

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: P332604-935

Luminaire Tested: **SA4XXDIP-C795D810U935-4F0-1E-UDD-F**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332604-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C795D810U935-4F0-1E-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**

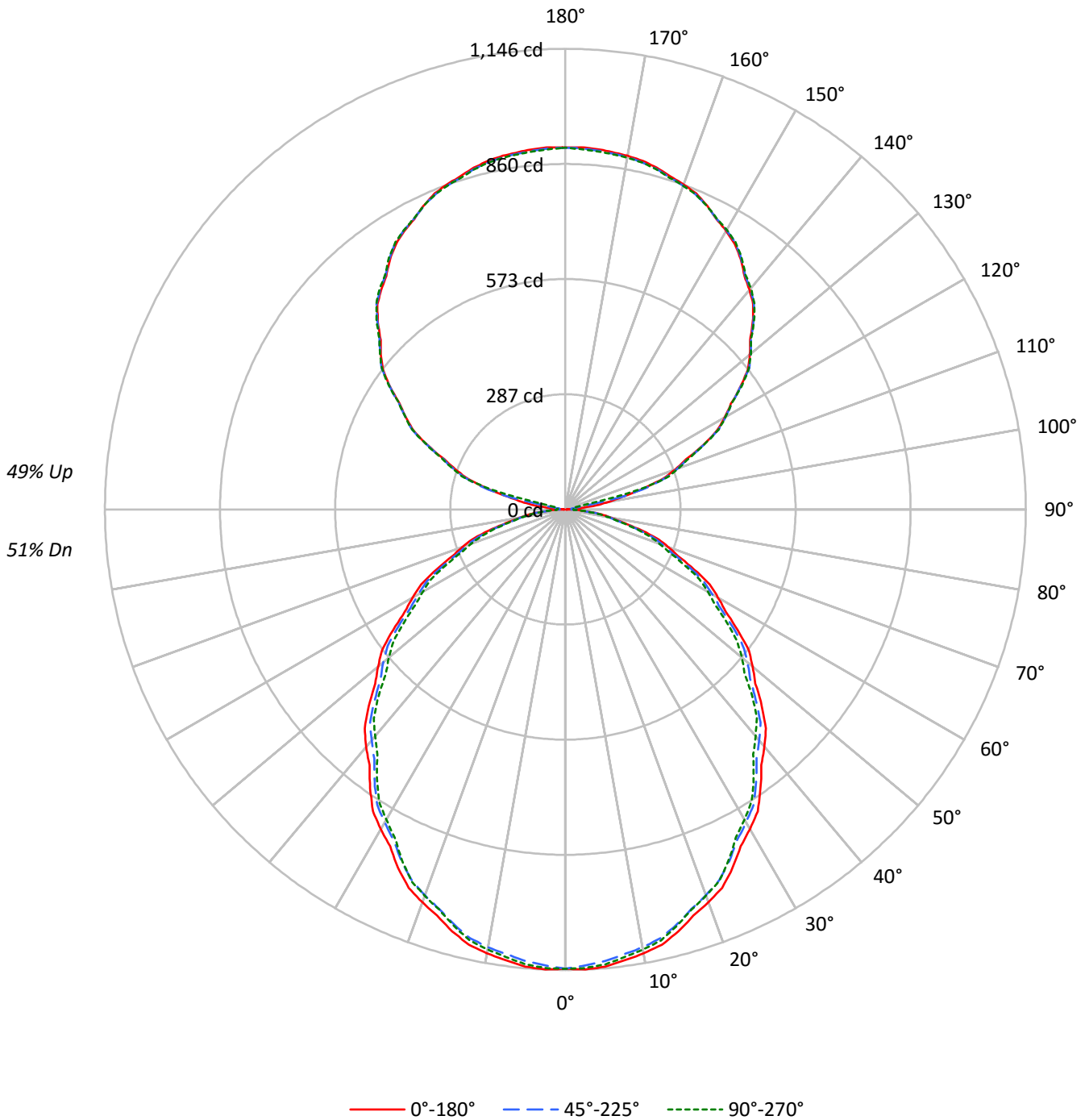
Lumens per Lamp: N/A  
Luminaire Lumens: 5719.8 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3  
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')  
CIE Type: General Diffuse

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: P332604-935  
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### Luminous Intensity Polar Plot





TEST NUMBER: P332604-935

CATALOG NUMBER: SA4XXDIP-C795D810U935-4F0-1E-UDD-F

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

| RF  | 20  |     |     |     | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RC  | 80  |     |     |     | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 |    |    |    |    |    |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |    |    |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 70 | 70 | 70 | 57 | 57 | 57 | 51 | 51 | 51 | 43 | 43 |
| 1   | 98  | 94  | 90  | 86  | 90 | 87 | 83 | 80 | 74 | 71 | 69 | 62 | 60 | 58 | 51 | 49 | 48 | 43 | 41 | 40 | 36 | 34 |
| 2   | 89  | 82  | 76  | 70  | 82 | 76 | 70 | 66 | 65 | 61 | 57 | 54 | 51 | 49 | 45 | 42 | 41 | 36 | 34 | 33 | 29 | 27 |
| 3   | 81  | 72  | 65  | 59  | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 44 | 41 | 39 | 37 | 35 | 31 | 29 | 28 | 23 | 21 |
| 4   | 74  | 64  | 56  | 50  | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 35 | 35 | 32 | 30 | 26 | 24 | 23 | 19 | 17 |
| 5   | 68  | 57  | 49  | 43  | 63 | 53 | 45 | 40 | 45 | 40 | 35 | 38 | 34 | 31 | 32 | 29 | 26 | 23 | 21 | 20 | 16 | 14 |
| 6   | 63  | 51  | 43  | 37  | 58 | 47 | 40 | 35 | 41 | 35 | 31 | 35 | 30 | 27 | 29 | 25 | 23 | 20 | 18 | 17 | 14 | 12 |
| 7   | 58  | 46  | 38  | 32  | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 27 | 24 | 26 | 23 | 20 | 18 | 16 | 15 | 13 | 11 |
| 8   | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 24 | 21 | 24 | 21 | 18 | 16 | 14 | 13 | 11 | 9  |
| 9   | 50  | 38  | 31  | 25  | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 27 | 22 | 19 | 22 | 19 | 16 | 14 | 12 | 11 | 9  | 7  |
| 10  | 47  | 35  | 28  | 23  | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 21 | 17 | 15 | 13 | 11 | 10 | 8  | 6  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9227 | 9227 | 9227 |
| 5°  | 9255 | 9143 | 9210 |
| 10° | 9197 | 9069 | 9114 |
| 15° | 9086 | 8940 | 8964 |
| 20° | 8937 | 8781 | 8789 |
| 25° | 8769 | 8598 | 8573 |
| 30° | 8563 | 8383 | 8307 |
| 35° | 8348 | 8159 | 8051 |
| 40° | 8126 | 7904 | 7759 |
| 45° | 7895 | 7654 | 7507 |
| 50° | 7637 | 7430 | 7200 |
| 55° | 7361 | 7142 | 6909 |
| 60° | 7083 | 6817 | 6610 |
| 65° | 6770 | 6508 | 6245 |
| 70° | 6420 | 6097 | 5858 |
| 75° | 5883 | 5599 | 5459 |
| 80° | 5235 | 5026 | 4895 |
| 85° | 4576 | 4409 | 4326 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.6  | 1.9       |
| 10°-20°   | 303.3  | 5.3       |
| 20°-30°   | 446.4  | 7.8       |
| 30°-40°   | 518.9  | 9.1       |
| 40°-50°   | 518.9  | 9.1       |
| 50°-60°   | 453.9  | 7.9       |
| 60°-70°   | 337.1  | 5.9       |
| 70°-80°   | 191.5  | 3.3       |
| 80°-90°   | 57.9   | 1.0       |
| 90°-100°  | 30.8   | 0.5       |
| 100°-110° | 196.3  | 3.4       |
| 110°-120° | 375.5  | 6.6       |
| 120°-130° | 476.7  | 8.3       |
| 130°-140° | 510.0  | 8.9       |
| 140°-150° | 476.9  | 8.3       |
| 150°-160° | 384.6  | 6.7       |
| 160°-170° | 248.0  | 4.3       |
| 170°-180° | 85.5   | 1.5       |
| 0°-30°    | 857.3  | 15.0      |
| 0°-40°    | 1376.2 | 24.1      |
| 0°-60°    | 2349.1 | 41.1      |
| 0°-90°    | 2935.6 | 51.3      |
| 90°-120°  | 602.6  | 10.5      |
| 90°-150°  | 2066.1 | 36.1      |
| 90°-180°  | 2784.0 | 48.7      |
| 0°-180°   | 5719.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1143 | 1143  | 1143 | 1143  | 1143 |      |
| 5°   | 1142 | 1138  | 1128 | 1138  | 1136 | 108  |
| 15°  | 1087 | 1083  | 1070 | 1075  | 1072 | 306  |
| 25°  | 984  | 978   | 965  | 966   | 962  | 453  |
| 35°  | 847  | 840   | 828  | 822   | 817  | 529  |
| 45°  | 692  | 685   | 670  | 661   | 658  | 533  |
| 55°  | 523  | 520   | 507  | 497   | 491  | 468  |
| 65°  | 354  | 350   | 341  | 332   | 327  | 351  |
| 75°  | 189  | 184   | 180  | 176   | 175  | 200  |
| 85°  | 49   | 49    | 48   | 48    | 47   | 54   |
| 90°  | 2    | 9     | 15   | 19    | 20   | 4    |
| 95°  | 37   | 15    | 15   | 19    | 20   | 48   |
| 105° | 203  | 207   | 210  | 214   | 192  | 212  |
| 115° | 378  | 380   | 380  | 381   | 381  | 372  |
| 125° | 532  | 534   | 533  | 535   | 536  | 475  |
| 135° | 660  | 659   | 662  | 663   | 664  | 508  |
| 145° | 761  | 763   | 763  | 763   | 765  | 475  |
| 155° | 834  | 835   | 833  | 835   | 833  | 384  |
| 165° | 880  | 877   | 876  | 881   | 876  | 249  |
| 175° | 900  | 896   | 897  | 902   | 895  | 86   |
| 180° | 900  | 900   | 900  | 900   | 900  |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 |
| 2.5°   | 1145.9 | 1145.4 | 1144.9 | 1144.4 | 1143.9 | 1142.8 | 1141.0 | 1139.2 | 1137.4 | 1135.7 | 1137.2 |
| 5°     | 1142.0 | 1141.3 | 1140.4 | 1139.6 | 1138.8 | 1137.2 | 1135.0 | 1132.7 | 1130.5 | 1128.3 | 1130.5 |
| 7.5°   | 1131.4 | 1130.6 | 1129.8 | 1128.9 | 1128.2 | 1126.5 | 1124.0 | 1121.5 | 1119.0 | 1116.5 | 1118.4 |
| 10°    | 1121.9 | 1121.1 | 1120.2 | 1119.5 | 1118.6 | 1116.9 | 1114.2 | 1111.6 | 1109.0 | 1106.3 | 1107.9 |
| 12.5°  | 1109.4 | 1108.6 | 1107.8 | 1107.0 | 1106.2 | 1104.3 | 1101.6 | 1098.7 | 1096.0 | 1093.1 | 1094.9 |
| 15°    | 1087.1 | 1086.2 | 1085.5 | 1084.6 | 1083.8 | 1081.9 | 1078.8 | 1075.8 | 1072.7 | 1069.7 | 1070.9 |
| 17.5°  | 1060.1 | 1059.1 | 1058.1 | 1057.1 | 1056.1 | 1054.1 | 1051.3 | 1048.4 | 1045.4 | 1042.6 | 1043.4 |
| 20°    | 1040.3 | 1039.3 | 1038.4 | 1037.3 | 1036.3 | 1034.2 | 1031.2 | 1028.1 | 1025.1 | 1022.1 | 1022.7 |
| 22.5°  | 1019.2 | 1017.8 | 1016.4 | 1015.1 | 1013.7 | 1011.6 | 1008.5 | 1005.5 | 1002.4 | 999.4  | 1000.5 |
| 25°    | 984.5  | 983.1  | 981.6  | 980.2  | 978.8  | 976.6  | 973.8  | 970.9  | 968.1  | 965.3  | 965.4  |
| 27.5°  | 944.9  | 943.5  | 942.0  | 940.6  | 939.1  | 937.0  | 934.4  | 931.8  | 929.1  | 926.4  | 925.9  |
| 30°    | 918.6  | 917.0  | 915.3  | 913.7  | 912.1  | 909.9  | 907.2  | 904.7  | 902.0  | 899.3  | 898.5  |
| 32.5°  | 890.7  | 889.2  | 887.8  | 886.3  | 884.8  | 882.7  | 879.9  | 877.1  | 874.3  | 871.5  | 870.6  |
| 35°    | 847.1  | 845.7  | 844.3  | 842.8  | 841.5  | 839.3  | 836.5  | 833.6  | 830.8  | 827.9  | 826.5  |
| 37.5°  | 801.2  | 799.9  | 798.6  | 797.3  | 795.9  | 793.8  | 790.7  | 787.6  | 784.6  | 781.5  | 780.0  |
| 40°    | 771.1  | 769.5  | 767.8  | 766.2  | 764.6  | 762.2  | 759.2  | 756.1  | 753.1  | 750.0  | 748.0  |
| 42.5°  | 738.9  | 737.9  | 736.9  | 736.0  | 734.9  | 732.8  | 729.4  | 726.1  | 722.6  | 719.3  | 717.0  |
| 45°    | 691.5  | 690.0  | 688.6  | 687.2  | 685.8  | 683.4  | 680.2  | 676.9  | 673.6  | 670.4  | 668.1  |
| 47.5°  | 641.8  | 640.8  | 639.9  | 638.9  | 637.9  | 635.9  | 632.9  | 629.9  | 626.9  | 623.9  | 621.3  |
| 50°    | 608.1  | 607.3  | 606.5  | 605.6  | 604.9  | 603.0  | 600.2  | 597.4  | 594.4  | 591.6  | 588.8  |
| 52.5°  | 575.1  | 574.2  | 573.2  | 572.2  | 571.2  | 569.2  | 566.2  | 563.2  | 560.2  | 557.2  | 554.7  |
| 55°    | 523.0  | 522.3  | 521.7  | 521.1  | 520.5  | 518.8  | 515.9  | 513.1  | 510.2  | 507.4  | 504.9  |
| 57.5°  | 473.1  | 472.4  | 471.7  | 471.1  | 470.4  | 468.6  | 465.8  | 463.0  | 460.2  | 457.4  | 455.0  |
| 60°    | 438.7  | 437.6  | 436.6  | 435.7  | 434.6  | 432.7  | 430.2  | 427.5  | 424.8  | 422.2  | 420.3  |
| 62.5°  | 405.0  | 404.2  | 403.3  | 402.4  | 401.6  | 399.8  | 396.9  | 394.1  | 391.3  | 388.5  | 386.8  |
| 65°    | 354.4  | 353.4  | 352.4  | 351.4  | 350.3  | 348.8  | 346.8  | 344.7  | 342.7  | 340.7  | 338.6  |
| 67.5°  | 303.5  | 302.6  | 301.6  | 300.7  | 299.8  | 298.3  | 296.4  | 294.4  | 292.5  | 290.5  | 288.5  |
| 70°    | 272.0  | 270.6  | 269.1  | 267.7  | 266.3  | 264.8  | 263.1  | 261.5  | 259.8  | 258.3  | 256.7  |
| 72.5°  | 238.3  | 236.9  | 235.5  | 234.0  | 232.6  | 231.3  | 230.0  | 228.6  | 227.3  | 226.0  | 224.7  |
| 75°    | 188.6  | 187.6  | 186.7  | 185.6  | 184.6  | 183.6  | 182.5  | 181.5  | 180.6  | 179.5  | 178.7  |
| 77.5°  | 141.2  | 140.8  | 140.3  | 139.9  | 139.4  | 138.8  | 137.8  | 137.0  | 136.0  | 135.2  | 134.9  |
| 80°    | 112.6  | 112.0  | 111.4  | 110.8  | 110.2  | 109.7  | 109.3  | 108.9  | 108.5  | 108.1  | 107.6  |
| 82.5°  | 84.8   | 84.6   | 84.2   | 83.9   | 83.7   | 83.5   | 83.4   | 83.3   | 83.3   | 83.2   | 82.9   |
| 85°    | 49.4   | 49.4   | 49.4   | 49.4   | 49.4   | 49.2   | 48.8   | 48.5   | 48.0   | 47.6   | 47.6   |
| 87.5°  | 19.5   | 19.6   | 19.8   | 20.0   | 20.1   | 20.2   | 20.3   | 20.4   | 20.5   | 20.6   | 20.8   |
| 90°    | 2.0    | 3.7    | 5.3    | 7.0    | 8.6    | 10.0   | 11.2   | 12.4   | 13.6   | 14.8   | 15.7   |
| 92.5°  | 8.5    | 8.6    | 8.7    | 8.8    | 8.9    | 9.5    | 10.7   | 11.9   | 13.1   | 14.3   | 15.2   |
| 95°    | 37.0   | 31.9   | 26.9   | 21.8   | 16.7   | 14.2   | 14.4   | 14.6   | 14.6   | 14.8   | 15.7   |
| 97.5°  | 78.6   | 81.8   | 85.0   | 88.2   | 91.4   | 84.6   | 67.8   | 51.1   | 34.4   | 17.7   | 17.8   |
| 100°   | 110.4  | 113.1  | 115.8  | 118.5  | 121.1  | 112.2  | 91.5   | 70.9   | 50.3   | 29.6   | 27.0   |
| 102.5° | 145.9  | 147.9  | 149.9  | 151.9  | 153.9  | 153.5  | 150.8  | 148.1  | 145.4  | 142.8  | 115.3  |
| 105°   | 202.6  | 203.5  | 204.4  | 205.3  | 206.2  | 207.1  | 207.8  | 208.5  | 209.3  | 210.0  | 211.4  |
| 107.5° | 255.3  | 255.7  | 256.1  | 256.7  | 257.1  | 257.8  | 258.8  | 259.8  | 260.9  | 261.9  | 262.5  |
| 110°   | 290.8  | 291.3  | 291.7  | 292.1  | 292.7  | 293.3  | 294.2  | 295.1  | 296.0  | 296.9  | 297.2  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 325.3 | 326.1 | 326.9 | 327.7 | 328.6 | 329.2 | 329.6 | 329.9 | 330.4 | 330.8 | 330.8 |
| 115°   | 378.3 | 378.8 | 379.3 | 379.7 | 380.1 | 380.3 | 380.1 | 380.0 | 379.9 | 379.7 | 380.0 |
| 117.5° | 426.1 | 426.7 | 427.3 | 427.9 | 428.5 | 429.0 | 429.3 | 429.6 | 430.0 | 430.3 | 430.2 |
| 120°   | 458.5 | 459.1 | 459.7 | 460.3 | 460.8 | 461.1 | 460.9 | 460.8 | 460.6 | 460.5 | 460.8 |
| 122.5° | 488.6 | 489.0 | 489.3 | 489.7 | 490.1 | 490.3 | 490.5 | 490.8 | 490.9 | 491.2 | 491.4 |
| 125°   | 531.8 | 532.4 | 533.0 | 533.6 | 534.3 | 534.3 | 534.1 | 533.8 | 533.5 | 533.2 | 533.6 |
| 127.5° | 572.7 | 572.9 | 573.1 | 573.3 | 573.3 | 573.8 | 574.5 | 575.1 | 575.8 | 576.5 | 576.4 |
| 130°   | 599.2 | 599.3 | 599.4 | 599.6 | 599.8 | 600.0 | 600.5 | 601.0 | 601.4 | 601.8 | 602.0 |
| 132.5° | 623.4 | 623.6 | 624.0 | 624.2 | 624.5 | 624.9 | 625.4 | 626.0 | 626.5 | 627.2 | 627.3 |
| 135°   | 659.8 | 659.6 | 659.4 | 659.3 | 659.2 | 659.4 | 660.0 | 660.6 | 661.2 | 661.8 | 662.0 |
| 137.5° | 691.9 | 692.0 | 692.1 | 692.1 | 692.2 | 692.5 | 693.2 | 693.9 | 694.5 | 695.2 | 695.5 |
| 140°   | 712.9 | 713.3 | 713.5 | 713.9 | 714.1 | 714.5 | 714.7 | 715.1 | 715.3 | 715.6 | 716.1 |
| 142.5° | 731.8 | 732.3 | 732.9 | 733.4 | 733.9 | 734.3 | 734.4 | 734.7 | 734.9 | 735.0 | 735.4 |
| 145°   | 760.7 | 761.2 | 761.6 | 762.1 | 762.5 | 762.8 | 762.8 | 762.8 | 762.8 | 762.8 | 762.9 |
| 147.5° | 783.8 | 784.6 | 785.4 | 786.3 | 787.1 | 787.5 | 787.3 | 787.1 | 787.0 | 786.9 | 787.0 |
| 150°   | 800.5 | 801.1 | 801.7 | 802.3 | 802.8 | 803.1 | 802.9 | 802.8 | 802.6 | 802.5 | 802.5 |
| 152.5° | 814.4 | 814.9 | 815.4 | 815.9 | 816.4 | 816.5 | 816.2 | 816.0 | 815.6 | 815.4 | 815.6 |
| 155°   | 834.1 | 834.2 | 834.4 | 834.6 | 834.7 | 834.6 | 834.1 | 833.6 | 833.2 | 832.8 | 833.4 |
| 157.5° | 850.7 | 850.6 | 850.5 | 850.4 | 850.3 | 850.0 | 849.5 | 849.0 | 848.5 | 848.0 | 848.8 |
| 160°   | 860.4 | 859.9 | 859.5 | 859.0 | 858.6 | 858.2 | 858.2 | 858.0 | 857.8 | 857.6 | 858.6 |
| 162.5° | 869.0 | 868.4 | 867.8 | 867.3 | 866.7 | 866.3 | 866.2 | 866.1 | 865.9 | 865.7 | 866.7 |
| 165°   | 879.9 | 879.2 | 878.4 | 877.6 | 876.9 | 876.5 | 876.5 | 876.5 | 876.5 | 876.5 | 877.7 |
| 167.5° | 888.5 | 887.7 | 886.9 | 886.1 | 885.4 | 884.9 | 884.8 | 884.8 | 884.7 | 884.6 | 885.9 |
| 170°   | 893.4 | 892.4 | 891.6 | 890.6 | 889.8 | 889.4 | 889.5 | 889.7 | 889.8 | 890.0 | 891.1 |
| 172.5° | 896.6 | 895.7 | 894.8 | 893.9 | 893.0 | 892.6 | 892.8 | 892.9 | 893.0 | 893.2 | 894.4 |
| 175°   | 900.1 | 899.1 | 898.3 | 897.4 | 896.5 | 896.1 | 896.3 | 896.4 | 896.6 | 896.7 | 898.0 |
| 177.5° | 901.7 | 900.9 | 900.0 | 899.1 | 898.4 | 898.0 | 898.3 | 898.5 | 898.8 | 899.0 | 899.9 |
| 180°   | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 |



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CATALOG NUMBER: SA4XXDIP-C795D810U935-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 | 1143.0 |
| 2.5°   | 1138.8 | 1140.5 | 1142.1 | 1142.9 | 1142.7 | 1142.5 | 1142.4 | 1142.2 |
| 5°     | 1132.7 | 1135.0 | 1137.2 | 1138.2 | 1137.7 | 1137.4 | 1137.0 | 1136.5 |
| 7.5°   | 1120.2 | 1122.0 | 1123.7 | 1124.5 | 1124.3 | 1124.0 | 1123.8 | 1123.5 |
| 10°    | 1109.6 | 1111.2 | 1112.8 | 1113.4 | 1113.0 | 1112.6 | 1112.2 | 1111.8 |
| 12.5°  | 1096.7 | 1098.5 | 1100.3 | 1100.9 | 1100.4 | 1099.8 | 1099.2 | 1098.6 |
| 15°    | 1072.1 | 1073.3 | 1074.5 | 1074.9 | 1074.3 | 1073.7 | 1073.1 | 1072.5 |
| 17.5°  | 1044.1 | 1044.9 | 1045.7 | 1045.9 | 1045.4 | 1045.0 | 1044.7 | 1044.2 |
| 20°    | 1023.3 | 1023.9 | 1024.5 | 1024.6 | 1024.2 | 1023.8 | 1023.4 | 1023.0 |
| 22.5°  | 1001.5 | 1002.6 | 1003.8 | 1003.9 | 1003.2 | 1002.5 | 1001.7 | 1001.0 |
| 25°    | 965.7  | 965.9  | 966.1  | 965.8  | 965.0  | 964.1  | 963.4  | 962.5  |
| 27.5°  | 925.5  | 925.0  | 924.5  | 923.8  | 922.7  | 921.7  | 920.7  | 919.6  |
| 30°    | 897.7  | 896.9  | 896.0  | 895.2  | 894.1  | 893.1  | 892.1  | 891.1  |
| 32.5°  | 869.5  | 868.6  | 867.6  | 866.6  | 865.6  | 864.5  | 863.5  | 862.5  |
| 35°    | 825.1  | 823.6  | 822.2  | 821.0  | 819.9  | 819.0  | 817.9  | 816.9  |
| 37.5°  | 778.4  | 776.9  | 775.4  | 774.0  | 772.6  | 771.3  | 769.9  | 768.5  |
| 40°    | 746.0  | 744.0  | 741.9  | 740.4  | 739.3  | 738.4  | 737.4  | 736.3  |
| 42.5°  | 714.5  | 712.2  | 709.8  | 708.3  | 707.7  | 707.0  | 706.3  | 705.6  |
| 45°    | 665.9  | 663.7  | 661.4  | 660.0  | 659.4  | 658.8  | 658.1  | 657.5  |
| 47.5°  | 618.8  | 616.3  | 613.7  | 611.7  | 610.2  | 608.6  | 607.1  | 605.5  |
| 50°    | 585.9  | 583.1  | 580.2  | 578.2  | 577.0  | 575.8  | 574.5  | 573.3  |
| 52.5°  | 552.2  | 549.6  | 547.1  | 545.1  | 543.5  | 542.0  | 540.4  | 538.9  |
| 55°    | 502.5  | 500.1  | 497.6  | 495.8  | 494.6  | 493.4  | 492.1  | 490.9  |
| 57.5°  | 452.7  | 450.4  | 448.1  | 446.3  | 445.1  | 443.9  | 442.8  | 441.6  |
| 60°    | 418.5  | 416.7  | 414.8  | 413.5  | 412.4  | 411.4  | 410.4  | 409.4  |
| 62.5°  | 385.1  | 383.5  | 381.9  | 380.5  | 379.4  | 378.4  | 377.5  | 376.4  |
| 65°    | 336.7  | 334.6  | 332.5  | 331.1  | 330.0  | 329.0  | 328.0  | 326.9  |
| 67.5°  | 286.6  | 284.6  | 282.7  | 281.5  | 281.3  | 281.0  | 280.7  | 280.4  |
| 70°    | 255.0  | 253.4  | 251.8  | 250.6  | 250.0  | 249.4  | 248.8  | 248.2  |
| 72.5°  | 223.4  | 222.1  | 220.8  | 219.9  | 219.2  | 218.6  | 218.0  | 217.4  |
| 75°    | 177.9  | 177.0  | 176.2  | 175.7  | 175.6  | 175.3  | 175.1  | 175.0  |
| 77.5°  | 134.7  | 134.4  | 134.2  | 133.8  | 133.3  | 132.8  | 132.2  | 131.7  |
| 80°    | 107.3  | 106.9  | 106.4  | 106.2  | 105.9  | 105.7  | 105.6  | 105.3  |
| 82.5°  | 82.7   | 82.4   | 82.1   | 82.0   | 81.8   | 81.5   | 81.4   | 81.1   |
| 85°    | 47.6   | 47.6   | 47.6   | 47.5   | 47.4   | 47.1   | 46.9   | 46.7   |
| 87.5°  | 20.9   | 21.1   | 21.3   | 21.4   | 21.4   | 21.5   | 21.5   | 21.6   |
| 90°    | 16.6   | 17.5   | 18.4   | 19.0   | 19.3   | 19.6   | 19.9   | 20.2   |
| 92.5°  | 16.1   | 17.0   | 17.8   | 18.3   | 18.4   | 18.4   | 18.5   | 18.6   |
| 95°    | 16.6   | 17.5   | 18.4   | 18.9   | 19.1   | 19.2   | 19.4   | 19.5   |
| 97.5°  | 18.0   | 18.1   | 18.2   | 18.3   | 18.4   | 18.5   | 18.7   | 18.9   |
| 100°   | 24.5   | 22.0   | 19.5   | 18.3   | 18.4   | 18.5   | 18.7   | 18.9   |
| 102.5° | 87.8   | 60.4   | 33.0   | 19.3   | 19.3   | 19.3   | 19.4   | 19.4   |
| 105°   | 212.8  | 214.0  | 215.4  | 213.4  | 208.0  | 202.6  | 197.3  | 191.8  |
| 107.5° | 263.2  | 263.8  | 264.5  | 265.1  | 265.7  | 266.2  | 266.8  | 267.4  |
| 110°   | 297.5  | 297.8  | 298.1  | 298.4  | 298.9  | 299.4  | 299.8  | 300.2  |





TEST NUMBER: P332604-935

CATALOG NUMBER: SA4XXDIP-C795D810U935-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 330.7 | 330.6 | 330.5 | 330.8 | 331.4 | 332.0 | 332.5 | 333.1 |
| 115°   | 380.3 | 380.6 | 380.9 | 381.1 | 381.1 | 381.1 | 381.1 | 381.1 |
| 117.5° | 430.2 | 430.2 | 430.1 | 430.0 | 430.0 | 429.9 | 429.8 | 429.8 |
| 120°   | 461.1 | 461.4 | 461.7 | 461.7 | 461.4 | 461.1 | 460.8 | 460.5 |
| 122.5° | 491.5 | 491.7 | 491.9 | 491.8 | 491.5 | 491.2 | 490.9 | 490.6 |
| 125°   | 534.1 | 534.5 | 534.9 | 535.3 | 535.5 | 535.5 | 535.7 | 535.9 |
| 127.5° | 576.4 | 576.3 | 576.2 | 576.1 | 575.9 | 575.8 | 575.8 | 575.6 |
| 130°   | 602.2 | 602.3 | 602.4 | 602.5 | 602.5 | 602.5 | 602.5 | 602.5 |
| 132.5° | 627.5 | 627.6 | 627.8 | 627.8 | 627.7 | 627.5 | 627.4 | 627.3 |
| 135°   | 662.4 | 662.6 | 663.0 | 663.2 | 663.6 | 663.8 | 664.2 | 664.4 |
| 137.5° | 695.8 | 696.1 | 696.5 | 696.5 | 696.5 | 696.4 | 696.3 | 696.2 |
| 140°   | 716.5 | 717.0 | 717.4 | 717.7 | 717.9 | 718.0 | 718.2 | 718.3 |
| 142.5° | 735.6 | 736.0 | 736.3 | 736.5 | 736.5 | 736.6 | 736.6 | 736.6 |
| 145°   | 763.0 | 763.2 | 763.4 | 763.5 | 763.9 | 764.1 | 764.5 | 764.7 |
| 147.5° | 787.1 | 787.2 | 787.3 | 787.5 | 787.6 | 787.7 | 787.9 | 788.1 |
| 150°   | 802.5 | 802.5 | 802.5 | 802.5 | 802.7 | 802.8 | 803.0 | 803.1 |
| 152.5° | 815.9 | 816.1 | 816.3 | 816.4 | 816.3 | 816.2 | 816.1 | 816.1 |
| 155°   | 834.0 | 834.6 | 835.2 | 835.3 | 834.7 | 834.3 | 833.9 | 833.4 |
| 157.5° | 849.5 | 850.3 | 851.1 | 851.1 | 850.3 | 849.5 | 848.8 | 848.0 |
| 160°   | 859.5 | 860.4 | 861.3 | 861.3 | 860.4 | 859.5 | 858.6 | 857.6 |
| 162.5° | 867.5 | 868.4 | 869.4 | 869.3 | 868.2 | 867.2 | 866.3 | 865.2 |
| 165°   | 878.9 | 880.1 | 881.3 | 881.2 | 879.9 | 878.6 | 877.2 | 875.8 |
| 167.5° | 887.3 | 888.6 | 889.8 | 889.8 | 888.3 | 886.7 | 885.3 | 883.8 |
| 170°   | 892.3 | 893.5 | 894.8 | 894.6 | 893.1 | 891.7 | 890.1 | 888.6 |
| 172.5° | 895.6 | 896.8 | 898.0 | 897.8 | 896.2 | 894.6 | 892.9 | 891.3 |
| 175°   | 899.4 | 900.8 | 902.1 | 901.9 | 900.1 | 898.3 | 896.5 | 894.7 |
| 177.5° | 901.0 | 901.9 | 902.8 | 902.6 | 901.1 | 899.7 | 898.3 | 896.8 |
| 180°   | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 | 900.1 |

(END OF REPORT)