

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: P333607-927

Luminaire Tested: **S125RDIP-S1090D1205U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333607-927
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: S125RDIP-S1090D1205U927-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7161.5 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

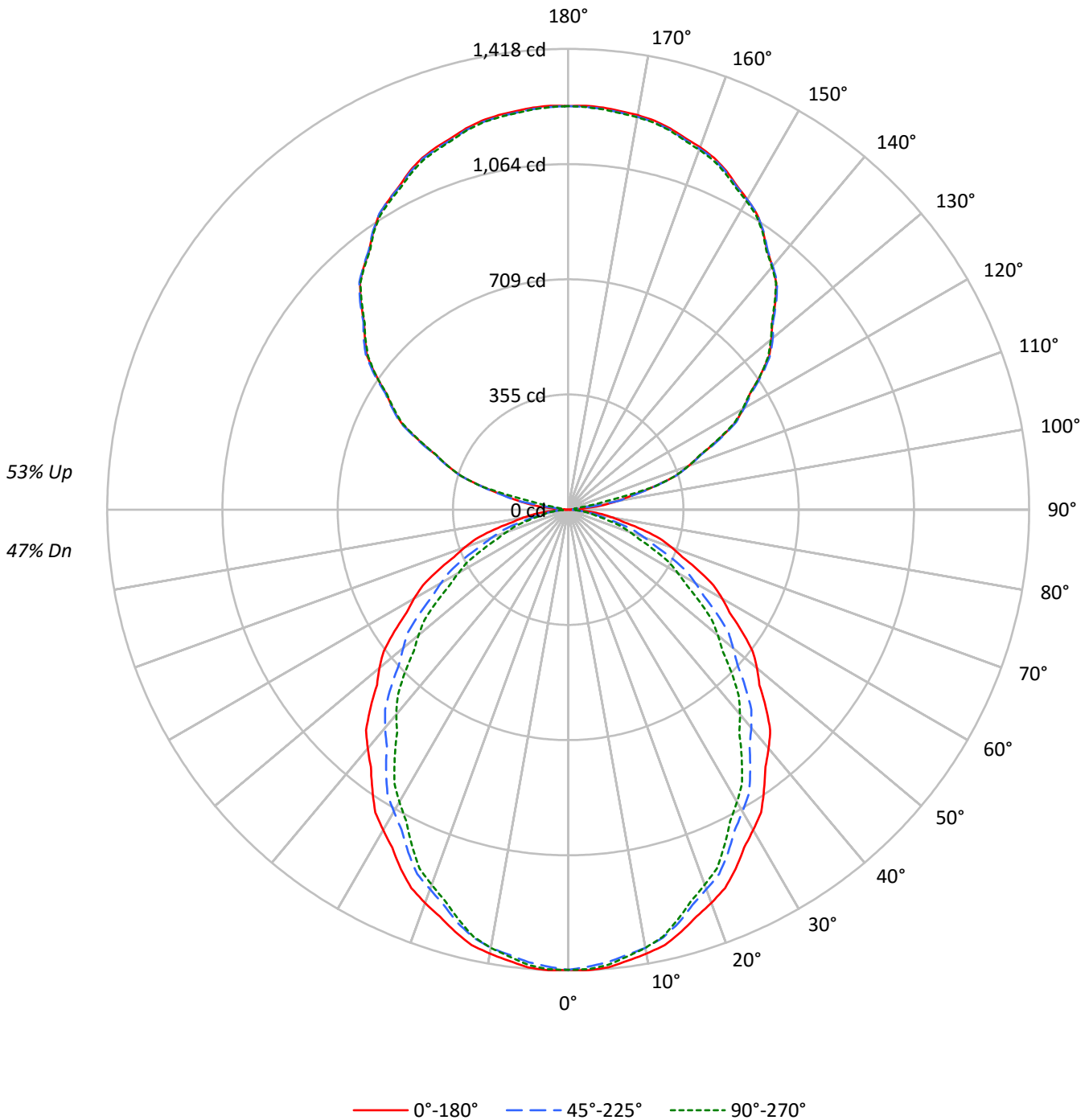
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

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 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 53 | 53 | 53 | 47 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 69 | 67 | 59 | 57 | 56 | 47 | 46 | 45 | 40 |
| 2 | 89 | 81 | 75 | 70 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 52 | 49 | 47 | 42 | 40 | 38 | 34 |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 29 |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 40 | 41 | 37 | 34 | 33 | 31 | 28 | 25 |
| 5 | 68 | 57 | 49 | 43 | 62 | 52 | 45 | 40 | 45 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 22 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 31 | 34 | 29 | 26 | 27 | 24 | 22 | 19 |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 36 | 31 | 27 | 31 | 26 | 23 | 25 | 22 | 20 | 17 |
| 8 | 54 | 42 | 34 | 29 | 49 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | 15 |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 24 | 30 | 25 | 21 | 26 | 22 | 19 | 21 | 18 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9144 | 9144 | 9144 |
| 5° | 9166 | 9061 | 9117 |
| 10° | 9096 | 8977 | 8977 |
| 15° | 8988 | 8795 | 8723 |
| 20° | 8849 | 8541 | 8438 |
| 25° | 8688 | 8292 | 8109 |
| 30° | 8486 | 7999 | 7744 |
| 35° | 8280 | 7698 | 7335 |
| 40° | 8088 | 7384 | 6933 |
| 45° | 7853 | 7033 | 6495 |
| 50° | 7618 | 6650 | 6038 |
| 55° | 7346 | 6286 | 5551 |
| 60° | 7073 | 5842 | 5028 |
| 65° | 6748 | 5327 | 4429 |
| 70° | 6381 | 4685 | 3816 |
| 75° | 5871 | 3950 | 3174 |
| 80° | 5170 | 3102 | 2663 |
| 85° | 4357 | 2534 | 2379 |



TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 133.1 | 1.9 |
| 10°-20° | 372.1 | 5.2 |
| 20°-30° | 539.6 | 7.5 |
| 30°-40° | 614.9 | 8.6 |
| 40°-50° | 599.4 | 8.4 |
| 50°-60° | 504.6 | 7.0 |
| 60°-70° | 353.7 | 4.9 |
| 70°-80° | 181.8 | 2.5 |
| 80°-90° | 48.5 | 0.7 |
| 90°-100° | 45.1 | 0.6 |
| 100°-110° | 278.2 | 3.9 |
| 110°-120° | 504.5 | 7.0 |
| 120°-130° | 647.4 | 9.0 |
| 130°-140° | 696.4 | 9.7 |
| 140°-150° | 653.6 | 9.1 |
| 150°-160° | 528.7 | 7.4 |
| 160°-170° | 342.0 | 4.8 |
| 170°-180° | 117.9 | 1.6 |
| 0°-30° | 1044.8 | 14.6 |
| 0°-40° | 1659.7 | 23.2 |
| 0°-60° | 2763.6 | 38.6 |
| 0°-90° | 3347.6 | 46.7 |
| 90°-120° | 827.8 | 11.6 |
| 90°-150° | 2825.2 | 39.5 |
| 90°-180° | 3814.0 | 53.3 |
| 0°-180° | 7161.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1416 | 1416 | 1416 | 1416 | 1416 | |
| 5° | 1414 | 1409 | 1398 | 1408 | 1406 | 134 |
| 15° | 1344 | 1337 | 1315 | 1314 | 1305 | 379 |
| 25° | 1219 | 1202 | 1164 | 1150 | 1138 | 561 |
| 35° | 1050 | 1023 | 976 | 946 | 930 | 657 |
| 45° | 860 | 827 | 770 | 729 | 711 | 663 |
| 55° | 652 | 617 | 558 | 512 | 493 | 583 |
| 65° | 442 | 404 | 349 | 307 | 290 | 437 |
| 75° | 235 | 202 | 158 | 136 | 127 | 249 |
| 85° | 59 | 40 | 34 | 33 | 32 | 66 |
| 90° | 1 | 8 | 15 | 19 | 22 | 5 |
| 95° | 52 | 48 | 15 | 19 | 19 | 67 |
| 105° | 271 | 274 | 274 | 274 | 274 | 287 |
| 115° | 508 | 513 | 514 | 510 | 504 | 504 |
| 125° | 723 | 729 | 729 | 726 | 723 | 645 |
| 135° | 901 | 906 | 905 | 903 | 898 | 694 |
| 145° | 1045 | 1047 | 1047 | 1047 | 1042 | 653 |
| 155° | 1151 | 1146 | 1147 | 1149 | 1143 | 530 |
| 165° | 1214 | 1209 | 1210 | 1215 | 1208 | 343 |
| 175° | 1242 | 1237 | 1237 | 1244 | 1236 | 118 |
| 180° | 1242 | 1242 | 1242 | 1242 | 1242 | |



TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |
| 2.5° | 1418.5 | 1417.9 | 1417.4 | 1416.7 | 1416.2 | 1415.0 | 1413.1 | 1411.2 | 1409.3 | 1407.4 | 1409.3 |
| 5° | 1413.8 | 1412.9 | 1411.9 | 1411.0 | 1410.0 | 1408.2 | 1405.6 | 1403.0 | 1400.3 | 1397.7 | 1400.1 |
| 7.5° | 1399.9 | 1399.0 | 1398.0 | 1397.2 | 1396.2 | 1394.2 | 1391.1 | 1388.0 | 1384.8 | 1381.7 | 1383.4 |
| 10° | 1387.0 | 1386.3 | 1385.6 | 1384.9 | 1384.2 | 1382.2 | 1378.9 | 1375.5 | 1372.2 | 1368.9 | 1369.6 |
| 12.5° | 1372.5 | 1371.6 | 1370.7 | 1369.8 | 1368.9 | 1366.2 | 1361.8 | 1357.2 | 1352.8 | 1348.3 | 1348.8 |
| 15° | 1344.3 | 1342.8 | 1341.4 | 1340.0 | 1338.6 | 1335.4 | 1330.4 | 1325.4 | 1320.4 | 1315.4 | 1315.2 |
| 17.5° | 1312.4 | 1310.2 | 1308.1 | 1305.8 | 1303.6 | 1299.4 | 1293.2 | 1286.9 | 1280.6 | 1274.3 | 1273.1 |
| 20° | 1287.6 | 1285.2 | 1282.9 | 1280.5 | 1278.1 | 1273.1 | 1265.5 | 1257.9 | 1250.3 | 1242.7 | 1241.5 |
| 22.5° | 1260.2 | 1257.8 | 1255.5 | 1253.1 | 1250.7 | 1245.5 | 1237.5 | 1229.5 | 1221.5 | 1213.5 | 1211.2 |
| 25° | 1219.2 | 1215.6 | 1212.0 | 1208.5 | 1204.9 | 1198.7 | 1189.9 | 1181.1 | 1172.4 | 1163.6 | 1160.5 |
| 27.5° | 1172.1 | 1167.8 | 1163.4 | 1159.1 | 1154.8 | 1148.0 | 1138.5 | 1129.1 | 1119.7 | 1110.2 | 1106.0 |
| 30° | 1137.9 | 1133.4 | 1128.9 | 1124.3 | 1119.8 | 1112.5 | 1102.6 | 1092.6 | 1082.6 | 1072.6 | 1067.1 |
| 32.5° | 1104.5 | 1099.2 | 1093.9 | 1088.7 | 1083.4 | 1075.7 | 1065.5 | 1055.3 | 1045.1 | 1035.0 | 1029.0 |
| 35° | 1050.2 | 1044.5 | 1038.8 | 1033.1 | 1027.4 | 1019.1 | 1008.4 | 997.8 | 987.1 | 976.4 | 969.5 |
| 37.5° | 996.9 | 990.0 | 983.0 | 976.1 | 969.2 | 960.2 | 949.1 | 938.1 | 927.1 | 916.1 | 907.8 |
| 40° | 959.3 | 952.1 | 945.0 | 937.9 | 930.7 | 921.5 | 910.1 | 898.7 | 887.2 | 875.8 | 866.8 |
| 42.5° | 919.9 | 912.6 | 905.3 | 897.9 | 890.7 | 881.1 | 869.3 | 857.5 | 845.7 | 833.9 | 825.3 |
| 45° | 859.8 | 852.9 | 846.1 | 839.2 | 832.3 | 822.3 | 809.2 | 796.1 | 783.1 | 770.0 | 760.5 |
| 47.5° | 797.6 | 790.3 | 783.0 | 775.8 | 768.5 | 758.3 | 745.1 | 731.9 | 718.7 | 705.6 | 695.8 |
| 50° | 758.2 | 750.4 | 742.5 | 734.7 | 726.8 | 716.1 | 702.6 | 689.0 | 675.5 | 661.9 | 652.0 |
| 52.5° | 715.4 | 707.4 | 699.3 | 691.3 | 683.3 | 672.9 | 660.1 | 647.3 | 634.5 | 621.8 | 611.0 |
| 55° | 652.4 | 644.8 | 637.2 | 629.5 | 621.9 | 611.5 | 598.2 | 584.9 | 571.6 | 558.3 | 547.6 |
| 57.5° | 588.6 | 580.5 | 572.4 | 564.2 | 556.1 | 545.7 | 532.8 | 520.0 | 507.2 | 494.3 | 483.9 |
| 60° | 547.6 | 539.2 | 530.9 | 522.6 | 514.3 | 503.7 | 490.8 | 478.0 | 465.2 | 452.3 | 441.9 |
| 62.5° | 503.9 | 496.0 | 488.1 | 480.1 | 472.1 | 461.7 | 448.7 | 435.6 | 422.6 | 409.6 | 399.9 |
| 65° | 441.6 | 433.6 | 425.5 | 417.4 | 409.3 | 399.0 | 386.4 | 373.8 | 361.2 | 348.6 | 339.1 |
| 67.5° | 379.9 | 371.8 | 363.7 | 355.6 | 347.5 | 337.5 | 325.3 | 313.3 | 301.3 | 289.1 | 280.5 |
| 70° | 337.9 | 329.9 | 321.8 | 313.7 | 305.6 | 295.6 | 283.8 | 271.9 | 260.0 | 248.1 | 240.7 |
| 72.5° | 296.9 | 289.0 | 281.1 | 273.2 | 265.3 | 255.8 | 244.7 | 233.5 | 222.4 | 211.4 | 204.5 |
| 75° | 235.3 | 228.1 | 221.0 | 213.9 | 206.8 | 198.2 | 188.2 | 178.2 | 168.3 | 158.3 | 153.0 |
| 77.5° | 174.1 | 168.4 | 162.7 | 157.0 | 151.3 | 144.4 | 136.5 | 128.5 | 120.5 | 112.5 | 108.8 |
| 80° | 139.0 | 133.3 | 127.6 | 121.9 | 116.2 | 110.0 | 103.4 | 96.7 | 90.1 | 83.4 | 81.3 |
| 82.5° | 104.8 | 99.7 | 94.5 | 89.4 | 84.3 | 79.5 | 74.9 | 70.3 | 65.8 | 61.2 | 60.2 |
| 85° | 58.8 | 54.5 | 50.2 | 45.9 | 41.7 | 39.0 | 37.8 | 36.6 | 35.4 | 34.2 | 34.0 |
| 87.5° | 19.9 | 18.9 | 17.8 | 16.9 | 15.8 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 16.0 |
| 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° | 14.2 | 13.1 | 11.9 | 10.8 | 9.6 | 9.7 | 10.9 | 12.2 | 13.5 | 14.7 | 15.8 |
| 95° | 52.4 | 51.9 | 51.3 | 50.6 | 50.0 | 45.9 | 38.0 | 30.3 | 22.5 | 14.7 | 15.8 |
| 97.5° | 109.6 | 110.7 | 111.8 | 112.9 | 114.0 | 106.9 | 91.4 | 76.0 | 60.7 | 45.3 | 39.5 |
| 100° | 153.8 | 154.4 | 155.0 | 155.6 | 156.2 | 156.9 | 157.7 | 158.6 | 159.4 | 160.2 | 129.7 |
| 102.5° | 198.7 | 199.5 | 200.3 | 201.0 | 201.8 | 202.4 | 202.9 | 203.4 | 203.9 | 204.4 | 198.6 |
| 105° | 270.7 | 271.5 | 272.3 | 273.1 | 273.9 | 274.3 | 274.3 | 274.3 | 274.3 | 274.3 | 274.3 |
| 107.5° | 345.5 | 345.5 | 345.5 | 345.5 | 345.5 | 345.6 | 346.0 | 346.4 | 346.9 | 347.3 | 347.3 |
| 110° | 394.0 | 394.0 | 394.0 | 394.0 | 394.0 | 394.3 | 394.7 | 395.1 | 395.5 | 395.9 | 395.3 |



TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 439.7 | 440.2 | 440.7 | 441.2 | 441.6 | 442.0 | 442.3 | 442.5 | 442.8 | 443.0 | 442.3 |
| 115° | 508.2 | 509.2 | 510.2 | 511.3 | 512.3 | 512.9 | 513.1 | 513.3 | 513.5 | 513.7 | 512.9 |
| 117.5° | 579.1 | 579.1 | 579.0 | 579.0 | 578.9 | 579.3 | 580.1 | 580.8 | 581.6 | 582.4 | 581.4 |
| 120° | 623.3 | 623.1 | 622.9 | 622.7 | 622.5 | 622.7 | 623.3 | 623.9 | 624.5 | 625.1 | 624.7 |
| 122.5° | 662.3 | 663.1 | 663.8 | 664.6 | 665.4 | 666.0 | 666.2 | 666.5 | 666.9 | 667.1 | 666.7 |
| 125° | 722.7 | 724.1 | 725.6 | 727.0 | 728.4 | 729.1 | 729.1 | 729.1 | 729.1 | 729.1 | 728.3 |
| 127.5° | 780.4 | 781.4 | 782.4 | 783.4 | 784.4 | 784.9 | 784.7 | 784.7 | 784.5 | 784.4 | 783.9 |
| 130° | 815.7 | 816.7 | 817.8 | 818.8 | 819.8 | 820.4 | 820.6 | 820.9 | 821.0 | 821.3 | 820.6 |
| 132.5° | 851.0 | 852.2 | 853.4 | 854.6 | 855.8 | 856.2 | 855.7 | 855.2 | 854.8 | 854.4 | 854.3 |
| 135° | 901.3 | 902.5 | 903.8 | 905.0 | 906.3 | 906.7 | 906.3 | 905.9 | 905.4 | 905.0 | 904.6 |
| 137.5° | 947.5 | 948.6 | 949.7 | 950.7 | 951.8 | 952.1 | 951.8 | 951.4 | 951.0 | 950.7 | 950.8 |
| 140° | 977.7 | 978.2 | 978.6 | 979.0 | 979.4 | 979.5 | 979.3 | 979.1 | 978.9 | 978.7 | 979.1 |
| 142.5° | 1005.0 | 1005.2 | 1005.5 | 1005.8 | 1006.0 | 1006.2 | 1006.5 | 1006.8 | 1007.1 | 1007.4 | 1007.5 |
| 145° | 1045.0 | 1045.4 | 1045.8 | 1046.2 | 1046.6 | 1046.8 | 1046.8 | 1046.8 | 1046.8 | 1046.8 | 1047.0 |
| 147.5° | 1079.9 | 1079.8 | 1079.7 | 1079.7 | 1079.6 | 1079.7 | 1079.9 | 1080.1 | 1080.5 | 1080.7 | 1080.9 |
| 150° | 1102.0 | 1101.6 | 1101.2 | 1100.8 | 1100.4 | 1100.4 | 1100.8 | 1101.2 | 1101.6 | 1102.0 | 1102.4 |
| 152.5° | 1123.4 | 1122.5 | 1121.6 | 1120.7 | 1119.7 | 1119.5 | 1120.0 | 1120.4 | 1120.8 | 1121.2 | 1121.6 |
| 155° | 1150.8 | 1149.6 | 1148.3 | 1147.2 | 1145.9 | 1145.5 | 1145.9 | 1146.3 | 1146.8 | 1147.2 | 1147.8 |
| 157.5° | 1172.0 | 1171.2 | 1170.5 | 1169.8 | 1169.0 | 1168.7 | 1168.8 | 1168.8 | 1168.9 | 1168.9 | 1169.5 |
| 160° | 1186.8 | 1185.5 | 1184.3 | 1183.0 | 1181.9 | 1181.3 | 1181.5 | 1181.7 | 1181.9 | 1182.1 | 1183.0 |
| 162.5° | 1198.5 | 1197.3 | 1196.0 | 1194.8 | 1193.6 | 1193.1 | 1193.3 | 1193.5 | 1193.7 | 1193.9 | 1195.1 |
| 165° | 1214.3 | 1213.1 | 1211.9 | 1210.7 | 1209.4 | 1208.9 | 1209.1 | 1209.3 | 1209.5 | 1209.7 | 1211.0 |
| 167.5° | 1226.1 | 1224.9 | 1223.6 | 1222.3 | 1221.1 | 1220.5 | 1220.8 | 1220.9 | 1221.1 | 1221.4 | 1222.8 |
| 170° | 1232.8 | 1231.4 | 1229.9 | 1228.4 | 1227.0 | 1226.5 | 1226.6 | 1226.9 | 1227.0 | 1227.2 | 1228.9 |
| 172.5° | 1237.2 | 1235.7 | 1234.3 | 1232.9 | 1231.4 | 1230.9 | 1231.3 | 1231.7 | 1232.0 | 1232.4 | 1233.9 |
| 175° | 1242.0 | 1240.7 | 1239.5 | 1238.3 | 1237.1 | 1236.5 | 1236.8 | 1237.0 | 1237.2 | 1237.4 | 1239.0 |
| 177.5° | 1244.2 | 1243.2 | 1242.2 | 1241.3 | 1240.2 | 1239.8 | 1240.0 | 1240.2 | 1240.3 | 1240.5 | 1241.7 |
| 180° | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 |



TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |
| 2.5° | 1411.2 | 1413.1 | 1415.0 | 1415.8 | 1415.6 | 1415.5 | 1415.2 | 1415.1 |
| 5° | 1402.5 | 1404.9 | 1407.2 | 1408.2 | 1407.7 | 1407.2 | 1406.8 | 1406.3 |
| 7.5° | 1385.1 | 1386.7 | 1388.4 | 1388.9 | 1388.4 | 1387.9 | 1387.3 | 1386.8 |
| 10° | 1370.3 | 1371.0 | 1371.7 | 1371.7 | 1371.0 | 1370.3 | 1369.6 | 1368.9 |
| 12.5° | 1349.4 | 1349.9 | 1350.4 | 1350.1 | 1349.0 | 1348.0 | 1346.9 | 1345.8 |
| 15° | 1314.9 | 1314.7 | 1314.5 | 1313.3 | 1311.1 | 1309.0 | 1306.9 | 1304.7 |
| 17.5° | 1271.9 | 1270.7 | 1269.6 | 1268.1 | 1266.3 | 1264.6 | 1262.8 | 1261.1 |
| 20° | 1240.3 | 1239.1 | 1237.9 | 1236.3 | 1234.1 | 1232.0 | 1229.9 | 1227.7 |
| 22.5° | 1208.9 | 1206.6 | 1204.3 | 1202.2 | 1200.5 | 1198.7 | 1196.9 | 1195.2 |
| 25° | 1157.4 | 1154.3 | 1151.2 | 1148.3 | 1145.7 | 1143.1 | 1140.5 | 1137.9 |
| 27.5° | 1101.6 | 1097.3 | 1093.0 | 1089.6 | 1087.0 | 1084.5 | 1082.0 | 1079.5 |
| 30° | 1061.7 | 1056.2 | 1050.8 | 1046.9 | 1044.8 | 1042.7 | 1040.5 | 1038.4 |
| 32.5° | 1022.9 | 1016.8 | 1010.8 | 1006.5 | 1003.8 | 1001.1 | 998.3 | 995.6 |
| 35° | 962.6 | 955.7 | 948.8 | 943.7 | 940.4 | 937.1 | 933.7 | 930.4 |
| 37.5° | 899.5 | 891.3 | 883.0 | 877.3 | 874.0 | 870.8 | 867.5 | 864.3 |
| 40° | 857.8 | 848.7 | 839.7 | 833.8 | 830.9 | 828.1 | 825.2 | 822.4 |
| 42.5° | 816.7 | 807.9 | 799.3 | 792.9 | 788.7 | 784.6 | 780.4 | 776.2 |
| 45° | 751.0 | 741.5 | 732.0 | 725.4 | 721.8 | 718.3 | 714.7 | 711.1 |
| 47.5° | 686.0 | 676.2 | 666.5 | 659.6 | 655.6 | 651.6 | 647.8 | 643.8 |
| 50° | 642.0 | 632.0 | 622.0 | 615.3 | 611.7 | 608.2 | 604.6 | 601.0 |
| 52.5° | 600.3 | 589.5 | 578.8 | 571.6 | 568.1 | 564.5 | 560.9 | 557.4 |
| 55° | 536.9 | 526.2 | 515.5 | 508.2 | 504.4 | 500.6 | 496.8 | 493.0 |
| 57.5° | 473.4 | 463.0 | 452.5 | 445.5 | 442.2 | 438.8 | 435.4 | 432.1 |
| 60° | 431.4 | 421.0 | 410.5 | 403.5 | 400.0 | 396.4 | 392.8 | 389.3 |
| 62.5° | 390.2 | 380.5 | 370.8 | 364.2 | 360.6 | 357.0 | 353.5 | 349.9 |
| 65° | 329.6 | 320.1 | 310.6 | 304.0 | 300.5 | 296.9 | 293.3 | 289.8 |
| 67.5° | 271.8 | 263.1 | 254.4 | 248.6 | 245.7 | 242.9 | 240.0 | 237.2 |
| 70° | 233.4 | 226.0 | 218.6 | 213.5 | 210.6 | 207.8 | 204.9 | 202.1 |
| 72.5° | 197.7 | 190.9 | 184.1 | 179.7 | 177.8 | 175.9 | 174.0 | 172.1 |
| 75° | 147.8 | 142.6 | 137.4 | 133.9 | 132.2 | 130.6 | 128.9 | 127.2 |
| 77.5° | 105.2 | 101.6 | 97.8 | 95.4 | 94.2 | 92.9 | 91.7 | 90.5 |
| 80° | 79.1 | 77.0 | 74.9 | 73.5 | 73.0 | 72.6 | 72.1 | 71.6 |
| 82.5° | 59.2 | 58.1 | 57.2 | 56.6 | 56.2 | 55.9 | 55.7 | 55.4 |
| 85° | 33.7 | 33.5 | 33.3 | 33.0 | 32.8 | 32.6 | 32.3 | 32.1 |
| 87.5° | 16.2 | 16.4 | 16.6 | 16.6 | 16.6 | 16.6 | 16.5 | 16.4 |
| 90° | 16.8 | 17.8 | 18.9 | 19.6 | 20.3 | 20.8 | 21.5 | 22.1 |
| 92.5° | 16.8 | 17.8 | 18.9 | 19.5 | 19.7 | 20.0 | 20.4 | 20.6 |
| 95° | 16.8 | 17.8 | 18.9 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 97.5° | 33.7 | 28.0 | 22.2 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 100° | 99.3 | 68.8 | 38.3 | 22.6 | 21.8 | 21.0 | 20.1 | 19.3 |
| 102.5° | 192.8 | 187.1 | 181.3 | 171.5 | 157.6 | 143.6 | 129.8 | 115.8 |
| 105° | 274.3 | 274.3 | 274.3 | 274.3 | 274.0 | 273.9 | 273.6 | 273.5 |
| 107.5° | 347.4 | 347.4 | 347.5 | 347.1 | 346.5 | 345.9 | 345.3 | 344.7 |
| 110° | 394.7 | 394.0 | 393.4 | 393.2 | 393.4 | 393.6 | 393.9 | 394.0 |



TEST NUMBER: P333607-927

CATALOG NUMBER: S125RDIP-S1090D1205U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 441.5 | 440.7 | 439.9 | 439.3 | 439.1 | 438.8 | 438.6 | 438.2 |
| 115° | 512.1 | 511.3 | 510.5 | 509.5 | 508.2 | 507.0 | 505.7 | 504.5 |
| 117.5° | 580.3 | 579.2 | 578.1 | 577.3 | 576.8 | 576.3 | 575.8 | 575.2 |
| 120° | 624.3 | 623.9 | 623.5 | 622.8 | 621.8 | 620.8 | 619.7 | 618.7 |
| 122.5° | 666.3 | 665.9 | 665.5 | 664.6 | 663.5 | 662.3 | 661.2 | 660.0 |
| 125° | 727.5 | 726.7 | 725.9 | 725.2 | 724.5 | 724.0 | 723.3 | 722.7 |
| 127.5° | 783.5 | 783.1 | 782.6 | 781.6 | 780.1 | 778.6 | 777.1 | 775.5 |
| 130° | 820.0 | 819.4 | 818.8 | 817.9 | 816.9 | 815.9 | 814.9 | 813.9 |
| 132.5° | 854.1 | 854.0 | 853.9 | 853.3 | 852.3 | 851.3 | 850.2 | 849.2 |
| 135° | 904.2 | 903.8 | 903.4 | 902.5 | 901.3 | 900.1 | 898.9 | 897.6 |
| 137.5° | 950.9 | 950.9 | 951.0 | 950.5 | 949.4 | 948.4 | 947.3 | 946.3 |
| 140° | 979.5 | 979.9 | 980.3 | 979.9 | 978.7 | 977.5 | 976.2 | 975.0 |
| 142.5° | 1007.6 | 1007.7 | 1007.7 | 1007.2 | 1005.9 | 1004.7 | 1003.5 | 1002.3 |
| 145° | 1047.2 | 1047.4 | 1047.6 | 1047.1 | 1045.8 | 1044.7 | 1043.4 | 1042.2 |
| 147.5° | 1081.2 | 1081.4 | 1081.6 | 1081.0 | 1079.6 | 1078.1 | 1076.7 | 1075.1 |
| 150° | 1102.9 | 1103.3 | 1103.7 | 1103.0 | 1101.5 | 1099.8 | 1098.1 | 1096.5 |
| 152.5° | 1122.0 | 1122.4 | 1122.8 | 1122.3 | 1120.8 | 1119.4 | 1117.8 | 1116.4 |
| 155° | 1148.3 | 1149.0 | 1149.6 | 1149.1 | 1147.5 | 1145.8 | 1144.1 | 1142.6 |
| 157.5° | 1170.2 | 1170.8 | 1171.5 | 1171.0 | 1169.3 | 1167.8 | 1166.1 | 1164.4 |
| 160° | 1183.8 | 1184.6 | 1185.4 | 1185.0 | 1183.4 | 1181.7 | 1180.1 | 1178.5 |
| 162.5° | 1196.2 | 1197.4 | 1198.5 | 1198.2 | 1196.4 | 1194.5 | 1192.8 | 1191.0 |
| 165° | 1212.2 | 1213.5 | 1214.7 | 1214.4 | 1212.8 | 1211.2 | 1209.5 | 1207.9 |
| 167.5° | 1224.3 | 1225.7 | 1227.2 | 1227.1 | 1225.2 | 1223.4 | 1221.5 | 1219.7 |
| 170° | 1230.5 | 1232.2 | 1233.8 | 1233.7 | 1231.8 | 1230.0 | 1228.2 | 1226.3 |
| 172.5° | 1235.3 | 1236.8 | 1238.3 | 1238.1 | 1236.3 | 1234.5 | 1232.6 | 1230.7 |
| 175° | 1240.6 | 1242.3 | 1243.9 | 1243.8 | 1242.0 | 1240.2 | 1238.3 | 1236.4 |
| 177.5° | 1242.8 | 1244.0 | 1245.1 | 1245.0 | 1243.7 | 1242.4 | 1241.0 | 1239.8 |
| 180° | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 | 1242.0 |

(END OF REPORT)