

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: P333447-927

Luminaire Tested: **S125DIW-S1090D1050U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333447-927
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-S1090D1050U927-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6397.9 lumens
Efficiency: N/A
Efficacy: 104.5 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

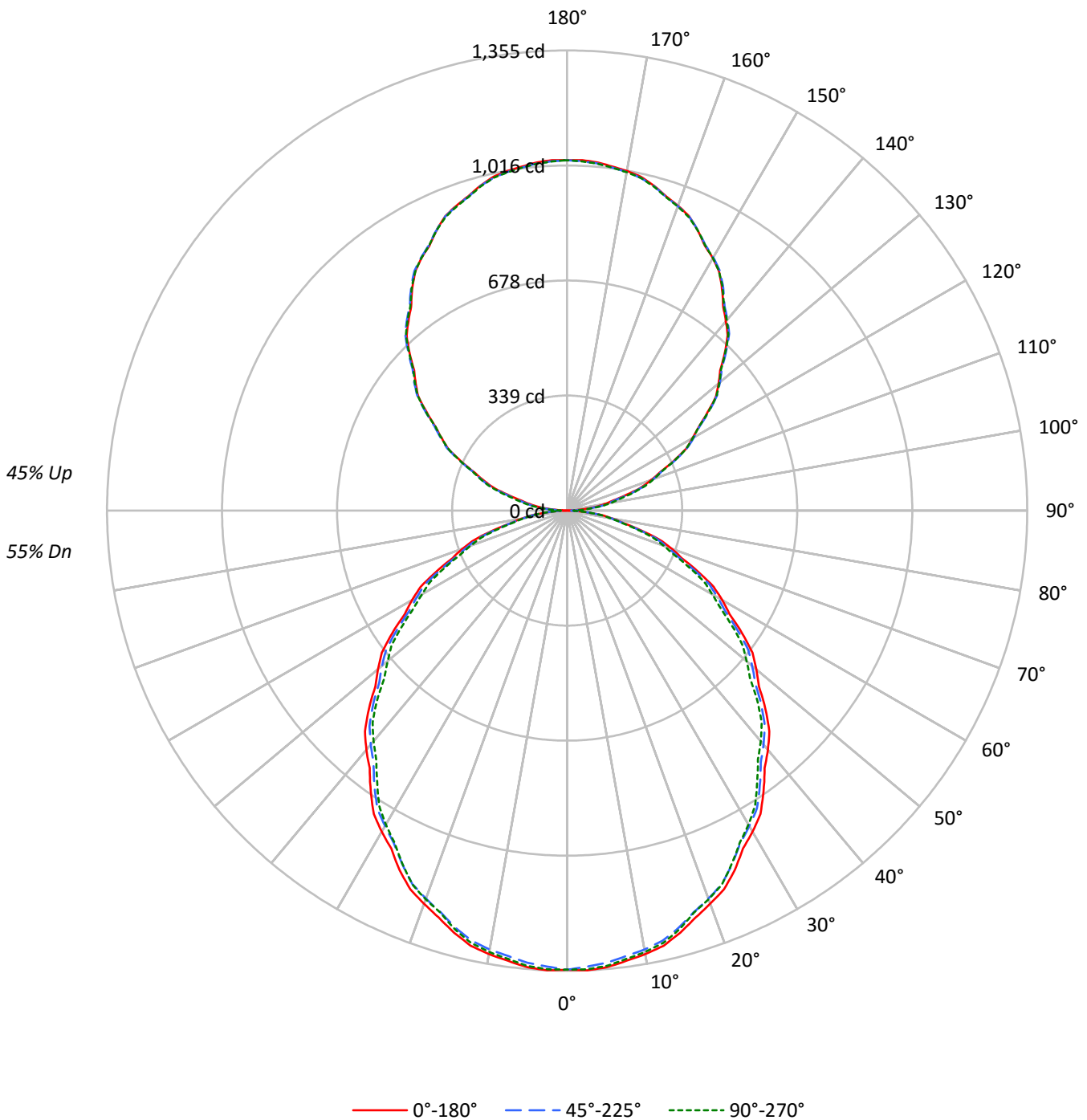
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 94 | 90 | 87 | 92 | 88 | 84 | 81 | 75 | 73 | 71 | 64 | 62 | 61 | 54 | 52 | 51 | 46 |
| 2 | 90 | 82 | 76 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 56 | 53 | 51 | 47 | 45 | 43 | 39 |
| 3 | 82 | 72 | 65 | 59 | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 50 | 46 | 43 | 42 | 39 | 37 | 33 |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 32 | 28 |
| 5 | 69 | 57 | 49 | 43 | 64 | 53 | 46 | 41 | 46 | 41 | 36 | 40 | 35 | 32 | 34 | 30 | 27 | 24 |
| 6 | 64 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 21 | 19 |
| 8 | 55 | 42 | 34 | 29 | 51 | 39 | 32 | 27 | 35 | 29 | 25 | 30 | 25 | 22 | 26 | 22 | 19 | 17 |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8730 | 8730 | 8730 |
| 5° | 8749 | 8666 | 8722 |
| 10° | 8697 | 8605 | 8655 |
| 15° | 8602 | 8501 | 8538 |
| 20° | 8467 | 8357 | 8372 |
| 25° | 8322 | 8185 | 8177 |
| 30° | 8143 | 7999 | 7959 |
| 35° | 7950 | 7799 | 7689 |
| 40° | 7754 | 7583 | 7474 |
| 45° | 7541 | 7384 | 7237 |
| 50° | 7306 | 7145 | 6931 |
| 55° | 7080 | 6875 | 6683 |
| 60° | 6810 | 6603 | 6368 |
| 65° | 6487 | 6276 | 6062 |
| 70° | 6180 | 5897 | 5695 |
| 75° | 5629 | 5445 | 5255 |
| 80° | 5013 | 4932 | 4813 |
| 85° | 4357 | 4439 | 4194 |



TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.5 | 2.0 |
| 10°-20° | 360.0 | 5.6 |
| 20°-30° | 531.6 | 8.3 |
| 30°-40° | 620.3 | 9.7 |
| 40°-50° | 623.0 | 9.7 |
| 50°-60° | 546.9 | 8.5 |
| 60°-70° | 407.5 | 6.4 |
| 70°-80° | 233.0 | 3.6 |
| 80°-90° | 70.0 | 1.1 |
| 90°-100° | 69.1 | 1.1 |
| 100°-110° | 204.0 | 3.2 |
| 110°-120° | 345.5 | 5.4 |
| 120°-130° | 454.7 | 7.1 |
| 130°-140° | 509.6 | 8.0 |
| 140°-150° | 499.4 | 7.8 |
| 150°-160° | 419.5 | 6.6 |
| 160°-170° | 278.8 | 4.4 |
| 170°-180° | 97.6 | 1.5 |
| 0°-30° | 1019.1 | 15.9 |
| 0°-40° | 1639.4 | 25.6 |
| 0°-60° | 2809.2 | 43.9 |
| 0°-90° | 3519.7 | 55.0 |
| 90°-120° | 618.6 | 9.7 |
| 90°-150° | 2082.3 | 32.5 |
| 90°-180° | 2878.0 | 45.0 |
| 0°-180° | 6397.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1352 | 1352 | 1352 | 1352 | 1352 | |
| 5° | 1350 | 1347 | 1337 | 1346 | 1345 | 128 |
| 15° | 1286 | 1283 | 1272 | 1277 | 1277 | 362 |
| 25° | 1168 | 1162 | 1149 | 1150 | 1148 | 537 |
| 35° | 1008 | 1004 | 989 | 984 | 975 | 631 |
| 45° | 826 | 821 | 808 | 796 | 792 | 636 |
| 55° | 629 | 625 | 611 | 601 | 594 | 561 |
| 65° | 424 | 422 | 411 | 401 | 397 | 421 |
| 75° | 226 | 223 | 218 | 215 | 211 | 241 |
| 85° | 59 | 60 | 60 | 59 | 57 | 66 |
| 90° | 1 | 7 | 13 | 17 | 19 | 6 |
| 95° | 52 | 54 | 62 | 67 | 69 | 56 |
| 105° | 183 | 187 | 192 | 196 | 199 | 195 |
| 115° | 346 | 349 | 351 | 350 | 349 | 342 |
| 125° | 505 | 509 | 510 | 509 | 508 | 452 |
| 135° | 657 | 661 | 662 | 662 | 659 | 506 |
| 145° | 795 | 799 | 801 | 801 | 799 | 497 |
| 155° | 910 | 910 | 911 | 914 | 910 | 419 |
| 165° | 990 | 988 | 989 | 992 | 987 | 279 |
| 175° | 1029 | 1026 | 1026 | 1030 | 1025 | 98 |
| 180° | 1031 | 1031 | 1031 | 1031 | 1031 | |



TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 |
| 2.5° | 1355.2 | 1354.6 | 1354.0 | 1353.4 | 1352.9 | 1351.6 | 1349.7 | 1347.8 | 1345.9 | 1344.0 | 1345.9 |
| 5° | 1349.6 | 1349.2 | 1348.7 | 1348.2 | 1347.7 | 1346.3 | 1343.9 | 1341.6 | 1339.2 | 1336.8 | 1338.9 |
| 7.5° | 1337.2 | 1336.7 | 1336.3 | 1335.8 | 1335.3 | 1333.7 | 1331.1 | 1328.5 | 1325.9 | 1323.3 | 1325.4 |
| 10° | 1326.1 | 1325.6 | 1325.2 | 1324.7 | 1324.2 | 1322.6 | 1320.0 | 1317.4 | 1314.8 | 1312.2 | 1314.1 |
| 12.5° | 1312.4 | 1311.5 | 1310.7 | 1309.8 | 1309.0 | 1307.3 | 1304.9 | 1302.5 | 1300.1 | 1297.6 | 1299.2 |
| 15° | 1286.5 | 1285.8 | 1285.1 | 1284.4 | 1283.7 | 1282.0 | 1279.4 | 1276.8 | 1274.1 | 1271.5 | 1272.7 |
| 17.5° | 1256.8 | 1255.8 | 1254.7 | 1253.6 | 1252.6 | 1250.7 | 1248.0 | 1245.3 | 1242.6 | 1239.8 | 1241.3 |
| 20° | 1232.0 | 1231.5 | 1231.1 | 1230.6 | 1230.1 | 1228.3 | 1225.2 | 1222.1 | 1219.0 | 1215.9 | 1217.6 |
| 22.5° | 1207.1 | 1206.3 | 1205.5 | 1204.6 | 1203.7 | 1201.8 | 1199.0 | 1196.0 | 1193.2 | 1190.3 | 1191.4 |
| 25° | 1167.8 | 1166.6 | 1165.5 | 1164.3 | 1163.1 | 1160.9 | 1157.9 | 1154.8 | 1151.7 | 1148.6 | 1149.1 |
| 27.5° | 1121.8 | 1121.1 | 1120.4 | 1119.7 | 1119.0 | 1117.1 | 1113.8 | 1110.6 | 1107.5 | 1104.3 | 1104.4 |
| 30° | 1091.9 | 1091.2 | 1090.4 | 1089.7 | 1089.0 | 1086.9 | 1083.3 | 1079.7 | 1076.2 | 1072.6 | 1072.1 |
| 32.5° | 1059.4 | 1058.3 | 1057.2 | 1056.1 | 1055.0 | 1052.9 | 1049.6 | 1046.5 | 1043.3 | 1040.1 | 1039.3 |
| 35° | 1008.4 | 1007.5 | 1006.5 | 1005.6 | 1004.6 | 1002.5 | 999.2 | 995.9 | 992.5 | 989.2 | 988.0 |
| 37.5° | 955.6 | 954.4 | 953.2 | 952.0 | 950.9 | 948.7 | 945.5 | 942.5 | 939.3 | 936.2 | 934.4 |
| 40° | 919.7 | 918.5 | 917.3 | 916.2 | 915.0 | 912.7 | 909.3 | 906.0 | 902.7 | 899.4 | 897.2 |
| 42.5° | 881.2 | 880.2 | 879.2 | 878.2 | 877.2 | 875.0 | 871.7 | 868.4 | 865.1 | 861.7 | 859.8 |
| 45° | 825.6 | 824.7 | 823.7 | 822.8 | 821.8 | 819.9 | 817.1 | 814.2 | 811.4 | 808.5 | 805.6 |
| 47.5° | 765.7 | 765.7 | 765.8 | 765.9 | 765.9 | 764.2 | 760.8 | 757.3 | 753.9 | 750.5 | 747.6 |
| 50° | 727.2 | 726.5 | 725.8 | 725.1 | 724.4 | 722.5 | 719.7 | 716.8 | 714.0 | 711.1 | 708.1 |
| 52.5° | 687.9 | 687.3 | 686.8 | 686.3 | 685.8 | 684.0 | 681.0 | 677.9 | 674.9 | 671.8 | 669.1 |
| 55° | 628.8 | 628.1 | 627.4 | 626.7 | 626.0 | 623.9 | 620.6 | 617.3 | 613.9 | 610.6 | 608.5 |
| 57.5° | 566.6 | 566.2 | 565.9 | 565.5 | 565.1 | 563.5 | 560.6 | 557.9 | 555.1 | 552.2 | 549.5 |
| 60° | 527.2 | 526.2 | 525.3 | 524.3 | 523.4 | 521.7 | 519.0 | 516.4 | 513.8 | 511.2 | 508.8 |
| 62.5° | 486.2 | 485.4 | 484.7 | 483.9 | 483.2 | 481.6 | 479.3 | 477.1 | 474.9 | 472.7 | 470.1 |
| 65° | 424.5 | 424.1 | 423.6 | 423.1 | 422.6 | 421.1 | 418.5 | 415.9 | 413.3 | 410.7 | 408.5 |
| 67.5° | 364.9 | 363.8 | 362.9 | 361.9 | 360.9 | 359.4 | 357.4 | 355.5 | 353.6 | 351.6 | 349.8 |
| 70° | 327.3 | 326.1 | 324.9 | 323.7 | 322.5 | 320.8 | 318.7 | 316.6 | 314.4 | 312.3 | 310.9 |
| 72.5° | 286.2 | 285.3 | 284.6 | 283.8 | 283.0 | 281.9 | 280.5 | 279.1 | 277.7 | 276.3 | 274.7 |
| 75° | 225.6 | 225.1 | 224.7 | 224.2 | 223.7 | 222.9 | 221.7 | 220.5 | 219.4 | 218.2 | 217.5 |
| 77.5° | 169.8 | 169.6 | 169.4 | 169.3 | 169.1 | 168.7 | 167.9 | 167.3 | 166.7 | 166.0 | 165.6 |
| 80° | 134.8 | 134.8 | 134.8 | 134.8 | 134.8 | 134.5 | 134.0 | 133.6 | 133.1 | 132.6 | 132.4 |
| 82.5° | 103.9 | 103.5 | 103.2 | 102.8 | 102.4 | 102.2 | 102.1 | 102.0 | 101.9 | 101.8 | 101.4 |
| 85° | 58.8 | 59.0 | 59.3 | 59.5 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.7 |
| 87.5° | 23.3 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 | 24.6 | 24.7 | 24.7 | 24.8 | 25.0 |
| 90° | 0.8 | 2.2 | 3.6 | 5.1 | 6.5 | 7.8 | 9.1 | 10.4 | 11.6 | 12.8 | 13.7 |
| 92.5° | 19.4 | 20.4 | 21.4 | 22.4 | 23.4 | 24.7 | 26.2 | 27.7 | 29.3 | 30.8 | 32.0 |
| 95° | 52.2 | 52.5 | 52.9 | 53.2 | 53.6 | 54.7 | 56.5 | 58.2 | 60.0 | 61.8 | 63.1 |
| 97.5° | 86.7 | 86.8 | 87.0 | 87.1 | 87.3 | 88.6 | 91.0 | 93.5 | 95.9 | 98.4 | 99.6 |
| 100° | 112.4 | 112.4 | 112.4 | 112.4 | 112.4 | 113.5 | 115.8 | 118.2 | 120.5 | 122.8 | 124.5 |
| 102.5° | 140.0 | 140.7 | 141.4 | 142.1 | 142.8 | 143.8 | 145.0 | 146.2 | 147.3 | 148.5 | 150.3 |
| 105° | 183.0 | 183.9 | 184.8 | 185.7 | 186.6 | 187.6 | 188.6 | 189.7 | 190.8 | 191.9 | 192.9 |
| 107.5° | 230.5 | 231.4 | 232.3 | 233.2 | 234.1 | 235.0 | 235.8 | 236.6 | 237.4 | 238.2 | 238.8 |
| 110° | 263.2 | 264.2 | 265.1 | 265.9 | 266.9 | 267.6 | 268.1 | 268.6 | 269.2 | 269.7 | 270.2 |



TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 296.7 | 297.1 | 297.6 | 298.1 | 298.5 | 299.1 | 299.8 | 300.5 | 301.1 | 301.8 | 302.1 |
| 115° | 345.9 | 346.7 | 347.4 | 348.1 | 348.8 | 349.4 | 349.7 | 350.1 | 350.4 | 350.8 | 350.6 |
| 117.5° | 395.4 | 395.7 | 396.0 | 396.3 | 396.7 | 397.0 | 397.4 | 397.7 | 398.0 | 398.3 | 398.5 |
| 120° | 426.2 | 427.1 | 428.0 | 428.9 | 429.8 | 430.3 | 430.5 | 430.7 | 430.9 | 431.0 | 431.0 |
| 122.5° | 459.6 | 459.9 | 460.3 | 460.6 | 460.9 | 461.3 | 461.8 | 462.2 | 462.7 | 463.2 | 463.0 |
| 125° | 504.9 | 506.0 | 507.0 | 508.1 | 509.1 | 509.8 | 510.0 | 510.2 | 510.3 | 510.5 | 510.2 |
| 127.5° | 553.0 | 553.7 | 554.3 | 554.8 | 555.5 | 555.9 | 556.1 | 556.3 | 556.5 | 556.7 | 556.6 |
| 130° | 581.9 | 582.8 | 583.8 | 584.6 | 585.5 | 586.1 | 586.5 | 586.8 | 587.2 | 587.6 | 587.4 |
| 132.5° | 610.9 | 612.3 | 613.8 | 615.2 | 616.7 | 617.4 | 617.3 | 617.3 | 617.2 | 617.1 | 617.0 |
| 135° | 656.6 | 657.7 | 658.7 | 659.8 | 660.9 | 661.5 | 661.7 | 661.9 | 662.0 | 662.2 | 662.2 |
| 137.5° | 699.7 | 700.7 | 701.7 | 702.7 | 703.8 | 704.5 | 704.9 | 705.3 | 705.7 | 706.1 | 706.2 |
| 140° | 727.2 | 728.1 | 729.0 | 729.9 | 730.8 | 731.5 | 732.1 | 732.6 | 733.1 | 733.6 | 734.0 |
| 142.5° | 754.9 | 755.6 | 756.4 | 757.1 | 757.9 | 758.6 | 759.2 | 759.9 | 760.6 | 761.3 | 761.4 |
| 145° | 795.4 | 796.1 | 796.9 | 797.6 | 798.3 | 798.9 | 799.5 | 800.0 | 800.6 | 801.1 | 801.1 |
| 147.5° | 833.1 | 833.5 | 833.9 | 834.2 | 834.6 | 835.0 | 835.4 | 835.8 | 836.3 | 836.7 | 837.2 |
| 150° | 858.1 | 857.9 | 857.7 | 857.5 | 857.4 | 857.6 | 858.3 | 859.0 | 859.8 | 860.5 | 860.5 |
| 152.5° | 878.6 | 878.8 | 879.1 | 879.4 | 879.6 | 879.9 | 880.2 | 880.4 | 880.7 | 881.1 | 881.5 |
| 155° | 910.2 | 910.2 | 910.2 | 910.2 | 910.2 | 910.3 | 910.5 | 910.7 | 910.9 | 911.1 | 911.8 |
| 157.5° | 938.5 | 938.1 | 937.7 | 937.3 | 936.9 | 936.8 | 937.0 | 937.2 | 937.4 | 937.5 | 938.3 |
| 160° | 955.2 | 954.7 | 954.1 | 953.6 | 953.1 | 952.9 | 953.1 | 953.2 | 953.4 | 953.6 | 954.3 |
| 162.5° | 969.9 | 969.6 | 969.2 | 968.8 | 968.4 | 968.2 | 968.3 | 968.3 | 968.4 | 968.4 | 969.2 |
| 165° | 989.8 | 989.4 | 989.0 | 988.6 | 988.2 | 988.2 | 988.4 | 988.6 | 988.7 | 988.9 | 989.6 |
| 167.5° | 1006.4 | 1005.7 | 1005.0 | 1004.2 | 1003.5 | 1003.2 | 1003.2 | 1003.2 | 1003.2 | 1003.2 | 1004.2 |
| 170° | 1015.4 | 1014.7 | 1014.0 | 1013.3 | 1012.6 | 1012.2 | 1012.2 | 1012.2 | 1012.2 | 1012.2 | 1013.3 |
| 172.5° | 1021.8 | 1021.1 | 1020.4 | 1019.7 | 1019.0 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1019.7 |
| 175° | 1029.0 | 1028.3 | 1027.6 | 1026.9 | 1026.2 | 1025.8 | 1025.8 | 1025.8 | 1025.8 | 1025.8 | 1026.9 |
| 177.5° | 1032.8 | 1032.1 | 1031.6 | 1031.0 | 1030.5 | 1030.1 | 1029.9 | 1029.8 | 1029.7 | 1029.5 | 1030.4 |
| 180° | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 |



TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 | 1351.8 |
| 2.5° | 1347.8 | 1349.7 | 1351.6 | 1352.5 | 1352.3 | 1352.1 | 1351.9 | 1351.8 |
| 5° | 1341.1 | 1343.2 | 1345.4 | 1346.3 | 1346.1 | 1345.8 | 1345.6 | 1345.4 |
| 7.5° | 1327.5 | 1329.6 | 1331.7 | 1332.6 | 1332.4 | 1332.1 | 1331.9 | 1331.7 |
| 10° | 1316.0 | 1317.9 | 1319.8 | 1320.6 | 1320.4 | 1320.2 | 1319.9 | 1319.7 |
| 12.5° | 1300.7 | 1302.2 | 1303.7 | 1304.5 | 1304.4 | 1304.3 | 1304.3 | 1304.2 |
| 15° | 1273.9 | 1275.1 | 1276.3 | 1276.9 | 1276.9 | 1276.9 | 1276.9 | 1276.9 |
| 17.5° | 1242.9 | 1244.3 | 1245.8 | 1245.9 | 1244.8 | 1243.6 | 1242.4 | 1241.2 |
| 20° | 1219.2 | 1220.9 | 1222.6 | 1222.8 | 1221.6 | 1220.4 | 1219.2 | 1218.1 |
| 22.5° | 1192.5 | 1193.6 | 1194.6 | 1194.8 | 1194.0 | 1193.2 | 1192.4 | 1191.5 |
| 25° | 1149.5 | 1150.0 | 1150.5 | 1150.3 | 1149.6 | 1148.9 | 1148.2 | 1147.5 |
| 27.5° | 1104.5 | 1104.5 | 1104.7 | 1104.4 | 1103.7 | 1103.0 | 1102.2 | 1101.5 |
| 30° | 1071.7 | 1071.2 | 1070.7 | 1070.2 | 1069.4 | 1068.7 | 1068.0 | 1067.3 |
| 32.5° | 1038.4 | 1037.5 | 1036.7 | 1035.6 | 1034.4 | 1033.1 | 1031.7 | 1030.5 |
| 35° | 986.8 | 985.6 | 984.4 | 982.9 | 981.0 | 979.1 | 977.2 | 975.3 |
| 37.5° | 932.6 | 930.9 | 929.2 | 927.7 | 926.6 | 925.5 | 924.4 | 923.4 |
| 40° | 895.1 | 892.9 | 890.8 | 889.4 | 888.7 | 888.0 | 887.2 | 886.5 |
| 42.5° | 857.9 | 855.9 | 854.0 | 852.4 | 851.4 | 850.2 | 849.1 | 848.0 |
| 45° | 802.8 | 799.9 | 797.1 | 795.3 | 794.6 | 793.8 | 793.1 | 792.4 |
| 47.5° | 744.7 | 741.8 | 738.9 | 736.7 | 735.0 | 733.3 | 731.7 | 730.0 |
| 50° | 705.0 | 701.9 | 698.8 | 696.4 | 694.7 | 693.1 | 691.4 | 689.8 |
| 52.5° | 666.4 | 663.7 | 661.0 | 658.7 | 656.8 | 655.0 | 653.2 | 651.3 |
| 55° | 606.3 | 604.2 | 602.1 | 600.2 | 598.5 | 596.8 | 595.2 | 593.5 |
| 57.5° | 546.8 | 544.0 | 541.2 | 539.4 | 538.5 | 537.6 | 536.7 | 535.8 |
| 60° | 506.4 | 504.1 | 501.7 | 499.6 | 498.0 | 496.3 | 494.6 | 493.0 |
| 62.5° | 467.5 | 465.0 | 462.4 | 460.5 | 459.2 | 458.0 | 456.6 | 455.3 |
| 65° | 406.4 | 404.3 | 402.1 | 400.5 | 399.6 | 398.6 | 397.7 | 396.7 |
| 67.5° | 348.0 | 346.2 | 344.4 | 343.2 | 342.6 | 342.1 | 341.5 | 341.0 |
| 70° | 309.4 | 308.0 | 306.6 | 305.4 | 304.4 | 303.5 | 302.5 | 301.6 |
| 72.5° | 273.1 | 271.5 | 269.9 | 268.6 | 267.7 | 266.7 | 265.8 | 264.8 |
| 75° | 216.7 | 216.0 | 215.3 | 214.4 | 213.5 | 212.5 | 211.6 | 210.6 |
| 77.5° | 165.1 | 164.7 | 164.3 | 163.7 | 163.0 | 162.4 | 161.7 | 161.1 |
| 80° | 132.1 | 131.9 | 131.7 | 131.3 | 130.8 | 130.3 | 129.8 | 129.4 |
| 82.5° | 100.9 | 100.5 | 100.1 | 99.8 | 99.7 | 99.7 | 99.6 | 99.4 |
| 85° | 59.4 | 59.2 | 58.9 | 58.5 | 58.1 | 57.6 | 57.1 | 56.6 |
| 87.5° | 25.2 | 25.3 | 25.5 | 25.5 | 25.2 | 25.0 | 24.6 | 24.4 |
| 90° | 14.7 | 15.5 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.3 |
| 92.5° | 33.2 | 34.4 | 35.6 | 36.3 | 36.7 | 37.1 | 37.5 | 37.9 |
| 95° | 64.3 | 65.5 | 66.8 | 67.6 | 68.0 | 68.3 | 68.7 | 69.0 |
| 97.5° | 100.8 | 102.0 | 103.1 | 103.8 | 104.0 | 104.3 | 104.5 | 104.6 |
| 100° | 126.0 | 127.6 | 129.2 | 130.2 | 130.6 | 130.9 | 131.3 | 131.7 |
| 102.5° | 152.0 | 153.8 | 155.5 | 156.6 | 157.1 | 157.6 | 158.1 | 158.6 |
| 105° | 194.0 | 195.0 | 196.1 | 196.9 | 197.5 | 198.0 | 198.5 | 199.1 |
| 107.5° | 239.3 | 239.9 | 240.3 | 240.7 | 240.6 | 240.6 | 240.5 | 240.5 |
| 110° | 270.8 | 271.3 | 271.9 | 272.0 | 271.9 | 271.6 | 271.5 | 271.3 |



TEST NUMBER: P333447-927

CATALOG NUMBER: S125DIW-S1090D1050U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 302.3 | 302.5 | 302.8 | 302.8 | 302.5 | 302.1 | 301.8 | 301.5 |
| 115° | 350.4 | 350.2 | 350.1 | 349.9 | 349.7 | 349.5 | 349.4 | 349.2 |
| 117.5° | 398.5 | 398.7 | 398.9 | 398.5 | 397.8 | 397.1 | 396.4 | 395.7 |
| 120° | 431.0 | 431.0 | 431.0 | 430.7 | 430.0 | 429.3 | 428.6 | 427.9 |
| 122.5° | 462.9 | 462.7 | 462.6 | 462.2 | 461.7 | 461.1 | 460.5 | 459.9 |
| 125° | 509.8 | 509.5 | 509.1 | 508.8 | 508.7 | 508.4 | 508.3 | 508.1 |
| 127.5° | 556.3 | 556.2 | 556.0 | 555.8 | 555.4 | 555.1 | 554.7 | 554.4 |
| 130° | 587.2 | 587.0 | 586.8 | 586.6 | 586.2 | 585.9 | 585.5 | 585.2 |
| 132.5° | 616.7 | 616.6 | 616.4 | 616.1 | 615.5 | 615.1 | 614.6 | 614.0 |
| 135° | 662.2 | 662.2 | 662.2 | 661.9 | 661.2 | 660.4 | 659.7 | 659.0 |
| 137.5° | 706.5 | 706.7 | 706.9 | 706.5 | 705.7 | 704.8 | 703.9 | 703.0 |
| 140° | 734.4 | 734.7 | 735.1 | 734.8 | 734.0 | 733.0 | 732.1 | 731.3 |
| 142.5° | 761.7 | 761.9 | 762.2 | 761.8 | 760.9 | 760.0 | 759.1 | 758.2 |
| 145° | 801.1 | 801.1 | 801.1 | 800.8 | 800.3 | 799.7 | 799.2 | 798.7 |
| 147.5° | 837.6 | 838.0 | 838.4 | 838.0 | 836.9 | 835.6 | 834.4 | 833.2 |
| 150° | 860.5 | 860.5 | 860.5 | 860.3 | 859.9 | 859.6 | 859.2 | 858.9 |
| 152.5° | 881.9 | 882.3 | 882.7 | 882.6 | 882.0 | 881.4 | 880.7 | 880.0 |
| 155° | 912.5 | 913.2 | 913.9 | 913.8 | 912.9 | 912.0 | 911.2 | 910.2 |
| 157.5° | 939.0 | 939.7 | 940.4 | 940.2 | 939.0 | 937.8 | 936.6 | 935.5 |
| 160° | 955.1 | 955.8 | 956.5 | 956.3 | 955.5 | 954.6 | 953.7 | 952.8 |
| 162.5° | 970.1 | 970.9 | 971.8 | 971.7 | 970.7 | 969.6 | 968.6 | 967.6 |
| 165° | 990.3 | 991.0 | 991.7 | 991.6 | 990.5 | 989.4 | 988.4 | 987.3 |
| 167.5° | 1005.4 | 1006.4 | 1007.5 | 1007.5 | 1006.4 | 1005.3 | 1004.2 | 1003.1 |
| 170° | 1014.3 | 1015.4 | 1016.4 | 1016.4 | 1015.1 | 1013.9 | 1012.6 | 1011.4 |
| 172.5° | 1020.7 | 1021.8 | 1022.9 | 1022.9 | 1021.8 | 1020.6 | 1019.5 | 1018.4 |
| 175° | 1027.9 | 1029.0 | 1030.2 | 1030.0 | 1028.8 | 1027.5 | 1026.3 | 1025.0 |
| 177.5° | 1031.3 | 1032.1 | 1032.9 | 1032.8 | 1031.9 | 1030.9 | 1029.9 | 1028.9 |
| 180° | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 | 1031.4 |

(END OF REPORT)