

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: P333293-927

Luminaire Tested: **S125DIP-S1090D1205U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333293-927
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: S125DIP-S1090D1205U927-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6820.9 lumens
Efficiency: N/A
Efficacy: 104.3 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

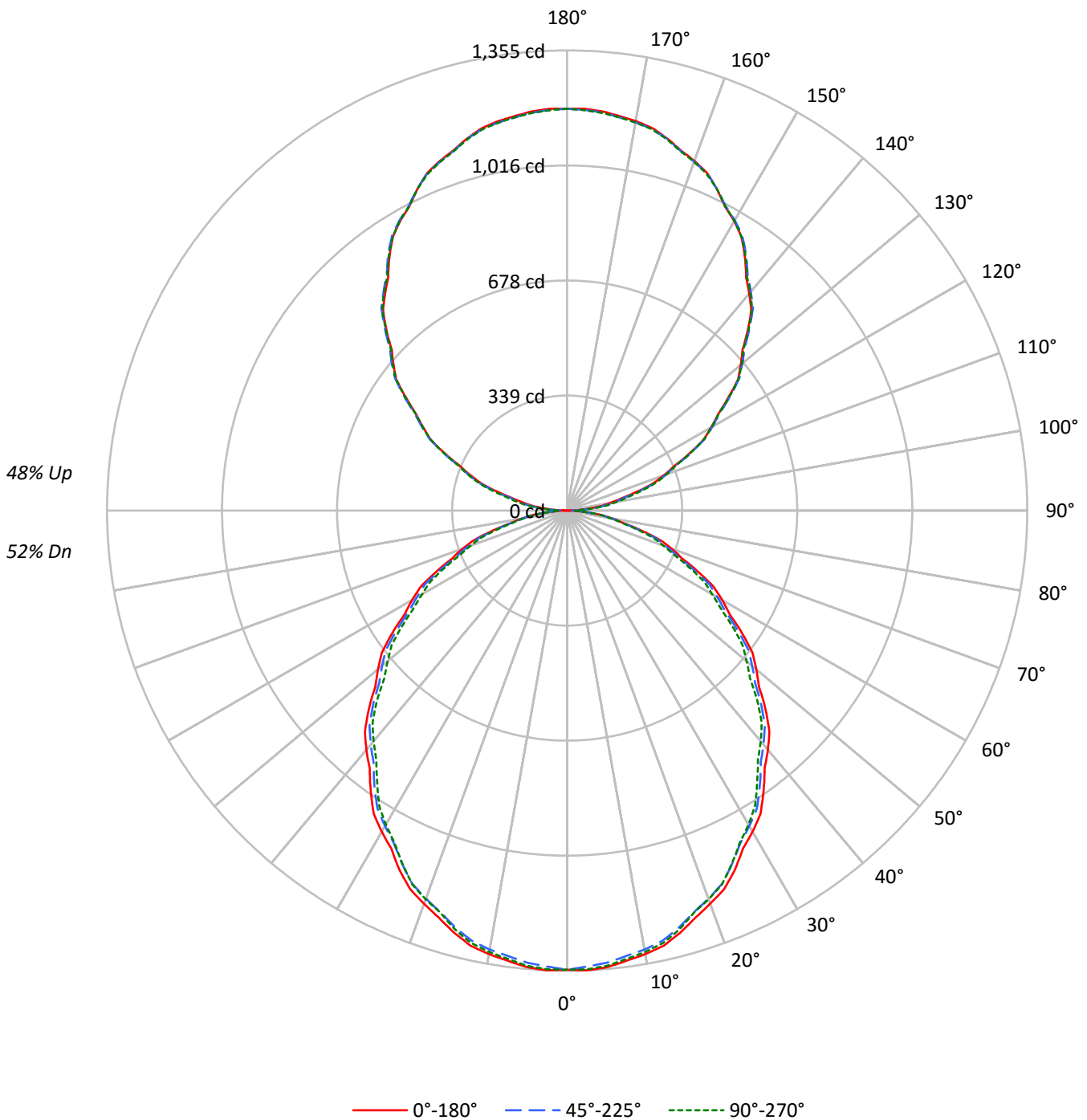
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-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 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 58 | 58 | 58 | 52 |
| 1 | 98 | 94 | 90 | 86 | 91 | 87 | 83 | 80 | 74 | 71 | 69 | 62 | 60 | 58 | 51 | 50 | 49 | 43 |
| 2 | 89 | 82 | 76 | 70 | 82 | 76 | 70 | 66 | 65 | 61 | 57 | 54 | 51 | 49 | 45 | 43 | 41 | 36 |
| 3 | 81 | 72 | 64 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 40 | 37 | 35 | 31 |
| 4 | 74 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 35 | 35 | 32 | 30 | 26 |
| 5 | 68 | 57 | 48 | 42 | 63 | 53 | 45 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 29 | 26 | 23 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 26 | 23 | 20 |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 |
| 9 | 50 | 38 | 31 | 25 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 | 13 |

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: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.5 | 1.9 |
| 10°-20° | 360.0 | 5.3 |
| 20°-30° | 531.6 | 7.8 |
| 30°-40° | 620.3 | 9.1 |
| 40°-50° | 623.0 | 9.1 |
| 50°-60° | 546.9 | 8.0 |
| 60°-70° | 407.5 | 6.0 |
| 70°-80° | 233.0 | 3.4 |
| 80°-90° | 70.4 | 1.0 |
| 90°-100° | 79.2 | 1.2 |
| 100°-110° | 234.0 | 3.4 |
| 110°-120° | 396.3 | 5.8 |
| 120°-130° | 521.5 | 7.6 |
| 130°-140° | 584.4 | 8.6 |
| 140°-150° | 572.7 | 8.4 |
| 150°-160° | 481.1 | 7.1 |
| 160°-170° | 319.8 | 4.7 |
| 170°-180° | 111.9 | 1.6 |
| 0°-30° | 1019.1 | 14.9 |
| 0°-40° | 1639.4 | 24.0 |
| 0°-60° | 2809.2 | 41.2 |
| 0°-90° | 3520.1 | 51.6 |
| 90°-120° | 709.5 | 10.4 |
| 90°-150° | 2388.1 | 35.0 |
| 90°-180° | 3301.0 | 48.4 |
| 0°-180° | 6820.9 | 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 | 8 | 15 | 19 | 22 | 7 |
| 95° | 60 | 62 | 71 | 77 | 79 | 64 |
| 105° | 210 | 215 | 220 | 225 | 228 | 224 |
| 115° | 397 | 400 | 402 | 401 | 400 | 392 |
| 125° | 579 | 584 | 586 | 584 | 583 | 518 |
| 135° | 753 | 758 | 760 | 759 | 756 | 580 |
| 145° | 912 | 916 | 919 | 919 | 916 | 570 |
| 155° | 1044 | 1044 | 1045 | 1048 | 1044 | 481 |
| 165° | 1135 | 1133 | 1134 | 1137 | 1132 | 320 |
| 175° | 1180 | 1177 | 1176 | 1181 | 1176 | 112 |
| 180° | 1183 | 1183 | 1183 | 1183 | 1183 | |



TEST NUMBER: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-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 | 23.6 | 23.9 | 24.2 | 24.6 | 24.8 | 24.9 | 25.0 | 25.1 | 25.2 | 25.4 |
| 90° | 1.0 | 2.5 | 4.2 | 5.9 | 7.4 | 9.0 | 10.5 | 11.9 | 13.3 | 14.7 | 15.8 |
| 92.5° | 22.3 | 23.4 | 24.6 | 25.7 | 26.9 | 28.3 | 30.1 | 31.8 | 33.6 | 35.3 | 36.7 |
| 95° | 59.8 | 60.2 | 60.7 | 61.1 | 61.5 | 62.7 | 64.7 | 66.8 | 68.8 | 70.9 | 72.3 |
| 97.5° | 99.4 | 99.6 | 99.7 | 99.9 | 100.1 | 101.6 | 104.4 | 107.2 | 110.0 | 112.9 | 114.2 |
| 100° | 128.9 | 128.9 | 128.9 | 128.9 | 128.9 | 130.2 | 132.8 | 135.5 | 138.2 | 140.9 | 142.7 |
| 102.5° | 160.6 | 161.4 | 162.2 | 163.0 | 163.8 | 164.9 | 166.3 | 167.6 | 169.0 | 170.3 | 172.3 |
| 105° | 209.8 | 210.9 | 211.9 | 212.9 | 214.0 | 215.1 | 216.3 | 217.5 | 218.8 | 220.0 | 221.3 |
| 107.5° | 264.4 | 265.4 | 266.4 | 267.4 | 268.5 | 269.4 | 270.4 | 271.3 | 272.3 | 273.2 | 273.9 |
| 110° | 302.0 | 302.9 | 304.0 | 305.0 | 306.0 | 306.8 | 307.4 | 308.1 | 308.7 | 309.3 | 309.9 |



TEST NUMBER: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 340.2 | 340.8 | 341.3 | 341.8 | 342.4 | 343.0 | 343.8 | 344.6 | 345.3 | 346.1 | 346.4 |
| 115° | 396.7 | 397.6 | 398.4 | 399.2 | 400.1 | 400.6 | 401.1 | 401.5 | 401.9 | 402.3 | 402.1 |
| 117.5° | 453.4 | 453.8 | 454.2 | 454.6 | 455.0 | 455.3 | 455.7 | 456.1 | 456.4 | 456.8 | 456.9 |
| 120° | 488.8 | 489.8 | 490.8 | 491.9 | 492.9 | 493.5 | 493.7 | 493.9 | 494.2 | 494.3 | 494.3 |
| 122.5° | 527.1 | 527.5 | 527.8 | 528.2 | 528.5 | 529.0 | 529.6 | 530.1 | 530.6 | 531.2 | 531.0 |
| 125° | 579.0 | 580.3 | 581.5 | 582.7 | 583.9 | 584.6 | 584.9 | 585.0 | 585.3 | 585.5 | 585.0 |
| 127.5° | 634.3 | 634.9 | 635.6 | 636.4 | 637.1 | 637.5 | 637.8 | 638.0 | 638.3 | 638.5 | 638.3 |
| 130° | 667.4 | 668.4 | 669.5 | 670.5 | 671.5 | 672.2 | 672.6 | 673.0 | 673.4 | 673.8 | 673.7 |
| 132.5° | 700.5 | 702.2 | 703.9 | 705.6 | 707.3 | 708.1 | 708.0 | 707.9 | 707.8 | 707.7 | 707.5 |
| 135° | 753.0 | 754.2 | 755.5 | 756.7 | 758.0 | 758.7 | 758.8 | 759.1 | 759.2 | 759.5 | 759.5 |
| 137.5° | 802.3 | 803.5 | 804.7 | 805.9 | 807.1 | 807.9 | 808.3 | 808.8 | 809.3 | 809.7 | 809.9 |
| 140° | 834.0 | 835.0 | 836.1 | 837.1 | 838.1 | 838.9 | 839.6 | 840.2 | 840.7 | 841.4 | 841.8 |
| 142.5° | 865.7 | 866.6 | 867.4 | 868.2 | 869.1 | 870.0 | 870.7 | 871.5 | 872.3 | 873.1 | 873.3 |
| 145° | 912.3 | 913.1 | 913.9 | 914.7 | 915.5 | 916.2 | 916.9 | 917.5 | 918.1 | 918.7 | 918.7 |
| 147.5° | 955.4 | 955.8 | 956.2 | 956.7 | 957.1 | 957.6 | 958.1 | 958.6 | 959.1 | 959.6 | 960.0 |
| 150° | 984.0 | 983.9 | 983.7 | 983.5 | 983.3 | 983.6 | 984.4 | 985.2 | 986.0 | 986.8 | 986.8 |
| 152.5° | 1007.7 | 1007.9 | 1008.2 | 1008.5 | 1008.8 | 1009.1 | 1009.4 | 1009.7 | 1010.1 | 1010.4 | 1010.9 |
| 155° | 1043.9 | 1043.9 | 1043.9 | 1043.9 | 1043.9 | 1044.0 | 1044.3 | 1044.4 | 1044.7 | 1044.8 | 1045.7 |
| 157.5° | 1076.3 | 1075.9 | 1075.4 | 1075.0 | 1074.5 | 1074.4 | 1074.6 | 1074.8 | 1075.0 | 1075.2 | 1076.0 |
| 160° | 1095.4 | 1094.9 | 1094.2 | 1093.6 | 1093.0 | 1092.8 | 1093.0 | 1093.2 | 1093.4 | 1093.6 | 1094.4 |
| 162.5° | 1112.4 | 1112.0 | 1111.5 | 1111.0 | 1110.6 | 1110.4 | 1110.4 | 1110.5 | 1110.5 | 1110.6 | 1111.5 |
| 165° | 1135.0 | 1134.6 | 1134.2 | 1133.9 | 1133.4 | 1133.3 | 1133.5 | 1133.7 | 1133.9 | 1134.1 | 1135.0 |
| 167.5° | 1154.2 | 1153.3 | 1152.5 | 1151.8 | 1150.9 | 1150.5 | 1150.5 | 1150.5 | 1150.5 | 1150.5 | 1151.8 |
| 170° | 1164.5 | 1163.7 | 1162.8 | 1162.1 | 1161.3 | 1160.8 | 1160.8 | 1160.8 | 1160.8 | 1160.8 | 1162.1 |
| 172.5° | 1171.9 | 1171.1 | 1170.2 | 1169.4 | 1168.6 | 1168.2 | 1168.2 | 1168.2 | 1168.2 | 1168.2 | 1169.4 |
| 175° | 1180.1 | 1179.3 | 1178.5 | 1177.7 | 1176.9 | 1176.5 | 1176.5 | 1176.5 | 1176.5 | 1176.5 | 1177.7 |
| 177.5° | 1184.4 | 1183.8 | 1183.0 | 1182.4 | 1181.8 | 1181.4 | 1181.2 | 1181.1 | 1180.8 | 1180.7 | 1181.7 |
| 180° | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 |



TEST NUMBER: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-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° | 25.6 | 25.8 | 26.0 | 26.0 | 25.7 | 25.4 | 25.2 | 25.0 |
| 90° | 16.8 | 17.8 | 18.9 | 19.6 | 20.3 | 20.8 | 21.5 | 22.1 |
| 92.5° | 38.0 | 39.4 | 40.7 | 41.7 | 42.1 | 42.5 | 43.0 | 43.4 |
| 95° | 73.8 | 75.2 | 76.6 | 77.6 | 78.0 | 78.3 | 78.7 | 79.1 |
| 97.5° | 115.6 | 116.9 | 118.3 | 119.1 | 119.3 | 119.5 | 119.8 | 120.0 |
| 100° | 144.5 | 146.4 | 148.2 | 149.3 | 149.7 | 150.1 | 150.6 | 151.0 |
| 102.5° | 174.3 | 176.3 | 178.3 | 179.6 | 180.2 | 180.8 | 181.3 | 181.9 |
| 105° | 222.4 | 223.7 | 224.9 | 225.9 | 226.5 | 227.0 | 227.7 | 228.3 |
| 107.5° | 274.4 | 275.0 | 275.7 | 276.0 | 275.9 | 275.9 | 275.8 | 275.8 |
| 110° | 310.5 | 311.2 | 311.7 | 312.0 | 311.7 | 311.6 | 311.3 | 311.2 |



TEST NUMBER: P333293-927

CATALOG NUMBER: S125DIP-S1090D1205U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 346.7 | 347.0 | 347.3 | 347.2 | 346.9 | 346.5 | 346.1 | 345.8 |
| 115° | 401.9 | 401.6 | 401.5 | 401.2 | 401.1 | 400.8 | 400.6 | 400.4 |
| 117.5° | 457.1 | 457.2 | 457.4 | 457.1 | 456.3 | 455.5 | 454.6 | 453.8 |
| 120° | 494.3 | 494.3 | 494.3 | 493.9 | 493.1 | 492.3 | 491.5 | 490.7 |
| 122.5° | 530.8 | 530.7 | 530.5 | 530.1 | 529.4 | 528.8 | 528.1 | 527.5 |
| 125° | 584.6 | 584.2 | 583.8 | 583.5 | 583.4 | 583.1 | 582.9 | 582.7 |
| 127.5° | 638.1 | 637.9 | 637.7 | 637.4 | 637.0 | 636.5 | 636.1 | 635.7 |
| 130° | 673.4 | 673.2 | 673.0 | 672.7 | 672.3 | 671.9 | 671.5 | 671.1 |
| 132.5° | 707.3 | 707.1 | 706.9 | 706.5 | 705.9 | 705.4 | 704.8 | 704.3 |
| 135° | 759.5 | 759.5 | 759.5 | 759.1 | 758.2 | 757.4 | 756.6 | 755.7 |
| 137.5° | 810.2 | 810.5 | 810.7 | 810.3 | 809.3 | 808.3 | 807.2 | 806.2 |
| 140° | 842.2 | 842.6 | 843.0 | 842.7 | 841.7 | 840.7 | 839.6 | 838.6 |
| 142.5° | 873.5 | 873.8 | 874.0 | 873.6 | 872.6 | 871.6 | 870.6 | 869.6 |
| 145° | 918.7 | 918.7 | 918.7 | 918.4 | 917.8 | 917.2 | 916.6 | 915.9 |
| 147.5° | 960.6 | 961.1 | 961.6 | 961.1 | 959.7 | 958.3 | 957.0 | 955.5 |
| 150° | 986.8 | 986.8 | 986.8 | 986.7 | 986.2 | 985.8 | 985.4 | 985.0 |
| 152.5° | 1011.4 | 1011.9 | 1012.3 | 1012.3 | 1011.5 | 1010.7 | 1010.0 | 1009.3 |
| 155° | 1046.5 | 1047.3 | 1048.1 | 1048.0 | 1046.9 | 1045.9 | 1045.0 | 1043.9 |
| 157.5° | 1076.8 | 1077.7 | 1078.5 | 1078.2 | 1076.9 | 1075.5 | 1074.2 | 1072.9 |
| 160° | 1095.3 | 1096.1 | 1096.9 | 1096.8 | 1095.7 | 1094.7 | 1093.7 | 1092.7 |
| 162.5° | 1112.5 | 1113.5 | 1114.5 | 1114.4 | 1113.2 | 1112.0 | 1110.8 | 1109.6 |
| 165° | 1135.8 | 1136.5 | 1137.4 | 1137.2 | 1136.0 | 1134.7 | 1133.5 | 1132.3 |
| 167.5° | 1152.9 | 1154.2 | 1155.4 | 1155.4 | 1154.1 | 1152.9 | 1151.6 | 1150.3 |
| 170° | 1163.2 | 1164.5 | 1165.7 | 1165.6 | 1164.2 | 1162.8 | 1161.3 | 1159.9 |
| 172.5° | 1170.6 | 1171.9 | 1173.1 | 1173.1 | 1171.8 | 1170.5 | 1169.3 | 1168.0 |
| 175° | 1178.9 | 1180.1 | 1181.4 | 1181.3 | 1179.9 | 1178.5 | 1176.9 | 1175.5 |
| 177.5° | 1182.6 | 1183.7 | 1184.6 | 1184.6 | 1183.4 | 1182.3 | 1181.1 | 1180.0 |
| 180° | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 | 1182.9 |

(END OF REPORT)