

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: P332606-930

Luminaire Tested: **SA4XXDIP-C795D810U930-4F0-1E-UDD-F4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332606-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

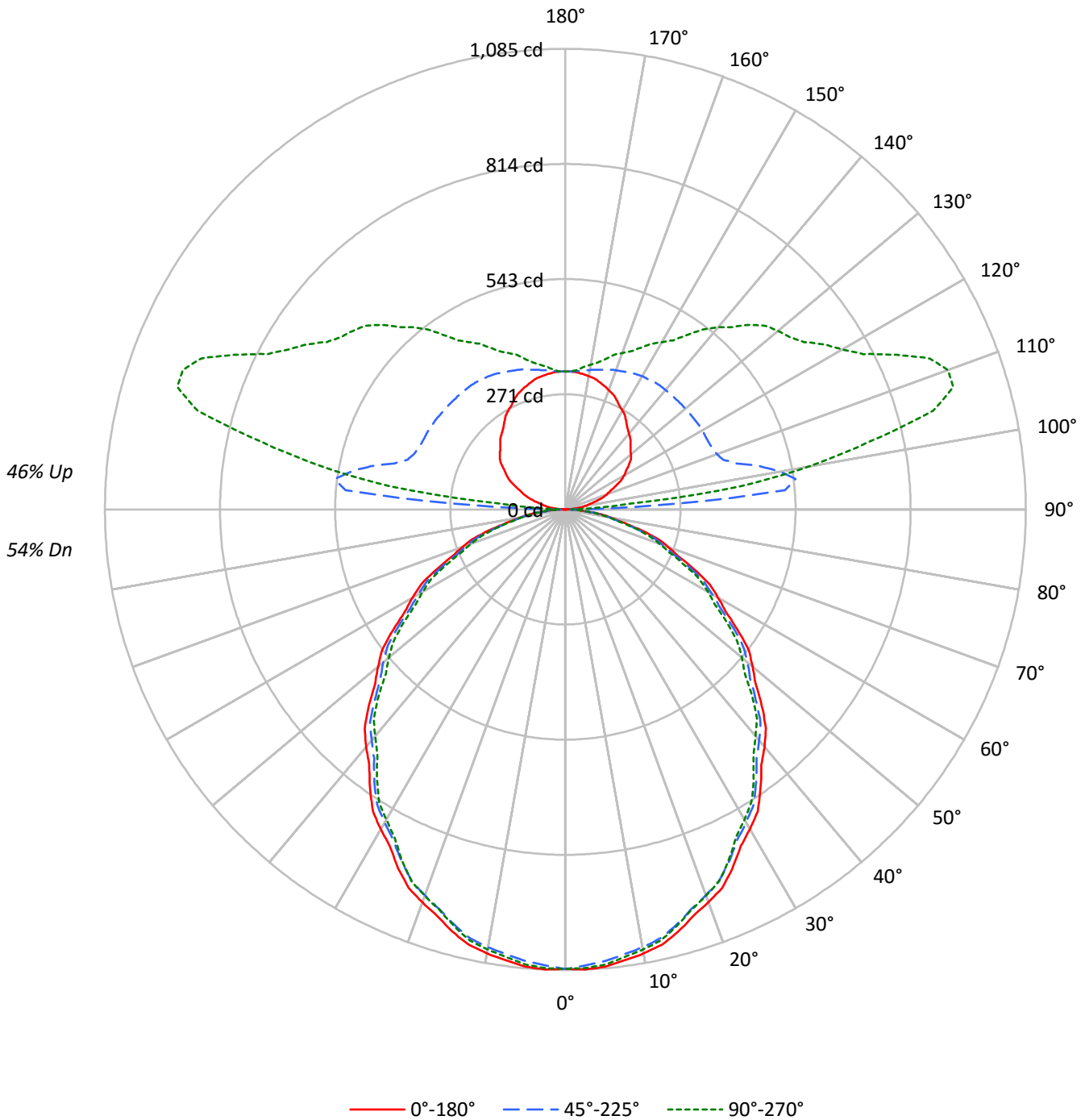
Lumens per Lamp: N/A
Luminaire Lumens: 5139.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

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: P332606-930
CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332606-930

CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 72 | 72 | 72 | 60 | 60 | 60 | 54 | | | | |
| 1 | 99 | 94 | 90 | 87 | 91 | 88 | 84 | 81 | 75 | 73 | 70 | 63 | 62 | 60 | 53 | 52 | 50 | 45 | | | | |
| 2 | 90 | 82 | 76 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 56 | 53 | 50 | 46 | 44 | 42 | 38 | | | | |
| 3 | 82 | 72 | 65 | 59 | 76 | 67 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 42 | 41 | 38 | 36 | 32 | | | | |
| 4 | 75 | 64 | 56 | 50 | 69 | 60 | 53 | 47 | 52 | 46 | 42 | 44 | 40 | 36 | 37 | 34 | 31 | 28 | | | | |
| 5 | 69 | 57 | 49 | 43 | 64 | 53 | 46 | 41 | 46 | 40 | 36 | 39 | 35 | 32 | 33 | 30 | 27 | 24 | | | | |
| 6 | 63 | 51 | 43 | 37 | 59 | 48 | 41 | 35 | 42 | 36 | 31 | 36 | 31 | 28 | 30 | 27 | 24 | 21 | | | | |
| 7 | 59 | 46 | 38 | 33 | 54 | 43 | 36 | 31 | 38 | 32 | 28 | 32 | 28 | 24 | 28 | 24 | 21 | 19 | | | | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 | | | | |
| 9 | 51 | 38 | 31 | 26 | 47 | 36 | 29 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 23 | 20 | 17 | 15 | | | | |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8737 | 8737 | 8737 |
| 5° | 8763 | 8658 | 8721 |
| 10° | 8708 | 8588 | 8630 |
| 15° | 8603 | 8466 | 8487 |
| 20° | 8463 | 8314 | 8322 |
| 25° | 8304 | 8141 | 8118 |
| 30° | 8108 | 7938 | 7866 |
| 35° | 7906 | 7727 | 7624 |
| 40° | 7695 | 7484 | 7347 |
| 45° | 7476 | 7247 | 7108 |
| 50° | 7232 | 7036 | 6818 |
| 55° | 6970 | 6763 | 6542 |
| 60° | 6707 | 6455 | 6260 |
| 65° | 6411 | 6162 | 5914 |
| 70° | 6080 | 5773 | 5549 |
| 75° | 5571 | 5303 | 5168 |
| 80° | 4956 | 4756 | 4635 |
| 85° | 4335 | 4177 | 4094 |



TEST NUMBER: P332606-930

CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.9 | 2.0 |
| 10°-20° | 287.2 | 5.6 |
| 20°-30° | 422.7 | 8.2 |
| 30°-40° | 491.4 | 9.6 |
| 40°-50° | 491.4 | 9.6 |
| 50°-60° | 429.8 | 8.4 |
| 60°-70° | 319.2 | 6.2 |
| 70°-80° | 181.4 | 3.5 |
| 80°-90° | 54.1 | 1.1 |
| 90°-100° | 234.4 | 4.6 |
| 100°-110° | 487.8 | 9.5 |
| 110°-120° | 436.9 | 8.5 |
| 120°-130° | 367.5 | 7.2 |
| 130°-140° | 306.4 | 6.0 |
| 140°-150° | 234.1 | 4.6 |
| 150°-160° | 164.6 | 3.2 |
| 160°-170° | 96.8 | 1.9 |
| 170°-180° | 31.5 | 0.6 |
| 0°-30° | 811.8 | 15.8 |
| 0°-40° | 1303.1 | 25.4 |
| 0°-60° | 2224.4 | 43.3 |
| 0°-90° | 2779.1 | 54.1 |
| 90°-120° | 1159.1 | 22.6 |
| 90°-150° | 2067.1 | 40.2 |
| 90°-180° | 2360.0 | 45.9 |
| 0°-180° | 5139.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1082 | 1082 | 1082 | 1082 | 1082 | |
| 5° | 1081 | 1078 | 1068 | 1077 | 1076 | 103 |
| 15° | 1029 | 1025 | 1013 | 1018 | 1016 | 290 |
| 25° | 932 | 926 | 914 | 915 | 911 | 429 |
| 35° | 802 | 796 | 784 | 778 | 774 | 501 |
| 45° | 655 | 648 | 635 | 626 | 623 | 505 |
| 55° | 495 | 492 | 480 | 470 | 465 | 443 |
| 65° | 336 | 331 | 323 | 314 | 310 | 332 |
| 75° | 179 | 174 | 170 | 167 | 166 | 190 |
| 85° | 47 | 47 | 45 | 45 | 44 | 52 |
| 90° | 1 | 5 | 12 | 13 | 13 | 4 |
| 95° | 21 | 66 | 520 | 257 | 156 | 24 |
| 105° | 75 | 108 | 418 | 900 | 897 | 80 |
| 115° | 131 | 165 | 373 | 716 | 861 | 130 |
| 125° | 183 | 217 | 371 | 610 | 687 | 163 |
| 135° | 217 | 259 | 368 | 541 | 615 | 168 |
| 145° | 250 | 287 | 366 | 456 | 502 | 157 |
| 155° | 285 | 308 | 356 | 403 | 420 | 131 |
| 165° | 310 | 320 | 341 | 361 | 367 | 88 |
| 175° | 324 | 324 | 327 | 332 | 330 | 31 |
| 180° | 324 | 324 | 324 | 324 | 324 | |



TEST NUMBER: P332606-930

CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 |
| 2.5° | 1085.1 | 1084.6 | 1084.1 | 1083.7 | 1083.2 | 1082.1 | 1080.4 | 1078.7 | 1077.0 | 1075.4 | 1076.8 |
| 5° | 1081.4 | 1080.7 | 1079.9 | 1079.1 | 1078.3 | 1076.8 | 1074.7 | 1072.6 | 1070.5 | 1068.4 | 1070.5 |
| 7.5° | 1071.4 | 1070.6 | 1069.8 | 1069.0 | 1068.3 | 1066.7 | 1064.4 | 1062.0 | 1059.6 | 1057.3 | 1059.0 |
| 10° | 1062.3 | 1061.6 | 1060.8 | 1060.1 | 1059.2 | 1057.6 | 1055.1 | 1052.6 | 1050.1 | 1047.6 | 1049.1 |
| 12.5° | 1050.5 | 1049.8 | 1049.0 | 1048.2 | 1047.5 | 1045.7 | 1043.1 | 1040.4 | 1037.8 | 1035.1 | 1036.8 |
| 15° | 1029.4 | 1028.6 | 1027.8 | 1027.0 | 1026.3 | 1024.5 | 1021.6 | 1018.7 | 1015.8 | 1012.9 | 1014.1 |
| 17.5° | 1003.9 | 1002.9 | 1001.9 | 1001.0 | 1000.0 | 998.2 | 995.5 | 992.7 | 989.9 | 987.2 | 988.0 |
| 20° | 985.1 | 984.1 | 983.3 | 982.3 | 981.3 | 979.3 | 976.5 | 973.5 | 970.7 | 967.8 | 968.4 |
| 22.5° | 965.1 | 963.8 | 962.5 | 961.2 | 959.9 | 957.9 | 955.0 | 952.1 | 949.2 | 946.3 | 947.4 |
| 25° | 932.2 | 930.9 | 929.5 | 928.2 | 926.8 | 924.8 | 922.1 | 919.4 | 916.7 | 914.0 | 914.2 |
| 27.5° | 894.8 | 893.4 | 892.0 | 890.6 | 889.2 | 887.3 | 884.8 | 882.3 | 879.8 | 877.3 | 876.8 |
| 30° | 869.8 | 868.3 | 866.7 | 865.2 | 863.6 | 861.6 | 859.1 | 856.6 | 854.1 | 851.6 | 850.8 |
| 32.5° | 843.4 | 842.0 | 840.7 | 839.3 | 837.9 | 835.8 | 833.2 | 830.5 | 827.9 | 825.2 | 824.3 |
| 35° | 802.2 | 800.8 | 799.5 | 798.1 | 796.8 | 794.8 | 792.1 | 789.4 | 786.7 | 784.0 | 782.6 |
| 37.5° | 758.6 | 757.4 | 756.2 | 755.0 | 753.7 | 751.6 | 748.8 | 745.8 | 743.0 | 740.0 | 738.6 |
| 40° | 730.2 | 728.6 | 727.1 | 725.5 | 724.0 | 721.8 | 718.9 | 716.0 | 713.1 | 710.2 | 708.3 |
| 42.5° | 699.7 | 698.7 | 697.8 | 696.9 | 695.9 | 693.9 | 690.7 | 687.5 | 684.3 | 681.1 | 678.9 |
| 45° | 654.8 | 653.4 | 652.1 | 650.7 | 649.4 | 647.1 | 644.1 | 641.0 | 637.9 | 634.8 | 632.7 |
| 47.5° | 607.7 | 606.8 | 605.9 | 605.0 | 604.1 | 602.2 | 599.3 | 596.5 | 593.6 | 590.8 | 588.3 |
| 50° | 575.8 | 575.0 | 574.3 | 573.5 | 572.7 | 571.0 | 568.3 | 565.7 | 562.9 | 560.2 | 557.5 |
| 52.5° | 544.6 | 543.7 | 542.7 | 541.8 | 540.9 | 539.0 | 536.1 | 533.3 | 530.4 | 527.6 | 525.2 |
| 55° | 495.2 | 494.6 | 494.0 | 493.4 | 492.8 | 491.2 | 488.5 | 485.8 | 483.1 | 480.5 | 478.1 |
| 57.5° | 448.0 | 447.4 | 446.7 | 446.1 | 445.4 | 443.7 | 441.1 | 438.4 | 435.8 | 433.1 | 430.9 |
| 60° | 415.4 | 414.4 | 413.4 | 412.5 | 411.6 | 409.8 | 407.3 | 404.8 | 402.3 | 399.8 | 398.0 |
| 62.5° | 383.5 | 382.7 | 381.9 | 381.1 | 380.3 | 378.5 | 375.9 | 373.2 | 370.6 | 367.9 | 366.3 |
| 65° | 335.6 | 334.7 | 333.7 | 332.7 | 331.7 | 330.3 | 328.4 | 326.4 | 324.5 | 322.6 | 320.7 |
| 67.5° | 287.4 | 286.5 | 285.6 | 284.7 | 283.9 | 282.5 | 280.6 | 278.8 | 277.0 | 275.1 | 273.2 |
| 70° | 257.6 | 256.2 | 254.9 | 253.5 | 252.2 | 250.7 | 249.2 | 247.6 | 246.1 | 244.6 | 243.0 |
| 72.5° | 225.7 | 224.3 | 223.0 | 221.6 | 220.2 | 219.0 | 217.8 | 216.5 | 215.2 | 214.0 | 212.8 |
| 75° | 178.6 | 177.7 | 176.8 | 175.8 | 174.8 | 173.8 | 172.8 | 171.9 | 171.0 | 170.0 | 169.2 |
| 77.5° | 133.7 | 133.3 | 132.9 | 132.5 | 132.0 | 131.4 | 130.5 | 129.7 | 128.8 | 128.0 | 127.8 |
| 80° | 106.6 | 106.1 | 105.5 | 104.9 | 104.4 | 103.9 | 103.5 | 103.1 | 102.7 | 102.3 | 101.9 |
| 82.5° | 80.3 | 80.1 | 79.7 | 79.5 | 79.2 | 79.1 | 79.0 | 78.9 | 78.8 | 78.8 | 78.5 |
| 85° | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.6 | 46.2 | 45.9 | 45.5 | 45.1 | 45.1 |
| 87.5° | 18.2 | 18.3 | 18.5 | 18.5 | 18.4 | 18.3 | 18.9 | 18.8 | 18.8 | 18.9 | 18.8 |
| 90° | 0.7 | 1.9 | 3.8 | 4.5 | 5.1 | 5.1 | 8.9 | 8.9 | 10.2 | 11.5 | 10.8 |
| 92.5° | 7.3 | 10.6 | 16.6 | 24.4 | 33.7 | 46.9 | 79.3 | 128.7 | 177.0 | 202.2 | 168.4 |
| 95° | 21.0 | 22.9 | 29.4 | 37.6 | 52.9 | 79.7 | 135.2 | 239.7 | 392.1 | 519.6 | 534.3 |
| 97.5° | 37.7 | 37.7 | 43.2 | 50.9 | 64.0 | 86.4 | 129.1 | 215.5 | 367.0 | 547.2 | 671.2 |
| 100° | 48.4 | 48.4 | 52.9 | 60.6 | 72.6 | 93.1 | 130.7 | 202.8 | 332.8 | 512.6 | 675.7 |
| 102.5° | 58.6 | 59.7 | 63.6 | 70.8 | 82.3 | 101.7 | 135.7 | 199.2 | 309.8 | 469.2 | 637.5 |
| 105° | 74.6 | 76.5 | 79.7 | 87.3 | 98.8 | 117.3 | 147.9 | 200.8 | 290.1 | 418.2 | 568.0 |
| 107.5° | 92.2 | 93.4 | 96.6 | 104.8 | 115.8 | 134.0 | 162.1 | 210.3 | 286.5 | 389.6 | 511.9 |
| 110° | 104.0 | 105.2 | 108.4 | 116.0 | 127.5 | 144.7 | 172.8 | 217.4 | 287.5 | 379.9 | 483.9 |



TEST NUMBER: P332606-930

CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 115.1 | 116.4 | 120.1 | 127.3 | 138.7 | 156.0 | 183.0 | 225.0 | 290.6 | 375.4 | 468.1 |
| 115° | 131.3 | 133.2 | 137.7 | 144.1 | 156.2 | 173.4 | 198.9 | 237.2 | 296.4 | 372.9 | 453.2 |
| 117.5° | 148.1 | 149.9 | 153.9 | 160.9 | 172.3 | 190.1 | 214.3 | 249.5 | 302.7 | 372.3 | 446.6 |
| 120° | 159.4 | 160.6 | 165.1 | 172.1 | 183.0 | 200.8 | 225.0 | 258.2 | 307.3 | 372.3 | 443.0 |
| 122.5° | 169.6 | 170.9 | 175.3 | 181.8 | 193.6 | 211.0 | 235.2 | 266.4 | 311.9 | 371.8 | 439.0 |
| 125° | 183.0 | 185.5 | 189.3 | 196.3 | 208.5 | 226.3 | 249.2 | 278.6 | 318.8 | 371.0 | 432.2 |
| 127.5° | 194.9 | 196.9 | 201.5 | 209.5 | 222.1 | 240.1 | 262.3 | 289.2 | 324.2 | 369.7 | 423.1 |
| 130° | 201.5 | 204.0 | 209.1 | 218.7 | 230.8 | 249.2 | 270.9 | 295.8 | 328.3 | 369.1 | 417.6 |
| 132.5° | 208.1 | 210.1 | 216.8 | 225.8 | 239.0 | 256.4 | 278.1 | 302.4 | 331.9 | 368.6 | 412.5 |
| 135° | 217.4 | 220.0 | 226.3 | 237.2 | 250.5 | 267.1 | 288.1 | 311.1 | 337.2 | 367.9 | 404.8 |
| 137.5° | 226.7 | 229.1 | 236.1 | 246.5 | 260.3 | 276.1 | 295.8 | 317.2 | 340.4 | 367.7 | 398.2 |
| 140° | 233.3 | 235.2 | 242.2 | 253.1 | 266.4 | 281.8 | 300.9 | 321.3 | 343.0 | 367.2 | 394.6 |
| 142.5° | 240.4 | 242.4 | 248.9 | 259.2 | 272.1 | 286.9 | 305.5 | 324.3 | 345.0 | 367.2 | 391.6 |
| 145° | 250.5 | 252.4 | 258.9 | 267.7 | 279.9 | 293.9 | 310.5 | 327.7 | 346.2 | 365.9 | 386.3 |
| 147.5° | 261.9 | 262.5 | 268.2 | 277.3 | 287.4 | 300.0 | 315.6 | 330.6 | 346.8 | 363.6 | 381.6 |
| 150° | 269.0 | 269.7 | 274.8 | 282.4 | 292.0 | 304.1 | 318.1 | 332.2 | 346.8 | 362.1 | 378.1 |
| 152.5° | 275.7 | 275.8 | 280.9 | 288.0 | 296.6 | 307.7 | 320.2 | 333.1 | 345.8 | 359.5 | 374.0 |
| 155° | 284.9 | 285.6 | 289.4 | 295.8 | 302.8 | 312.3 | 323.2 | 334.0 | 344.2 | 355.7 | 367.9 |
| 157.5° | 294.0 | 294.0 | 297.6 | 302.6 | 308.7 | 316.2 | 325.4 | 334.0 | 342.6 | 351.8 | 361.6 |
| 160° | 299.6 | 299.6 | 302.1 | 306.6 | 311.8 | 318.8 | 326.4 | 334.0 | 341.0 | 348.7 | 357.0 |
| 162.5° | 304.8 | 304.2 | 306.2 | 310.2 | 314.8 | 320.2 | 327.4 | 334.0 | 339.6 | 345.7 | 352.9 |
| 165° | 310.5 | 310.5 | 311.8 | 315.0 | 318.1 | 322.0 | 327.7 | 332.8 | 336.6 | 341.0 | 346.2 |
| 167.5° | 316.2 | 315.6 | 316.2 | 318.6 | 320.4 | 323.3 | 327.6 | 331.3 | 333.5 | 336.5 | 340.1 |
| 170° | 318.8 | 318.1 | 318.8 | 320.7 | 322.0 | 323.8 | 327.0 | 330.2 | 331.5 | 333.4 | 336.0 |
| 172.5° | 321.3 | 320.7 | 320.8 | 322.2 | 322.9 | 324.3 | 326.5 | 329.2 | 329.5 | 330.4 | 332.4 |
| 175° | 323.8 | 323.2 | 323.2 | 323.8 | 324.5 | 324.5 | 325.8 | 327.7 | 327.0 | 327.0 | 328.3 |
| 177.5° | 325.0 | 324.5 | 324.0 | 324.5 | 324.5 | 324.5 | 325.0 | 326.0 | 325.0 | 325.0 | 325.5 |
| 180° | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 |



TEST NUMBER: P332606-930

CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 | 1082.3 |
| 2.5° | 1078.4 | 1079.9 | 1081.5 | 1082.2 | 1082.1 | 1081.9 | 1081.7 | 1081.6 |
| 5° | 1072.6 | 1074.7 | 1076.8 | 1077.7 | 1077.3 | 1077.0 | 1076.6 | 1076.2 |
| 7.5° | 1060.7 | 1062.4 | 1064.0 | 1064.8 | 1064.6 | 1064.4 | 1064.1 | 1063.9 |
| 10° | 1050.7 | 1052.2 | 1053.8 | 1054.3 | 1053.9 | 1053.5 | 1053.2 | 1052.8 |
| 12.5° | 1038.5 | 1040.2 | 1041.9 | 1042.4 | 1042.0 | 1041.4 | 1040.8 | 1040.3 |
| 15° | 1015.2 | 1016.4 | 1017.5 | 1017.8 | 1017.2 | 1016.7 | 1016.1 | 1015.5 |
| 17.5° | 988.7 | 989.4 | 990.2 | 990.3 | 989.9 | 989.5 | 989.2 | 988.8 |
| 20° | 969.0 | 969.6 | 970.1 | 970.2 | 969.8 | 969.5 | 969.1 | 968.7 |
| 22.5° | 948.4 | 949.4 | 950.5 | 950.6 | 949.9 | 949.3 | 948.5 | 947.9 |
| 25° | 914.4 | 914.6 | 914.8 | 914.5 | 913.8 | 913.0 | 912.2 | 911.4 |
| 27.5° | 876.4 | 875.9 | 875.4 | 874.7 | 873.8 | 872.8 | 871.8 | 870.8 |
| 30° | 850.0 | 849.3 | 848.5 | 847.7 | 846.7 | 845.7 | 844.7 | 843.8 |
| 32.5° | 823.4 | 822.5 | 821.6 | 820.6 | 819.6 | 818.6 | 817.7 | 816.8 |
| 35° | 781.3 | 779.9 | 778.5 | 777.4 | 776.4 | 775.5 | 774.5 | 773.6 |
| 37.5° | 737.1 | 735.6 | 734.3 | 732.9 | 731.6 | 730.3 | 729.0 | 727.7 |
| 40° | 706.4 | 704.5 | 702.5 | 701.1 | 700.1 | 699.2 | 698.2 | 697.2 |
| 42.5° | 676.6 | 674.4 | 672.1 | 670.7 | 670.1 | 669.4 | 668.8 | 668.1 |
| 45° | 630.6 | 628.4 | 626.3 | 625.0 | 624.4 | 623.8 | 623.2 | 622.6 |
| 47.5° | 586.0 | 583.6 | 581.1 | 579.3 | 577.8 | 576.3 | 574.9 | 573.4 |
| 50° | 554.8 | 552.1 | 549.4 | 547.5 | 546.3 | 545.2 | 544.0 | 542.9 |
| 52.5° | 522.9 | 520.4 | 518.0 | 516.2 | 514.7 | 513.2 | 511.8 | 510.3 |
| 55° | 475.8 | 473.5 | 471.2 | 469.4 | 468.3 | 467.2 | 465.9 | 464.8 |
| 57.5° | 428.7 | 426.5 | 424.3 | 422.7 | 421.5 | 420.4 | 419.3 | 418.2 |
| 60° | 396.3 | 394.6 | 392.8 | 391.5 | 390.5 | 389.6 | 388.6 | 387.7 |
| 62.5° | 364.7 | 363.1 | 361.6 | 360.3 | 359.3 | 358.3 | 357.4 | 356.4 |
| 65° | 318.8 | 316.8 | 314.9 | 313.5 | 312.5 | 311.5 | 310.5 | 309.6 |
| 67.5° | 271.4 | 269.5 | 267.7 | 266.6 | 266.4 | 266.1 | 265.8 | 265.5 |
| 70° | 241.5 | 239.9 | 238.4 | 237.3 | 236.8 | 236.2 | 235.6 | 235.1 |
| 72.5° | 211.6 | 210.3 | 209.1 | 208.2 | 207.6 | 207.0 | 206.4 | 205.9 |
| 75° | 168.4 | 167.6 | 166.9 | 166.4 | 166.2 | 166.0 | 165.8 | 165.7 |
| 77.5° | 127.5 | 127.3 | 127.1 | 126.7 | 126.2 | 125.7 | 125.2 | 124.7 |
| 80° | 101.6 | 101.2 | 100.8 | 100.5 | 100.3 | 100.1 | 100.0 | 99.7 |
| 82.5° | 78.3 | 78.0 | 77.8 | 77.6 | 77.5 | 77.2 | 77.0 | 76.8 |
| 85° | 45.1 | 45.1 | 45.1 | 45.0 | 44.8 | 44.6 | 44.4 | 44.2 |
| 87.5° | 18.9 | 19.1 | 19.2 | 19.2 | 19.3 | 19.5 | 19.3 | 19.3 |
| 90° | 11.5 | 12.1 | 12.7 | 12.7 | 13.4 | 14.0 | 13.4 | 13.4 |
| 92.5° | 125.2 | 94.2 | 75.0 | 62.2 | 54.7 | 51.3 | 49.1 | 49.1 |
| 95° | 472.4 | 373.6 | 288.1 | 226.3 | 195.1 | 175.3 | 163.9 | 155.6 |
| 97.5° | 697.9 | 661.2 | 598.8 | 532.3 | 486.6 | 448.2 | 429.0 | 415.8 |
| 100° | 768.8 | 781.5 | 750.3 | 703.2 | 647.7 | 608.8 | 589.7 | 584.6 |
| 102.5° | 765.2 | 828.5 | 837.6 | 817.9 | 783.9 | 755.7 | 735.6 | 731.5 |
| 105° | 714.0 | 824.3 | 887.4 | 913.5 | 914.8 | 909.7 | 900.8 | 897.0 |
| 107.5° | 641.2 | 758.6 | 847.5 | 904.3 | 935.9 | 950.4 | 956.8 | 958.4 |
| 110° | 597.4 | 707.6 | 800.1 | 870.2 | 915.4 | 942.2 | 953.7 | 959.4 |



TEST NUMBER: P332606-930

CATALOG NUMBER: SA4XXDIP-C795D810U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 565.2 | 662.8 | 750.1 | 820.2 | 871.6 | 904.0 | 920.1 | 929.4 |
| 115° | 533.0 | 611.4 | 685.9 | 747.1 | 797.5 | 835.8 | 856.1 | 861.3 |
| 117.5° | 517.1 | 582.0 | 640.7 | 692.6 | 735.6 | 767.7 | 788.3 | 792.3 |
| 120° | 510.0 | 569.3 | 620.3 | 665.5 | 701.9 | 729.9 | 746.5 | 753.5 |
| 122.5° | 503.9 | 561.1 | 607.6 | 647.2 | 677.9 | 701.9 | 715.9 | 722.9 |
| 125° | 493.4 | 548.3 | 592.2 | 627.3 | 652.8 | 671.3 | 683.4 | 687.2 |
| 127.5° | 480.7 | 533.0 | 576.9 | 610.3 | 635.9 | 652.3 | 662.5 | 666.3 |
| 130° | 470.5 | 520.8 | 564.2 | 597.9 | 624.1 | 640.1 | 650.3 | 654.1 |
| 132.5° | 459.7 | 507.0 | 549.4 | 583.2 | 608.8 | 626.8 | 636.5 | 640.3 |
| 135° | 445.0 | 486.4 | 525.3 | 557.2 | 582.7 | 600.5 | 610.7 | 614.6 |
| 137.5° | 431.6 | 466.7 | 499.5 | 528.2 | 552.0 | 569.6 | 578.0 | 582.7 |
| 140° | 424.0 | 453.9 | 482.6 | 509.4 | 531.7 | 545.7 | 554.6 | 559.7 |
| 142.5° | 416.8 | 443.2 | 467.8 | 491.0 | 510.8 | 523.7 | 531.7 | 535.2 |
| 145° | 406.8 | 428.4 | 447.5 | 465.4 | 481.4 | 492.1 | 498.6 | 501.7 |
| 147.5° | 398.4 | 415.6 | 431.0 | 445.0 | 456.7 | 466.0 | 470.8 | 472.0 |
| 150° | 393.3 | 408.0 | 420.8 | 432.2 | 442.5 | 450.7 | 454.5 | 455.2 |
| 152.5° | 387.8 | 400.3 | 412.1 | 421.5 | 430.2 | 436.9 | 439.2 | 439.9 |
| 155° | 379.3 | 389.6 | 399.1 | 406.8 | 413.1 | 418.2 | 420.1 | 420.1 |
| 157.5° | 370.2 | 378.8 | 386.9 | 393.0 | 397.8 | 401.6 | 402.8 | 402.8 |
| 160° | 364.7 | 371.7 | 378.7 | 383.8 | 387.6 | 391.4 | 392.1 | 392.1 |
| 162.5° | 359.1 | 365.0 | 370.6 | 375.1 | 377.9 | 381.7 | 382.4 | 381.9 |
| 165° | 351.2 | 355.1 | 359.5 | 362.7 | 365.3 | 367.9 | 367.2 | 366.6 |
| 167.5° | 343.7 | 346.7 | 350.3 | 352.1 | 353.4 | 355.1 | 355.0 | 354.4 |
| 170° | 339.2 | 341.0 | 343.6 | 345.5 | 346.8 | 347.4 | 346.8 | 346.8 |
| 172.5° | 335.1 | 336.5 | 338.0 | 339.4 | 340.1 | 340.8 | 340.1 | 339.2 |
| 175° | 329.6 | 330.2 | 331.5 | 331.5 | 331.5 | 332.8 | 331.5 | 330.2 |
| 177.5° | 326.0 | 326.5 | 326.5 | 327.0 | 326.5 | 327.0 | 326.0 | 325.0 |
| 180° | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 | 324.5 |

(END OF REPORT)