

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: P333451

Luminaire Tested: **S125DIW-S1090D1340U835-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333451
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-S1090D1340U835-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, DROP 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: 8919.8 lumens
Efficiency: N/A
Efficacy: 127.8 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: General Diffuse

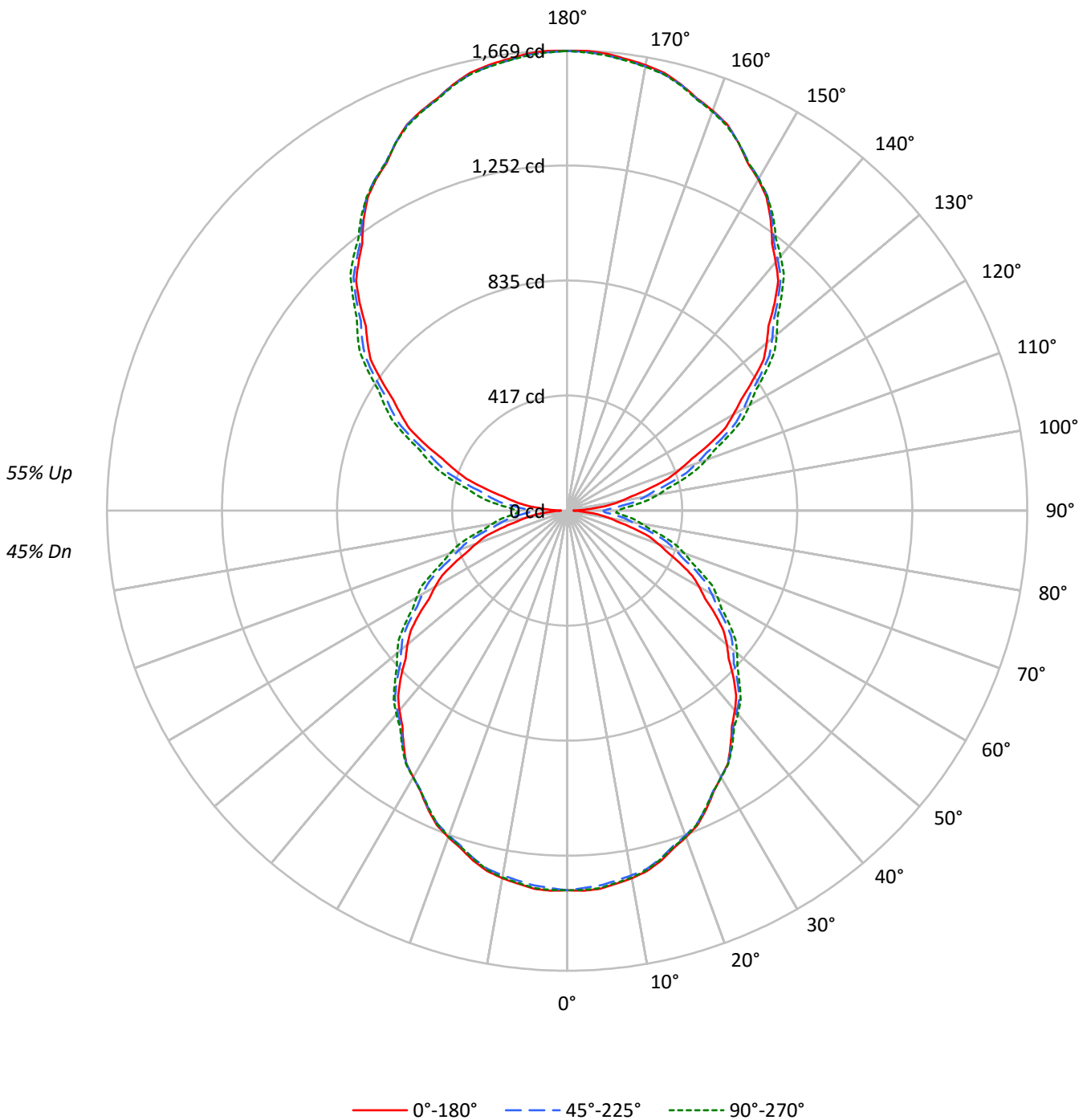
Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

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 | 81 | 81 | 81 | 65 | 65 | 65 | 51 | 51 | 51 | 45 |
| 1 | 96 | 91 | 87 | 84 | 88 | 84 | 80 | 77 | 70 | 67 | 65 | 56 | 55 | 53 | 44 | 43 | 42 | 36 |
| 2 | 87 | 79 | 73 | 68 | 79 | 73 | 67 | 63 | 61 | 56 | 53 | 49 | 46 | 44 | 39 | 37 | 35 | 30 |
| 3 | 79 | 70 | 62 | 56 | 72 | 64 | 57 | 52 | 53 | 48 | 44 | 43 | 40 | 37 | 34 | 32 | 29 | 25 |
| 4 | 72 | 61 | 53 | 47 | 66 | 56 | 49 | 44 | 47 | 42 | 37 | 38 | 34 | 31 | 30 | 28 | 25 | 21 |
| 5 | 66 | 55 | 46 | 40 | 60 | 50 | 43 | 38 | 42 | 36 | 32 | 34 | 30 | 27 | 27 | 24 | 22 | 18 |
| 6 | 61 | 49 | 41 | 35 | 56 | 45 | 38 | 32 | 38 | 32 | 28 | 31 | 27 | 23 | 25 | 22 | 19 | 16 |
| 7 | 56 | 44 | 36 | 30 | 51 | 41 | 33 | 28 | 34 | 29 | 25 | 28 | 24 | 21 | 22 | 19 | 17 | 14 |
| 8 | 52 | 40 | 32 | 27 | 48 | 37 | 30 | 25 | 31 | 26 | 22 | 26 | 21 | 18 | 21 | 17 | 15 | 13 |
| 9 | 49 | 36 | 29 | 24 | 44 | 34 | 27 | 22 | 28 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 14 | 11 |
| 10 | 45 | 33 | 26 | 21 | 42 | 31 | 24 | 20 | 26 | 21 | 17 | 22 | 18 | 15 | 18 | 15 | 12 | 10 |

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: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 130.2 | 1.5 |
| 10°-20° | 369.6 | 4.1 |
| 20°-30° | 549.7 | 6.2 |
| 30°-40° | 651.1 | 7.3 |
| 40°-50° | 673.2 | 7.5 |
| 50°-60° | 620.1 | 7.0 |
| 60°-70° | 501.3 | 5.6 |
| 70°-80° | 335.7 | 3.8 |
| 80°-90° | 177.7 | 2.0 |
| 90°-100° | 209.3 | 2.3 |
| 100°-110° | 401.7 | 4.5 |
| 110°-120° | 606.7 | 6.8 |
| 120°-130° | 762.3 | 8.5 |
| 130°-140° | 835.4 | 9.4 |
| 140°-150° | 809.5 | 9.1 |
| 150°-160° | 677.9 | 7.6 |
| 160°-170° | 450.6 | 5.1 |
| 170°-180° | 157.7 | 1.8 |
| 0°-30° | 1049.5 | 11.8 |
| 0°-40° | 1700.6 | 19.1 |
| 0°-60° | 2994.0 | 33.6 |
| 0°-90° | 4008.7 | 44.9 |
| 90°-120° | 1217.7 | 13.7 |
| 90°-150° | 3624.9 | 40.6 |
| 90°-180° | 4911.0 | 55.1 |
| 0°-180° | 8919.8 | 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 | 77 | 132 | 168 | 182 | 19 |
| 95° | 102 | 141 | 198 | 236 | 249 | 104 |
| 105° | 308 | 337 | 384 | 418 | 432 | 329 |
| 115° | 567 | 583 | 620 | 642 | 649 | 561 |
| 125° | 821 | 829 | 856 | 874 | 880 | 735 |
| 135° | 1064 | 1070 | 1081 | 1098 | 1100 | 820 |
| 145° | 1287 | 1291 | 1295 | 1301 | 1303 | 804 |
| 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: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

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 | 52.4 | 62.5 | 72.6 | 82.6 | 93.0 | 103.6 | 114.2 | 124.8 | 135.4 | 142.6 |
| 90° | 22.9 | 34.8 | 46.7 | 58.6 | 70.5 | 82.6 | 94.8 | 107.0 | 119.2 | 131.5 | 139.8 |
| 92.5° | 50.8 | 61.3 | 71.8 | 82.3 | 92.8 | 104.5 | 117.4 | 130.4 | 143.3 | 156.2 | 164.8 |
| 95° | 101.9 | 110.2 | 118.6 | 127.0 | 135.4 | 146.1 | 159.2 | 172.3 | 185.3 | 198.4 | 207.0 |
| 97.5° | 156.0 | 163.3 | 170.5 | 177.8 | 185.0 | 195.6 | 209.4 | 223.2 | 237.0 | 250.8 | 259.0 |
| 100° | 196.5 | 202.8 | 209.1 | 215.4 | 221.7 | 231.5 | 244.8 | 258.2 | 271.5 | 284.9 | 293.8 |
| 102.5° | 240.0 | 247.0 | 253.9 | 260.9 | 267.9 | 277.0 | 288.3 | 299.5 | 310.8 | 322.1 | 330.9 |
| 105° | 307.9 | 314.1 | 320.4 | 326.6 | 332.9 | 341.4 | 352.1 | 362.8 | 373.5 | 384.3 | 392.0 |
| 107.5° | 383.1 | 388.6 | 394.1 | 399.6 | 405.2 | 412.9 | 422.9 | 432.8 | 442.8 | 452.8 | 459.6 |
| 110° | 434.9 | 440.0 | 445.0 | 450.0 | 455.1 | 462.2 | 471.5 | 480.8 | 490.0 | 499.3 | 505.9 |



TEST NUMBER: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 488.9 | 492.5 | 496.1 | 499.8 | 503.4 | 509.8 | 519.1 | 528.4 | 537.6 | 546.9 | 552.7 |
| 115° | 567.2 | 570.4 | 573.7 | 576.9 | 580.2 | 586.0 | 594.4 | 602.8 | 611.1 | 619.5 | 624.6 |
| 117.5° | 645.7 | 647.6 | 649.5 | 651.4 | 653.3 | 658.2 | 666.1 | 674.0 | 681.9 | 689.8 | 695.2 |
| 120° | 695.5 | 697.9 | 700.2 | 702.6 | 704.9 | 709.7 | 716.9 | 724.0 | 731.2 | 738.4 | 743.5 |
| 122.5° | 748.4 | 749.4 | 750.3 | 751.2 | 752.2 | 756.4 | 763.8 | 771.2 | 778.6 | 786.0 | 790.6 |
| 125° | 821.3 | 822.7 | 824.2 | 825.6 | 827.0 | 830.9 | 837.2 | 843.5 | 849.8 | 856.0 | 860.3 |
| 127.5° | 897.8 | 898.5 | 899.2 | 899.8 | 900.5 | 903.5 | 908.8 | 914.0 | 919.3 | 924.6 | 928.7 |
| 130° | 944.5 | 945.6 | 946.8 | 947.9 | 949.1 | 952.0 | 956.8 | 961.6 | 966.3 | 971.1 | 975.0 |
| 132.5° | 990.1 | 992.4 | 994.7 | 997.0 | 999.3 | 1002.0 | 1005.2 | 1008.3 | 1011.4 | 1014.5 | 1018.5 |
| 135° | 1063.8 | 1065.2 | 1066.6 | 1068.1 | 1069.5 | 1071.4 | 1073.8 | 1076.2 | 1078.6 | 1081.0 | 1084.9 |
| 137.5° | 1133.0 | 1134.5 | 1135.9 | 1137.3 | 1138.8 | 1140.3 | 1142.0 | 1143.6 | 1145.3 | 1146.9 | 1150.8 |
| 140° | 1176.6 | 1178.0 | 1179.5 | 1180.9 | 1182.3 | 1183.6 | 1184.8 | 1186.0 | 1187.1 | 1188.3 | 1192.2 |
| 142.5° | 1221.2 | 1222.2 | 1223.1 | 1224.1 | 1225.1 | 1226.1 | 1227.3 | 1228.5 | 1229.6 | 1230.8 | 1233.9 |
| 145° | 1286.8 | 1287.7 | 1288.5 | 1289.4 | 1290.3 | 1291.1 | 1292.0 | 1292.8 | 1293.7 | 1294.6 | 1296.1 |
| 147.5° | 1346.2 | 1346.8 | 1347.5 | 1348.1 | 1348.7 | 1349.4 | 1350.1 | 1350.8 | 1351.5 | 1352.2 | 1353.3 |
| 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: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

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° | 149.7 | 156.9 | 164.1 | 168.9 | 171.1 | 173.4 | 175.7 | 177.9 |
| 90° | 148.1 | 156.5 | 164.8 | 170.5 | 173.4 | 176.4 | 179.4 | 182.3 |
| 92.5° | 173.3 | 181.9 | 190.4 | 196.1 | 198.8 | 201.6 | 204.3 | 207.0 |
| 95° | 215.7 | 224.3 | 232.9 | 238.5 | 241.2 | 243.9 | 246.6 | 249.3 |
| 97.5° | 267.2 | 275.4 | 283.6 | 288.9 | 291.3 | 293.7 | 296.1 | 298.5 |
| 100° | 302.7 | 311.5 | 320.4 | 326.1 | 328.5 | 330.8 | 333.2 | 335.6 |
| 102.5° | 339.8 | 348.7 | 357.6 | 363.3 | 365.9 | 368.6 | 371.2 | 373.8 |
| 105° | 399.7 | 407.5 | 415.2 | 420.5 | 423.5 | 426.5 | 429.4 | 432.4 |
| 107.5° | 466.4 | 473.2 | 480.0 | 484.3 | 486.1 | 487.9 | 489.7 | 491.5 |
| 110° | 512.4 | 519.0 | 525.6 | 529.7 | 531.6 | 533.4 | 535.2 | 537.0 |



TEST NUMBER: P333451

CATALOG NUMBER: S125DIW-S1090D1340U835-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 558.6 | 564.5 | 570.3 | 574.0 | 575.6 | 577.2 | 578.8 | 580.4 |
| 115° | 629.7 | 634.8 | 640.0 | 643.3 | 644.8 | 646.3 | 647.8 | 649.3 |
| 117.5° | 700.5 | 705.8 | 711.1 | 714.3 | 715.1 | 716.0 | 716.9 | 717.8 |
| 120° | 748.6 | 753.7 | 758.8 | 761.7 | 762.3 | 763.0 | 763.6 | 764.3 |
| 122.5° | 795.3 | 799.9 | 804.5 | 807.3 | 808.1 | 809.0 | 809.9 | 810.8 |
| 125° | 864.5 | 868.7 | 872.9 | 875.7 | 876.9 | 878.1 | 879.3 | 880.5 |
| 127.5° | 932.9 | 937.0 | 941.2 | 943.8 | 945.0 | 946.1 | 947.3 | 948.5 |
| 130° | 978.9 | 982.9 | 986.8 | 989.2 | 990.1 | 991.0 | 992.0 | 992.9 |
| 132.5° | 1022.4 | 1026.3 | 1030.2 | 1032.4 | 1032.8 | 1033.3 | 1033.7 | 1034.2 |
| 135° | 1088.8 | 1092.7 | 1096.6 | 1098.7 | 1099.0 | 1099.4 | 1099.7 | 1100.1 |
| 137.5° | 1154.7 | 1158.6 | 1162.5 | 1164.3 | 1164.0 | 1163.8 | 1163.6 | 1163.3 |
| 140° | 1196.1 | 1199.9 | 1203.8 | 1205.6 | 1205.4 | 1205.1 | 1204.9 | 1204.7 |
| 142.5° | 1237.1 | 1240.3 | 1243.4 | 1244.9 | 1244.7 | 1244.4 | 1244.2 | 1243.9 |
| 145° | 1297.6 | 1299.1 | 1300.6 | 1301.5 | 1301.8 | 1302.2 | 1302.5 | 1302.8 |
| 147.5° | 1354.5 | 1355.7 | 1356.8 | 1356.7 | 1355.3 | 1353.9 | 1352.5 | 1351.0 |
| 150° | 1390.6 | 1390.6 | 1390.6 | 1390.4 | 1390.1 | 1389.9 | 1389.6 | 1389.3 |
| 152.5° | 1425.1 | 1425.8 | 1426.5 | 1426.4 | 1425.4 | 1424.4 | 1423.5 | 1422.5 |
| 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)