

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: P333457-935

Luminaire Tested: **S125DIW-S1090D1560U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333457-935
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: S125DIW-S1090D1560U935-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8331.8 lumens
Efficiency: N/A
Efficacy: 108.8 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

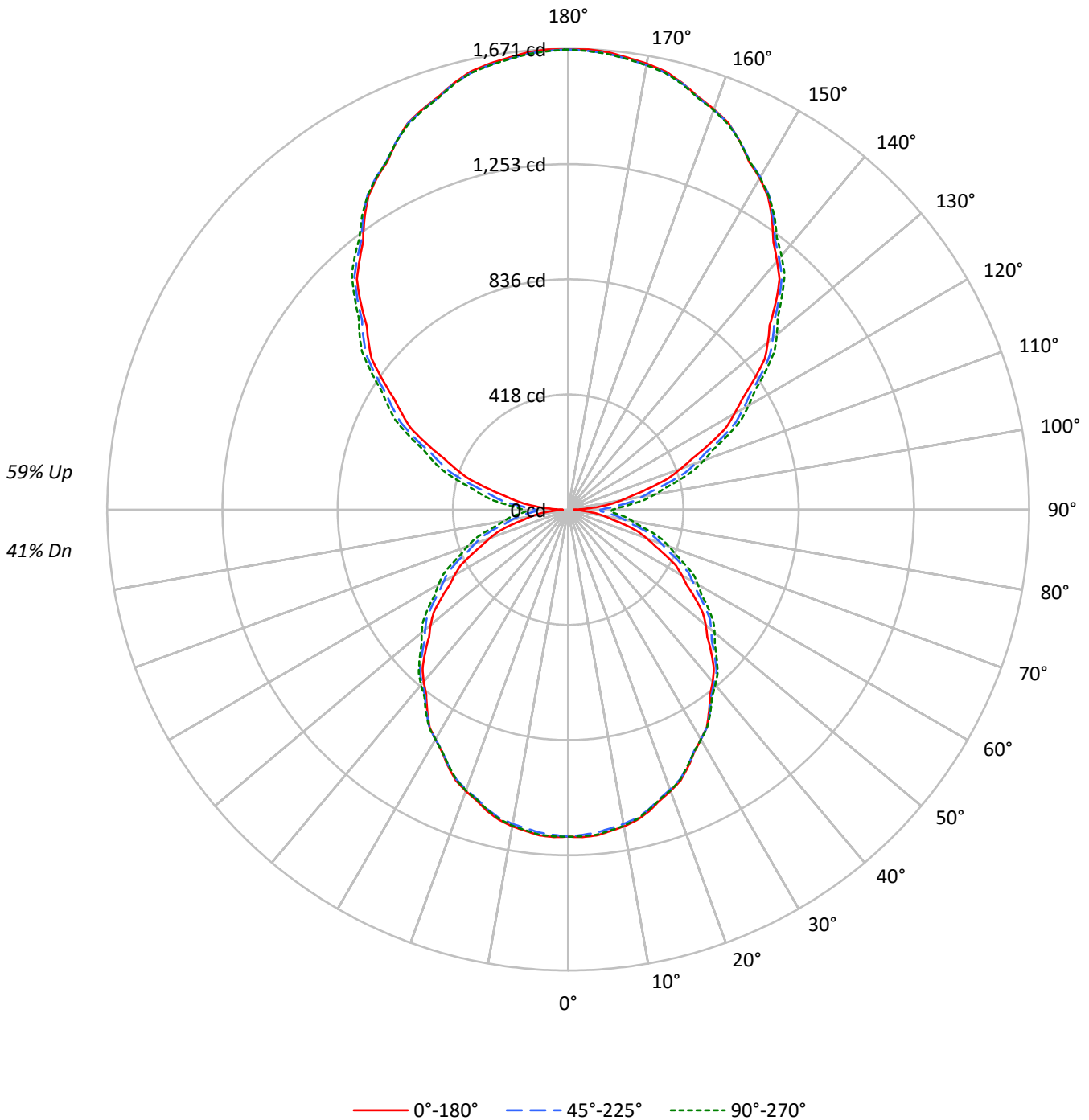
Input Watts (W): 76.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-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 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 48 | 48 | 48 | 41 |
| 1 | 95 | 91 | 87 | 83 | 87 | 83 | 79 | 76 | 68 | 65 | 63 | 54 | 53 | 51 | 42 | 41 | 39 | 34 |
| 2 | 86 | 79 | 73 | 67 | 78 | 72 | 67 | 62 | 59 | 55 | 52 | 47 | 44 | 42 | 36 | 34 | 33 | 28 |
| 3 | 79 | 69 | 62 | 56 | 71 | 63 | 57 | 51 | 52 | 47 | 43 | 42 | 38 | 35 | 32 | 30 | 28 | 23 |
| 4 | 72 | 61 | 53 | 47 | 65 | 56 | 49 | 43 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 26 | 24 | 20 |
| 5 | 66 | 54 | 46 | 40 | 60 | 50 | 42 | 37 | 41 | 36 | 31 | 33 | 29 | 26 | 26 | 23 | 20 | 17 |
| 6 | 61 | 48 | 40 | 34 | 55 | 44 | 37 | 32 | 37 | 31 | 27 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |
| 7 | 56 | 44 | 36 | 30 | 51 | 40 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 52 | 40 | 32 | 26 | 47 | 36 | 29 | 25 | 30 | 25 | 21 | 25 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9 | 48 | 36 | 29 | 23 | 44 | 33 | 26 | 22 | 28 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |
| 10 | 45 | 33 | 26 | 21 | 41 | 30 | 24 | 20 | 25 | 20 | 17 | 21 | 17 | 14 | 17 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7657 | 7657 | 7657 |
| 5° | 7672 | 7516 | 7539 |
| 10° | 7617 | 7381 | 7370 |
| 15° | 7527 | 7221 | 7155 |
| 20° | 7405 | 7022 | 6940 |
| 25° | 7259 | 6810 | 6675 |
| 30° | 7083 | 6575 | 6434 |
| 35° | 6919 | 6361 | 6214 |
| 40° | 6751 | 6134 | 5991 |
| 45° | 6562 | 5941 | 5794 |
| 50° | 6381 | 5731 | 5621 |
| 55° | 6164 | 5532 | 5416 |
| 60° | 5927 | 5306 | 5207 |
| 65° | 5679 | 5069 | 4972 |
| 70° | 5397 | 4745 | 4731 |
| 75° | 4952 | 4435 | 4434 |
| 80° | 4367 | 4057 | 4111 |
| 85° | 3824 | 3802 | 4009 |



TEST NUMBER: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.1 | 1.3 |
| 10°-20° | 318.2 | 3.8 |
| 20°-30° | 473.3 | 5.7 |
| 30°-40° | 560.6 | 6.7 |
| 40°-50° | 579.6 | 7.0 |
| 50°-60° | 533.9 | 6.4 |
| 60°-70° | 431.6 | 5.2 |
| 70°-80° | 289.0 | 3.5 |
| 80°-90° | 153.5 | 1.8 |
| 90°-100° | 195.9 | 2.4 |
| 100°-110° | 392.0 | 4.7 |
| 110°-120° | 600.6 | 7.2 |
| 120°-130° | 759.3 | 9.1 |
| 130°-140° | 834.6 | 10.0 |
| 140°-150° | 810.0 | 9.7 |
| 150°-160° | 678.6 | 8.1 |
| 160°-170° | 451.1 | 5.4 |
| 170°-180° | 157.9 | 1.9 |
| 0°-30° | 903.6 | 10.8 |
| 0°-40° | 1464.2 | 17.6 |
| 0°-60° | 2577.8 | 30.9 |
| 0°-90° | 3452.0 | 41.4 |
| 90°-120° | 1188.5 | 14.3 |
| 90°-150° | 3592.3 | 43.1 |
| 90°-180° | 4880.0 | 58.6 |
| 0°-180° | 8331.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1186 | 1186 | 1186 | 1186 | 1186 | |
| 5° | 1186 | 1183 | 1175 | 1184 | 1183 | 112 |
| 15° | 1132 | 1133 | 1125 | 1132 | 1128 | 319 |
| 25° | 1029 | 1032 | 1025 | 1029 | 1024 | 473 |
| 35° | 890 | 898 | 895 | 898 | 898 | 557 |
| 45° | 733 | 746 | 752 | 760 | 761 | 566 |
| 55° | 564 | 582 | 601 | 613 | 618 | 504 |
| 65° | 388 | 415 | 443 | 460 | 465 | 385 |
| 75° | 214 | 244 | 281 | 304 | 310 | 227 |
| 85° | 64 | 102 | 143 | 168 | 178 | 68 |
| 90° | 20 | 68 | 116 | 148 | 161 | 17 |
| 95° | 100 | 133 | 185 | 218 | 230 | 102 |
| 105° | 306 | 333 | 374 | 404 | 417 | 327 |
| 115° | 567 | 581 | 613 | 632 | 638 | 560 |
| 125° | 821 | 829 | 853 | 868 | 873 | 735 |
| 135° | 1064 | 1071 | 1081 | 1095 | 1096 | 820 |
| 145° | 1288 | 1292 | 1296 | 1301 | 1302 | 805 |
| 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: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 |
| 2.5° | 1188.4 | 1187.9 | 1187.5 | 1187.1 | 1186.7 | 1185.8 | 1184.3 | 1182.8 | 1181.5 | 1180.0 | 1181.5 |
| 5° | 1185.6 | 1185.1 | 1184.6 | 1184.0 | 1183.5 | 1182.3 | 1180.5 | 1178.7 | 1176.9 | 1175.1 | 1177.2 |
| 7.5° | 1175.1 | 1174.9 | 1174.7 | 1174.5 | 1174.3 | 1173.3 | 1171.4 | 1169.5 | 1167.7 | 1165.8 | 1167.6 |
| 10° | 1165.8 | 1165.8 | 1165.8 | 1165.8 | 1165.8 | 1164.8 | 1162.7 | 1160.6 | 1158.6 | 1156.5 | 1158.3 |
| 12.5° | 1152.8 | 1153.0 | 1153.2 | 1153.4 | 1153.7 | 1152.9 | 1151.2 | 1149.6 | 1148.0 | 1146.2 | 1147.7 |
| 15° | 1132.1 | 1132.4 | 1132.6 | 1132.9 | 1133.2 | 1132.4 | 1130.6 | 1128.8 | 1127.0 | 1125.2 | 1126.7 |
| 17.5° | 1105.1 | 1105.6 | 1106.1 | 1106.6 | 1107.2 | 1106.6 | 1104.7 | 1102.9 | 1101.1 | 1099.3 | 1100.5 |
| 20° | 1085.6 | 1086.2 | 1086.7 | 1087.2 | 1087.7 | 1087.0 | 1085.2 | 1083.4 | 1081.6 | 1079.8 | 1080.6 |
| 22.5° | 1063.2 | 1064.2 | 1065.1 | 1066.1 | 1067.0 | 1066.4 | 1064.5 | 1062.5 | 1060.4 | 1058.4 | 1059.4 |
| 25° | 1028.6 | 1029.4 | 1030.2 | 1031.0 | 1031.7 | 1031.4 | 1029.8 | 1028.3 | 1026.7 | 1025.2 | 1026.2 |
| 27.5° | 990.1 | 991.2 | 992.3 | 993.5 | 994.6 | 994.3 | 992.6 | 990.8 | 989.0 | 987.3 | 988.0 |
| 30° | 961.2 | 962.8 | 964.3 | 965.9 | 967.4 | 967.4 | 965.9 | 964.3 | 962.8 | 961.2 | 961.7 |
| 32.5° | 935.2 | 936.5 | 937.9 | 939.3 | 940.6 | 940.6 | 939.5 | 938.4 | 937.3 | 936.2 | 936.7 |
| 35° | 890.4 | 892.2 | 894.0 | 895.8 | 897.6 | 898.1 | 897.3 | 896.6 | 895.8 | 895.0 | 895.8 |
| 37.5° | 845.5 | 847.1 | 848.8 | 850.4 | 852.0 | 852.8 | 852.6 | 852.3 | 852.0 | 851.8 | 852.8 |
| 40° | 814.8 | 816.8 | 818.9 | 821.0 | 823.0 | 824.0 | 823.7 | 823.5 | 823.2 | 822.9 | 824.0 |
| 42.5° | 781.3 | 784.0 | 786.7 | 789.4 | 792.0 | 793.7 | 794.3 | 794.8 | 795.4 | 796.0 | 797.2 |
| 45° | 733.4 | 736.2 | 739.1 | 741.9 | 744.8 | 746.8 | 748.1 | 749.4 | 750.7 | 752.0 | 753.8 |
| 47.5° | 684.4 | 687.0 | 689.7 | 692.2 | 694.9 | 697.3 | 699.6 | 701.8 | 704.0 | 706.2 | 708.9 |
| 50° | 650.9 | 653.8 | 656.6 | 659.4 | 662.3 | 665.1 | 668.0 | 670.8 | 673.6 | 676.5 | 679.3 |
| 52.5° | 615.5 | 619.1 | 622.5 | 625.9 | 629.4 | 632.8 | 636.4 | 639.8 | 643.3 | 646.7 | 649.8 |
| 55° | 563.7 | 567.8 | 572.0 | 576.1 | 580.2 | 584.4 | 588.5 | 592.6 | 596.8 | 600.9 | 603.7 |
| 57.5° | 510.7 | 515.7 | 520.6 | 525.6 | 530.5 | 535.5 | 540.2 | 544.9 | 549.7 | 554.4 | 557.7 |
| 60° | 475.4 | 480.5 | 485.7 | 490.9 | 496.0 | 501.2 | 506.4 | 511.5 | 516.7 | 521.9 | 525.7 |
| 62.5° | 441.0 | 446.2 | 451.3 | 456.5 | 461.7 | 467.0 | 472.6 | 478.2 | 483.8 | 489.3 | 493.6 |
| 65° | 388.2 | 394.2 | 400.1 | 406.0 | 412.0 | 418.0 | 424.2 | 430.4 | 436.6 | 442.8 | 446.7 |
| 67.5° | 338.5 | 344.2 | 349.9 | 355.7 | 361.4 | 367.4 | 373.8 | 380.0 | 386.3 | 392.6 | 397.4 |
| 70° | 302.2 | 308.2 | 314.1 | 320.0 | 326.0 | 332.3 | 339.0 | 345.7 | 352.4 | 359.1 | 364.0 |
| 72.5° | 266.9 | 273.0 | 279.1 | 285.3 | 291.4 | 298.2 | 305.6 | 312.9 | 320.2 | 327.5 | 332.9 |
| 75° | 213.9 | 220.6 | 227.3 | 234.0 | 240.7 | 248.2 | 256.5 | 264.8 | 273.0 | 281.3 | 286.5 |
| 77.5° | 163.0 | 170.7 | 178.5 | 186.2 | 194.0 | 201.8 | 209.7 | 217.7 | 225.7 | 233.6 | 239.3 |
| 80° | 131.3 | 139.1 | 146.8 | 154.5 | 162.3 | 170.6 | 179.3 | 188.1 | 196.9 | 205.7 | 211.4 |
| 82.5° | 102.5 | 110.6 | 118.8 | 127.0 | 135.2 | 143.7 | 152.7 | 161.7 | 170.7 | 179.7 | 185.2 |
| 85° | 63.9 | 72.4 | 80.9 | 89.5 | 98.0 | 106.8 | 115.8 | 124.8 | 133.9 | 142.9 | 148.6 |
| 87.5° | 36.5 | 45.3 | 54.0 | 62.7 | 71.5 | 80.4 | 89.5 | 98.8 | 108.0 | 117.1 | 123.4 |
| 90° | 19.9 | 30.5 | 41.1 | 51.7 | 62.2 | 72.8 | 83.7 | 94.5 | 105.3 | 116.1 | 123.5 |
| 92.5° | 48.1 | 57.4 | 66.7 | 75.9 | 85.2 | 95.6 | 107.0 | 118.5 | 130.0 | 141.5 | 149.1 |
| 95° | 99.5 | 106.9 | 114.1 | 121.4 | 128.7 | 138.2 | 149.8 | 161.5 | 173.1 | 184.9 | 192.5 |
| 97.5° | 153.9 | 160.2 | 166.5 | 172.8 | 179.1 | 188.4 | 200.9 | 213.4 | 225.8 | 238.2 | 245.6 |
| 100° | 194.6 | 200.0 | 205.4 | 210.9 | 216.3 | 225.0 | 237.0 | 249.0 | 261.1 | 273.0 | 281.1 |
| 102.5° | 238.3 | 244.5 | 250.6 | 256.8 | 262.9 | 271.0 | 281.0 | 290.9 | 300.9 | 310.9 | 318.9 |
| 105° | 306.5 | 312.1 | 317.7 | 323.2 | 328.8 | 336.4 | 345.9 | 355.3 | 364.8 | 374.3 | 381.2 |
| 107.5° | 382.0 | 386.9 | 391.9 | 396.8 | 401.8 | 408.7 | 417.4 | 426.2 | 435.0 | 443.8 | 449.7 |
| 110° | 434.0 | 438.6 | 443.2 | 447.7 | 452.2 | 458.6 | 466.7 | 474.8 | 482.8 | 490.9 | 496.7 |



TEST NUMBER: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 488.1 | 491.3 | 494.6 | 497.7 | 501.0 | 506.7 | 514.8 | 522.9 | 531.1 | 539.2 | 544.2 |
| 115° | 566.6 | 569.6 | 572.6 | 575.5 | 578.5 | 583.6 | 590.9 | 598.2 | 605.5 | 612.8 | 617.2 |
| 117.5° | 645.5 | 647.2 | 648.8 | 650.6 | 652.3 | 656.6 | 663.5 | 670.4 | 677.2 | 684.1 | 688.7 |
| 120° | 695.3 | 697.6 | 699.7 | 702.0 | 704.2 | 708.4 | 714.6 | 720.9 | 727.1 | 733.3 | 737.7 |
| 122.5° | 748.4 | 749.3 | 750.2 | 751.1 | 751.9 | 755.6 | 762.1 | 768.6 | 775.1 | 781.5 | 785.5 |
| 125° | 821.4 | 822.9 | 824.4 | 825.9 | 827.3 | 830.8 | 836.2 | 841.7 | 847.1 | 852.6 | 856.2 |
| 127.5° | 898.2 | 898.9 | 899.7 | 900.3 | 901.0 | 903.7 | 908.3 | 912.9 | 917.5 | 922.0 | 925.6 |
| 130° | 944.9 | 946.1 | 947.3 | 948.5 | 949.7 | 952.4 | 956.6 | 960.7 | 964.9 | 969.1 | 972.4 |
| 132.5° | 990.8 | 993.1 | 995.4 | 997.6 | 1000.0 | 1002.5 | 1005.1 | 1007.8 | 1010.5 | 1013.2 | 1016.5 |
| 135° | 1064.5 | 1066.0 | 1067.5 | 1068.9 | 1070.4 | 1072.2 | 1074.3 | 1076.4 | 1078.5 | 1080.6 | 1083.9 |
| 137.5° | 1133.9 | 1135.3 | 1136.9 | 1138.3 | 1139.8 | 1141.3 | 1142.7 | 1144.3 | 1145.8 | 1147.3 | 1150.7 |
| 140° | 1177.6 | 1179.1 | 1180.5 | 1182.0 | 1183.4 | 1184.6 | 1185.8 | 1187.0 | 1188.1 | 1189.2 | 1192.6 |
| 142.5° | 1222.3 | 1223.3 | 1224.3 | 1225.3 | 1226.3 | 1227.4 | 1228.6 | 1229.7 | 1230.8 | 1232.0 | 1234.8 |
| 145° | 1288.0 | 1288.9 | 1289.8 | 1290.7 | 1291.6 | 1292.4 | 1293.3 | 1294.2 | 1295.0 | 1295.9 | 1297.2 |
| 147.5° | 1347.6 | 1348.2 | 1348.8 | 1349.5 | 1350.1 | 1350.8 | 1351.5 | 1352.2 | 1352.9 | 1353.6 | 1354.7 |
| 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: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 | 1185.6 |
| 2.5° | 1182.8 | 1184.3 | 1185.8 | 1186.4 | 1186.2 | 1185.9 | 1185.8 | 1185.6 |
| 5° | 1179.2 | 1181.3 | 1183.4 | 1184.3 | 1184.0 | 1183.8 | 1183.5 | 1183.3 |
| 7.5° | 1169.4 | 1171.2 | 1173.0 | 1173.8 | 1173.5 | 1173.3 | 1173.0 | 1172.8 |
| 10° | 1160.1 | 1161.9 | 1163.7 | 1164.5 | 1164.2 | 1164.0 | 1163.7 | 1163.5 |
| 12.5° | 1149.1 | 1150.5 | 1151.8 | 1152.2 | 1151.6 | 1150.9 | 1150.2 | 1149.5 |
| 15° | 1128.3 | 1129.8 | 1131.4 | 1131.6 | 1130.6 | 1129.5 | 1128.5 | 1127.5 |
| 17.5° | 1101.7 | 1102.9 | 1104.1 | 1104.3 | 1103.7 | 1103.1 | 1102.5 | 1101.9 |
| 20° | 1081.3 | 1082.1 | 1082.9 | 1083.3 | 1083.3 | 1083.3 | 1083.3 | 1083.3 |
| 22.5° | 1060.4 | 1061.4 | 1062.3 | 1062.5 | 1061.9 | 1061.3 | 1060.7 | 1060.1 |
| 25° | 1027.3 | 1028.3 | 1029.3 | 1029.2 | 1027.9 | 1026.6 | 1025.3 | 1024.0 |
| 27.5° | 988.7 | 989.5 | 990.2 | 990.3 | 989.8 | 989.4 | 988.9 | 988.4 |
| 30° | 962.3 | 962.8 | 963.3 | 963.5 | 963.2 | 962.9 | 962.7 | 962.4 |
| 32.5° | 937.2 | 937.7 | 938.2 | 938.3 | 938.1 | 937.8 | 937.5 | 937.3 |
| 35° | 896.6 | 897.3 | 898.1 | 898.5 | 898.5 | 898.5 | 898.5 | 898.5 |
| 37.5° | 853.9 | 854.9 | 855.9 | 856.4 | 856.3 | 856.2 | 856.0 | 855.9 |
| 40° | 825.0 | 826.0 | 827.1 | 827.9 | 828.4 | 828.9 | 829.4 | 829.9 |
| 42.5° | 798.4 | 799.7 | 800.9 | 801.6 | 801.7 | 801.8 | 801.9 | 802.0 |
| 45° | 755.6 | 757.4 | 759.2 | 760.3 | 760.5 | 760.8 | 761.0 | 761.3 |
| 47.5° | 711.5 | 714.1 | 716.8 | 718.3 | 718.9 | 719.5 | 720.1 | 720.7 |
| 50° | 682.2 | 685.0 | 687.9 | 689.7 | 690.4 | 691.2 | 692.0 | 692.8 |
| 52.5° | 652.8 | 655.8 | 658.9 | 660.7 | 661.2 | 661.9 | 662.5 | 663.0 |
| 55° | 606.6 | 609.4 | 612.3 | 614.2 | 615.3 | 616.3 | 617.3 | 618.4 |
| 57.5° | 560.9 | 564.2 | 567.5 | 569.5 | 570.2 | 571.0 | 571.8 | 572.6 |
| 60° | 529.6 | 533.5 | 537.4 | 539.7 | 540.4 | 541.2 | 542.0 | 542.8 |
| 62.5° | 497.9 | 502.2 | 506.5 | 509.1 | 510.1 | 511.1 | 512.0 | 513.1 |
| 65° | 450.6 | 454.4 | 458.3 | 460.8 | 461.8 | 462.9 | 463.9 | 464.9 |
| 67.5° | 402.0 | 406.7 | 411.5 | 414.5 | 415.8 | 417.2 | 418.4 | 419.8 |
| 70° | 368.9 | 373.8 | 378.8 | 382.0 | 383.6 | 385.1 | 386.7 | 388.2 |
| 72.5° | 338.2 | 343.5 | 348.8 | 352.1 | 353.2 | 354.3 | 355.4 | 356.6 |
| 75° | 291.6 | 296.8 | 302.0 | 305.1 | 306.4 | 307.7 | 309.0 | 310.3 |
| 77.5° | 245.0 | 250.6 | 256.3 | 259.7 | 260.7 | 261.7 | 262.8 | 263.8 |
| 80° | 217.1 | 222.7 | 228.4 | 231.8 | 232.8 | 233.8 | 234.9 | 235.9 |
| 82.5° | 190.6 | 196.1 | 201.6 | 205.3 | 207.2 | 209.0 | 210.9 | 212.7 |
| 85° | 154.3 | 160.0 | 165.7 | 169.5 | 171.6 | 173.7 | 175.7 | 177.8 |
| 87.5° | 129.6 | 135.8 | 142.1 | 146.2 | 148.2 | 150.2 | 152.1 | 154.1 |
| 90° | 130.9 | 138.3 | 145.6 | 150.7 | 153.3 | 156.0 | 158.7 | 161.4 |
| 92.5° | 156.7 | 164.4 | 172.0 | 177.0 | 179.5 | 181.9 | 184.3 | 186.8 |
| 95° | 200.3 | 207.9 | 215.7 | 220.7 | 223.1 | 225.5 | 227.8 | 230.2 |
| 97.5° | 252.9 | 260.2 | 267.5 | 272.2 | 274.4 | 276.5 | 278.5 | 280.7 |
| 100° | 289.1 | 297.1 | 305.1 | 310.2 | 312.4 | 314.4 | 316.6 | 318.7 |
| 102.5° | 327.0 | 335.0 | 343.1 | 348.3 | 350.6 | 353.0 | 355.3 | 357.7 |
| 105° | 388.1 | 394.9 | 401.8 | 406.7 | 409.3 | 412.0 | 414.7 | 417.3 |
| 107.5° | 455.7 | 461.7 | 467.7 | 471.4 | 472.9 | 474.5 | 476.0 | 477.6 |
| 110° | 502.5 | 508.2 | 514.0 | 517.6 | 519.2 | 520.7 | 522.2 | 523.7 |



TEST NUMBER: P333457-935

CATALOG NUMBER: S125DIW-S1090D1560U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 549.4 | 554.5 | 559.6 | 562.7 | 564.0 | 565.3 | 566.6 | 567.9 |
| 115° | 621.5 | 625.9 | 630.3 | 633.0 | 634.3 | 635.6 | 636.8 | 638.1 |
| 117.5° | 693.4 | 697.9 | 702.6 | 705.2 | 705.8 | 706.4 | 707.0 | 707.6 |
| 120° | 742.1 | 746.5 | 750.9 | 753.3 | 753.7 | 754.1 | 754.5 | 754.8 |
| 122.5° | 789.5 | 793.4 | 797.4 | 799.7 | 800.3 | 800.9 | 801.5 | 802.2 |
| 125° | 859.7 | 863.2 | 866.9 | 869.1 | 870.1 | 871.1 | 872.1 | 873.1 |
| 127.5° | 929.1 | 932.6 | 936.2 | 938.4 | 939.4 | 940.2 | 941.2 | 942.1 |
| 130° | 975.8 | 979.1 | 982.4 | 984.5 | 985.2 | 985.8 | 986.6 | 987.3 |
| 132.5° | 1019.9 | 1023.1 | 1026.5 | 1028.3 | 1028.6 | 1028.9 | 1029.2 | 1029.4 |
| 135° | 1087.3 | 1090.6 | 1094.0 | 1095.8 | 1095.9 | 1096.1 | 1096.1 | 1096.3 |
| 137.5° | 1154.1 | 1157.4 | 1160.9 | 1162.4 | 1161.9 | 1161.6 | 1161.1 | 1160.7 |
| 140° | 1196.0 | 1199.5 | 1202.8 | 1204.4 | 1203.9 | 1203.5 | 1203.2 | 1202.7 |
| 142.5° | 1237.5 | 1240.3 | 1243.1 | 1244.2 | 1243.9 | 1243.5 | 1243.0 | 1242.6 |
| 145° | 1298.5 | 1299.8 | 1301.1 | 1301.8 | 1302.0 | 1302.2 | 1302.3 | 1302.5 |
| 147.5° | 1355.8 | 1356.9 | 1358.0 | 1357.8 | 1356.3 | 1354.8 | 1353.3 | 1351.9 |
| 150° | 1392.1 | 1392.1 | 1392.1 | 1391.9 | 1391.5 | 1391.2 | 1390.9 | 1390.6 |
| 152.5° | 1426.7 | 1427.4 | 1428.1 | 1427.9 | 1426.9 | 1425.9 | 1425.0 | 1423.9 |
| 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)