

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: P334117

Luminaire Tested: **SA4XXDP-C795D935-4F0-1E-UDD-A**

Issue Date: 10/11/2019

Test Information

Test Method: LM-79-08
Report Number: P334117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-21)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/11/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDP-C795D935-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 795 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

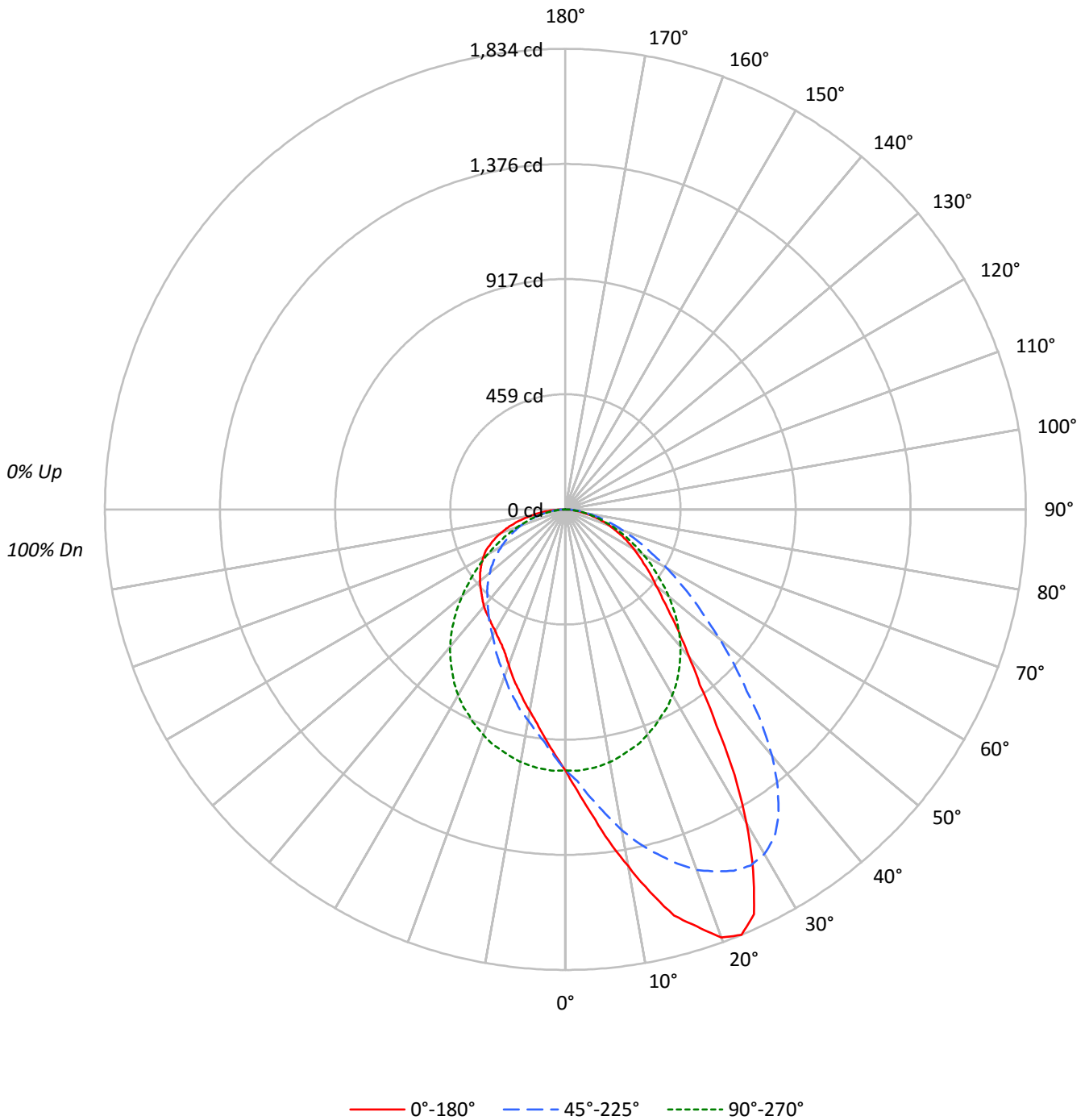
Lumens per Lamp: N/A
Luminaire Lumens: 2867.7 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.22 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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: P334117
CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P334117

CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | 100 |
| 1 | 109 | 105 | 101 | 97 | 107 | 103 | 99 | 96 | 98 | 95 | 93 | 95 | 92 | 90 | 91 | 89 | 87 | 85 | | | | 85 |
| 2 | 100 | 92 | 86 | 80 | 98 | 90 | 84 | 79 | 87 | 82 | 78 | 84 | 79 | 76 | 81 | 77 | 74 | 72 | | | | 72 |
| 3 | 92 | 82 | 74 | 68 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 | | | | 62 |
| 4 | 84 | 73 | 64 | 58 | 82 | 72 | 64 | 58 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 55 | 53 | | | | 53 |
| 5 | 78 | 65 | 57 | 50 | 76 | 64 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 46 | | | | 46 |
| 6 | 72 | 59 | 51 | 44 | 70 | 58 | 50 | 44 | 56 | 49 | 44 | 55 | 48 | 43 | 53 | 47 | 43 | 41 | | | | 41 |
| 7 | 67 | 54 | 45 | 39 | 65 | 53 | 45 | 39 | 52 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 38 | 36 | | | | 36 |
| 8 | 62 | 49 | 41 | 35 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | 33 |
| 9 | 58 | 45 | 37 | 32 | 57 | 45 | 37 | 32 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 30 | | | | 30 |
| 10 | 55 | 42 | 34 | 29 | 54 | 41 | 34 | 29 | 40 | 34 | 29 | 39 | 33 | 29 | 39 | 33 | 29 | 27 | | | | 27 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 8389 | 8389 | 8389 |
| 5° | 9880 | 8411 | 7424 |
| 10° | 11829 | 8375 | 6684 |
| 15° | 13997 | 8290 | 6138 |
| 20° | 15585 | 8204 | 5651 |
| 25° | 15838 | 8076 | 5315 |
| 30° | 13476 | 7954 | 5209 |
| 35° | 10361 | 7756 | 5210 |
| 40° | 8076 | 7522 | 5308 |
| 45° | 6734 | 7171 | 5397 |
| 50° | 5925 | 6742 | 5580 |
| 55° | 5429 | 6229 | 5804 |
| 60° | 5088 | 5769 | 6076 |
| 65° | 4737 | 5255 | 6300 |
| 70° | 4329 | 4744 | 6441 |
| 75° | 3868 | 4177 | 6366 |
| 80° | 3240 | 3422 | 6165 |
| 85° | 2390 | 2473 | 5900 |



TEST NUMBER: P334117
 CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.1 | 3.5 |
| 10°-20° | 312.2 | 10.9 |
| 20°-30° | 495.9 | 17.3 |
| 30°-40° | 551.1 | 19.2 |
| 40°-50° | 501.2 | 17.5 |
| 50°-60° | 409.5 | 14.3 |
| 60°-70° | 292.4 | 10.2 |
| 70°-80° | 160.8 | 5.6 |
| 80°-90° | 43.5 | 1.5 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 909.3 | 31.7 |
| 0°-40° | 1460.3 | 50.9 |
| 0°-60° | 2371.0 | 82.7 |
| 0°-90° | 2867.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2867.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1039 | 1039 | 1039 | 1039 | 1039 | |
| 5° | 1219 | 1152 | 1038 | 933 | 916 | 123 |
| 15° | 1675 | 1421 | 992 | 782 | 734 | 473 |
| 25° | 1778 | 1587 | 907 | 643 | 597 | 789 |
| 35° | 1051 | 1480 | 787 | 531 | 529 | 665 |
| 45° | 590 | 1022 | 628 | 440 | 473 | 463 |
| 55° | 386 | 615 | 443 | 344 | 412 | 348 |
| 65° | 248 | 343 | 275 | 239 | 330 | 245 |
| 75° | 124 | 160 | 134 | 133 | 204 | 132 |
| 85° | 26 | 33 | 27 | 38 | 64 | 32 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P334117

CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 |
| 2.5° | 1122.8 | 1122.3 | 1118.0 | 1117.2 | 1114.1 | 1110.3 | 1109.4 | 1102.5 | 1088.7 | 1082.3 | 1080.6 |
| 5° | 1219.2 | 1227.8 | 1216.6 | 1214.4 | 1213.2 | 1198.9 | 1191.6 | 1183.0 | 1163.2 | 1151.6 | 1142.6 |
| 7.5° | 1332.0 | 1332.4 | 1327.7 | 1322.9 | 1314.8 | 1302.7 | 1286.3 | 1267.4 | 1244.6 | 1221.3 | 1205.0 |
| 10° | 1443.0 | 1446.5 | 1440.9 | 1440.0 | 1418.1 | 1404.3 | 1376.7 | 1353.5 | 1326.8 | 1297.1 | 1270.0 |
| 12.5° | 1560.1 | 1553.3 | 1551.1 | 1528.3 | 1528.7 | 1500.7 | 1467.6 | 1443.5 | 1398.7 | 1363.4 | 1325.1 |
| 15° | 1674.7 | 1665.2 | 1659.2 | 1633.8 | 1621.3 | 1586.4 | 1552.4 | 1526.1 | 1472.3 | 1421.1 | 1382.3 |
| 17.5° | 1741.0 | 1752.6 | 1737.1 | 1726.7 | 1692.7 | 1669.9 | 1635.9 | 1582.1 | 1542.1 | 1478.3 | 1434.0 |
| 20° | 1814.1 | 1815.0 | 1807.2 | 1796.5 | 1771.1 | 1740.1 | 1702.2 | 1641.9 | 1591.6 | 1528.3 | 1461.1 |
| 22.5° | 1833.9 | 1833.9 | 1831.8 | 1821.9 | 1804.2 | 1780.6 | 1742.2 | 1694.5 | 1630.7 | 1560.6 | 1493.4 |
| 25° | 1778.0 | 1776.3 | 1780.1 | 1791.3 | 1784.0 | 1776.3 | 1754.3 | 1716.8 | 1660.0 | 1587.3 | 1514.9 |
| 27.5° | 1619.6 | 1630.7 | 1654.0 | 1681.5 | 1701.3 | 1719.0 | 1717.7 | 1701.8 | 1661.3 | 1598.5 | 1521.4 |
| 30° | 1445.6 | 1460.3 | 1476.6 | 1504.2 | 1557.6 | 1588.1 | 1621.7 | 1647.1 | 1632.9 | 1585.1 | 1514.5 |
| 32.5° | 1254.5 | 1255.3 | 1281.6 | 1313.9 | 1361.7 | 1427.5 | 1485.7 | 1543.8 | 1568.8 | 1549.4 | 1493.4 |
| 35° | 1051.3 | 1057.3 | 1083.6 | 1114.6 | 1174.4 | 1246.3 | 1326.4 | 1397.8 | 1456.8 | 1480.5 | 1450.4 |
| 37.5° | 880.8 | 899.8 | 919.6 | 954.9 | 1009.5 | 1074.5 | 1160.6 | 1249.7 | 1336.3 | 1388.8 | 1394.4 |
| 40° | 766.3 | 777.1 | 790.4 | 815.8 | 860.6 | 924.3 | 995.8 | 1101.7 | 1195.1 | 1279.5 | 1307.0 |
| 42.5° | 675.9 | 681.1 | 687.9 | 710.3 | 741.8 | 805.0 | 868.8 | 958.7 | 1052.6 | 1157.6 | 1208.4 |
| 45° | 589.8 | 596.2 | 610.0 | 623.4 | 649.2 | 693.1 | 753.8 | 830.4 | 924.7 | 1022.0 | 1107.3 |
| 47.5° | 525.2 | 529.5 | 538.1 | 552.8 | 576.0 | 605.7 | 657.4 | 722.4 | 814.5 | 908.8 | 1000.1 |
| 50° | 471.8 | 475.3 | 481.7 | 494.6 | 511.4 | 537.3 | 577.7 | 637.6 | 706.0 | 801.2 | 890.3 |
| 52.5° | 429.6 | 430.5 | 434.8 | 442.6 | 455.0 | 475.7 | 507.1 | 554.1 | 616.5 | 698.7 | 787.4 |
| 55° | 385.7 | 387.5 | 391.8 | 398.2 | 409.8 | 423.6 | 449.0 | 486.0 | 541.6 | 615.2 | 692.2 |
| 57.5° | 349.6 | 351.3 | 354.7 | 357.3 | 367.6 | 379.3 | 399.9 | 426.6 | 470.1 | 535.5 | 605.7 |
| 60° | 315.1 | 314.3 | 318.6 | 320.7 | 327.2 | 336.7 | 351.7 | 377.1 | 413.7 | 464.1 | 527.4 |
| 62.5° | 281.5 | 280.3 | 283.7 | 286.7 | 289.7 | 297.5 | 309.1 | 327.6 | 355.6 | 399.9 | 452.5 |
| 65° | 248.0 | 246.2 | 248.4 | 251.8 | 255.3 | 259.6 | 268.6 | 286.3 | 310.0 | 342.7 | 384.4 |
| 67.5° | 213.5 | 215.7 | 215.7 | 217.8 | 220.0 | 226.0 | 232.5 | 246.2 | 263.0 | 289.7 | 326.8 |
| 70° | 183.4 | 183.8 | 185.5 | 185.5 | 186.8 | 192.0 | 197.2 | 204.5 | 220.8 | 245.0 | 273.8 |
| 72.5° | 153.3 | 155.4 | 154.1 | 155.8 | 156.7 | 159.7 | 163.2 | 170.0 | 183.4 | 199.8 | 223.0 |
| 75° | 124.0 | 125.3 | 125.3 | 125.7 | 127.0 | 128.3 | 131.3 | 136.5 | 146.4 | 159.7 | 176.5 |
| 77.5° | 95.6 | 95.6 | 96.4 | 98.2 | 98.2 | 100.3 | 102.9 | 106.8 | 112.4 | 122.3 | 133.0 |
| 80° | 69.7 | 70.6 | 70.2 | 71.0 | 71.0 | 72.8 | 73.6 | 78.8 | 80.9 | 87.0 | 95.1 |
| 82.5° | 46.5 | 47.4 | 47.4 | 48.6 | 49.5 | 49.5 | 50.8 | 52.1 | 54.2 | 59.4 | 61.6 |
| 85° | 25.8 | 26.7 | 25.8 | 26.7 | 28.0 | 28.4 | 29.7 | 30.1 | 31.9 | 33.1 | 36.2 |
| 87.5° | 9.5 | 10.8 | 10.8 | 11.2 | 12.1 | 12.5 | 12.9 | 12.5 | 14.2 | 14.6 | 16.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334117

CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 |
| 2.5° | 1081.0 | 1075.0 | 1070.7 | 1067.2 | 1057.7 | 1052.1 | 1047.8 | 1041.8 | 1034.9 | 1027.6 | 1018.6 |
| 5° | 1133.5 | 1118.9 | 1108.1 | 1091.8 | 1076.3 | 1063.3 | 1050.0 | 1037.9 | 1023.3 | 1007.4 | 995.8 |
| 7.5° | 1187.3 | 1167.1 | 1140.0 | 1118.9 | 1093.5 | 1071.5 | 1052.1 | 1031.9 | 1010.4 | 989.7 | 970.4 |
| 10° | 1238.1 | 1210.1 | 1179.1 | 1142.6 | 1108.1 | 1077.5 | 1049.1 | 1021.6 | 994.9 | 968.2 | 945.4 |
| 12.5° | 1292.8 | 1256.2 | 1206.7 | 1162.4 | 1122.8 | 1079.3 | 1043.5 | 1008.2 | 974.7 | 946.2 | 918.7 |
| 15° | 1340.6 | 1290.2 | 1237.3 | 1180.0 | 1129.2 | 1081.4 | 1034.5 | 991.9 | 955.7 | 918.7 | 892.9 |
| 17.5° | 1370.7 | 1308.3 | 1251.5 | 1191.6 | 1133.1 | 1073.2 | 1024.6 | 976.8 | 932.0 | 895.9 | 863.6 |
| 20° | 1400.4 | 1338.4 | 1263.1 | 1203.3 | 1130.1 | 1068.1 | 1009.5 | 954.9 | 907.5 | 868.3 | 834.7 |
| 22.5° | 1426.3 | 1352.2 | 1276.9 | 1193.4 | 1120.6 | 1053.9 | 988.4 | 933.3 | 884.7 | 842.9 | 811.1 |
| 25° | 1432.3 | 1350.1 | 1268.3 | 1189.9 | 1107.3 | 1029.3 | 971.2 | 906.6 | 855.0 | 811.5 | 777.1 |
| 27.5° | 1434.4 | 1347.5 | 1256.6 | 1171.4 | 1086.2 | 1015.1 | 939.4 | 883.0 | 829.6 | 783.5 | 750.8 |
| 30° | 1429.7 | 1338.0 | 1238.6 | 1144.3 | 1058.6 | 979.8 | 916.1 | 853.3 | 798.6 | 752.9 | 718.5 |
| 32.5° | 1414.6 | 1318.2 | 1215.3 | 1114.1 | 1024.6 | 948.0 | 881.7 | 822.7 | 769.7 | 725.0 | 688.4 |
| 35° | 1382.8 | 1288.5 | 1179.6 | 1075.8 | 985.0 | 907.1 | 847.7 | 787.0 | 733.6 | 691.0 | 656.1 |
| 37.5° | 1340.2 | 1252.3 | 1141.7 | 1033.6 | 946.2 | 867.0 | 807.2 | 751.2 | 703.0 | 659.1 | 622.9 |
| 40° | 1280.7 | 1205.8 | 1094.8 | 990.2 | 893.7 | 819.2 | 764.1 | 713.8 | 666.0 | 625.1 | 591.1 |
| 42.5° | 1212.3 | 1149.4 | 1049.1 | 936.8 | 844.6 | 769.7 | 716.4 | 672.4 | 628.1 | 591.1 | 557.1 |
| 45° | 1128.3 | 1085.3 | 988.9 | 886.4 | 789.5 | 718.9 | 667.7 | 628.1 | 590.2 | 553.2 | 524.8 |
| 47.5° | 1034.9 | 1010.8 | 926.9 | 828.7 | 735.7 | 665.1 | 620.8 | 582.9 | 548.5 | 516.2 | 490.8 |
| 50° | 940.6 | 930.3 | 860.1 | 766.3 | 678.5 | 613.0 | 568.3 | 536.8 | 508.4 | 480.9 | 457.2 |
| 52.5° | 847.7 | 849.8 | 788.3 | 704.3 | 624.7 | 562.2 | 517.9 | 489.1 | 465.4 | 444.3 | 423.6 |
| 55° | 752.5 | 764.6 | 715.1 | 638.4 | 565.7 | 508.9 | 468.8 | 442.6 | 425.3 | 406.8 | 390.9 |
| 57.5° | 665.1 | 685.4 | 642.3 | 572.1 | 510.6 | 456.3 | 421.0 | 400.8 | 381.9 | 369.8 | 357.3 |
| 60° | 579.9 | 598.8 | 567.0 | 510.1 | 452.9 | 408.1 | 375.0 | 357.3 | 341.4 | 333.6 | 325.5 |
| 62.5° | 504.1 | 520.5 | 499.0 | 447.3 | 399.5 | 356.9 | 330.2 | 313.4 | 303.9 | 295.3 | 290.6 |
| 65° | 432.7 | 446.9 | 426.6 | 388.3 | 345.7 | 311.3 | 288.4 | 275.1 | 264.8 | 261.3 | 255.3 |
| 67.5° | 362.1 | 375.0 | 364.2 | 330.6 | 294.5 | 267.3 | 249.3 | 235.1 | 229.0 | 225.6 | 221.7 |
| 70° | 300.5 | 313.4 | 301.8 | 273.4 | 247.1 | 225.2 | 208.4 | 201.0 | 194.6 | 193.3 | 187.3 |
| 72.5° | 248.4 | 256.1 | 244.5 | 223.9 | 202.3 | 184.7 | 172.6 | 164.9 | 162.3 | 159.7 | 157.1 |
| 75° | 194.2 | 201.9 | 194.2 | 176.9 | 161.0 | 148.1 | 136.9 | 133.9 | 130.0 | 128.7 | 126.6 |
| 77.5° | 145.5 | 152.8 | 146.8 | 135.2 | 122.7 | 111.9 | 105.5 | 101.2 | 100.7 | 98.2 | 99.0 |
| 80° | 105.0 | 109.3 | 103.8 | 96.4 | 87.0 | 80.1 | 75.8 | 73.6 | 71.0 | 70.2 | 71.9 |
| 82.5° | 68.0 | 69.3 | 67.2 | 62.9 | 56.4 | 52.5 | 49.9 | 47.4 | 47.4 | 47.8 | 47.4 |
| 85° | 39.2 | 38.7 | 38.3 | 34.0 | 31.9 | 28.8 | 27.1 | 26.7 | 26.3 | 27.1 | 28.0 |
| 87.5° | 16.4 | 16.8 | 16.4 | 14.6 | 13.3 | 12.1 | 11.6 | 11.2 | 11.6 | 12.1 | 12.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334117
 CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 | 1039.2 |
| 2.5° | 1014.3 | 1010.4 | 1004.8 | 997.0 | 990.6 | 983.7 | 982.0 | 979.4 | 984.6 | 980.3 | 979.0 |
| 5° | 985.9 | 976.8 | 965.2 | 951.8 | 944.1 | 932.9 | 930.7 | 926.4 | 922.1 | 921.7 | 917.4 |
| 7.5° | 956.1 | 943.7 | 929.0 | 915.2 | 903.2 | 891.1 | 883.4 | 882.5 | 875.6 | 872.2 | 867.9 |
| 10° | 927.7 | 911.4 | 893.7 | 880.8 | 866.2 | 853.3 | 844.2 | 839.0 | 834.7 | 830.0 | 825.7 |
| 12.5° | 894.2 | 876.5 | 862.7 | 848.5 | 830.4 | 821.4 | 805.0 | 795.1 | 795.1 | 796.4 | 783.5 |
| 15° | 869.6 | 852.4 | 830.0 | 810.2 | 800.7 | 781.8 | 773.6 | 763.3 | 756.8 | 750.4 | 745.2 |
| 17.5° | 839.5 | 818.4 | 801.2 | 778.8 | 761.1 | 746.9 | 735.7 | 730.1 | 719.8 | 710.3 | 703.9 |
| 20° | 811.5 | 788.7 | 770.2 | 746.1 | 726.3 | 707.7 | 698.7 | 690.1 | 682.8 | 675.0 | 667.7 |
| 22.5° | 783.1 | 759.0 | 735.3 | 712.1 | 694.0 | 674.2 | 665.6 | 653.1 | 646.2 | 642.7 | 635.4 |
| 25° | 752.9 | 727.1 | 701.3 | 678.9 | 660.0 | 642.7 | 631.1 | 622.1 | 614.3 | 610.9 | 606.1 |
| 27.5° | 720.2 | 694.8 | 670.3 | 644.5 | 622.5 | 610.0 | 600.6 | 593.2 | 588.5 | 583.3 | 581.2 |
| 30° | 689.2 | 662.5 | 635.9 | 612.2 | 592.4 | 579.9 | 571.3 | 566.5 | 563.1 | 560.9 | 558.8 |
| 32.5° | 657.8 | 631.5 | 603.1 | 582.0 | 564.8 | 554.1 | 548.0 | 543.3 | 542.0 | 541.6 | 541.1 |
| 35° | 623.8 | 597.1 | 571.3 | 551.9 | 535.1 | 530.8 | 525.2 | 522.6 | 521.8 | 524.8 | 526.1 |
| 37.5° | 591.1 | 566.1 | 542.0 | 522.6 | 511.4 | 504.5 | 502.4 | 502.0 | 505.0 | 507.6 | 510.6 |
| 40° | 559.7 | 535.5 | 513.2 | 496.8 | 486.5 | 482.6 | 481.7 | 483.9 | 487.3 | 490.3 | 493.8 |
| 42.5° | 529.1 | 505.4 | 485.6 | 470.5 | 464.1 | 460.6 | 461.5 | 463.7 | 468.8 | 472.7 | 478.3 |
| 45° | 497.2 | 477.4 | 457.6 | 445.1 | 439.1 | 440.0 | 440.0 | 443.8 | 448.6 | 454.2 | 459.8 |
| 47.5° | 467.5 | 447.3 | 430.5 | 419.7 | 416.7 | 415.4 | 417.6 | 422.8 | 429.2 | 435.7 | 443.4 |
| 50° | 437.4 | 418.4 | 404.2 | 394.8 | 391.3 | 392.6 | 396.1 | 400.8 | 409.0 | 417.6 | 425.8 |
| 52.5° | 406.8 | 390.0 | 377.1 | 368.5 | 366.4 | 368.9 | 372.4 | 380.6 | 387.5 | 396.9 | 407.3 |
| 55° | 375.0 | 360.3 | 350.0 | 343.5 | 342.7 | 344.0 | 347.8 | 356.0 | 366.4 | 378.0 | 387.5 |
| 57.5° | 343.5 | 331.1 | 321.2 | 316.4 | 316.8 | 317.7 | 323.7 | 333.6 | 344.0 | 356.5 | 368.5 |
| 60° | 311.7 | 300.5 | 292.7 | 289.3 | 289.7 | 292.3 | 300.1 | 309.1 | 322.9 | 334.9 | 347.8 |
| 62.5° | 281.5 | 272.1 | 264.8 | 261.7 | 260.9 | 267.3 | 274.7 | 284.1 | 297.9 | 311.7 | 325.9 |
| 65° | 248.8 | 241.1 | 235.1 | 233.3 | 234.6 | 238.9 | 248.4 | 260.9 | 272.5 | 286.7 | 301.4 |
| 67.5° | 217.0 | 210.5 | 206.2 | 207.1 | 208.4 | 214.4 | 222.6 | 233.3 | 246.2 | 260.9 | 276.0 |
| 70° | 186.8 | 180.8 | 177.4 | 177.8 | 180.4 | 188.1 | 195.0 | 205.8 | 220.0 | 235.1 | 247.1 |
| 72.5° | 155.8 | 152.4 | 149.4 | 151.5 | 154.1 | 158.9 | 167.9 | 178.7 | 190.7 | 204.5 | 217.4 |
| 75° | 124.4 | 124.4 | 122.7 | 124.0 | 127.9 | 133.0 | 139.5 | 150.7 | 163.2 | 174.4 | 184.7 |
| 77.5° | 97.7 | 96.4 | 97.3 | 98.6 | 101.2 | 107.6 | 114.9 | 123.1 | 133.0 | 144.6 | 153.3 |
| 80° | 70.6 | 71.0 | 73.2 | 75.8 | 76.6 | 81.4 | 89.1 | 96.4 | 103.8 | 113.2 | 121.4 |
| 82.5° | 48.6 | 49.1 | 49.9 | 53.4 | 54.2 | 59.4 | 63.7 | 71.0 | 77.5 | 83.1 | 89.5 |
| 85° | 28.8 | 28.8 | 31.0 | 32.3 | 34.4 | 37.9 | 40.9 | 45.2 | 51.2 | 55.5 | 62.0 |
| 87.5° | 13.8 | 13.8 | 15.5 | 16.4 | 17.7 | 19.8 | 20.7 | 25.4 | 27.1 | 29.3 | 33.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P334117

CATALOG NUMBER: SA4XXDP-C795D935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1039.2 | 1039.2 | 1039.2 | 1039.2 |
| 2.5° | 978.1 | 977.2 | 974.2 | 973.8 |
| 5° | 914.8 | 912.7 | 911.4 | 916.1 |
| 7.5° | 867.0 | 865.3 | 861.4 | 860.1 |
| 10° | 821.4 | 819.7 | 816.2 | 815.4 |
| 12.5° | 777.5 | 773.6 | 773.6 | 774.9 |
| 15° | 739.6 | 737.9 | 733.1 | 734.4 |
| 17.5° | 700.9 | 699.1 | 692.7 | 699.1 |
| 20° | 664.7 | 661.3 | 658.2 | 657.8 |
| 22.5° | 630.3 | 627.2 | 627.7 | 624.2 |
| 25° | 602.7 | 599.7 | 598.8 | 596.7 |
| 27.5° | 580.3 | 578.6 | 576.9 | 577.7 |
| 30° | 560.1 | 559.7 | 558.8 | 558.8 |
| 32.5° | 543.3 | 543.3 | 544.2 | 544.2 |
| 35° | 527.8 | 529.1 | 529.9 | 528.7 |
| 37.5° | 514.0 | 514.9 | 516.2 | 517.5 |
| 40° | 497.7 | 500.7 | 501.5 | 503.7 |
| 42.5° | 482.2 | 485.6 | 488.2 | 488.2 |
| 45° | 466.2 | 469.7 | 472.7 | 472.7 |
| 47.5° | 449.9 | 454.6 | 457.6 | 458.1 |
| 50° | 433.1 | 439.1 | 442.1 | 444.3 |
| 52.5° | 416.7 | 422.8 | 427.1 | 427.9 |
| 55° | 397.4 | 406.0 | 410.7 | 412.4 |
| 57.5° | 380.1 | 387.9 | 393.0 | 394.3 |
| 60° | 359.5 | 368.1 | 375.0 | 376.3 |
| 62.5° | 338.4 | 347.4 | 353.4 | 357.3 |
| 65° | 313.4 | 322.4 | 328.5 | 329.8 |
| 67.5° | 287.1 | 296.6 | 300.5 | 303.1 |
| 70° | 259.2 | 266.5 | 270.8 | 272.9 |
| 72.5° | 227.3 | 235.1 | 240.2 | 240.2 |
| 75° | 194.6 | 201.5 | 204.1 | 204.1 |
| 77.5° | 160.6 | 164.5 | 167.9 | 168.8 |
| 80° | 127.9 | 130.0 | 132.6 | 132.6 |
| 82.5° | 94.3 | 96.0 | 98.6 | 98.2 |
| 85° | 61.1 | 65.0 | 64.6 | 63.7 |
| 87.5° | 34.4 | 34.9 | 36.2 | 37.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)