

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: P332825

Luminaire Tested: **S124DIW-S1020D1340U835-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332825
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S1020D1340U835-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1020 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9578.1 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: General Diffuse

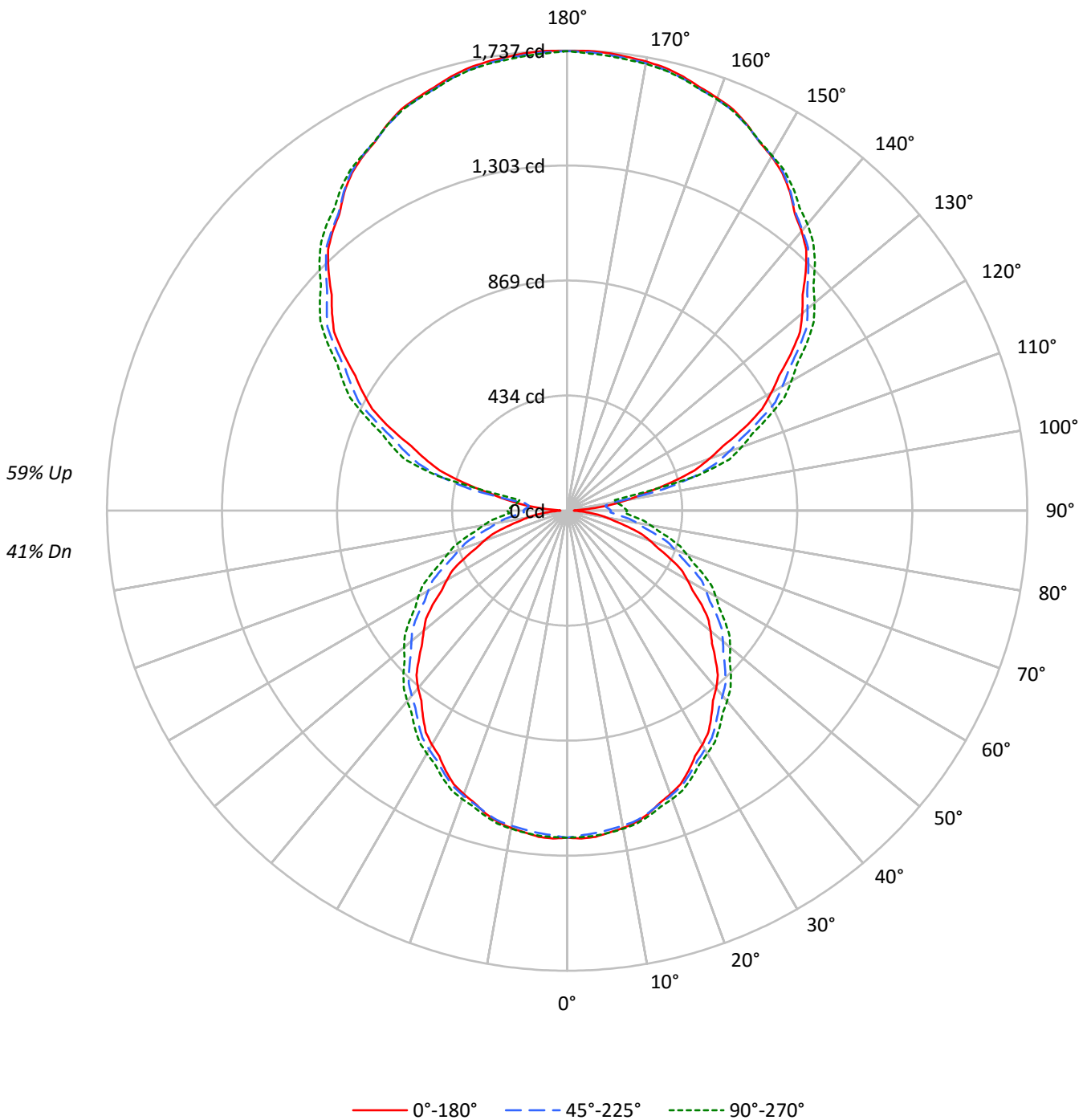
Input Watts (W): 69.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 78 | 78 | 78 | 62 | 62 | 62 | 48 | 48 | 48 | 41 | | | | |
| 1 | 95 | 90 | 86 | 82 | 86 | 82 | 79 | 75 | 67 | 65 | 62 | 53 | 52 | 50 | 41 | 40 | 38 | 33 | | | | |
| 2 | 86 | 78 | 72 | 67 | 78 | 71 | 66 | 61 | 58 | 54 | 51 | 46 | 44 | 41 | 35 | 33 | 32 | 27 | | | | |
| 3 | 78 | 68 | 61 | 55 | 71 | 62 | 56 | 51 | 51 | 46 | 42 | 41 | 37 | 34 | 31 | 29 | 27 | 22 | | | | |
| 4 | 71 | 60 | 52 | 46 | 65 | 55 | 48 | 43 | 45 | 40 | 36 | 36 | 32 | 29 | 28 | 25 | 23 | 19 | | | | |
| 5 | 65 | 54 | 45 | 39 | 59 | 49 | 42 | 36 | 40 | 35 | 31 | 32 | 28 | 25 | 25 | 22 | 20 | 16 | | | | |
| 6 | 60 | 48 | 40 | 34 | 54 | 44 | 37 | 31 | 36 | 31 | 27 | 29 | 25 | 22 | 22 | 19 | 17 | 14 | | | | |
| 7 | 55 | 43 | 35 | 29 | 50 | 40 | 32 | 27 | 33 | 27 | 23 | 26 | 22 | 19 | 20 | 17 | 15 | 12 | | | | |
| 8 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 13 | 11 | | | | |
| 9 | 48 | 36 | 28 | 23 | 43 | 33 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 15 | 17 | 14 | 12 | 10 | | | | |
| 10 | 45 | 32 | 25 | 20 | 41 | 30 | 23 | 19 | 25 | 20 | 16 | 20 | 16 | 14 | 16 | 13 | 11 | 9 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9968 | 9968 | 9968 |
| 5° | 9998 | 9741 | 9769 |
| 10° | 9937 | 9582 | 9575 |
| 15° | 9848 | 9397 | 9346 |
| 20° | 9714 | 9194 | 9123 |
| 25° | 9563 | 8966 | 8879 |
| 30° | 9399 | 8739 | 8627 |
| 35° | 9213 | 8507 | 8407 |
| 40° | 9065 | 8285 | 8178 |
| 45° | 8844 | 8081 | 7981 |
| 50° | 8658 | 7846 | 7773 |
| 55° | 8466 | 7625 | 7529 |
| 60° | 8166 | 7342 | 7306 |
| 65° | 7837 | 7040 | 7032 |
| 70° | 7439 | 6694 | 6714 |
| 75° | 6882 | 6312 | 6425 |
| 80° | 6266 | 5946 | 6141 |
| 85° | 5484 | 5623 | 5977 |



TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 116.9 | 1.2 |
| 10°-20° | 335.0 | 3.5 |
| 20°-30° | 506.5 | 5.3 |
| 30°-40° | 612.9 | 6.4 |
| 40°-50° | 647.9 | 6.8 |
| 50°-60° | 609.8 | 6.4 |
| 60°-70° | 505.9 | 5.3 |
| 70°-80° | 355.4 | 3.7 |
| 80°-90° | 205.9 | 2.1 |
| 90°-100° | 178.6 | 1.9 |
| 100°-110° | 466.5 | 4.9 |
| 110°-120° | 782.7 | 8.2 |
| 120°-130° | 951.8 | 9.9 |
| 130°-140° | 997.0 | 10.4 |
| 140°-150° | 921.8 | 9.6 |
| 150°-160° | 741.0 | 7.7 |
| 160°-170° | 477.9 | 5.0 |
| 170°-180° | 164.7 | 1.7 |
| 0°-30° | 958.4 | 10.0 |
| 0°-40° | 1571.3 | 16.4 |
| 0°-60° | 2829.0 | 29.5 |
| 0°-90° | 3896.2 | 40.7 |
| 90°-120° | 1427.8 | 14.9 |
| 90°-150° | 4298.4 | 44.9 |
| 90°-180° | 5682.0 | 59.3 |
| 0°-180° | 9578.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1235 | 1235 | 1235 | 1235 | 1235 | |
| 5° | 1236 | 1232 | 1222 | 1233 | 1232 | 117 |
| 15° | 1185 | 1186 | 1182 | 1194 | 1193 | 334 |
| 25° | 1084 | 1092 | 1096 | 1111 | 1113 | 499 |
| 35° | 948 | 965 | 979 | 997 | 1002 | 594 |
| 45° | 791 | 817 | 843 | 866 | 874 | 611 |
| 55° | 619 | 649 | 690 | 716 | 726 | 552 |
| 65° | 429 | 473 | 520 | 553 | 566 | 425 |
| 75° | 238 | 289 | 347 | 384 | 398 | 253 |
| 85° | 73 | 132 | 194 | 234 | 249 | 78 |
| 90° | 26 | 96 | 165 | 211 | 227 | 18 |
| 95° | 89 | 94 | 149 | 192 | 208 | 106 |
| 105° | 403 | 440 | 496 | 538 | 506 | 423 |
| 115° | 737 | 755 | 796 | 828 | 839 | 726 |
| 125° | 1030 | 1036 | 1066 | 1095 | 1106 | 920 |
| 135° | 1274 | 1273 | 1288 | 1311 | 1323 | 982 |
| 145° | 1467 | 1469 | 1470 | 1479 | 1487 | 917 |
| 155° | 1607 | 1608 | 1604 | 1609 | 1606 | 741 |
| 165° | 1695 | 1689 | 1689 | 1698 | 1688 | 479 |
| 175° | 1734 | 1727 | 1728 | 1738 | 1724 | 165 |
| 180° | 1734 | 1734 | 1734 | 1734 | 1734 | |



TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 |
| 2.5° | 1239.1 | 1238.4 | 1237.6 | 1236.9 | 1236.1 | 1234.8 | 1232.8 | 1230.9 | 1228.9 | 1226.9 | 1228.6 |
| 5° | 1236.0 | 1235.1 | 1234.2 | 1233.3 | 1232.4 | 1230.8 | 1228.7 | 1226.5 | 1224.4 | 1222.2 | 1224.7 |
| 7.5° | 1225.5 | 1225.0 | 1224.4 | 1223.9 | 1223.3 | 1222.2 | 1220.4 | 1218.6 | 1216.8 | 1215.0 | 1217.8 |
| 10° | 1216.7 | 1216.4 | 1216.1 | 1215.8 | 1215.5 | 1214.5 | 1213.0 | 1211.5 | 1209.9 | 1208.4 | 1211.2 |
| 12.5° | 1204.5 | 1204.5 | 1204.4 | 1204.3 | 1204.3 | 1203.7 | 1202.7 | 1201.6 | 1200.6 | 1199.5 | 1202.1 |
| 15° | 1184.9 | 1185.2 | 1185.5 | 1185.8 | 1186.1 | 1185.8 | 1184.9 | 1184.0 | 1183.0 | 1182.1 | 1184.9 |
| 17.5° | 1158.1 | 1159.0 | 1159.9 | 1160.8 | 1161.8 | 1162.1 | 1161.9 | 1161.8 | 1161.6 | 1161.4 | 1164.2 |
| 20° | 1139.3 | 1140.2 | 1141.1 | 1142.0 | 1143.0 | 1143.6 | 1143.9 | 1144.2 | 1144.5 | 1144.8 | 1147.9 |
| 22.5° | 1118.2 | 1119.4 | 1120.6 | 1121.8 | 1122.9 | 1123.8 | 1124.3 | 1124.9 | 1125.4 | 1126.0 | 1129.1 |
| 25° | 1084.0 | 1085.8 | 1087.6 | 1089.5 | 1091.3 | 1092.7 | 1093.6 | 1094.6 | 1095.5 | 1096.4 | 1099.8 |
| 27.5° | 1045.8 | 1048.5 | 1051.2 | 1053.9 | 1056.6 | 1058.7 | 1060.1 | 1061.5 | 1062.9 | 1064.3 | 1067.5 |
| 30° | 1020.4 | 1022.8 | 1025.3 | 1027.7 | 1030.2 | 1032.5 | 1034.6 | 1036.8 | 1038.9 | 1041.1 | 1044.5 |
| 32.5° | 992.7 | 995.7 | 998.6 | 1001.6 | 1004.5 | 1007.2 | 1009.6 | 1012.0 | 1014.4 | 1016.8 | 1020.6 |
| 35° | 948.5 | 952.2 | 955.8 | 959.5 | 963.2 | 966.6 | 969.7 | 972.7 | 975.8 | 978.9 | 983.2 |
| 37.5° | 903.9 | 908.2 | 912.4 | 916.7 | 920.9 | 924.9 | 928.7 | 932.5 | 936.4 | 940.2 | 944.5 |
| 40° | 875.2 | 879.2 | 883.2 | 887.2 | 891.2 | 895.3 | 899.6 | 903.9 | 908.2 | 912.5 | 917.1 |
| 42.5° | 842.0 | 846.5 | 851.0 | 855.5 | 859.9 | 864.7 | 869.7 | 874.8 | 879.8 | 884.9 | 890.0 |
| 45° | 790.8 | 796.7 | 802.5 | 808.4 | 814.2 | 820.0 | 825.9 | 831.7 | 837.5 | 843.4 | 848.6 |
| 47.5° | 741.9 | 747.9 | 753.9 | 760.0 | 766.0 | 772.4 | 779.1 | 785.9 | 792.7 | 799.4 | 804.8 |
| 50° | 706.5 | 713.3 | 720.0 | 726.8 | 733.5 | 740.3 | 747.1 | 753.8 | 760.6 | 767.3 | 773.5 |
| 52.5° | 671.1 | 677.9 | 684.6 | 691.4 | 698.2 | 705.4 | 713.1 | 720.9 | 728.6 | 736.4 | 742.5 |
| 55° | 619.4 | 625.9 | 632.3 | 638.8 | 645.2 | 653.0 | 662.3 | 671.5 | 680.7 | 689.9 | 696.1 |
| 57.5° | 561.6 | 569.6 | 577.6 | 585.6 | 593.6 | 602.1 | 611.3 | 620.5 | 629.6 | 638.8 | 646.1 |
| 60° | 524.0 | 532.0 | 540.0 | 548.0 | 556.0 | 565.0 | 575.2 | 585.3 | 595.4 | 605.6 | 612.6 |
| 62.5° | 487.5 | 496.2 | 505.0 | 513.7 | 522.4 | 531.8 | 542.0 | 552.1 | 562.3 | 572.4 | 579.5 |
| 65° | 428.6 | 438.4 | 448.3 | 458.1 | 467.9 | 478.1 | 488.5 | 499.0 | 509.4 | 519.9 | 527.5 |
| 67.5° | 371.9 | 382.4 | 392.8 | 403.3 | 413.7 | 424.5 | 435.7 | 446.9 | 458.1 | 469.3 | 477.1 |
| 70° | 333.2 | 343.7 | 354.1 | 364.5 | 375.0 | 386.1 | 397.7 | 409.4 | 421.1 | 432.8 | 441.1 |
| 72.5° | 295.6 | 306.3 | 317.0 | 327.7 | 338.4 | 349.9 | 362.3 | 374.7 | 387.2 | 399.6 | 407.6 |
| 75° | 237.8 | 249.2 | 260.5 | 271.9 | 283.3 | 295.4 | 308.3 | 321.2 | 334.1 | 347.0 | 355.6 |
| 77.5° | 183.9 | 195.9 | 208.0 | 220.0 | 232.1 | 244.8 | 258.4 | 271.9 | 285.4 | 298.9 | 307.6 |
| 80° | 150.7 | 163.0 | 175.3 | 187.6 | 199.9 | 212.8 | 226.3 | 239.8 | 253.3 | 266.8 | 276.1 |
| 82.5° | 117.5 | 130.3 | 143.1 | 155.9 | 168.6 | 181.8 | 195.3 | 208.8 | 222.4 | 235.9 | 245.3 |
| 85° | 73.3 | 86.2 | 99.1 | 112.0 | 124.9 | 138.3 | 152.1 | 165.9 | 179.7 | 193.6 | 202.8 |
| 87.5° | 41.7 | 54.9 | 68.0 | 81.2 | 94.4 | 107.9 | 121.8 | 135.8 | 149.7 | 163.6 | 172.9 |
| 90° | 26.0 | 41.5 | 56.9 | 72.4 | 87.9 | 103.3 | 118.9 | 134.4 | 149.9 | 165.4 | 176.1 |
| 92.5° | 37.4 | 48.6 | 59.8 | 71.1 | 82.3 | 95.7 | 111.2 | 126.7 | 142.2 | 157.7 | 168.1 |
| 95° | 89.3 | 89.7 | 90.0 | 90.3 | 90.7 | 97.3 | 110.2 | 123.1 | 135.9 | 148.8 | 158.8 |
| 97.5° | 167.8 | 182.6 | 197.5 | 212.3 | 227.2 | 224.7 | 205.0 | 185.3 | 165.6 | 146.0 | 154.2 |
| 100° | 227.9 | 241.1 | 254.3 | 267.5 | 280.6 | 273.3 | 245.5 | 217.7 | 189.9 | 162.1 | 165.5 |
| 102.5° | 296.4 | 307.2 | 318.0 | 328.8 | 339.7 | 348.3 | 354.9 | 361.4 | 368.0 | 374.5 | 329.7 |
| 105° | 402.9 | 410.7 | 418.6 | 426.5 | 434.4 | 444.7 | 457.5 | 470.3 | 483.1 | 495.9 | 506.2 |
| 107.5° | 504.0 | 509.9 | 515.8 | 521.7 | 527.6 | 536.9 | 549.6 | 562.4 | 575.1 | 587.8 | 596.6 |
| 110° | 571.4 | 576.6 | 581.7 | 586.9 | 592.1 | 600.9 | 613.4 | 625.8 | 638.3 | 650.8 | 658.5 |



TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 636.7 | 642.1 | 647.4 | 652.8 | 658.2 | 666.4 | 677.4 | 688.5 | 699.6 | 710.7 | 717.4 |
| 115° | 737.2 | 740.9 | 744.5 | 748.1 | 751.8 | 758.3 | 767.9 | 777.4 | 787.0 | 796.5 | 803.9 |
| 117.5° | 829.1 | 831.9 | 834.7 | 837.5 | 840.3 | 846.6 | 856.4 | 866.2 | 876.0 | 885.8 | 892.0 |
| 120° | 890.2 | 892.3 | 894.4 | 896.4 | 898.5 | 903.9 | 912.5 | 921.1 | 929.7 | 938.3 | 945.1 |
| 122.5° | 948.3 | 949.2 | 950.1 | 950.9 | 951.8 | 956.7 | 965.5 | 974.3 | 983.1 | 992.0 | 998.4 |
| 125° | 1030.2 | 1031.1 | 1031.9 | 1032.7 | 1033.6 | 1037.6 | 1044.7 | 1051.8 | 1058.9 | 1066.0 | 1072.7 |
| 127.5° | 1108.8 | 1108.8 | 1108.8 | 1108.7 | 1108.7 | 1112.3 | 1119.5 | 1126.8 | 1134.0 | 1141.2 | 1146.6 |
| 130° | 1158.5 | 1158.5 | 1158.5 | 1158.5 | 1158.5 | 1161.3 | 1167.1 | 1172.9 | 1178.7 | 1184.5 | 1190.3 |
| 132.5° | 1205.2 | 1205.4 | 1205.6 | 1205.9 | 1206.1 | 1208.7 | 1213.7 | 1218.7 | 1223.8 | 1228.8 | 1234.4 |
| 135° | 1273.9 | 1273.6 | 1273.3 | 1273.0 | 1272.7 | 1274.2 | 1277.5 | 1280.8 | 1284.1 | 1287.5 | 1292.9 |
| 137.5° | 1335.9 | 1335.7 | 1335.5 | 1335.3 | 1335.1 | 1336.2 | 1338.5 | 1340.8 | 1343.1 | 1345.4 | 1350.5 |
| 140° | 1376.3 | 1376.6 | 1376.9 | 1377.2 | 1377.4 | 1378.0 | 1378.9 | 1379.8 | 1380.7 | 1381.5 | 1386.4 |
| 142.5° | 1411.6 | 1412.5 | 1413.5 | 1414.5 | 1415.5 | 1416.0 | 1416.2 | 1416.4 | 1416.5 | 1416.7 | 1420.8 |
| 145° | 1467.1 | 1467.6 | 1468.2 | 1468.7 | 1469.3 | 1469.6 | 1469.6 | 1469.6 | 1469.6 | 1469.6 | 1471.7 |
| 147.5° | 1511.4 | 1512.7 | 1514.0 | 1515.3 | 1516.6 | 1517.2 | 1516.9 | 1516.6 | 1516.3 | 1516.0 | 1516.5 |
| 150° | 1543.6 | 1544.4 | 1545.3 | 1546.1 | 1547.0 | 1547.2 | 1547.0 | 1546.7 | 1546.4 | 1546.1 | 1546.1 |
| 152.5° | 1569.5 | 1570.3 | 1571.2 | 1572.0 | 1572.9 | 1573.1 | 1572.6 | 1572.0 | 1571.5 | 1571.0 | 1571.5 |
| 155° | 1607.1 | 1607.3 | 1607.6 | 1607.9 | 1608.2 | 1607.9 | 1607.1 | 1606.2 | 1605.3 | 1604.5 | 1605.6 |
| 157.5° | 1639.0 | 1638.8 | 1638.6 | 1638.4 | 1638.3 | 1637.7 | 1636.7 | 1635.7 | 1634.8 | 1633.8 | 1635.3 |
| 160° | 1657.6 | 1656.8 | 1655.9 | 1655.0 | 1654.2 | 1653.6 | 1653.3 | 1653.0 | 1652.7 | 1652.5 | 1654.2 |
| 162.5° | 1674.2 | 1673.1 | 1672.1 | 1671.0 | 1669.9 | 1669.2 | 1668.9 | 1668.6 | 1668.3 | 1668.0 | 1669.7 |
| 165° | 1695.3 | 1693.8 | 1692.4 | 1690.9 | 1689.5 | 1688.8 | 1688.8 | 1688.8 | 1688.8 | 1688.8 | 1691.1 |
| 167.5° | 1711.9 | 1710.4 | 1708.9 | 1707.4 | 1705.9 | 1705.0 | 1704.9 | 1704.7 | 1704.5 | 1704.3 | 1706.9 |
| 170° | 1721.2 | 1719.5 | 1717.7 | 1716.0 | 1714.3 | 1713.6 | 1713.8 | 1714.1 | 1714.4 | 1714.7 | 1717.0 |
| 172.5° | 1727.4 | 1725.7 | 1724.0 | 1722.2 | 1720.5 | 1719.8 | 1720.1 | 1720.4 | 1720.6 | 1720.9 | 1723.2 |
| 175° | 1734.2 | 1732.4 | 1730.7 | 1729.0 | 1727.2 | 1726.5 | 1726.8 | 1727.1 | 1727.4 | 1727.7 | 1730.3 |
| 177.5° | 1737.3 | 1735.7 | 1734.0 | 1732.4 | 1730.8 | 1730.2 | 1730.7 | 1731.2 | 1731.6 | 1732.1 | 1733.9 |
| 180° | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 |



TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 |
| 2.5° | 1230.4 | 1232.1 | 1233.8 | 1234.5 | 1234.3 | 1234.0 | 1233.8 | 1233.6 |
| 5° | 1227.1 | 1229.6 | 1232.1 | 1233.1 | 1232.8 | 1232.5 | 1232.2 | 1231.9 |
| 7.5° | 1220.6 | 1223.3 | 1226.1 | 1227.3 | 1227.0 | 1226.7 | 1226.4 | 1226.1 |
| 10° | 1213.9 | 1216.7 | 1219.5 | 1220.7 | 1220.4 | 1220.1 | 1219.8 | 1219.5 |
| 12.5° | 1204.6 | 1207.1 | 1209.6 | 1210.9 | 1210.8 | 1210.7 | 1210.7 | 1210.6 |
| 15° | 1187.7 | 1190.4 | 1193.2 | 1194.4 | 1194.1 | 1193.8 | 1193.5 | 1193.2 |
| 17.5° | 1167.0 | 1169.9 | 1172.7 | 1174.0 | 1173.7 | 1173.5 | 1173.2 | 1173.0 |
| 20° | 1150.9 | 1154.0 | 1157.1 | 1158.6 | 1158.6 | 1158.6 | 1158.6 | 1158.6 |
| 22.5° | 1132.1 | 1135.2 | 1138.3 | 1140.1 | 1140.6 | 1141.0 | 1141.5 | 1142.0 |
| 25° | 1103.2 | 1106.5 | 1109.9 | 1111.8 | 1112.1 | 1112.4 | 1112.7 | 1113.0 |
| 27.5° | 1070.6 | 1073.7 | 1076.9 | 1078.6 | 1079.0 | 1079.4 | 1079.7 | 1080.1 |
| 30° | 1047.9 | 1051.2 | 1054.6 | 1056.6 | 1057.2 | 1057.8 | 1058.5 | 1059.1 |
| 32.5° | 1024.5 | 1028.4 | 1032.3 | 1034.5 | 1035.1 | 1035.7 | 1036.3 | 1037.0 |
| 35° | 987.5 | 991.8 | 996.1 | 998.7 | 999.6 | 1000.5 | 1001.5 | 1002.4 |
| 37.5° | 948.9 | 953.3 | 957.6 | 960.3 | 961.3 | 962.3 | 963.2 | 964.2 |
| 40° | 921.7 | 926.3 | 931.0 | 933.9 | 935.1 | 936.3 | 937.6 | 938.8 |
| 42.5° | 895.1 | 900.2 | 905.3 | 908.3 | 909.3 | 910.3 | 911.3 | 912.2 |
| 45° | 853.8 | 859.1 | 864.3 | 867.7 | 869.2 | 870.7 | 872.3 | 873.8 |
| 47.5° | 810.2 | 815.6 | 821.1 | 824.7 | 826.5 | 828.4 | 830.2 | 832.1 |
| 50° | 779.6 | 785.8 | 791.9 | 795.9 | 797.8 | 799.6 | 801.4 | 803.3 |
| 52.5° | 748.7 | 754.8 | 761.0 | 764.9 | 766.8 | 768.6 | 770.5 | 772.3 |
| 55° | 702.2 | 708.4 | 714.5 | 718.5 | 720.3 | 722.2 | 724.0 | 725.9 |
| 57.5° | 653.4 | 660.7 | 668.0 | 672.5 | 674.2 | 676.0 | 677.7 | 679.4 |
| 60° | 619.7 | 626.8 | 633.8 | 638.6 | 641.1 | 643.5 | 646.0 | 648.4 |
| 62.5° | 586.5 | 593.6 | 600.7 | 605.4 | 607.9 | 610.3 | 612.8 | 615.3 |
| 65° | 535.2 | 542.9 | 550.6 | 555.7 | 558.1 | 560.6 | 563.0 | 565.5 |
| 67.5° | 484.9 | 492.7 | 500.5 | 505.6 | 508.0 | 510.4 | 512.8 | 515.2 |
| 70° | 449.3 | 457.6 | 465.9 | 471.2 | 473.3 | 475.5 | 477.6 | 479.8 |
| 72.5° | 415.7 | 423.7 | 431.8 | 437.0 | 439.4 | 441.8 | 444.2 | 446.6 |
| 75° | 364.2 | 372.8 | 381.4 | 387.1 | 389.9 | 392.7 | 395.4 | 398.2 |
| 77.5° | 316.4 | 325.1 | 333.8 | 339.7 | 342.6 | 345.6 | 348.5 | 351.5 |
| 80° | 285.3 | 294.5 | 303.7 | 309.5 | 312.0 | 314.5 | 316.9 | 319.4 |
| 82.5° | 254.8 | 264.3 | 273.7 | 279.8 | 282.5 | 285.2 | 287.9 | 290.6 |
| 85° | 212.0 | 221.2 | 230.4 | 236.6 | 239.7 | 242.7 | 245.8 | 248.9 |
| 87.5° | 182.1 | 191.4 | 200.6 | 206.7 | 209.5 | 212.3 | 215.1 | 217.9 |
| 90° | 186.7 | 197.3 | 208.0 | 214.8 | 217.8 | 220.9 | 223.9 | 226.9 |
| 92.5° | 178.5 | 188.9 | 199.3 | 205.8 | 208.4 | 210.9 | 213.5 | 216.1 |
| 95° | 168.9 | 178.9 | 188.9 | 195.5 | 198.5 | 201.6 | 204.6 | 207.7 |
| 97.5° | 162.4 | 170.6 | 178.8 | 184.4 | 187.4 | 190.3 | 193.2 | 196.1 |
| 100° | 168.9 | 172.3 | 175.7 | 178.6 | 181.1 | 183.5 | 186.0 | 188.4 |
| 102.5° | 284.9 | 240.1 | 195.3 | 174.1 | 176.5 | 179.0 | 181.5 | 183.9 |
| 105° | 516.5 | 526.8 | 537.0 | 538.2 | 530.3 | 522.4 | 514.5 | 506.5 |
| 107.5° | 605.4 | 614.3 | 623.1 | 629.2 | 632.5 | 635.8 | 639.1 | 642.4 |
| 110° | 666.1 | 673.7 | 681.4 | 686.9 | 690.2 | 693.5 | 696.8 | 700.2 |



TEST NUMBER: P332825

CATALOG NUMBER: S124DIW-S1020D1340U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 724.1 | 730.8 | 737.5 | 742.6 | 746.2 | 749.7 | 753.3 | 756.8 |
| 115° | 811.2 | 818.5 | 825.9 | 830.6 | 832.8 | 834.9 | 837.1 | 839.2 |
| 117.5° | 898.3 | 904.6 | 910.9 | 915.2 | 917.5 | 919.9 | 922.2 | 924.5 |
| 120° | 951.8 | 958.5 | 965.2 | 969.5 | 971.4 | 973.3 | 975.2 | 977.1 |
| 122.5° | 1004.9 | 1011.4 | 1017.9 | 1022.0 | 1023.6 | 1025.3 | 1026.9 | 1028.5 |
| 125° | 1079.4 | 1086.1 | 1092.8 | 1097.2 | 1099.3 | 1101.5 | 1103.6 | 1105.7 |
| 127.5° | 1151.9 | 1157.3 | 1162.6 | 1166.3 | 1168.1 | 1170.0 | 1171.8 | 1173.7 |
| 130° | 1196.1 | 1201.9 | 1207.7 | 1211.6 | 1213.4 | 1215.2 | 1217.1 | 1218.9 |
| 132.5° | 1239.9 | 1245.5 | 1251.1 | 1254.7 | 1256.3 | 1257.9 | 1259.5 | 1261.1 |
| 135° | 1298.4 | 1303.9 | 1309.4 | 1313.4 | 1315.8 | 1318.2 | 1320.6 | 1323.1 |
| 137.5° | 1355.7 | 1360.8 | 1365.9 | 1369.1 | 1370.5 | 1371.9 | 1373.2 | 1374.6 |
| 140° | 1391.3 | 1396.1 | 1401.0 | 1404.3 | 1406.1 | 1408.0 | 1409.8 | 1411.6 |
| 142.5° | 1425.0 | 1429.1 | 1433.2 | 1436.0 | 1437.3 | 1438.7 | 1440.0 | 1441.4 |
| 145° | 1473.8 | 1476.0 | 1478.1 | 1480.1 | 1481.9 | 1483.7 | 1485.5 | 1487.3 |
| 147.5° | 1517.0 | 1517.4 | 1517.9 | 1518.8 | 1520.1 | 1521.3 | 1522.6 | 1523.9 |
| 150° | 1546.1 | 1546.1 | 1546.1 | 1546.2 | 1546.5 | 1546.8 | 1547.1 | 1547.4 |
| 152.5° | 1571.9 | 1572.4 | 1572.8 | 1573.0 | 1572.8 | 1572.6 | 1572.5 | 1572.3 |
| 155° | 1606.8 | 1607.9 | 1609.1 | 1609.2 | 1608.4 | 1607.5 | 1606.6 | 1605.8 |
| 157.5° | 1636.8 | 1638.3 | 1639.8 | 1639.8 | 1638.3 | 1636.8 | 1635.3 | 1633.8 |
| 160° | 1655.9 | 1657.6 | 1659.4 | 1659.4 | 1657.6 | 1655.9 | 1654.2 | 1652.5 |
| 162.5° | 1671.5 | 1673.2 | 1674.9 | 1674.8 | 1672.9 | 1670.9 | 1668.9 | 1667.0 |
| 165° | 1693.4 | 1695.7 | 1698.0 | 1697.8 | 1695.3 | 1692.7 | 1690.1 | 1687.5 |
| 167.5° | 1709.4 | 1711.9 | 1714.5 | 1714.3 | 1711.4 | 1708.5 | 1705.7 | 1702.8 |
| 170° | 1719.3 | 1721.6 | 1723.9 | 1723.6 | 1720.8 | 1717.9 | 1715.0 | 1712.1 |
| 172.5° | 1725.5 | 1727.9 | 1730.2 | 1729.8 | 1726.6 | 1723.5 | 1720.4 | 1717.3 |
| 175° | 1732.9 | 1735.5 | 1738.1 | 1737.6 | 1734.2 | 1730.7 | 1727.2 | 1723.8 |
| 177.5° | 1735.8 | 1737.6 | 1739.5 | 1739.0 | 1736.2 | 1733.5 | 1730.7 | 1727.9 |
| 180° | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 | 1734.2 |

(END OF REPORT)