

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: P333456

Luminaire Tested: **S125DIW-S1090D1560U835-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333456
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: S125DIW-S1090D1560U835-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10505.1 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

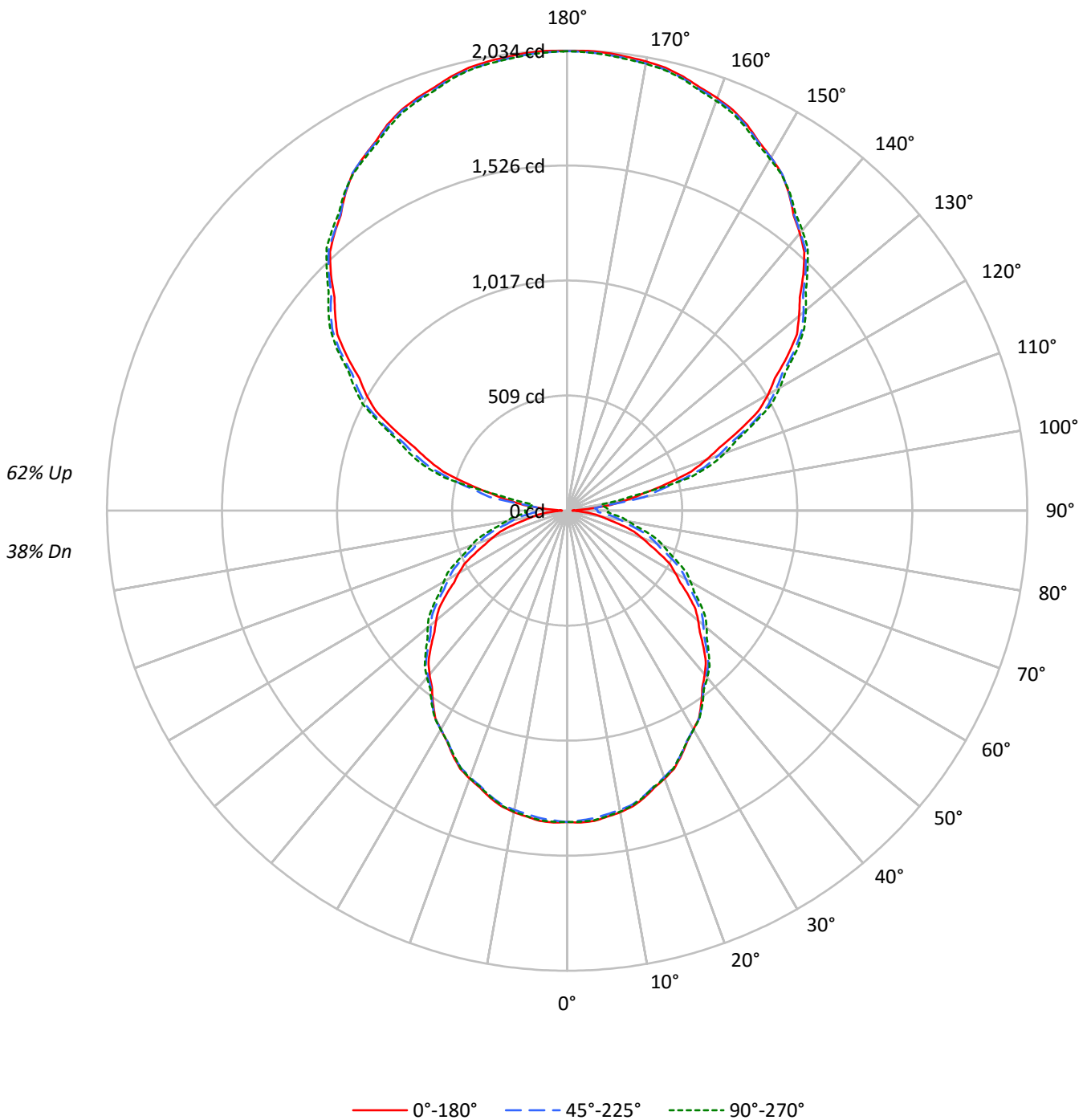
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

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 | 90 | 86 | 82 | 86 | 82 | 78 | 75 | 66 | 64 | 62 | 52 | 51 | 49 | 39 | 38 | 37 | 31 |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 45 | 43 | 40 | 34 | 32 | 31 | 25 |
| 3 | 78 | 69 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 40 | 37 | 34 | 30 | 28 | 26 | 21 |
| 4 | 71 | 61 | 53 | 47 | 64 | 55 | 48 | 43 | 45 | 40 | 36 | 35 | 32 | 29 | 27 | 24 | 22 | 18 |
| 5 | 65 | 54 | 46 | 40 | 59 | 49 | 42 | 37 | 40 | 35 | 31 | 32 | 28 | 25 | 24 | 21 | 19 | 16 |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 29 | 25 | 22 | 22 | 19 | 17 | 14 |
| 7 | 56 | 43 | 35 | 30 | 50 | 40 | 33 | 28 | 33 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 |
| 8 | 51 | 39 | 32 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 21 | 24 | 20 | 17 | 18 | 15 | 13 | 11 |
| 9 | 48 | 36 | 28 | 23 | 43 | 33 | 26 | 22 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 |
| 10 | 45 | 33 | 25 | 21 | 40 | 30 | 24 | 19 | 25 | 20 | 16 | 20 | 16 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8893 | 8893 | 8893 |
| 5° | 8911 | 8729 | 8756 |
| 10° | 8847 | 8573 | 8560 |
| 15° | 8743 | 8387 | 8310 |
| 20° | 8601 | 8156 | 8061 |
| 25° | 8432 | 7909 | 7752 |
| 30° | 8227 | 7637 | 7473 |
| 35° | 8036 | 7388 | 7217 |
| 40° | 7841 | 7125 | 6959 |
| 45° | 7621 | 6900 | 6730 |
| 50° | 7412 | 6656 | 6528 |
| 55° | 7159 | 6425 | 6290 |
| 60° | 6883 | 6162 | 6048 |
| 65° | 6596 | 5888 | 5775 |
| 70° | 6269 | 5512 | 5495 |
| 75° | 5751 | 5151 | 5149 |
| 80° | 5072 | 4712 | 4775 |
| 85° | 4441 | 4417 | 4657 |



TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 130.2 | 1.2 |
| 10°-20° | 369.6 | 3.5 |
| 20°-30° | 549.7 | 5.2 |
| 30°-40° | 651.1 | 6.2 |
| 40°-50° | 673.2 | 6.4 |
| 50°-60° | 620.1 | 5.9 |
| 60°-70° | 501.3 | 4.8 |
| 70°-80° | 335.7 | 3.2 |
| 80°-90° | 178.3 | 1.7 |
| 90°-100° | 171.5 | 1.6 |
| 100°-110° | 526.8 | 5.0 |
| 110°-120° | 873.1 | 8.3 |
| 120°-130° | 1086.0 | 10.3 |
| 130°-140° | 1150.6 | 11.0 |
| 140°-150° | 1071.2 | 10.2 |
| 150°-160° | 864.6 | 8.2 |
| 160°-170° | 559.1 | 5.3 |
| 170°-180° | 192.9 | 1.8 |
| 0°-30° | 1049.5 | 10.0 |
| 0°-40° | 1700.6 | 16.2 |
| 0°-60° | 2994.0 | 28.5 |
| 0°-90° | 4009.3 | 38.2 |
| 90°-120° | 1571.5 | 15.0 |
| 90°-150° | 4879.3 | 46.4 |
| 90°-180° | 6496.0 | 61.8 |
| 0°-180° | 10505.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1377 | 1377 | 1377 | 1377 | 1377 | |
| 5° | 1377 | 1374 | 1365 | 1375 | 1374 | 131 |
| 15° | 1315 | 1316 | 1307 | 1314 | 1310 | 370 |
| 25° | 1195 | 1198 | 1191 | 1195 | 1189 | 550 |
| 35° | 1034 | 1043 | 1040 | 1043 | 1044 | 647 |
| 45° | 852 | 866 | 873 | 882 | 884 | 657 |
| 55° | 655 | 676 | 698 | 712 | 718 | 585 |
| 65° | 451 | 482 | 514 | 534 | 540 | 447 |
| 75° | 248 | 284 | 327 | 353 | 360 | 263 |
| 85° | 74 | 119 | 166 | 195 | 206 | 79 |
| 90° | 23 | 78 | 135 | 172 | 187 | 18 |
| 95° | 103 | 132 | 123 | 158 | 169 | 123 |
| 105° | 455 | 483 | 523 | 549 | 558 | 482 |
| 115° | 839 | 857 | 893 | 910 | 910 | 831 |
| 125° | 1187 | 1197 | 1223 | 1238 | 1241 | 1060 |
| 135° | 1476 | 1484 | 1491 | 1504 | 1503 | 1138 |
| 145° | 1710 | 1712 | 1712 | 1719 | 1716 | 1069 |
| 155° | 1882 | 1873 | 1876 | 1879 | 1868 | 867 |
| 165° | 1986 | 1977 | 1978 | 1986 | 1975 | 561 |
| 175° | 2031 | 2022 | 2023 | 2034 | 2022 | 193 |
| 180° | 2031 | 2031 | 2031 | 2031 | 2031 | |



TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 |
| 2.5° | 1380.2 | 1379.7 | 1379.2 | 1378.8 | 1378.3 | 1377.2 | 1375.5 | 1373.8 | 1372.2 | 1370.5 | 1372.2 |
| 5° | 1377.0 | 1376.4 | 1375.8 | 1375.2 | 1374.6 | 1373.2 | 1371.1 | 1369.0 | 1366.9 | 1364.8 | 1367.2 |
| 7.5° | 1364.8 | 1364.6 | 1364.3 | 1364.1 | 1363.9 | 1362.7 | 1360.5 | 1358.3 | 1356.2 | 1354.0 | 1356.1 |
| 10° | 1354.0 | 1354.0 | 1354.0 | 1354.0 | 1354.0 | 1352.8 | 1350.4 | 1348.0 | 1345.6 | 1343.2 | 1345.3 |
| 12.5° | 1338.9 | 1339.1 | 1339.4 | 1339.6 | 1339.9 | 1339.0 | 1337.1 | 1335.2 | 1333.3 | 1331.3 | 1333.0 |
| 15° | 1314.9 | 1315.2 | 1315.5 | 1315.8 | 1316.1 | 1315.2 | 1313.1 | 1311.0 | 1308.9 | 1306.8 | 1308.6 |
| 17.5° | 1283.5 | 1284.1 | 1284.7 | 1285.3 | 1285.9 | 1285.2 | 1283.1 | 1281.0 | 1278.9 | 1276.8 | 1278.2 |
| 20° | 1260.9 | 1261.5 | 1262.1 | 1262.7 | 1263.3 | 1262.5 | 1260.4 | 1258.3 | 1256.2 | 1254.1 | 1255.0 |
| 22.5° | 1234.9 | 1236.0 | 1237.1 | 1238.2 | 1239.3 | 1238.6 | 1236.3 | 1234.0 | 1231.6 | 1229.3 | 1230.4 |
| 25° | 1194.7 | 1195.6 | 1196.5 | 1197.4 | 1198.3 | 1197.9 | 1196.1 | 1194.3 | 1192.5 | 1190.7 | 1191.9 |
| 27.5° | 1149.9 | 1151.2 | 1152.5 | 1153.9 | 1155.2 | 1154.8 | 1152.8 | 1150.7 | 1148.7 | 1146.7 | 1147.5 |
| 30° | 1116.4 | 1118.2 | 1120.0 | 1121.8 | 1123.6 | 1123.6 | 1121.8 | 1120.0 | 1118.2 | 1116.4 | 1117.0 |
| 32.5° | 1086.2 | 1087.7 | 1089.3 | 1090.9 | 1092.4 | 1092.5 | 1091.2 | 1089.9 | 1088.6 | 1087.3 | 1087.9 |
| 35° | 1034.1 | 1036.2 | 1038.3 | 1040.4 | 1042.5 | 1043.1 | 1042.2 | 1041.3 | 1040.4 | 1039.5 | 1040.4 |
| 37.5° | 982.0 | 983.9 | 985.8 | 987.7 | 989.6 | 990.5 | 990.2 | 989.9 | 989.6 | 989.3 | 990.5 |
| 40° | 946.3 | 948.7 | 951.1 | 953.5 | 955.9 | 957.0 | 956.7 | 956.4 | 956.1 | 955.8 | 957.0 |
| 42.5° | 907.4 | 910.6 | 913.7 | 916.8 | 919.9 | 921.8 | 922.5 | 923.1 | 923.8 | 924.5 | 925.9 |
| 45° | 851.8 | 855.1 | 858.4 | 861.7 | 865.0 | 867.4 | 868.9 | 870.4 | 871.9 | 873.4 | 875.5 |
| 47.5° | 794.9 | 797.9 | 801.0 | 804.0 | 807.1 | 809.9 | 812.5 | 815.1 | 817.7 | 820.2 | 823.3 |
| 50° | 756.0 | 759.3 | 762.6 | 765.9 | 769.2 | 772.5 | 775.8 | 779.1 | 782.4 | 785.7 | 789.0 |
| 52.5° | 714.9 | 719.0 | 723.0 | 727.0 | 731.0 | 735.0 | 739.1 | 743.1 | 747.1 | 751.1 | 754.7 |
| 55° | 654.7 | 659.5 | 664.3 | 669.1 | 673.9 | 678.7 | 683.5 | 688.3 | 693.1 | 697.9 | 701.2 |
| 57.5° | 593.2 | 598.9 | 604.7 | 610.5 | 616.2 | 621.9 | 627.4 | 632.9 | 638.4 | 643.9 | 647.7 |
| 60° | 552.1 | 558.1 | 564.1 | 570.1 | 576.1 | 582.1 | 588.1 | 594.1 | 600.1 | 606.1 | 610.6 |
| 62.5° | 512.2 | 518.2 | 524.2 | 530.2 | 536.2 | 542.4 | 548.9 | 555.4 | 561.9 | 568.3 | 573.3 |
| 65° | 450.9 | 457.8 | 464.7 | 471.6 | 478.5 | 485.5 | 492.7 | 499.9 | 507.1 | 514.3 | 518.8 |
| 67.5° | 393.1 | 399.8 | 406.4 | 413.1 | 419.7 | 426.7 | 434.1 | 441.4 | 448.7 | 456.0 | 461.5 |
| 70° | 351.0 | 357.9 | 364.8 | 371.7 | 378.6 | 385.9 | 393.7 | 401.5 | 409.3 | 417.1 | 422.8 |
| 72.5° | 310.0 | 317.1 | 324.2 | 331.4 | 338.5 | 346.3 | 354.9 | 363.4 | 371.9 | 380.4 | 386.6 |
| 75° | 248.4 | 256.2 | 264.0 | 271.8 | 279.6 | 288.3 | 297.9 | 307.5 | 317.1 | 326.7 | 332.7 |
| 77.5° | 189.3 | 198.3 | 207.3 | 216.3 | 225.3 | 234.4 | 243.6 | 252.9 | 262.1 | 271.3 | 277.9 |
| 80° | 152.5 | 161.5 | 170.5 | 179.5 | 188.5 | 198.1 | 208.3 | 218.5 | 228.7 | 238.9 | 245.5 |
| 82.5° | 119.1 | 128.5 | 138.0 | 147.5 | 157.0 | 166.9 | 177.4 | 187.8 | 198.3 | 208.7 | 215.1 |
| 85° | 74.2 | 84.1 | 94.0 | 103.9 | 113.8 | 124.0 | 134.5 | 145.0 | 155.5 | 166.0 | 172.6 |
| 87.5° | 42.4 | 52.6 | 62.7 | 72.8 | 83.0 | 93.4 | 104.0 | 114.7 | 125.4 | 136.0 | 143.3 |
| 90° | 23.1 | 35.4 | 47.7 | 59.9 | 72.2 | 84.6 | 97.2 | 109.7 | 122.2 | 134.8 | 143.4 |
| 92.5° | 42.6 | 49.6 | 56.6 | 63.6 | 70.6 | 80.4 | 92.9 | 105.4 | 117.9 | 130.5 | 138.8 |
| 95° | 103.4 | 110.2 | 116.9 | 123.7 | 130.5 | 132.7 | 130.2 | 127.7 | 125.1 | 122.6 | 130.9 |
| 97.5° | 195.1 | 203.9 | 212.7 | 221.5 | 230.4 | 227.1 | 211.8 | 196.5 | 181.2 | 165.9 | 162.7 |
| 100° | 266.2 | 273.5 | 280.9 | 288.2 | 295.5 | 304.6 | 315.5 | 326.5 | 337.4 | 348.3 | 304.8 |
| 102.5° | 338.6 | 345.7 | 352.8 | 359.9 | 367.0 | 375.6 | 385.8 | 395.9 | 406.1 | 416.3 | 412.9 |
| 105° | 454.7 | 460.9 | 467.0 | 473.1 | 479.3 | 486.8 | 495.8 | 504.8 | 513.8 | 522.8 | 528.8 |
| 107.5° | 575.3 | 579.4 | 583.5 | 587.6 | 591.7 | 598.4 | 607.7 | 617.0 | 626.3 | 635.6 | 641.6 |
| 110° | 653.7 | 657.3 | 660.9 | 664.5 | 668.1 | 674.5 | 683.5 | 692.6 | 701.7 | 710.8 | 715.4 |



TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 728.4 | 732.1 | 735.8 | 739.5 | 743.1 | 749.3 | 757.8 | 766.4 | 774.9 | 783.5 | 787.7 |
| 115° | 839.1 | 842.8 | 846.6 | 850.4 | 854.1 | 860.1 | 868.2 | 876.4 | 884.5 | 892.6 | 896.7 |
| 117.5° | 953.6 | 954.9 | 956.2 | 957.6 | 958.9 | 963.9 | 972.5 | 981.2 | 989.8 | 998.5 | 1001.8 |
| 120° | 1025.9 | 1026.4 | 1027.0 | 1027.6 | 1028.1 | 1032.4 | 1040.3 | 1048.2 | 1056.1 | 1064.0 | 1068.4 |
| 122.5° | 1088.6 | 1090.3 | 1092.0 | 1093.7 | 1095.4 | 1099.8 | 1106.9 | 1114.1 | 1121.2 | 1128.3 | 1132.5 |
| 125° | 1187.1 | 1189.1 | 1191.2 | 1193.2 | 1195.3 | 1199.3 | 1205.3 | 1211.3 | 1217.3 | 1223.3 | 1226.8 |
| 127.5° | 1280.0 | 1281.4 | 1282.7 | 1284.1 | 1285.5 | 1288.5 | 1293.2 | 1298.0 | 1302.7 | 1307.4 | 1311.1 |
| 130° | 1337.8 | 1339.2 | 1340.5 | 1341.9 | 1343.3 | 1346.2 | 1350.8 | 1355.3 | 1359.8 | 1364.4 | 1367.6 |
| 132.5° | 1394.5 | 1396.4 | 1398.3 | 1400.2 | 1402.0 | 1404.2 | 1406.7 | 1409.2 | 1411.7 | 1414.2 | 1418.2 |
| 135° | 1476.4 | 1478.1 | 1479.9 | 1481.6 | 1483.3 | 1484.8 | 1486.3 | 1487.7 | 1489.1 | 1490.6 | 1493.8 |
| 137.5° | 1551.7 | 1553.2 | 1554.7 | 1556.2 | 1557.7 | 1558.7 | 1559.1 | 1559.5 | 1559.9 | 1560.4 | 1564.0 |
| 140° | 1600.0 | 1600.7 | 1601.4 | 1602.0 | 1602.7 | 1603.0 | 1603.0 | 1603.0 | 1602.9 | 1602.9 | 1606.9 |
| 142.5° | 1644.6 | 1644.8 | 1644.9 | 1645.1 | 1645.2 | 1645.6 | 1646.1 | 1646.6 | 1647.2 | 1647.7 | 1650.7 |
| 145° | 1709.9 | 1710.3 | 1710.7 | 1711.0 | 1711.4 | 1711.6 | 1711.6 | 1711.6 | 1711.6 | 1711.6 | 1713.4 |
| 147.5° | 1765.8 | 1765.6 | 1765.5 | 1765.4 | 1765.2 | 1765.4 | 1765.8 | 1766.2 | 1766.6 | 1767.0 | 1767.9 |
| 150° | 1801.9 | 1801.2 | 1800.6 | 1799.9 | 1799.2 | 1799.2 | 1799.9 | 1800.6 | 1801.2 | 1801.9 | 1802.6 |
| 152.5° | 1836.8 | 1835.4 | 1833.9 | 1832.4 | 1830.9 | 1830.5 | 1831.2 | 1831.9 | 1832.6 | 1833.2 | 1833.9 |
| 155° | 1881.7 | 1879.7 | 1877.7 | 1875.7 | 1873.7 | 1873.0 | 1873.7 | 1874.3 | 1875.0 | 1875.7 | 1876.7 |
| 157.5° | 1916.3 | 1915.1 | 1913.9 | 1912.7 | 1911.5 | 1910.9 | 1911.0 | 1911.1 | 1911.1 | 1911.2 | 1912.3 |
| 160° | 1940.4 | 1938.4 | 1936.4 | 1934.4 | 1932.4 | 1931.5 | 1931.9 | 1932.2 | 1932.5 | 1932.9 | 1934.2 |
| 162.5° | 1959.7 | 1957.7 | 1955.7 | 1953.6 | 1951.6 | 1950.8 | 1951.1 | 1951.5 | 1951.8 | 1952.1 | 1954.0 |
| 165° | 1985.6 | 1983.6 | 1981.5 | 1979.5 | 1977.5 | 1976.7 | 1977.0 | 1977.4 | 1977.7 | 1978.0 | 1980.0 |
| 167.5° | 2004.8 | 2002.8 | 2000.7 | 1998.6 | 1996.5 | 1995.7 | 1996.0 | 1996.3 | 1996.7 | 1997.0 | 1999.4 |
| 170° | 2015.7 | 2013.3 | 2011.0 | 2008.6 | 2006.3 | 2005.3 | 2005.6 | 2006.0 | 2006.3 | 2006.6 | 2009.3 |
| 172.5° | 2022.9 | 2020.6 | 2018.2 | 2015.9 | 2013.5 | 2012.7 | 2013.3 | 2013.9 | 2014.5 | 2015.1 | 2017.5 |
| 175° | 2030.7 | 2028.7 | 2026.7 | 2024.7 | 2022.7 | 2021.9 | 2022.2 | 2022.5 | 2022.9 | 2023.2 | 2025.9 |
| 177.5° | 2034.3 | 2032.7 | 2031.1 | 2029.5 | 2027.9 | 2027.2 | 2027.5 | 2027.8 | 2028.0 | 2028.3 | 2030.2 |
| 180° | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 |



TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 | 1377.0 |
| 2.5° | 1373.8 | 1375.5 | 1377.2 | 1377.9 | 1377.7 | 1377.4 | 1377.2 | 1377.0 |
| 5° | 1369.6 | 1372.0 | 1374.4 | 1375.5 | 1375.2 | 1374.9 | 1374.6 | 1374.3 |
| 7.5° | 1358.2 | 1360.3 | 1362.4 | 1363.3 | 1363.0 | 1362.7 | 1362.4 | 1362.1 |
| 10° | 1347.4 | 1349.5 | 1351.6 | 1352.5 | 1352.2 | 1351.9 | 1351.6 | 1351.3 |
| 12.5° | 1334.6 | 1336.2 | 1337.8 | 1338.2 | 1337.5 | 1336.7 | 1335.9 | 1335.1 |
| 15° | 1310.4 | 1312.2 | 1314.0 | 1314.3 | 1313.1 | 1311.9 | 1310.7 | 1309.5 |
| 17.5° | 1279.6 | 1280.9 | 1282.3 | 1282.6 | 1281.9 | 1281.2 | 1280.5 | 1279.8 |
| 20° | 1255.9 | 1256.8 | 1257.7 | 1258.2 | 1258.2 | 1258.2 | 1258.2 | 1258.2 |
| 22.5° | 1231.6 | 1232.7 | 1233.8 | 1234.0 | 1233.3 | 1232.6 | 1231.9 | 1231.2 |
| 25° | 1193.1 | 1194.3 | 1195.5 | 1195.3 | 1193.8 | 1192.3 | 1190.8 | 1189.3 |
| 27.5° | 1148.3 | 1149.2 | 1150.0 | 1150.2 | 1149.6 | 1149.1 | 1148.5 | 1148.0 |
| 30° | 1117.6 | 1118.2 | 1118.8 | 1119.0 | 1118.7 | 1118.4 | 1118.1 | 1117.8 |
| 32.5° | 1088.5 | 1089.1 | 1089.7 | 1089.8 | 1089.5 | 1089.2 | 1088.9 | 1088.6 |
| 35° | 1041.3 | 1042.2 | 1043.1 | 1043.5 | 1043.5 | 1043.5 | 1043.5 | 1043.5 |
| 37.5° | 991.7 | 992.9 | 994.1 | 994.6 | 994.5 | 994.4 | 994.2 | 994.1 |
| 40° | 958.2 | 959.4 | 960.6 | 961.5 | 962.1 | 962.7 | 963.3 | 963.9 |
| 42.5° | 927.3 | 928.8 | 930.2 | 931.0 | 931.1 | 931.2 | 931.4 | 931.5 |
| 45° | 877.6 | 879.7 | 881.8 | 883.0 | 883.3 | 883.6 | 883.9 | 884.2 |
| 47.5° | 826.4 | 829.4 | 832.5 | 834.3 | 835.0 | 835.7 | 836.3 | 837.0 |
| 50° | 792.3 | 795.6 | 798.9 | 801.0 | 801.9 | 802.8 | 803.7 | 804.6 |
| 52.5° | 758.2 | 761.7 | 765.3 | 767.4 | 768.0 | 768.7 | 769.4 | 770.0 |
| 55° | 704.5 | 707.8 | 711.1 | 713.4 | 714.6 | 715.8 | 717.0 | 718.2 |
| 57.5° | 651.5 | 655.3 | 659.1 | 661.4 | 662.3 | 663.2 | 664.1 | 665.0 |
| 60° | 615.1 | 619.6 | 624.1 | 626.8 | 627.7 | 628.6 | 629.5 | 630.4 |
| 62.5° | 578.3 | 583.3 | 588.3 | 591.3 | 592.5 | 593.6 | 594.7 | 595.9 |
| 65° | 523.3 | 527.8 | 532.3 | 535.2 | 536.4 | 537.6 | 538.8 | 540.0 |
| 67.5° | 466.9 | 472.4 | 477.9 | 481.4 | 482.9 | 484.5 | 486.0 | 487.6 |
| 70° | 428.5 | 434.2 | 439.9 | 443.7 | 445.5 | 447.3 | 449.1 | 450.9 |
| 72.5° | 392.8 | 399.0 | 405.1 | 408.9 | 410.2 | 411.5 | 412.8 | 414.2 |
| 75° | 338.7 | 344.7 | 350.7 | 354.4 | 355.9 | 357.4 | 358.9 | 360.4 |
| 77.5° | 284.5 | 291.1 | 297.7 | 301.6 | 302.8 | 304.0 | 305.2 | 306.4 |
| 80° | 252.1 | 258.7 | 265.3 | 269.2 | 270.4 | 271.6 | 272.8 | 274.0 |
| 82.5° | 221.4 | 227.8 | 234.1 | 238.4 | 240.6 | 242.7 | 244.9 | 247.0 |
| 85° | 179.2 | 185.8 | 192.4 | 196.9 | 199.3 | 201.7 | 204.1 | 206.5 |
| 87.5° | 150.5 | 157.7 | 165.0 | 169.7 | 172.0 | 174.3 | 176.6 | 178.9 |
| 90° | 151.9 | 160.5 | 169.1 | 174.9 | 178.0 | 181.1 | 184.2 | 187.3 |
| 92.5° | 147.1 | 155.5 | 163.8 | 169.2 | 171.8 | 174.4 | 176.9 | 179.5 |
| 95° | 139.2 | 147.5 | 155.7 | 160.9 | 163.0 | 165.1 | 167.2 | 169.3 |
| 97.5° | 159.6 | 156.5 | 153.3 | 152.8 | 154.8 | 156.9 | 158.9 | 160.9 |
| 100° | 261.2 | 217.7 | 174.2 | 152.6 | 153.1 | 153.5 | 154.0 | 154.5 |
| 102.5° | 409.5 | 406.1 | 402.8 | 390.6 | 369.7 | 348.7 | 327.8 | 306.8 |
| 105° | 534.8 | 540.8 | 546.8 | 550.7 | 552.5 | 554.3 | 556.0 | 557.8 |
| 107.5° | 647.6 | 653.6 | 659.6 | 663.0 | 663.9 | 664.8 | 665.6 | 666.5 |
| 110° | 720.1 | 724.8 | 729.5 | 733.1 | 735.5 | 738.0 | 740.4 | 742.8 |



TEST NUMBER: P333456

CATALOG NUMBER: S125DIW-S1090D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 791.9 | 796.1 | 800.3 | 803.2 | 804.8 | 806.4 | 808.1 | 809.7 |
| 115° | 900.8 | 904.8 | 908.9 | 910.8 | 910.6 | 910.4 | 910.2 | 910.0 |
| 117.5° | 1005.2 | 1008.5 | 1011.9 | 1014.2 | 1015.3 | 1016.5 | 1017.7 | 1018.8 |
| 120° | 1072.8 | 1077.3 | 1081.7 | 1084.0 | 1084.1 | 1084.2 | 1084.4 | 1084.5 |
| 122.5° | 1136.7 | 1140.9 | 1145.1 | 1147.1 | 1147.0 | 1146.8 | 1146.7 | 1146.5 |
| 125° | 1230.2 | 1233.7 | 1237.1 | 1239.1 | 1239.6 | 1240.1 | 1240.6 | 1241.1 |
| 127.5° | 1314.8 | 1318.5 | 1322.2 | 1323.7 | 1323.0 | 1322.2 | 1321.5 | 1320.8 |
| 130° | 1370.8 | 1374.0 | 1377.2 | 1378.7 | 1378.5 | 1378.3 | 1378.2 | 1378.0 |
| 132.5° | 1422.2 | 1426.2 | 1430.2 | 1432.0 | 1431.6 | 1431.2 | 1430.8 | 1430.4 |
| 135° | 1497.0 | 1500.3 | 1503.5 | 1504.8 | 1504.3 | 1503.8 | 1503.3 | 1502.8 |
| 137.5° | 1567.7 | 1571.4 | 1575.1 | 1576.6 | 1576.1 | 1575.6 | 1575.0 | 1574.5 |
| 140° | 1610.8 | 1614.8 | 1618.8 | 1620.3 | 1619.5 | 1618.7 | 1617.9 | 1617.1 |
| 142.5° | 1653.6 | 1656.6 | 1659.5 | 1660.6 | 1659.8 | 1659.0 | 1658.2 | 1657.4 |
| 145° | 1715.3 | 1717.1 | 1718.9 | 1719.4 | 1718.6 | 1717.8 | 1717.0 | 1716.2 |
| 147.5° | 1768.7 | 1769.6 | 1770.5 | 1770.0 | 1768.1 | 1766.3 | 1764.4 | 1762.5 |
| 150° | 1803.2 | 1803.9 | 1804.6 | 1803.7 | 1801.4 | 1799.0 | 1796.6 | 1794.2 |
| 152.5° | 1834.6 | 1835.2 | 1835.9 | 1835.1 | 1832.7 | 1830.4 | 1828.0 | 1825.7 |
| 155° | 1877.7 | 1878.7 | 1879.7 | 1878.8 | 1876.2 | 1873.5 | 1870.8 | 1868.1 |
| 157.5° | 1913.3 | 1914.4 | 1915.5 | 1914.7 | 1912.0 | 1909.3 | 1906.6 | 1904.0 |
| 160° | 1935.5 | 1936.9 | 1938.2 | 1937.6 | 1934.9 | 1932.2 | 1929.5 | 1926.9 |
| 162.5° | 1955.9 | 1957.8 | 1959.6 | 1959.1 | 1956.2 | 1953.2 | 1950.3 | 1947.3 |
| 165° | 1982.0 | 1984.1 | 1986.1 | 1985.7 | 1983.1 | 1980.4 | 1977.7 | 1975.0 |
| 167.5° | 2001.8 | 2004.2 | 2006.6 | 2006.3 | 2003.3 | 2000.3 | 1997.3 | 1994.3 |
| 170° | 2012.0 | 2014.7 | 2017.3 | 2017.2 | 2014.2 | 2011.2 | 2008.1 | 2005.1 |
| 172.5° | 2019.9 | 2022.3 | 2024.7 | 2024.4 | 2021.4 | 2018.4 | 2015.4 | 2012.4 |
| 175° | 2028.5 | 2031.2 | 2033.9 | 2033.7 | 2030.7 | 2027.7 | 2024.7 | 2021.7 |
| 177.5° | 2032.1 | 2033.9 | 2035.8 | 2035.7 | 2033.5 | 2031.4 | 2029.2 | 2027.1 |
| 180° | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 |

(END OF REPORT)