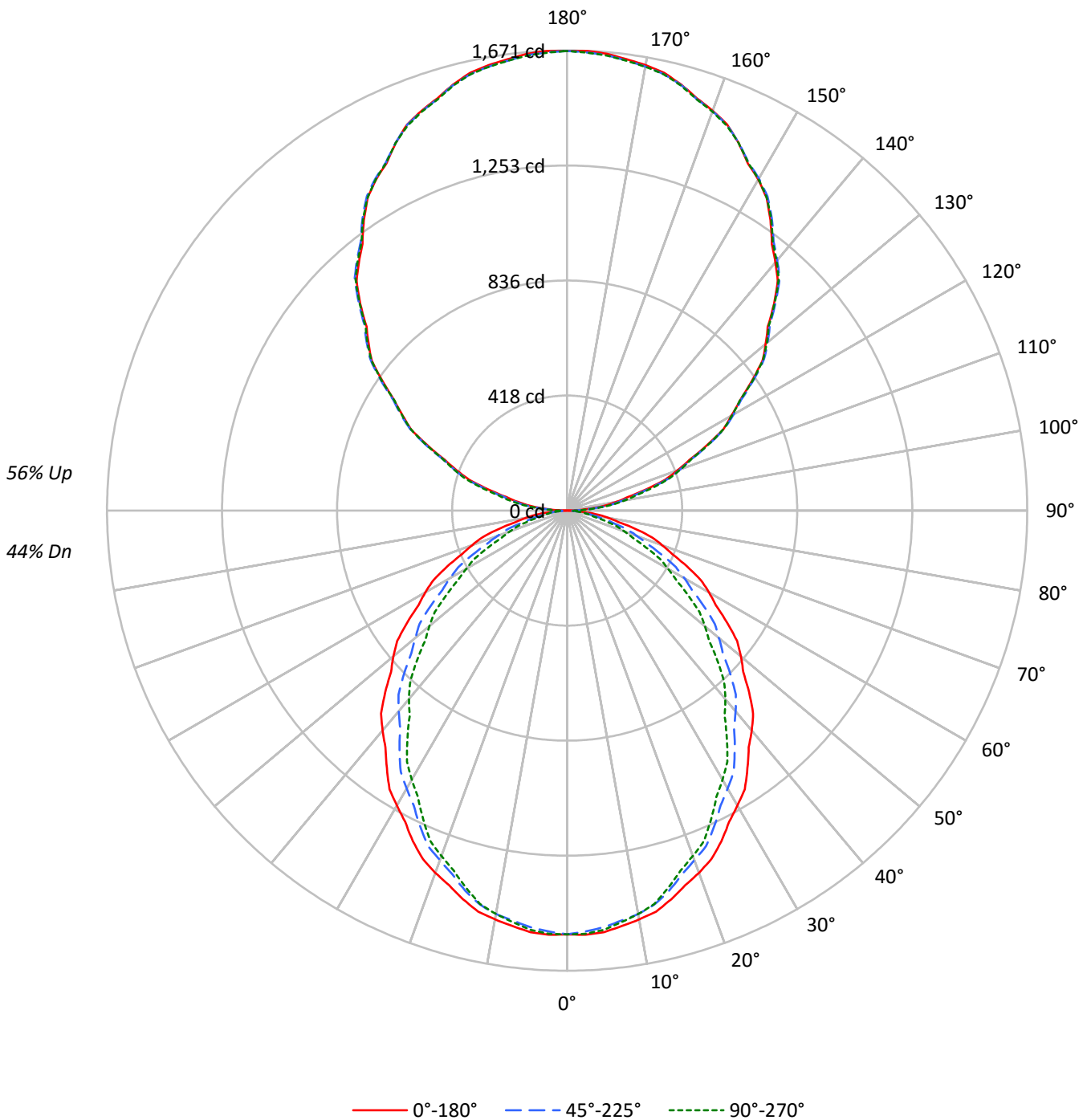
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 50 | 50 | 50 | 44 |
| 1 | 97 | 92 | 89 | 85 | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 37 |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |
| 3 | 80 | 71 | 64 | 58 | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4 | 74 | 63 | 55 | 49 | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5 | 68 | 56 | 48 | 42 | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6 | 62 | 50 | 43 | 37 | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 25 | 22 | 24 | 21 | 19 | 16 |
| 8 | 53 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9 | 50 | 38 | 30 | 25 | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10 | 46 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9939 | 9939 | 9939 |
| 5° | 9962 | 9848 | 9909 |
| 10° | 9886 | 9757 | 9757 |
| 15° | 9768 | 9559 | 9482 |
| 20° | 9619 | 9283 | 9171 |
| 25° | 9443 | 9012 | 8813 |
| 30° | 9223 | 8694 | 8416 |
| 35° | 8999 | 8367 | 7972 |
| 40° | 8790 | 8025 | 7535 |
| 45° | 8535 | 7644 | 7059 |
| 50° | 8280 | 7229 | 6563 |
| 55° | 7983 | 6831 | 6033 |
| 60° | 7687 | 6350 | 5465 |
| 65° | 7335 | 5790 | 4814 |
| 70° | 6936 | 5093 | 4147 |
| 75° | 6381 | 4292 | 3451 |
| 80° | 5620 | 3373 | 2894 |
| 85° | 4735 | 2757 | 2586 |



TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 144.7 | 1.7 |
| 10°-20° | 404.4 | 4.9 |
| 20°-30° | 586.4 | 7.1 |
| 30°-40° | 668.3 | 8.1 |
| 40°-50° | 651.5 | 7.9 |
| 50°-60° | 548.4 | 6.6 |
| 60°-70° | 384.4 | 4.6 |
| 70°-80° | 197.6 | 2.4 |
| 80°-90° | 53.5 | 0.6 |
| 90°-100° | 111.8 | 1.3 |
| 100°-110° | 330.0 | 4.0 |
| 110°-120° | 559.0 | 6.7 |
| 120°-130° | 735.7 | 8.9 |
| 130°-140° | 824.3 | 9.9 |
| 140°-150° | 807.9 | 9.7 |
| 150°-160° | 678.6 | 8.2 |
| 160°-170° | 451.1 | 5.4 |
| 170°-180° | 157.9 | 1.9 |
| 0°-30° | 1135.5 | 13.7 |
| 0°-40° | 1803.9 | 21.7 |
| 0°-60° | 3003.7 | 36.2 |
| 0°-90° | 3639.3 | 43.9 |
| 90°-120° | 1000.8 | 12.1 |
| 90°-150° | 3368.6 | 40.6 |
| 90°-180° | 4656.0 | 56.1 |
| 0°-180° | 8295.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1539 | 1539 | 1539 | 1539 | 1539 | |
| 5° | 1537 | 1532 | 1519 | 1530 | 1528 | 146 |
| 15° | 1461 | 1453 | 1430 | 1428 | 1418 | 412 |
| 25° | 1325 | 1306 | 1265 | 1250 | 1237 | 609 |
| 35° | 1141 | 1112 | 1061 | 1028 | 1011 | 714 |
| 45° | 934 | 899 | 837 | 792 | 773 | 721 |
| 55° | 709 | 670 | 607 | 556 | 536 | 634 |
| 65° | 480 | 439 | 379 | 334 | 315 | 475 |
| 75° | 256 | 220 | 172 | 147 | 138 | 271 |
| 85° | 64 | 44 | 37 | 36 | 35 | 72 |
| 90° | 1 | 12 | 21 | 27 | 31 | 8 |
| 95° | 84 | 88 | 100 | 109 | 112 | 90 |
| 105° | 296 | 303 | 310 | 318 | 322 | 316 |
| 115° | 560 | 565 | 568 | 566 | 565 | 553 |
| 125° | 817 | 824 | 826 | 823 | 822 | 731 |
| 135° | 1062 | 1070 | 1071 | 1071 | 1066 | 818 |
| 145° | 1287 | 1292 | 1296 | 1296 | 1292 | 804 |
| 155° | 1473 | 1473 | 1474 | 1478 | 1473 | 678 |
| 165° | 1601 | 1599 | 1600 | 1604 | 1597 | 451 |
| 175° | 1665 | 1660 | 1660 | 1666 | 1658 | 158 |
| 180° | 1669 | 1669 | 1669 | 1669 | 1669 | |



TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 |
| 2.5° | 1541.7 | 1541.1 | 1540.5 | 1539.8 | 1539.2 | 1537.9 | 1535.9 | 1533.8 | 1531.7 | 1529.7 | 1531.7 |
| 5° | 1536.6 | 1535.6 | 1534.6 | 1533.5 | 1532.5 | 1530.5 | 1527.7 | 1524.8 | 1522.0 | 1519.1 | 1521.7 |
| 7.5° | 1521.5 | 1520.5 | 1519.5 | 1518.5 | 1517.5 | 1515.4 | 1511.9 | 1508.6 | 1505.1 | 1501.8 | 1503.6 |
| 10° | 1507.5 | 1506.8 | 1506.0 | 1505.2 | 1504.4 | 1502.3 | 1498.7 | 1495.0 | 1491.4 | 1487.8 | 1488.6 |
| 12.5° | 1491.7 | 1490.7 | 1489.8 | 1488.8 | 1487.8 | 1484.9 | 1480.1 | 1475.2 | 1470.3 | 1465.4 | 1466.0 |
| 15° | 1461.0 | 1459.5 | 1457.9 | 1456.4 | 1454.8 | 1451.4 | 1446.0 | 1440.5 | 1435.1 | 1429.7 | 1429.4 |
| 17.5° | 1426.4 | 1424.0 | 1421.7 | 1419.3 | 1416.9 | 1412.3 | 1405.5 | 1398.7 | 1391.8 | 1385.0 | 1383.7 |
| 20° | 1399.5 | 1396.9 | 1394.3 | 1391.7 | 1389.1 | 1383.7 | 1375.4 | 1367.2 | 1358.9 | 1350.7 | 1349.4 |
| 22.5° | 1369.7 | 1367.1 | 1364.5 | 1361.9 | 1359.3 | 1353.8 | 1345.1 | 1336.4 | 1327.7 | 1319.0 | 1316.5 |
| 25° | 1325.1 | 1321.2 | 1317.3 | 1313.5 | 1309.6 | 1302.9 | 1293.3 | 1283.8 | 1274.2 | 1264.6 | 1261.3 |
| 27.5° | 1273.9 | 1269.2 | 1264.5 | 1259.8 | 1255.1 | 1247.7 | 1237.4 | 1227.2 | 1216.9 | 1206.7 | 1202.0 |
| 30° | 1236.7 | 1231.8 | 1226.9 | 1222.0 | 1217.1 | 1209.2 | 1198.3 | 1187.5 | 1176.6 | 1165.8 | 1159.9 |
| 32.5° | 1200.4 | 1194.7 | 1189.0 | 1183.3 | 1177.5 | 1169.2 | 1158.0 | 1147.0 | 1135.9 | 1124.9 | 1118.4 |
| 35° | 1141.4 | 1135.2 | 1129.0 | 1122.8 | 1116.6 | 1107.7 | 1096.1 | 1084.4 | 1072.8 | 1061.2 | 1053.7 |
| 37.5° | 1083.5 | 1076.0 | 1068.4 | 1060.9 | 1053.3 | 1043.6 | 1031.6 | 1019.6 | 1007.6 | 995.7 | 986.6 |
| 40° | 1042.6 | 1034.8 | 1027.1 | 1019.3 | 1011.6 | 1001.5 | 989.1 | 976.7 | 964.3 | 951.9 | 942.1 |
| 42.5° | 999.8 | 991.9 | 984.0 | 975.9 | 968.0 | 957.6 | 944.8 | 932.0 | 919.2 | 906.4 | 897.0 |
| 45° | 934.5 | 927.0 | 919.5 | 912.1 | 904.6 | 893.7 | 879.5 | 865.3 | 851.1 | 836.9 | 826.6 |
| 47.5° | 866.9 | 858.9 | 851.0 | 843.2 | 835.3 | 824.1 | 809.9 | 795.5 | 781.2 | 766.9 | 756.2 |
| 50° | 824.1 | 815.5 | 807.0 | 798.5 | 790.0 | 778.3 | 763.6 | 748.9 | 734.2 | 719.5 | 708.6 |
| 52.5° | 777.6 | 768.9 | 760.1 | 751.4 | 742.7 | 731.3 | 717.5 | 703.5 | 689.7 | 675.8 | 664.1 |
| 55° | 709.0 | 700.8 | 692.5 | 684.2 | 676.0 | 664.6 | 650.1 | 635.7 | 621.2 | 606.7 | 595.1 |
| 57.5° | 639.7 | 630.9 | 622.1 | 613.2 | 604.4 | 593.1 | 579.1 | 565.2 | 551.2 | 537.3 | 525.9 |
| 60° | 595.1 | 586.1 | 577.0 | 568.0 | 559.0 | 547.4 | 533.5 | 519.5 | 505.6 | 491.6 | 480.3 |
| 62.5° | 547.7 | 539.1 | 530.5 | 521.8 | 513.2 | 501.8 | 487.7 | 473.5 | 459.3 | 445.1 | 434.6 |
| 65° | 480.0 | 471.2 | 462.4 | 453.7 | 444.9 | 433.7 | 420.0 | 406.3 | 392.6 | 378.9 | 368.6 |
| 67.5° | 412.8 | 404.1 | 395.3 | 386.5 | 377.7 | 366.8 | 353.6 | 340.5 | 327.4 | 314.3 | 304.9 |
| 70° | 367.3 | 358.5 | 349.7 | 341.0 | 332.2 | 321.3 | 308.4 | 295.5 | 282.6 | 269.7 | 261.7 |
| 72.5° | 322.7 | 314.1 | 305.5 | 297.0 | 288.3 | 278.0 | 266.0 | 253.8 | 241.8 | 229.7 | 222.3 |
| 75° | 255.7 | 248.0 | 240.2 | 232.5 | 224.7 | 215.4 | 204.6 | 193.7 | 182.9 | 172.0 | 166.3 |
| 77.5° | 189.2 | 183.0 | 176.8 | 170.7 | 164.5 | 157.0 | 148.4 | 139.7 | 131.0 | 122.3 | 118.3 |
| 80° | 151.1 | 144.9 | 138.7 | 132.5 | 126.3 | 119.6 | 112.4 | 105.1 | 97.9 | 90.7 | 88.3 |
| 82.5° | 113.9 | 108.3 | 102.7 | 97.2 | 91.6 | 86.4 | 81.4 | 76.4 | 71.5 | 66.5 | 65.4 |
| 85° | 63.9 | 59.2 | 54.6 | 49.9 | 45.3 | 42.4 | 41.1 | 39.8 | 38.5 | 37.2 | 36.9 |
| 87.5° | 21.6 | 20.7 | 19.7 | 18.7 | 17.7 | 17.3 | 17.5 | 17.7 | 17.9 | 18.1 | 18.4 |
| 90° | 1.3 | 3.6 | 5.9 | 8.3 | 10.5 | 12.7 | 14.7 | 16.7 | 18.8 | 20.8 | 22.2 |
| 92.5° | 31.4 | 33.1 | 34.7 | 36.2 | 37.9 | 40.0 | 42.4 | 44.9 | 47.4 | 49.9 | 51.7 |
| 95° | 84.4 | 85.0 | 85.6 | 86.1 | 86.7 | 88.4 | 91.4 | 94.2 | 97.1 | 100.0 | 102.0 |
| 97.5° | 140.3 | 140.4 | 140.7 | 140.9 | 141.2 | 143.3 | 147.2 | 151.3 | 155.2 | 159.2 | 161.1 |
| 100° | 181.8 | 181.8 | 181.8 | 181.8 | 181.8 | 183.7 | 187.4 | 191.1 | 194.9 | 198.6 | 201.3 |
| 102.5° | 226.4 | 227.6 | 228.8 | 229.9 | 231.1 | 232.6 | 234.5 | 236.4 | 238.3 | 240.2 | 243.1 |
| 105° | 296.1 | 297.5 | 298.9 | 300.4 | 301.9 | 303.4 | 305.1 | 306.9 | 308.6 | 310.4 | 312.1 |
| 107.5° | 372.9 | 374.4 | 375.8 | 377.3 | 378.7 | 380.1 | 381.4 | 382.7 | 384.1 | 385.4 | 386.2 |
| 110° | 425.9 | 427.4 | 428.8 | 430.2 | 431.7 | 432.8 | 433.7 | 434.5 | 435.4 | 436.3 | 437.1 |



TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 479.9 | 480.7 | 481.5 | 482.2 | 482.9 | 483.9 | 484.9 | 486.0 | 487.2 | 488.3 | 488.6 |
| 115° | 559.6 | 560.9 | 562.0 | 563.1 | 564.3 | 565.2 | 565.8 | 566.3 | 566.9 | 567.5 | 567.1 |
| 117.5° | 639.6 | 640.2 | 640.7 | 641.2 | 641.7 | 642.2 | 642.7 | 643.3 | 643.8 | 644.4 | 644.5 |
| 120° | 689.5 | 691.0 | 692.4 | 693.9 | 695.3 | 696.1 | 696.5 | 696.7 | 697.0 | 697.3 | 697.3 |
| 122.5° | 743.6 | 744.1 | 744.6 | 745.1 | 745.6 | 746.2 | 747.0 | 747.8 | 748.5 | 749.2 | 749.0 |
| 125° | 816.7 | 818.5 | 820.3 | 822.0 | 823.7 | 824.8 | 825.0 | 825.3 | 825.6 | 825.9 | 825.3 |
| 127.5° | 894.7 | 895.7 | 896.6 | 897.6 | 898.6 | 899.3 | 899.7 | 900.0 | 900.3 | 900.7 | 900.3 |
| 130° | 941.4 | 942.9 | 944.3 | 945.7 | 947.2 | 948.2 | 948.8 | 949.3 | 949.9 | 950.5 | 950.2 |
| 132.5° | 988.2 | 990.6 | 992.9 | 995.3 | 997.6 | 998.8 | 998.7 | 998.5 | 998.4 | 998.3 | 998.0 |
| 135° | 1062.2 | 1063.9 | 1065.7 | 1067.4 | 1069.1 | 1070.1 | 1070.4 | 1070.7 | 1071.0 | 1071.3 | 1071.3 |
| 137.5° | 1131.8 | 1133.5 | 1135.1 | 1136.8 | 1138.5 | 1139.6 | 1140.3 | 1140.9 | 1141.5 | 1142.2 | 1142.5 |
| 140° | 1176.5 | 1177.9 | 1179.3 | 1180.8 | 1182.2 | 1183.4 | 1184.2 | 1185.2 | 1186.0 | 1186.9 | 1187.4 |
| 142.5° | 1221.2 | 1222.4 | 1223.6 | 1224.8 | 1226.0 | 1227.1 | 1228.2 | 1229.3 | 1230.5 | 1231.5 | 1231.8 |
| 145° | 1286.9 | 1288.0 | 1289.2 | 1290.3 | 1291.5 | 1292.4 | 1293.3 | 1294.2 | 1295.0 | 1295.9 | 1295.9 |
| 147.5° | 1347.6 | 1348.2 | 1348.8 | 1349.5 | 1350.1 | 1350.8 | 1351.5 | 1352.2 | 1352.9 | 1353.6 | 1354.3 |
| 150° | 1388.1 | 1387.8 | 1387.6 | 1387.2 | 1387.0 | 1387.4 | 1388.5 | 1389.7 | 1390.9 | 1392.1 | 1392.1 |
| 152.5° | 1421.3 | 1421.8 | 1422.2 | 1422.5 | 1423.0 | 1423.4 | 1423.9 | 1424.4 | 1424.8 | 1425.3 | 1426.0 |
| 155° | 1472.6 | 1472.6 | 1472.6 | 1472.6 | 1472.6 | 1472.7 | 1473.0 | 1473.3 | 1473.5 | 1473.9 | 1475.0 |
| 157.5° | 1518.2 | 1517.6 | 1517.0 | 1516.3 | 1515.7 | 1515.5 | 1515.8 | 1516.1 | 1516.4 | 1516.7 | 1517.9 |
| 160° | 1545.2 | 1544.4 | 1543.5 | 1542.7 | 1541.8 | 1541.5 | 1541.8 | 1542.1 | 1542.4 | 1542.7 | 1543.8 |
| 162.5° | 1569.2 | 1568.5 | 1567.9 | 1567.3 | 1566.6 | 1566.3 | 1566.3 | 1566.4 | 1566.5 | 1566.5 | 1568.0 |
| 165° | 1601.1 | 1600.5 | 1599.9 | 1599.4 | 1598.8 | 1598.6 | 1599.0 | 1599.2 | 1599.5 | 1599.8 | 1600.9 |
| 167.5° | 1628.1 | 1626.9 | 1625.8 | 1624.6 | 1623.5 | 1622.9 | 1622.9 | 1622.9 | 1622.9 | 1622.9 | 1624.6 |
| 170° | 1642.6 | 1641.5 | 1640.3 | 1639.2 | 1638.1 | 1637.4 | 1637.4 | 1637.4 | 1637.4 | 1637.4 | 1639.2 |
| 172.5° | 1653.0 | 1651.9 | 1650.7 | 1649.6 | 1648.4 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1647.9 | 1649.6 |
| 175° | 1664.7 | 1663.5 | 1662.4 | 1661.2 | 1660.1 | 1659.5 | 1659.5 | 1659.5 | 1659.5 | 1659.5 | 1661.2 |
| 177.5° | 1670.7 | 1669.7 | 1668.9 | 1667.9 | 1667.0 | 1666.4 | 1666.2 | 1665.9 | 1665.7 | 1665.5 | 1666.9 |
| 180° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |



TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 | 1539.0 |
| 2.5° | 1533.8 | 1535.9 | 1537.9 | 1538.8 | 1538.6 | 1538.4 | 1538.2 | 1538.0 |
| 5° | 1524.3 | 1526.9 | 1529.5 | 1530.5 | 1530.0 | 1529.5 | 1529.0 | 1528.4 |
| 7.5° | 1505.4 | 1507.2 | 1509.0 | 1509.6 | 1509.0 | 1508.5 | 1507.9 | 1507.3 |
| 10° | 1489.4 | 1490.1 | 1490.9 | 1490.9 | 1490.1 | 1489.4 | 1488.6 | 1487.8 |
| 12.5° | 1466.6 | 1467.1 | 1467.7 | 1467.4 | 1466.2 | 1465.1 | 1463.9 | 1462.7 |
| 15° | 1429.2 | 1428.9 | 1428.7 | 1427.4 | 1425.0 | 1422.7 | 1420.4 | 1418.1 |
| 17.5° | 1382.4 | 1381.1 | 1379.8 | 1378.3 | 1376.3 | 1374.4 | 1372.5 | 1370.6 |
| 20° | 1348.1 | 1346.8 | 1345.5 | 1343.7 | 1341.4 | 1339.0 | 1336.7 | 1334.4 |
| 22.5° | 1314.0 | 1311.4 | 1308.9 | 1306.7 | 1304.8 | 1302.9 | 1300.9 | 1299.0 |
| 25° | 1257.9 | 1254.6 | 1251.2 | 1248.1 | 1245.3 | 1242.4 | 1239.6 | 1236.7 |
| 27.5° | 1197.3 | 1192.7 | 1187.9 | 1184.2 | 1181.5 | 1178.7 | 1176.0 | 1173.3 |
| 30° | 1153.9 | 1148.0 | 1142.0 | 1137.9 | 1135.6 | 1133.2 | 1130.9 | 1128.6 |
| 32.5° | 1111.8 | 1105.2 | 1098.6 | 1093.9 | 1091.0 | 1088.0 | 1085.0 | 1082.1 |
| 35° | 1046.2 | 1038.7 | 1031.2 | 1025.7 | 1022.1 | 1018.5 | 1014.9 | 1011.2 |
| 37.5° | 977.7 | 968.7 | 959.7 | 953.5 | 949.9 | 946.4 | 942.9 | 939.4 |
| 40° | 932.3 | 922.5 | 912.7 | 906.2 | 903.1 | 900.0 | 896.9 | 893.8 |
| 42.5° | 887.6 | 878.1 | 868.7 | 861.8 | 857.2 | 852.7 | 848.2 | 843.6 |
| 45° | 816.2 | 805.9 | 795.6 | 788.4 | 784.5 | 780.7 | 776.8 | 772.9 |
| 47.5° | 745.6 | 734.9 | 724.4 | 716.9 | 712.6 | 708.3 | 704.0 | 699.7 |
| 50° | 697.8 | 686.9 | 676.1 | 668.7 | 664.9 | 661.0 | 657.1 | 653.2 |
| 52.5° | 652.5 | 640.8 | 629.0 | 621.3 | 617.4 | 613.5 | 609.7 | 605.8 |
| 55° | 583.5 | 571.9 | 560.3 | 552.3 | 548.2 | 544.1 | 539.9 | 535.8 |
| 57.5° | 514.5 | 503.2 | 491.8 | 484.2 | 480.6 | 476.9 | 473.2 | 469.6 |
| 60° | 468.9 | 457.5 | 446.2 | 438.6 | 434.7 | 430.8 | 427.0 | 423.1 |
| 62.5° | 424.1 | 413.5 | 403.0 | 395.8 | 391.9 | 388.1 | 384.2 | 380.3 |
| 65° | 358.3 | 347.9 | 337.6 | 330.5 | 326.6 | 322.7 | 318.8 | 315.0 |
| 67.5° | 295.4 | 285.9 | 276.5 | 270.2 | 267.1 | 264.0 | 260.9 | 257.8 |
| 70° | 253.7 | 245.6 | 237.6 | 232.0 | 228.9 | 225.8 | 222.7 | 219.6 |
| 72.5° | 214.9 | 207.5 | 200.1 | 195.4 | 193.3 | 191.2 | 189.2 | 187.1 |
| 75° | 160.7 | 155.0 | 149.3 | 145.5 | 143.7 | 141.9 | 140.1 | 138.3 |
| 77.5° | 114.3 | 110.4 | 106.3 | 103.7 | 102.4 | 101.0 | 99.7 | 98.3 |
| 80° | 86.0 | 83.7 | 81.4 | 79.9 | 79.4 | 78.9 | 78.4 | 77.8 |
| 82.5° | 64.3 | 63.2 | 62.2 | 61.5 | 61.1 | 60.8 | 60.5 | 60.2 |
| 85° | 36.7 | 36.4 | 36.2 | 35.9 | 35.6 | 35.4 | 35.1 | 34.9 |
| 87.5° | 18.7 | 18.9 | 19.3 | 19.4 | 19.4 | 19.3 | 19.3 | 19.3 |
| 90° | 23.7 | 25.1 | 26.5 | 27.7 | 28.6 | 29.4 | 30.3 | 31.2 |
| 92.5° | 53.6 | 55.5 | 57.5 | 58.7 | 59.4 | 60.0 | 60.6 | 61.3 |
| 95° | 104.0 | 106.1 | 108.1 | 109.3 | 109.9 | 110.6 | 111.1 | 111.7 |
| 97.5° | 163.0 | 164.9 | 166.8 | 168.0 | 168.3 | 168.7 | 169.0 | 169.4 |
| 100° | 203.9 | 206.5 | 209.1 | 210.7 | 211.2 | 211.8 | 212.4 | 212.9 |
| 102.5° | 245.9 | 248.7 | 251.5 | 253.4 | 254.2 | 254.9 | 255.8 | 256.6 |
| 105° | 313.8 | 315.6 | 317.3 | 318.6 | 319.4 | 320.3 | 321.2 | 322.0 |
| 107.5° | 387.1 | 388.0 | 388.8 | 389.3 | 389.2 | 389.2 | 389.1 | 389.0 |
| 110° | 438.1 | 438.9 | 439.8 | 440.1 | 439.8 | 439.5 | 439.2 | 438.9 |



TEST NUMBER: P333719-935

CATALOG NUMBER: S125RDIW-S1090D1560U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 489.0 | 489.5 | 489.8 | 489.8 | 489.3 | 488.8 | 488.3 | 487.8 |
| 115° | 566.9 | 566.6 | 566.3 | 566.0 | 565.8 | 565.4 | 565.2 | 564.9 |
| 117.5° | 644.8 | 645.1 | 645.2 | 644.8 | 643.6 | 642.5 | 641.4 | 640.2 |
| 120° | 697.3 | 697.3 | 697.3 | 696.7 | 695.6 | 694.4 | 693.3 | 692.2 |
| 122.5° | 748.8 | 748.6 | 748.3 | 747.8 | 746.8 | 745.9 | 744.9 | 744.1 |
| 125° | 824.8 | 824.1 | 823.5 | 823.1 | 822.9 | 822.5 | 822.3 | 822.0 |
| 127.5° | 900.1 | 899.8 | 899.5 | 899.1 | 898.5 | 897.9 | 897.3 | 896.7 |
| 130° | 949.9 | 949.7 | 949.3 | 948.9 | 948.4 | 947.8 | 947.2 | 946.7 |
| 132.5° | 997.7 | 997.5 | 997.1 | 996.6 | 995.8 | 995.0 | 994.2 | 993.3 |
| 135° | 1071.3 | 1071.3 | 1071.3 | 1070.7 | 1069.5 | 1068.4 | 1067.2 | 1066.1 |
| 137.5° | 1142.9 | 1143.2 | 1143.6 | 1143.1 | 1141.6 | 1140.1 | 1138.7 | 1137.2 |
| 140° | 1188.0 | 1188.6 | 1189.1 | 1188.7 | 1187.3 | 1185.9 | 1184.4 | 1182.9 |
| 142.5° | 1232.2 | 1232.5 | 1233.0 | 1232.3 | 1230.9 | 1229.5 | 1228.0 | 1226.6 |
| 145° | 1295.9 | 1295.9 | 1295.9 | 1295.5 | 1294.6 | 1293.7 | 1292.9 | 1292.0 |
| 147.5° | 1355.0 | 1355.6 | 1356.3 | 1355.7 | 1353.8 | 1351.8 | 1349.9 | 1347.9 |
| 150° | 1392.1 | 1392.1 | 1392.1 | 1391.7 | 1391.1 | 1390.6 | 1390.0 | 1389.4 |
| 152.5° | 1426.7 | 1427.4 | 1428.1 | 1427.9 | 1426.8 | 1425.8 | 1424.8 | 1423.7 |
| 155° | 1476.1 | 1477.3 | 1478.4 | 1478.3 | 1476.9 | 1475.4 | 1473.9 | 1472.6 |
| 157.5° | 1519.0 | 1520.2 | 1521.3 | 1521.0 | 1519.0 | 1517.1 | 1515.2 | 1513.3 |
| 160° | 1545.0 | 1546.1 | 1547.3 | 1547.1 | 1545.7 | 1544.2 | 1542.8 | 1541.4 |
| 162.5° | 1569.3 | 1570.7 | 1572.1 | 1571.9 | 1570.3 | 1568.6 | 1566.9 | 1565.2 |
| 165° | 1602.1 | 1603.3 | 1604.4 | 1604.1 | 1602.4 | 1600.7 | 1599.0 | 1597.2 |
| 167.5° | 1626.3 | 1628.1 | 1629.8 | 1629.8 | 1628.0 | 1626.3 | 1624.4 | 1622.6 |
| 170° | 1640.9 | 1642.6 | 1644.3 | 1644.3 | 1642.2 | 1640.2 | 1638.1 | 1636.2 |
| 172.5° | 1651.3 | 1653.0 | 1654.8 | 1654.8 | 1652.9 | 1651.1 | 1649.3 | 1647.6 |
| 175° | 1663.0 | 1664.7 | 1666.5 | 1666.3 | 1664.3 | 1662.2 | 1660.3 | 1658.2 |
| 177.5° | 1668.3 | 1669.7 | 1671.0 | 1670.9 | 1669.3 | 1667.7 | 1666.0 | 1664.5 |
| 180° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |

(END OF REPORT)