

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: P332798

Luminaire Tested: **S124DIW-S795D1340U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332798
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S795D1340U835-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8063.8 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

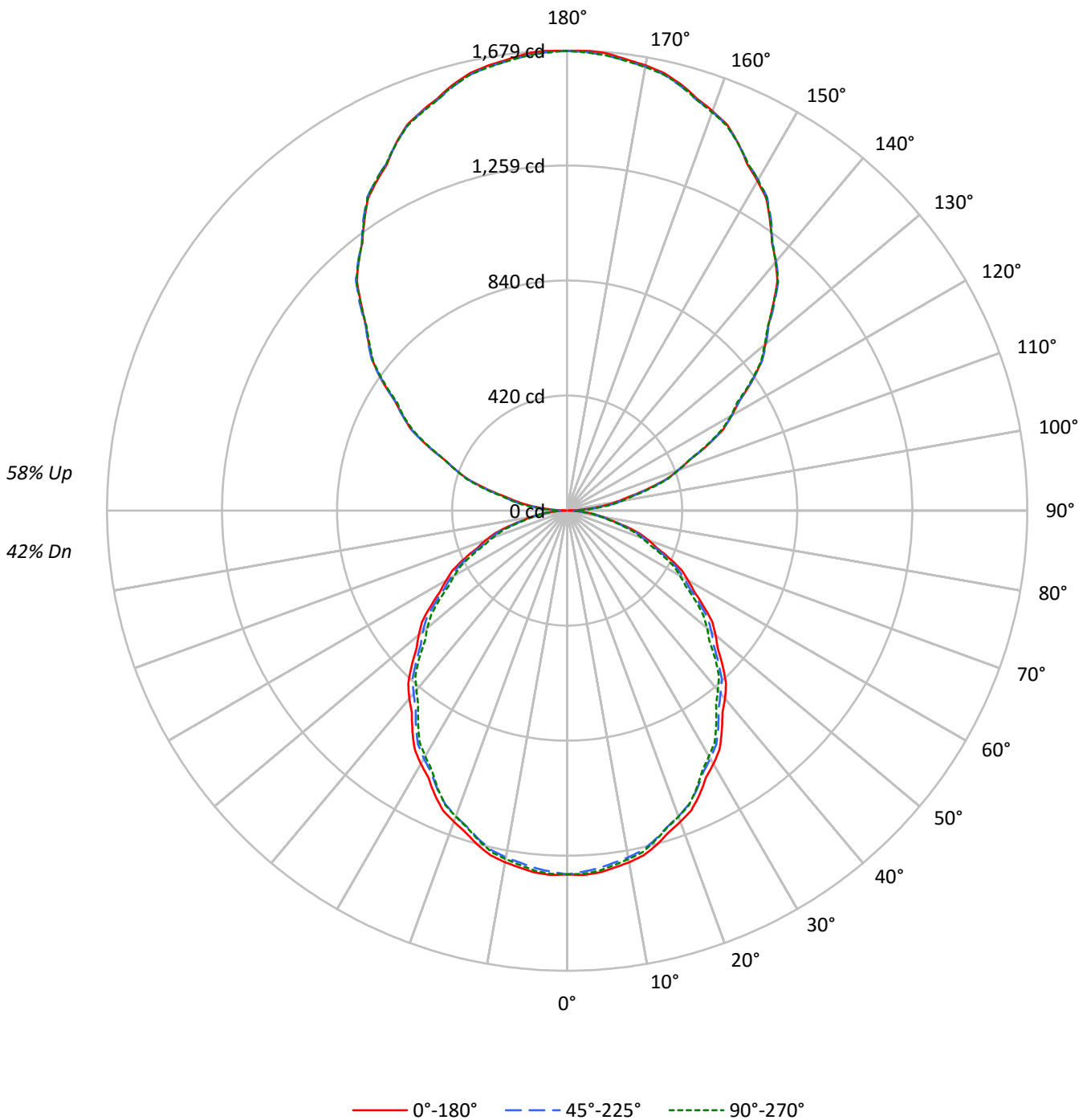
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 105 | 105 | 105 | 105 | 96 | 96 | 96 | 96 | 79 | 79 | 79 | 63 | 63 | 63 | 49 | 49 | 49 | 42 | | | | | | | | | | | | | | | | | | | | |
| 1 | 96 | 92 | 88 | 84 | 88 | 84 | 81 | 78 | 69 | 67 | 65 | 56 | 54 | 53 | 43 | 42 | 41 | 36 | | | | | | | | | | | | | | | | | | | | |
| 2 | 87 | 80 | 74 | 69 | 80 | 73 | 68 | 64 | 61 | 57 | 54 | 49 | 46 | 44 | 38 | 36 | 35 | 30 | | | | | | | | | | | | | | | | | | | | |
| 3 | 80 | 70 | 63 | 57 | 72 | 64 | 58 | 53 | 53 | 49 | 45 | 43 | 40 | 37 | 34 | 31 | 30 | 25 | | | | | | | | | | | | | | | | | | | | |
| 4 | 73 | 62 | 54 | 48 | 66 | 57 | 50 | 45 | 47 | 42 | 38 | 38 | 35 | 32 | 30 | 28 | 25 | 22 | | | | | | | | | | | | | | | | | | | | |
| 5 | 67 | 55 | 47 | 41 | 61 | 51 | 44 | 39 | 42 | 37 | 33 | 35 | 31 | 28 | 27 | 24 | 22 | 19 | | | | | | | | | | | | | | | | | | | | |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 33 | 38 | 33 | 29 | 31 | 27 | 24 | 25 | 22 | 20 | 16 | | | | | | | | | | | | | | | | | | | | |
| 7 | 57 | 45 | 37 | 31 | 52 | 41 | 34 | 29 | 35 | 29 | 25 | 28 | 24 | 21 | 22 | 20 | 17 | 15 | | | | | | | | | | | | | | | | | | | | |
| 8 | 53 | 41 | 33 | 28 | 48 | 37 | 31 | 26 | 31 | 26 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | 13 | | | | | | | | | | | | | | | | | | | | |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 19 | 16 | 14 | 12 | | | | | | | | | | | | | | | | | | | | |
| 10 | 46 | 34 | 27 | 22 | 42 | 31 | 25 | 21 | 27 | 21 | 18 | 22 | 18 | 15 | 18 | 15 | 13 | 11 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10717 | 10717 | 10717 |
| 5° | 10749 | 10619 | 10697 |
| 10° | 10681 | 10533 | 10585 |
| 15° | 10552 | 10384 | 10410 |
| 20° | 10381 | 10198 | 10207 |
| 25° | 10185 | 9986 | 9958 |
| 30° | 9945 | 9737 | 9648 |
| 35° | 9697 | 9477 | 9351 |
| 40° | 9438 | 9180 | 9013 |
| 45° | 9169 | 8889 | 8719 |
| 50° | 8871 | 8629 | 8363 |
| 55° | 8549 | 8294 | 8024 |
| 60° | 8226 | 7918 | 7677 |
| 65° | 7862 | 7559 | 7253 |
| 70° | 7456 | 7081 | 6805 |
| 75° | 6834 | 6503 | 6338 |
| 80° | 6081 | 5835 | 5686 |
| 85° | 5317 | 5122 | 5020 |



TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 125.0 | 1.6 |
| 10°-20° | 352.2 | 4.4 |
| 20°-30° | 518.4 | 6.4 |
| 30°-40° | 602.7 | 7.5 |
| 40°-50° | 602.7 | 7.5 |
| 50°-60° | 527.2 | 6.5 |
| 60°-70° | 391.5 | 4.9 |
| 70°-80° | 222.4 | 2.8 |
| 80°-90° | 69.2 | 0.9 |
| 90°-100° | 110.6 | 1.4 |
| 100°-110° | 327.6 | 4.1 |
| 110°-120° | 556.1 | 6.9 |
| 120°-130° | 733.3 | 9.1 |
| 130°-140° | 823.5 | 10.2 |
| 140°-150° | 809.2 | 10.0 |
| 150°-160° | 680.6 | 8.4 |
| 160°-170° | 452.8 | 5.6 |
| 170°-180° | 158.6 | 2.0 |
| 0°-30° | 995.7 | 12.3 |
| 0°-40° | 1598.4 | 19.8 |
| 0°-60° | 2728.3 | 33.8 |
| 0°-90° | 3411.5 | 42.3 |
| 90°-120° | 994.3 | 12.3 |
| 90°-150° | 3360.3 | 41.7 |
| 90°-180° | 4652.0 | 57.7 |
| 0°-180° | 8063.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1328 | 1328 | 1328 | 1328 | 1328 | |
| 5° | 1326 | 1322 | 1310 | 1321 | 1320 | 126 |
| 15° | 1263 | 1258 | 1242 | 1248 | 1246 | 356 |
| 25° | 1143 | 1136 | 1121 | 1122 | 1118 | 526 |
| 35° | 984 | 976 | 962 | 954 | 949 | 615 |
| 45° | 803 | 795 | 779 | 767 | 764 | 619 |
| 55° | 607 | 604 | 589 | 577 | 570 | 544 |
| 65° | 412 | 406 | 396 | 385 | 380 | 407 |
| 75° | 219 | 214 | 208 | 204 | 203 | 233 |
| 85° | 57 | 57 | 55 | 55 | 54 | 63 |
| 90° | 4 | 18 | 28 | 36 | 39 | 8 |
| 95° | 78 | 89 | 99 | 102 | 102 | 87 |
| 105° | 302 | 304 | 309 | 313 | 316 | 321 |
| 115° | 565 | 565 | 563 | 562 | 560 | 557 |
| 125° | 824 | 823 | 822 | 820 | 817 | 734 |
| 135° | 1062 | 1070 | 1070 | 1067 | 1063 | 821 |
| 145° | 1290 | 1295 | 1297 | 1295 | 1292 | 807 |
| 155° | 1478 | 1478 | 1477 | 1482 | 1477 | 680 |
| 165° | 1609 | 1606 | 1603 | 1610 | 1606 | 453 |
| 175° | 1674 | 1668 | 1666 | 1675 | 1666 | 159 |
| 180° | 1677 | 1677 | 1677 | 1677 | 1677 | |



TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 |
| 2.5° | 1330.9 | 1330.3 | 1329.7 | 1329.2 | 1328.6 | 1327.3 | 1325.2 | 1323.1 | 1321.0 | 1319.0 | 1320.8 |
| 5° | 1326.4 | 1325.5 | 1324.5 | 1323.6 | 1322.6 | 1320.8 | 1318.2 | 1315.6 | 1313.0 | 1310.4 | 1313.0 |
| 7.5° | 1314.1 | 1313.1 | 1312.2 | 1311.2 | 1310.3 | 1308.4 | 1305.5 | 1302.6 | 1299.7 | 1296.8 | 1298.9 |
| 10° | 1303.0 | 1302.1 | 1301.1 | 1300.2 | 1299.2 | 1297.2 | 1294.1 | 1291.1 | 1288.0 | 1284.9 | 1286.8 |
| 12.5° | 1288.5 | 1287.6 | 1286.6 | 1285.7 | 1284.8 | 1282.6 | 1279.4 | 1276.1 | 1272.9 | 1269.6 | 1271.7 |
| 15° | 1262.6 | 1261.6 | 1260.7 | 1259.7 | 1258.8 | 1256.6 | 1253.0 | 1249.5 | 1245.9 | 1242.4 | 1243.8 |
| 17.5° | 1231.3 | 1230.1 | 1228.9 | 1227.8 | 1226.6 | 1224.3 | 1221.0 | 1217.6 | 1214.2 | 1210.9 | 1211.8 |
| 20° | 1208.3 | 1207.1 | 1206.0 | 1204.8 | 1203.6 | 1201.2 | 1197.7 | 1194.1 | 1190.6 | 1187.1 | 1187.8 |
| 22.5° | 1183.7 | 1182.1 | 1180.5 | 1179.0 | 1177.4 | 1174.9 | 1171.3 | 1167.8 | 1164.2 | 1160.7 | 1162.0 |
| 25° | 1143.4 | 1141.8 | 1140.1 | 1138.5 | 1136.8 | 1134.3 | 1131.0 | 1127.7 | 1124.4 | 1121.1 | 1121.3 |
| 27.5° | 1097.5 | 1095.8 | 1094.1 | 1092.4 | 1090.7 | 1088.3 | 1085.2 | 1082.2 | 1079.1 | 1076.0 | 1075.4 |
| 30° | 1066.9 | 1065.0 | 1063.1 | 1061.2 | 1059.3 | 1056.8 | 1053.7 | 1050.7 | 1047.6 | 1044.5 | 1043.6 |
| 32.5° | 1034.5 | 1032.8 | 1031.1 | 1029.4 | 1027.7 | 1025.2 | 1022.0 | 1018.7 | 1015.5 | 1012.2 | 1011.1 |
| 35° | 983.9 | 982.2 | 980.6 | 978.9 | 977.3 | 974.8 | 971.5 | 968.2 | 964.9 | 961.6 | 959.9 |
| 37.5° | 930.5 | 929.0 | 927.5 | 926.0 | 924.4 | 921.9 | 918.4 | 914.8 | 911.3 | 907.7 | 905.9 |
| 40° | 895.6 | 893.7 | 891.8 | 889.9 | 888.0 | 885.3 | 881.8 | 878.2 | 874.7 | 871.1 | 868.8 |
| 42.5° | 858.2 | 857.0 | 855.9 | 854.8 | 853.6 | 851.1 | 847.2 | 843.3 | 839.3 | 835.4 | 832.7 |
| 45° | 803.1 | 801.4 | 799.8 | 798.1 | 796.5 | 793.7 | 790.0 | 786.2 | 782.4 | 778.6 | 776.0 |
| 47.5° | 745.4 | 744.3 | 743.2 | 742.0 | 740.9 | 738.6 | 735.1 | 731.6 | 728.1 | 724.6 | 721.6 |
| 50° | 706.3 | 705.3 | 704.4 | 703.4 | 702.5 | 700.4 | 697.1 | 693.8 | 690.4 | 687.1 | 683.8 |
| 52.5° | 668.0 | 666.9 | 665.7 | 664.6 | 663.4 | 661.1 | 657.6 | 654.1 | 650.6 | 647.1 | 644.2 |
| 55° | 607.4 | 606.6 | 605.9 | 605.2 | 604.5 | 602.5 | 599.2 | 595.9 | 592.6 | 589.3 | 586.4 |
| 57.5° | 549.5 | 548.7 | 547.9 | 547.1 | 546.3 | 544.2 | 541.0 | 537.7 | 534.5 | 531.2 | 528.5 |
| 60° | 509.5 | 508.3 | 507.1 | 506.0 | 504.8 | 502.6 | 499.6 | 496.5 | 493.4 | 490.4 | 488.2 |
| 62.5° | 470.4 | 469.4 | 468.4 | 467.4 | 466.4 | 464.3 | 461.0 | 457.7 | 454.5 | 451.2 | 449.3 |
| 65° | 411.6 | 410.5 | 409.3 | 408.1 | 406.9 | 405.1 | 402.8 | 400.4 | 398.0 | 395.7 | 393.3 |
| 67.5° | 352.5 | 351.4 | 350.3 | 349.2 | 348.2 | 346.5 | 344.2 | 341.9 | 339.7 | 337.4 | 335.1 |
| 70° | 315.9 | 314.3 | 312.6 | 310.9 | 309.3 | 307.5 | 305.6 | 303.7 | 301.8 | 300.0 | 298.1 |
| 72.5° | 276.8 | 275.1 | 273.5 | 271.8 | 270.1 | 268.6 | 267.1 | 265.5 | 264.0 | 262.5 | 261.0 |
| 75° | 219.1 | 217.9 | 216.8 | 215.6 | 214.4 | 213.2 | 212.0 | 210.8 | 209.7 | 208.5 | 207.5 |
| 77.5° | 164.0 | 163.5 | 163.0 | 162.5 | 161.9 | 161.2 | 160.1 | 159.1 | 158.0 | 157.0 | 156.7 |
| 80° | 130.8 | 130.1 | 129.4 | 128.7 | 128.0 | 127.4 | 126.9 | 126.5 | 126.0 | 125.5 | 125.0 |
| 82.5° | 98.5 | 98.2 | 97.8 | 97.5 | 97.2 | 97.0 | 96.9 | 96.8 | 96.7 | 96.6 | 96.3 |
| 85° | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.2 | 56.7 | 56.3 | 55.8 | 55.3 | 55.3 |
| 87.5° | 22.9 | 23.3 | 23.8 | 24.2 | 24.7 | 25.0 | 25.3 | 25.6 | 25.9 | 26.1 | 26.5 |
| 90° | 3.9 | 7.1 | 10.2 | 13.4 | 16.6 | 19.3 | 21.6 | 23.9 | 26.2 | 28.5 | 30.3 |
| 92.5° | 27.8 | 31.4 | 35.0 | 38.6 | 42.3 | 44.9 | 46.5 | 48.1 | 49.7 | 51.4 | 52.4 |
| 95° | 77.8 | 80.4 | 83.0 | 85.6 | 88.2 | 90.5 | 92.5 | 94.5 | 96.5 | 98.6 | 99.4 |
| 97.5° | 135.9 | 138.0 | 140.1 | 142.1 | 144.2 | 146.4 | 148.8 | 151.2 | 153.5 | 155.9 | 156.9 |
| 100° | 181.6 | 182.7 | 183.9 | 185.0 | 186.2 | 188.0 | 190.6 | 193.2 | 195.8 | 198.4 | 199.0 |
| 102.5° | 229.3 | 229.8 | 230.2 | 230.7 | 231.1 | 232.5 | 234.9 | 237.3 | 239.6 | 242.0 | 242.8 |
| 105° | 302.2 | 302.5 | 302.8 | 303.0 | 303.3 | 304.0 | 305.2 | 306.4 | 307.5 | 308.7 | 309.5 |
| 107.5° | 378.7 | 379.0 | 379.4 | 379.7 | 380.1 | 380.3 | 380.5 | 380.7 | 380.9 | 381.0 | 381.8 |
| 110° | 430.6 | 431.1 | 431.7 | 432.3 | 432.9 | 433.0 | 432.7 | 432.4 | 432.2 | 431.9 | 431.3 |



TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 484.5 | 484.6 | 484.7 | 484.9 | 485.0 | 484.8 | 484.3 | 483.7 | 483.2 | 482.7 | 482.6 |
| 115° | 565.4 | 565.4 | 565.4 | 565.4 | 565.4 | 565.2 | 564.6 | 564.0 | 563.4 | 562.8 | 562.6 |
| 117.5° | 641.7 | 641.9 | 642.2 | 642.4 | 642.6 | 642.5 | 642.1 | 641.7 | 641.3 | 640.9 | 639.9 |
| 120° | 692.5 | 693.7 | 694.8 | 696.0 | 697.1 | 697.3 | 696.4 | 695.6 | 694.7 | 693.8 | 692.4 |
| 122.5° | 745.4 | 745.9 | 746.4 | 746.8 | 747.3 | 747.3 | 746.9 | 746.5 | 746.1 | 745.7 | 744.7 |
| 125° | 823.5 | 823.5 | 823.5 | 823.5 | 823.5 | 823.4 | 823.1 | 822.8 | 822.5 | 822.2 | 821.6 |
| 127.5° | 894.3 | 895.2 | 896.1 | 896.9 | 897.8 | 898.0 | 897.5 | 897.1 | 896.6 | 896.1 | 895.6 |
| 130° | 944.1 | 945.0 | 945.9 | 946.7 | 947.6 | 948.0 | 948.0 | 948.0 | 948.0 | 948.0 | 947.4 |
| 132.5° | 995.0 | 995.6 | 996.2 | 996.9 | 997.5 | 997.7 | 997.5 | 997.2 | 997.0 | 996.8 | 996.2 |
| 135° | 1062.1 | 1063.9 | 1065.6 | 1067.3 | 1069.1 | 1069.9 | 1069.9 | 1069.9 | 1069.9 | 1069.9 | 1069.4 |
| 137.5° | 1135.3 | 1136.1 | 1136.9 | 1137.7 | 1138.5 | 1139.2 | 1139.6 | 1140.1 | 1140.5 | 1141.0 | 1140.2 |
| 140° | 1184.1 | 1184.6 | 1185.2 | 1185.8 | 1186.4 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.4 |
| 142.5° | 1228.7 | 1229.2 | 1229.8 | 1230.4 | 1231.0 | 1231.1 | 1230.9 | 1230.7 | 1230.5 | 1230.2 | 1230.2 |
| 145° | 1290.4 | 1291.6 | 1292.7 | 1293.9 | 1295.0 | 1295.7 | 1296.0 | 1296.3 | 1296.6 | 1296.9 | 1296.6 |
| 147.5° | 1351.6 | 1353.0 | 1354.4 | 1355.8 | 1357.1 | 1357.7 | 1357.5 | 1357.3 | 1357.0 | 1356.8 | 1356.6 |
| 150° | 1389.0 | 1390.1 | 1391.3 | 1392.4 | 1393.6 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 | 1394.1 |
| 152.5° | 1424.2 | 1424.9 | 1425.6 | 1426.3 | 1427.0 | 1427.5 | 1427.7 | 1427.9 | 1428.2 | 1428.4 | 1429.1 |
| 155° | 1478.4 | 1478.4 | 1478.4 | 1478.4 | 1478.4 | 1478.3 | 1478.0 | 1477.7 | 1477.4 | 1477.2 | 1478.3 |
| 157.5° | 1524.1 | 1523.6 | 1523.1 | 1522.5 | 1522.0 | 1521.7 | 1521.7 | 1521.6 | 1521.6 | 1521.5 | 1522.4 |
| 160° | 1551.1 | 1550.8 | 1550.5 | 1550.2 | 1549.9 | 1549.6 | 1549.3 | 1549.1 | 1548.8 | 1548.5 | 1549.3 |
| 162.5° | 1576.0 | 1575.2 | 1574.5 | 1573.7 | 1573.0 | 1572.5 | 1572.2 | 1571.9 | 1571.6 | 1571.3 | 1572.9 |
| 165° | 1609.4 | 1608.6 | 1607.7 | 1606.8 | 1606.0 | 1605.3 | 1604.7 | 1604.1 | 1603.5 | 1602.9 | 1604.7 |
| 167.5° | 1635.1 | 1633.9 | 1632.7 | 1631.5 | 1630.3 | 1629.7 | 1629.8 | 1629.8 | 1629.9 | 1629.9 | 1631.7 |
| 170° | 1649.6 | 1648.2 | 1646.8 | 1645.3 | 1643.9 | 1643.3 | 1643.6 | 1643.9 | 1644.2 | 1644.4 | 1646.2 |
| 172.5° | 1660.0 | 1658.8 | 1657.6 | 1656.4 | 1655.2 | 1654.6 | 1654.7 | 1654.7 | 1654.8 | 1654.8 | 1656.8 |
| 175° | 1674.3 | 1672.8 | 1671.4 | 1670.0 | 1668.5 | 1667.6 | 1667.4 | 1667.1 | 1666.8 | 1666.5 | 1668.5 |
| 177.5° | 1678.9 | 1677.8 | 1676.6 | 1675.5 | 1674.3 | 1673.8 | 1673.8 | 1673.8 | 1673.8 | 1673.8 | 1675.4 |
| 180° | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 |



TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 | 1327.5 |
| 2.5° | 1322.7 | 1324.6 | 1326.5 | 1327.4 | 1327.2 | 1327.0 | 1326.8 | 1326.6 |
| 5° | 1315.6 | 1318.2 | 1320.8 | 1321.9 | 1321.4 | 1321.0 | 1320.5 | 1320.0 |
| 7.5° | 1301.0 | 1303.1 | 1305.1 | 1306.0 | 1305.8 | 1305.5 | 1305.2 | 1304.9 |
| 10° | 1288.7 | 1290.6 | 1292.5 | 1293.2 | 1292.7 | 1292.2 | 1291.8 | 1291.3 |
| 12.5° | 1273.8 | 1275.8 | 1277.9 | 1278.6 | 1278.0 | 1277.3 | 1276.6 | 1276.0 |
| 15° | 1245.2 | 1246.6 | 1248.0 | 1248.4 | 1247.7 | 1247.0 | 1246.3 | 1245.6 |
| 17.5° | 1212.7 | 1213.6 | 1214.5 | 1214.7 | 1214.2 | 1213.7 | 1213.3 | 1212.8 |
| 20° | 1188.5 | 1189.2 | 1189.9 | 1190.0 | 1189.5 | 1189.1 | 1188.6 | 1188.1 |
| 22.5° | 1163.2 | 1164.5 | 1165.8 | 1166.0 | 1165.1 | 1164.3 | 1163.4 | 1162.6 |
| 25° | 1121.6 | 1121.8 | 1122.1 | 1121.7 | 1120.8 | 1119.8 | 1118.9 | 1117.9 |
| 27.5° | 1074.9 | 1074.3 | 1073.7 | 1072.9 | 1071.7 | 1070.5 | 1069.3 | 1068.1 |
| 30° | 1042.6 | 1041.7 | 1040.7 | 1039.7 | 1038.5 | 1037.3 | 1036.1 | 1035.0 |
| 32.5° | 1009.9 | 1008.8 | 1007.7 | 1006.5 | 1005.3 | 1004.1 | 1002.9 | 1001.8 |
| 35° | 958.3 | 956.6 | 954.9 | 953.5 | 952.3 | 951.2 | 950.0 | 948.8 |
| 37.5° | 904.1 | 902.3 | 900.6 | 898.9 | 897.3 | 895.8 | 894.2 | 892.6 |
| 40° | 866.4 | 864.1 | 861.7 | 859.9 | 858.7 | 857.6 | 856.4 | 855.2 |
| 42.5° | 829.9 | 827.2 | 824.4 | 822.7 | 821.9 | 821.1 | 820.3 | 819.5 |
| 45° | 773.4 | 770.8 | 768.2 | 766.6 | 765.8 | 765.1 | 764.4 | 763.7 |
| 47.5° | 718.7 | 715.8 | 712.8 | 710.5 | 708.7 | 706.9 | 705.1 | 703.3 |
| 50° | 680.5 | 677.2 | 673.9 | 671.5 | 670.1 | 668.7 | 667.3 | 665.9 |
| 52.5° | 641.3 | 638.3 | 635.4 | 633.1 | 631.3 | 629.5 | 627.7 | 625.9 |
| 55° | 583.6 | 580.8 | 577.9 | 575.8 | 574.4 | 573.0 | 571.5 | 570.1 |
| 57.5° | 525.8 | 523.1 | 520.4 | 518.4 | 517.0 | 515.6 | 514.3 | 512.9 |
| 60° | 486.1 | 484.0 | 481.8 | 480.2 | 479.0 | 477.8 | 476.6 | 475.5 |
| 62.5° | 447.3 | 445.4 | 443.5 | 441.9 | 440.7 | 439.5 | 438.4 | 437.2 |
| 65° | 391.0 | 388.6 | 386.2 | 384.5 | 383.3 | 382.1 | 380.9 | 379.7 |
| 67.5° | 332.9 | 330.6 | 328.3 | 327.0 | 326.7 | 326.4 | 326.0 | 325.7 |
| 70° | 296.2 | 294.3 | 292.4 | 291.1 | 290.4 | 289.7 | 289.0 | 288.3 |
| 72.5° | 259.5 | 258.0 | 256.5 | 255.4 | 254.6 | 253.9 | 253.2 | 252.5 |
| 75° | 206.6 | 205.6 | 204.7 | 204.1 | 203.9 | 203.6 | 203.4 | 203.2 |
| 77.5° | 156.4 | 156.1 | 155.9 | 155.4 | 154.8 | 154.2 | 153.6 | 153.0 |
| 80° | 124.6 | 124.1 | 123.6 | 123.3 | 123.0 | 122.8 | 122.6 | 122.3 |
| 82.5° | 96.0 | 95.7 | 95.4 | 95.2 | 95.0 | 94.7 | 94.5 | 94.2 |
| 85° | 55.3 | 55.3 | 55.3 | 55.2 | 55.0 | 54.7 | 54.5 | 54.2 |
| 87.5° | 26.8 | 27.2 | 27.5 | 27.7 | 27.9 | 28.0 | 28.1 | 28.2 |
| 90° | 32.0 | 33.7 | 35.4 | 36.6 | 37.2 | 37.8 | 38.3 | 38.9 |
| 92.5° | 53.4 | 54.5 | 55.5 | 56.2 | 56.5 | 56.9 | 57.2 | 57.6 |
| 95° | 100.3 | 101.2 | 102.0 | 102.5 | 102.5 | 102.5 | 102.5 | 102.5 |
| 97.5° | 158.0 | 159.0 | 160.0 | 160.6 | 160.6 | 160.6 | 160.6 | 160.6 |
| 100° | 199.6 | 200.2 | 200.7 | 201.0 | 201.0 | 201.0 | 201.0 | 201.0 |
| 102.5° | 243.6 | 244.4 | 245.2 | 245.7 | 246.0 | 246.2 | 246.4 | 246.7 |
| 105° | 310.4 | 311.3 | 312.1 | 313.0 | 313.8 | 314.7 | 315.6 | 316.4 |
| 107.5° | 382.6 | 383.4 | 384.3 | 384.6 | 384.6 | 384.5 | 384.5 | 384.4 |
| 110° | 430.7 | 430.1 | 429.6 | 429.7 | 430.6 | 431.4 | 432.3 | 433.2 |



TEST NUMBER: P332798

CATALOG NUMBER: S124DIW-S795D1340U835-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 482.5 | 482.4 | 482.2 | 482.3 | 482.4 | 482.6 | 482.8 | 483.0 |
| 115° | 562.3 | 562.0 | 561.7 | 561.4 | 561.1 | 560.8 | 560.5 | 560.3 |
| 117.5° | 639.0 | 638.0 | 637.0 | 636.2 | 635.6 | 635.1 | 634.5 | 633.9 |
| 120° | 691.0 | 689.5 | 688.1 | 687.6 | 688.2 | 688.8 | 689.4 | 689.9 |
| 122.5° | 743.7 | 742.8 | 741.8 | 740.8 | 739.7 | 738.7 | 737.7 | 736.6 |
| 125° | 821.1 | 820.5 | 819.9 | 819.3 | 818.8 | 818.2 | 817.6 | 817.0 |
| 127.5° | 895.0 | 894.4 | 893.8 | 893.3 | 892.9 | 892.4 | 891.9 | 891.5 |
| 130° | 946.9 | 946.3 | 945.7 | 944.9 | 943.7 | 942.5 | 941.4 | 940.2 |
| 132.5° | 995.6 | 995.1 | 994.5 | 994.0 | 993.5 | 993.0 | 992.6 | 992.1 |
| 135° | 1068.8 | 1068.2 | 1067.6 | 1066.9 | 1066.0 | 1065.2 | 1064.3 | 1063.4 |
| 137.5° | 1139.5 | 1138.8 | 1138.0 | 1137.7 | 1137.9 | 1138.1 | 1138.2 | 1138.4 |
| 140° | 1186.1 | 1185.8 | 1185.5 | 1185.2 | 1184.9 | 1184.6 | 1184.3 | 1184.1 |
| 142.5° | 1230.1 | 1230.1 | 1230.0 | 1229.9 | 1229.9 | 1229.8 | 1229.8 | 1229.7 |
| 145° | 1296.3 | 1296.0 | 1295.7 | 1295.2 | 1294.3 | 1293.4 | 1292.6 | 1291.7 |
| 147.5° | 1356.3 | 1356.1 | 1355.9 | 1355.6 | 1355.3 | 1355.0 | 1354.8 | 1354.5 |
| 150° | 1394.1 | 1394.1 | 1394.1 | 1394.0 | 1393.7 | 1393.4 | 1393.1 | 1392.9 |
| 152.5° | 1429.8 | 1430.5 | 1431.2 | 1431.1 | 1430.4 | 1429.6 | 1428.9 | 1428.1 |
| 155° | 1479.5 | 1480.6 | 1481.8 | 1481.8 | 1480.6 | 1479.5 | 1478.3 | 1477.2 |
| 157.5° | 1523.2 | 1524.1 | 1525.0 | 1524.9 | 1523.9 | 1522.9 | 1522.0 | 1521.0 |
| 160° | 1550.2 | 1551.1 | 1551.9 | 1551.6 | 1550.2 | 1548.8 | 1547.3 | 1545.9 |
| 162.5° | 1574.4 | 1576.0 | 1577.5 | 1577.6 | 1576.1 | 1574.7 | 1573.3 | 1571.8 |
| 165° | 1606.4 | 1608.1 | 1609.9 | 1610.2 | 1609.0 | 1607.8 | 1606.7 | 1605.5 |
| 167.5° | 1633.4 | 1635.1 | 1636.8 | 1636.8 | 1635.0 | 1633.2 | 1631.5 | 1629.7 |
| 170° | 1647.9 | 1649.6 | 1651.4 | 1651.2 | 1649.2 | 1647.2 | 1645.2 | 1643.2 |
| 172.5° | 1658.7 | 1660.7 | 1662.7 | 1662.6 | 1660.6 | 1658.6 | 1656.6 | 1654.6 |
| 175° | 1670.5 | 1672.5 | 1674.6 | 1674.6 | 1672.5 | 1670.5 | 1668.5 | 1666.5 |
| 177.5° | 1677.0 | 1678.6 | 1680.2 | 1680.1 | 1678.3 | 1676.4 | 1674.6 | 1672.7 |
| 180° | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 | 1676.9 |

(END OF REPORT)