

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: P332604

Luminaire Tested: **S124DIP-S795D810U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332604
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: S124DIP-S795D810U835-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6643.2 lumens
Efficiency: N/A
Efficacy: 144.7 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

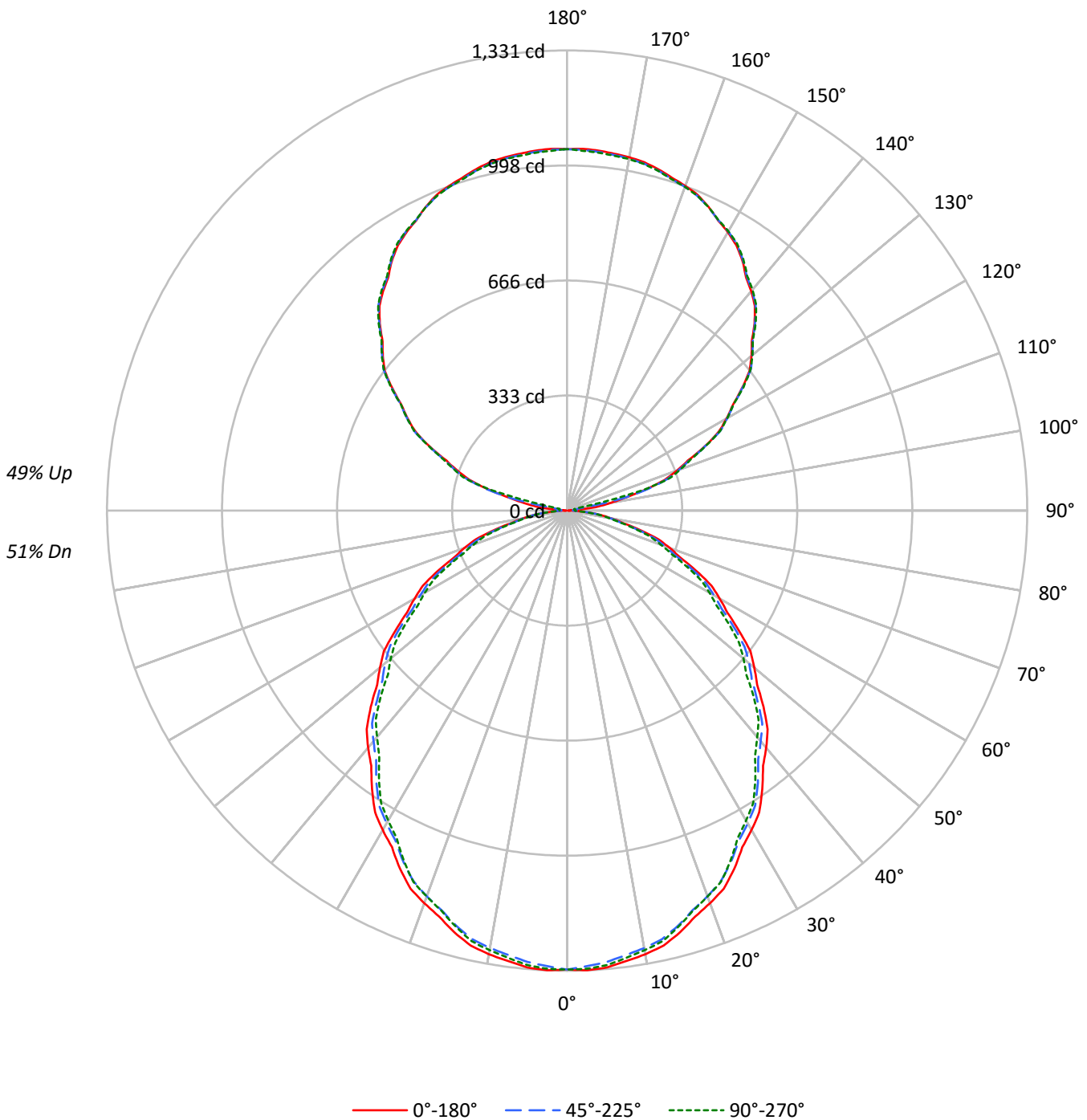
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | | |
| 1 | 98 | 94 | 90 | 86 | 90 | 87 | 83 | 80 | 74 | 71 | 69 | 62 | 60 | 58 | 51 | 49 | 48 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | | |
| 2 | 89 | 82 | 76 | 70 | 82 | 76 | 70 | 66 | 65 | 61 | 57 | 54 | 51 | 49 | 45 | 42 | 41 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | | |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 35 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| 4 | 74 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 35 | 35 | 32 | 30 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | |
| 5 | 68 | 57 | 49 | 43 | 63 | 53 | 45 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 29 | 26 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | | |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 25 | 23 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | | |
| 9 | 50 | 38 | 31 | 25 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 21 | 17 | 15 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | | |

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: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 125.0 | 1.9 |
| 10°-20° | 352.2 | 5.3 |
| 20°-30° | 518.4 | 7.8 |
| 30°-40° | 602.7 | 9.1 |
| 40°-50° | 602.7 | 9.1 |
| 50°-60° | 527.2 | 7.9 |
| 60°-70° | 391.5 | 5.9 |
| 70°-80° | 222.4 | 3.3 |
| 80°-90° | 67.2 | 1.0 |
| 90°-100° | 35.8 | 0.5 |
| 100°-110° | 228.0 | 3.4 |
| 110°-120° | 436.1 | 6.6 |
| 120°-130° | 553.6 | 8.3 |
| 130°-140° | 592.3 | 8.9 |
| 140°-150° | 553.9 | 8.3 |
| 150°-160° | 446.7 | 6.7 |
| 160°-170° | 288.1 | 4.3 |
| 170°-180° | 99.3 | 1.5 |
| 0°-30° | 995.7 | 15.0 |
| 0°-40° | 1598.4 | 24.1 |
| 0°-60° | 2728.3 | 41.1 |
| 0°-90° | 3409.5 | 51.3 |
| 90°-120° | 699.8 | 10.5 |
| 90°-150° | 2399.6 | 36.1 |
| 90°-180° | 3234.0 | 48.7 |
| 0°-180° | 6643.2 | 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° | 2 | 11 | 17 | 22 | 24 | 5 |
| 95° | 43 | 18 | 17 | 22 | 23 | 55 |
| 105° | 235 | 240 | 244 | 249 | 223 | 246 |
| 115° | 439 | 442 | 441 | 442 | 443 | 432 |
| 125° | 618 | 621 | 619 | 622 | 622 | 551 |
| 135° | 766 | 766 | 769 | 770 | 772 | 590 |
| 145° | 884 | 886 | 886 | 887 | 888 | 552 |
| 155° | 969 | 969 | 967 | 970 | 968 | 446 |
| 165° | 1022 | 1018 | 1018 | 1024 | 1017 | 289 |
| 175° | 1045 | 1041 | 1042 | 1048 | 1039 | 100 |
| 180° | 1045 | 1045 | 1045 | 1045 | 1045 | |



TEST NUMBER: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-UDD-F

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° | 22.6 | 22.8 | 23.0 | 23.2 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 24.1 |
| 90° | 2.3 | 4.3 | 6.2 | 8.1 | 10.0 | 11.6 | 13.0 | 14.4 | 15.8 | 17.2 | 18.2 |
| 92.5° | 9.9 | 10.0 | 10.1 | 10.2 | 10.3 | 11.0 | 12.4 | 13.8 | 15.2 | 16.6 | 17.6 |
| 95° | 43.0 | 37.1 | 31.2 | 25.3 | 19.4 | 16.5 | 16.7 | 16.9 | 17.0 | 17.2 | 18.2 |
| 97.5° | 91.3 | 95.0 | 98.7 | 102.4 | 106.1 | 98.2 | 78.8 | 59.4 | 40.0 | 20.6 | 20.7 |
| 100° | 128.2 | 131.4 | 134.5 | 137.6 | 140.7 | 130.3 | 106.3 | 82.4 | 58.4 | 34.4 | 31.4 |
| 102.5° | 169.5 | 171.8 | 174.1 | 176.4 | 178.7 | 178.3 | 175.1 | 172.0 | 168.9 | 165.8 | 133.9 |
| 105° | 235.3 | 236.4 | 237.4 | 238.5 | 239.5 | 240.5 | 241.3 | 242.2 | 243.1 | 243.9 | 245.5 |
| 107.5° | 296.5 | 297.0 | 297.5 | 298.1 | 298.6 | 299.4 | 300.6 | 301.8 | 303.0 | 304.2 | 304.9 |
| 110° | 337.8 | 338.3 | 338.8 | 339.3 | 339.9 | 340.6 | 341.7 | 342.7 | 343.8 | 344.8 | 345.2 |



TEST NUMBER: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 377.8 | 378.7 | 379.7 | 380.6 | 381.6 | 382.3 | 382.8 | 383.2 | 383.7 | 384.2 | 384.2 |
| 115° | 439.4 | 439.9 | 440.5 | 441.0 | 441.5 | 441.7 | 441.5 | 441.3 | 441.2 | 441.0 | 441.3 |
| 117.5° | 494.9 | 495.6 | 496.3 | 497.0 | 497.7 | 498.3 | 498.6 | 499.0 | 499.4 | 499.8 | 499.7 |
| 120° | 532.5 | 533.2 | 533.9 | 534.6 | 535.2 | 535.5 | 535.3 | 535.2 | 535.0 | 534.8 | 535.2 |
| 122.5° | 567.5 | 567.9 | 568.3 | 568.7 | 569.2 | 569.5 | 569.7 | 570.0 | 570.2 | 570.5 | 570.7 |
| 125° | 617.7 | 618.4 | 619.1 | 619.8 | 620.5 | 620.6 | 620.3 | 620.0 | 619.6 | 619.3 | 619.8 |
| 127.5° | 665.2 | 665.4 | 665.6 | 665.8 | 665.9 | 666.4 | 667.2 | 668.0 | 668.8 | 669.6 | 669.5 |
| 130° | 695.9 | 696.1 | 696.2 | 696.4 | 696.6 | 696.9 | 697.4 | 698.0 | 698.5 | 699.0 | 699.2 |
| 132.5° | 724.0 | 724.3 | 724.7 | 725.0 | 725.3 | 725.8 | 726.4 | 727.1 | 727.7 | 728.4 | 728.6 |
| 135° | 766.3 | 766.1 | 765.9 | 765.7 | 765.6 | 765.8 | 766.5 | 767.2 | 767.9 | 768.6 | 768.9 |
| 137.5° | 803.6 | 803.7 | 803.8 | 803.8 | 803.9 | 804.3 | 805.1 | 805.9 | 806.6 | 807.4 | 807.8 |
| 140° | 828.0 | 828.4 | 828.7 | 829.1 | 829.4 | 829.8 | 830.1 | 830.5 | 830.8 | 831.1 | 831.7 |
| 142.5° | 849.9 | 850.5 | 851.2 | 851.8 | 852.4 | 852.8 | 853.0 | 853.3 | 853.5 | 853.7 | 854.1 |
| 145° | 883.5 | 884.1 | 884.6 | 885.1 | 885.6 | 885.9 | 885.9 | 885.9 | 885.9 | 885.9 | 886.1 |
| 147.5° | 910.3 | 911.3 | 912.2 | 913.2 | 914.2 | 914.6 | 914.4 | 914.2 | 914.0 | 913.9 | 914.0 |
| 150° | 929.7 | 930.4 | 931.1 | 931.8 | 932.4 | 932.7 | 932.5 | 932.4 | 932.2 | 932.0 | 932.0 |
| 152.5° | 945.9 | 946.5 | 947.0 | 947.6 | 948.2 | 948.3 | 948.0 | 947.7 | 947.3 | 947.0 | 947.3 |
| 155° | 968.8 | 968.9 | 969.1 | 969.3 | 969.5 | 969.3 | 968.8 | 968.2 | 967.7 | 967.2 | 967.9 |
| 157.5° | 988.0 | 987.9 | 987.8 | 987.7 | 987.6 | 987.2 | 986.6 | 986.1 | 985.5 | 984.9 | 985.8 |
| 160° | 999.3 | 998.7 | 998.2 | 997.7 | 997.2 | 996.8 | 996.7 | 996.5 | 996.3 | 996.1 | 997.2 |
| 162.5° | 1009.3 | 1008.6 | 1007.9 | 1007.3 | 1006.6 | 1006.2 | 1006.0 | 1005.9 | 1005.7 | 1005.5 | 1006.6 |
| 165° | 1021.9 | 1021.1 | 1020.2 | 1019.3 | 1018.5 | 1018.0 | 1018.0 | 1018.0 | 1018.0 | 1018.0 | 1019.4 |
| 167.5° | 1031.9 | 1031.0 | 1030.1 | 1029.2 | 1028.3 | 1027.8 | 1027.7 | 1027.6 | 1027.5 | 1027.4 | 1028.9 |
| 170° | 1037.6 | 1036.5 | 1035.5 | 1034.4 | 1033.4 | 1033.0 | 1033.1 | 1033.3 | 1033.5 | 1033.7 | 1035.0 |
| 172.5° | 1041.3 | 1040.3 | 1039.2 | 1038.2 | 1037.2 | 1036.7 | 1036.9 | 1037.1 | 1037.2 | 1037.4 | 1038.8 |
| 175° | 1045.4 | 1044.3 | 1043.3 | 1042.3 | 1041.2 | 1040.8 | 1041.0 | 1041.1 | 1041.3 | 1041.5 | 1043.0 |
| 177.5° | 1047.3 | 1046.3 | 1045.3 | 1044.3 | 1043.4 | 1043.0 | 1043.3 | 1043.6 | 1043.9 | 1044.1 | 1045.2 |
| 180° | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 |



TEST NUMBER: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-UDD-F

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° | 24.3 | 24.5 | 24.7 | 24.8 | 24.9 | 25.0 | 25.0 | 25.1 |
| 90° | 19.3 | 20.3 | 21.4 | 22.1 | 22.4 | 22.8 | 23.1 | 23.5 |
| 92.5° | 18.7 | 19.7 | 20.7 | 21.3 | 21.4 | 21.4 | 21.5 | 21.6 |
| 95° | 19.3 | 20.3 | 21.4 | 22.0 | 22.2 | 22.3 | 22.5 | 22.7 |
| 97.5° | 20.9 | 21.0 | 21.1 | 21.2 | 21.4 | 21.5 | 21.7 | 21.9 |
| 100° | 28.5 | 25.5 | 22.6 | 21.2 | 21.4 | 21.5 | 21.7 | 21.9 |
| 102.5° | 102.0 | 70.2 | 38.3 | 22.4 | 22.4 | 22.4 | 22.5 | 22.5 |
| 105° | 247.1 | 248.6 | 250.2 | 247.9 | 241.6 | 235.3 | 229.1 | 222.8 |
| 107.5° | 305.7 | 306.4 | 307.2 | 307.9 | 308.6 | 309.2 | 309.9 | 310.6 |
| 110° | 345.5 | 345.9 | 346.2 | 346.6 | 347.2 | 347.7 | 348.2 | 348.7 |



TEST NUMBER: P332604

CATALOG NUMBER: S124DIP-S795D810U835-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 384.1 | 384.0 | 383.9 | 384.2 | 384.9 | 385.6 | 386.2 | 386.9 |
| 115° | 441.7 | 442.0 | 442.4 | 442.6 | 442.6 | 442.6 | 442.6 | 442.6 |
| 117.5° | 499.6 | 499.6 | 499.5 | 499.4 | 499.4 | 499.3 | 499.2 | 499.2 |
| 120° | 535.5 | 535.9 | 536.2 | 536.2 | 535.9 | 535.5 | 535.2 | 534.8 |
| 122.5° | 570.9 | 571.1 | 571.3 | 571.2 | 570.9 | 570.5 | 570.2 | 569.8 |
| 125° | 620.3 | 620.8 | 621.3 | 621.7 | 621.9 | 622.0 | 622.2 | 622.4 |
| 127.5° | 669.4 | 669.3 | 669.2 | 669.1 | 668.9 | 668.8 | 668.7 | 668.5 |
| 130° | 699.4 | 699.5 | 699.7 | 699.8 | 699.8 | 699.8 | 699.8 | 699.8 |
| 132.5° | 728.8 | 728.9 | 729.1 | 729.1 | 729.0 | 728.8 | 728.7 | 728.6 |
| 135° | 769.3 | 769.6 | 770.0 | 770.3 | 770.7 | 771.0 | 771.4 | 771.7 |
| 137.5° | 808.1 | 808.5 | 808.9 | 809.0 | 808.9 | 808.8 | 808.7 | 808.6 |
| 140° | 832.2 | 832.7 | 833.2 | 833.6 | 833.8 | 833.9 | 834.1 | 834.3 |
| 142.5° | 854.4 | 854.8 | 855.2 | 855.4 | 855.4 | 855.5 | 855.5 | 855.5 |
| 145° | 886.2 | 886.4 | 886.6 | 886.8 | 887.2 | 887.5 | 887.9 | 888.2 |
| 147.5° | 914.2 | 914.3 | 914.4 | 914.6 | 914.8 | 914.9 | 915.1 | 915.3 |
| 150° | 932.0 | 932.0 | 932.0 | 932.1 | 932.3 | 932.4 | 932.6 | 932.8 |
| 152.5° | 947.6 | 947.9 | 948.1 | 948.2 | 948.1 | 948.0 | 947.9 | 947.8 |
| 155° | 968.6 | 969.3 | 970.0 | 970.1 | 969.5 | 969.0 | 968.5 | 968.0 |
| 157.5° | 986.7 | 987.6 | 988.5 | 988.5 | 987.6 | 986.7 | 985.8 | 984.9 |
| 160° | 998.2 | 999.3 | 1000.3 | 1000.3 | 999.3 | 998.2 | 997.2 | 996.1 |
| 162.5° | 1007.6 | 1008.6 | 1009.7 | 1009.6 | 1008.4 | 1007.2 | 1006.1 | 1004.9 |
| 165° | 1020.8 | 1022.2 | 1023.6 | 1023.5 | 1021.9 | 1020.4 | 1018.8 | 1017.2 |
| 167.5° | 1030.5 | 1032.0 | 1033.5 | 1033.4 | 1031.7 | 1029.9 | 1028.2 | 1026.5 |
| 170° | 1036.4 | 1037.8 | 1039.2 | 1039.0 | 1037.3 | 1035.6 | 1033.8 | 1032.1 |
| 172.5° | 1040.2 | 1041.6 | 1043.0 | 1042.7 | 1040.9 | 1039.0 | 1037.1 | 1035.2 |
| 175° | 1044.6 | 1046.2 | 1047.7 | 1047.5 | 1045.4 | 1043.3 | 1041.2 | 1039.1 |
| 177.5° | 1046.4 | 1047.5 | 1048.6 | 1048.3 | 1046.6 | 1045.0 | 1043.3 | 1041.6 |
| 180° | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 | 1045.4 |

(END OF REPORT)