

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: P332619-840

Luminaire Tested: **S124DIP-S795D1205U840-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332619-840
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-S795D1205U840-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8127.4 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

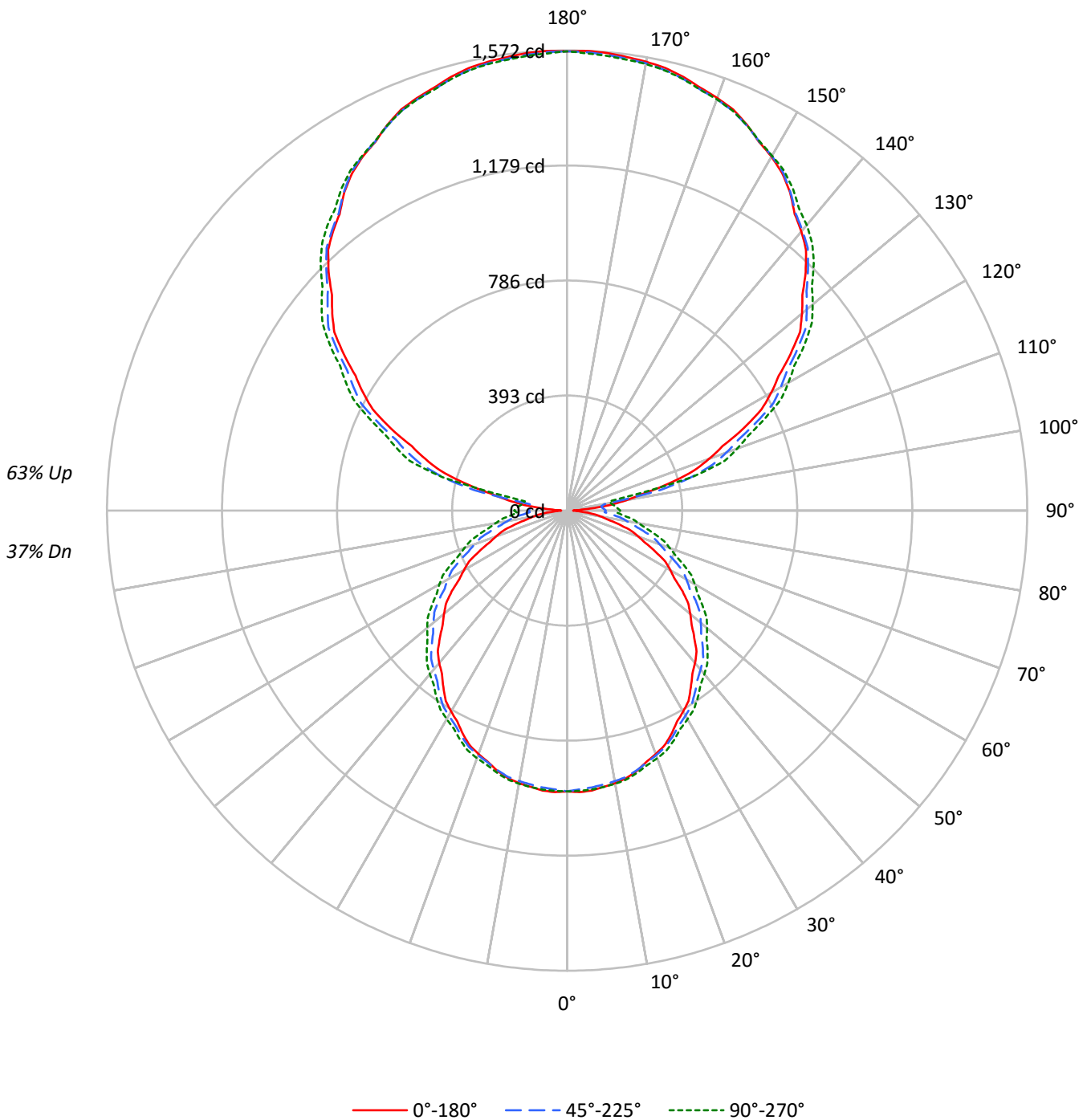
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 44 | 44 | 44 | 37 |
| 1 | 94 | 90 | 85 | 82 | 85 | 81 | 78 | 75 | 66 | 63 | 61 | 51 | 50 | 48 | 38 | 37 | 36 | 30 |
| 2 | 85 | 78 | 71 | 66 | 77 | 71 | 65 | 61 | 57 | 53 | 50 | 45 | 42 | 39 | 33 | 31 | 30 | 24 |
| 3 | 78 | 68 | 61 | 55 | 70 | 62 | 55 | 50 | 50 | 45 | 41 | 39 | 36 | 33 | 29 | 27 | 25 | 20 |
| 4 | 71 | 60 | 52 | 46 | 64 | 55 | 48 | 42 | 44 | 39 | 35 | 35 | 31 | 28 | 26 | 23 | 21 | 17 |
| 5 | 65 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 34 | 30 | 31 | 27 | 24 | 23 | 20 | 18 | 15 |
| 6 | 60 | 48 | 39 | 34 | 54 | 43 | 36 | 31 | 35 | 30 | 26 | 28 | 24 | 21 | 21 | 18 | 16 | 13 |
| 7 | 55 | 43 | 35 | 29 | 50 | 39 | 32 | 27 | 32 | 27 | 23 | 25 | 21 | 18 | 19 | 16 | 14 | 11 |
| 8 | 51 | 39 | 31 | 26 | 46 | 35 | 29 | 24 | 29 | 24 | 20 | 23 | 19 | 16 | 17 | 15 | 13 | 10 |
| 9 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 21 | 26 | 21 | 18 | 21 | 17 | 14 | 16 | 13 | 11 | 9 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 19 | 24 | 19 | 16 | 19 | 16 | 13 | 15 | 12 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7744 | 7744 | 7744 |
| 5° | 7768 | 7569 | 7589 |
| 10° | 7720 | 7444 | 7439 |
| 15° | 7651 | 7301 | 7261 |
| 20° | 7547 | 7143 | 7089 |
| 25° | 7429 | 6965 | 6898 |
| 30° | 7302 | 6789 | 6703 |
| 35° | 7158 | 6609 | 6532 |
| 40° | 7042 | 6436 | 6353 |
| 45° | 6871 | 6278 | 6200 |
| 50° | 6727 | 6095 | 6039 |
| 55° | 6577 | 5924 | 5849 |
| 60° | 6344 | 5704 | 5676 |
| 65° | 6089 | 5468 | 5463 |
| 70° | 5778 | 5200 | 5215 |
| 75° | 5348 | 4904 | 4991 |
| 80° | 4865 | 4620 | 4771 |
| 85° | 4264 | 4369 | 4644 |



TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 90.8 | 1.1 |
| 10°-20° | 260.3 | 3.2 |
| 20°-30° | 393.5 | 4.8 |
| 30°-40° | 476.1 | 5.9 |
| 40°-50° | 503.4 | 6.2 |
| 50°-60° | 473.7 | 5.8 |
| 60°-70° | 393.1 | 4.8 |
| 70°-80° | 276.1 | 3.4 |
| 80°-90° | 160.6 | 2.0 |
| 90°-100° | 146.3 | 1.8 |
| 100°-110° | 410.7 | 5.1 |
| 110°-120° | 700.5 | 8.6 |
| 120°-130° | 856.8 | 10.5 |
| 130°-140° | 900.1 | 11.1 |
| 140°-150° | 833.5 | 10.3 |
| 150°-160° | 670.4 | 8.2 |
| 160°-170° | 432.4 | 5.3 |
| 170°-180° | 149.0 | 1.8 |
| 0°-30° | 744.6 | 9.2 |
| 0°-40° | 1220.8 | 15.0 |
| 0°-60° | 2197.9 | 27.0 |
| 0°-90° | 3027.6 | 37.3 |
| 90°-120° | 1257.6 | 15.5 |
| 90°-150° | 3848.0 | 47.3 |
| 90°-180° | 5100.0 | 62.8 |
| 0°-180° | 8127.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 959 | 959 | 959 | 959 | 959 | |
| 5° | 960 | 957 | 950 | 958 | 957 | 91 |
| 15° | 921 | 921 | 918 | 928 | 927 | 259 |
| 25° | 842 | 848 | 852 | 863 | 865 | 388 |
| 35° | 737 | 750 | 760 | 775 | 779 | 461 |
| 45° | 614 | 635 | 655 | 673 | 679 | 475 |
| 55° | 481 | 504 | 536 | 557 | 564 | 429 |
| 65° | 333 | 368 | 404 | 430 | 439 | 330 |
| 75° | 185 | 225 | 270 | 299 | 309 | 196 |
| 85° | 57 | 102 | 150 | 181 | 193 | 61 |
| 90° | 21 | 77 | 132 | 169 | 181 | 14 |
| 95° | 78 | 77 | 119 | 154 | 166 | 94 |
| 105° | 363 | 392 | 437 | 470 | 441 | 380 |
| 115° | 666 | 680 | 712 | 737 | 746 | 656 |
| 125° | 931 | 936 | 959 | 982 | 991 | 831 |
| 135° | 1152 | 1152 | 1163 | 1182 | 1191 | 888 |
| 145° | 1327 | 1329 | 1330 | 1337 | 1344 | 829 |
| 155° | 1454 | 1455 | 1452 | 1456 | 1453 | 670 |
| 165° | 1534 | 1528 | 1528 | 1536 | 1527 | 433 |
| 175° | 1569 | 1562 | 1563 | 1572 | 1559 | 149 |
| 180° | 1569 | 1569 | 1569 | 1569 | 1569 | |



TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 |
| 2.5° | 962.7 | 962.1 | 961.5 | 961.0 | 960.4 | 959.4 | 957.8 | 956.2 | 954.7 | 953.2 | 954.5 |
| 5° | 960.3 | 959.6 | 958.9 | 958.2 | 957.5 | 956.2 | 954.5 | 952.9 | 951.2 | 949.6 | 951.5 |
| 7.5° | 952.1 | 951.7 | 951.3 | 950.9 | 950.4 | 949.5 | 948.2 | 946.7 | 945.3 | 944.0 | 946.1 |
| 10° | 945.2 | 945.0 | 944.8 | 944.5 | 944.3 | 943.6 | 942.4 | 941.2 | 940.0 | 938.8 | 941.0 |
| 12.5° | 935.8 | 935.7 | 935.7 | 935.6 | 935.6 | 935.2 | 934.4 | 933.5 | 932.7 | 931.9 | 933.9 |
| 15° | 920.6 | 920.8 | 921.0 | 921.3 | 921.5 | 921.3 | 920.6 | 919.9 | 919.1 | 918.4 | 920.6 |
| 17.5° | 899.7 | 900.4 | 901.1 | 901.9 | 902.6 | 902.8 | 902.7 | 902.6 | 902.4 | 902.3 | 904.5 |
| 20° | 885.1 | 885.9 | 886.6 | 887.3 | 888.0 | 888.5 | 888.7 | 888.9 | 889.2 | 889.4 | 891.8 |
| 22.5° | 868.8 | 869.7 | 870.6 | 871.5 | 872.4 | 873.1 | 873.5 | 873.9 | 874.3 | 874.8 | 877.2 |
| 25° | 842.1 | 843.5 | 845.1 | 846.5 | 847.9 | 849.0 | 849.7 | 850.4 | 851.1 | 851.8 | 854.4 |
| 27.5° | 812.5 | 814.6 | 816.7 | 818.8 | 820.9 | 822.5 | 823.6 | 824.7 | 825.8 | 826.9 | 829.3 |
| 30° | 792.7 | 794.7 | 796.6 | 798.5 | 800.4 | 802.1 | 803.9 | 805.5 | 807.2 | 808.8 | 811.4 |
| 32.5° | 771.2 | 773.6 | 775.9 | 778.1 | 780.4 | 782.4 | 784.4 | 786.2 | 788.1 | 789.9 | 792.9 |
| 35° | 736.9 | 739.7 | 742.7 | 745.5 | 748.3 | 750.9 | 753.4 | 755.8 | 758.1 | 760.5 | 763.9 |
| 37.5° | 702.3 | 705.6 | 708.9 | 712.2 | 715.5 | 718.6 | 721.5 | 724.5 | 727.5 | 730.4 | 733.9 |
| 40° | 679.9 | 683.1 | 686.1 | 689.2 | 692.4 | 695.6 | 698.9 | 702.3 | 705.6 | 708.9 | 712.6 |
| 42.5° | 654.2 | 657.6 | 661.2 | 664.6 | 668.1 | 671.8 | 675.7 | 679.6 | 683.6 | 687.4 | 691.5 |
| 45° | 614.4 | 618.9 | 623.5 | 628.0 | 632.6 | 637.1 | 641.7 | 646.2 | 650.7 | 655.2 | 659.3 |
| 47.5° | 576.4 | 581.1 | 585.7 | 590.5 | 595.1 | 600.1 | 605.3 | 610.6 | 615.8 | 621.1 | 625.3 |
| 50° | 548.9 | 554.1 | 559.4 | 564.6 | 569.9 | 575.1 | 580.4 | 585.6 | 590.9 | 596.1 | 601.0 |
| 52.5° | 521.4 | 526.6 | 531.9 | 537.1 | 542.4 | 548.1 | 554.0 | 560.1 | 566.1 | 572.1 | 576.8 |
| 55° | 481.2 | 486.3 | 491.3 | 496.2 | 501.3 | 507.4 | 514.5 | 521.7 | 528.9 | 536.0 | 540.8 |
| 57.5° | 436.4 | 442.5 | 448.8 | 454.9 | 461.1 | 467.8 | 474.9 | 482.0 | 489.2 | 496.2 | 501.9 |
| 60° | 407.1 | 413.3 | 419.5 | 425.8 | 431.9 | 439.0 | 446.9 | 454.7 | 462.6 | 470.5 | 475.9 |
| 62.5° | 378.7 | 385.6 | 392.3 | 399.1 | 405.9 | 413.2 | 421.1 | 429.0 | 436.9 | 444.7 | 450.2 |
| 65° | 333.0 | 340.6 | 348.3 | 355.9 | 363.6 | 371.4 | 379.5 | 387.7 | 395.8 | 403.8 | 409.8 |
| 67.5° | 288.9 | 297.1 | 305.2 | 313.3 | 321.4 | 329.8 | 338.5 | 347.2 | 355.9 | 364.6 | 370.6 |
| 70° | 258.8 | 267.0 | 275.1 | 283.3 | 291.3 | 299.9 | 309.0 | 318.1 | 327.1 | 336.2 | 342.6 |
| 72.5° | 229.6 | 237.9 | 246.3 | 254.6 | 262.9 | 271.9 | 281.6 | 291.1 | 300.8 | 310.4 | 316.7 |
| 75° | 184.8 | 193.6 | 202.4 | 211.3 | 220.0 | 229.5 | 239.5 | 249.5 | 259.6 | 269.6 | 276.3 |
| 77.5° | 142.9 | 152.2 | 161.6 | 171.0 | 180.3 | 190.3 | 200.8 | 211.3 | 221.8 | 232.3 | 239.0 |
| 80° | 117.0 | 126.6 | 136.1 | 145.7 | 155.3 | 165.3 | 175.8 | 186.3 | 196.8 | 207.3 | 214.5 |
| 82.5° | 91.3 | 101.2 | 111.2 | 121.1 | 131.0 | 141.3 | 151.8 | 162.3 | 172.8 | 183.3 | 190.6 |
| 85° | 57.0 | 67.0 | 77.0 | 87.1 | 97.0 | 107.4 | 118.2 | 128.9 | 139.7 | 150.4 | 157.5 |
| 87.5° | 32.5 | 42.8 | 53.1 | 63.4 | 73.7 | 84.3 | 95.2 | 106.1 | 116.9 | 127.8 | 135.0 |
| 90° | 20.7 | 33.1 | 45.5 | 58.0 | 70.4 | 82.7 | 95.1 | 107.4 | 119.8 | 132.2 | 140.7 |
| 92.5° | 31.1 | 39.9 | 48.6 | 57.4 | 66.1 | 76.6 | 89.0 | 101.4 | 113.7 | 126.0 | 134.3 |
| 95° | 78.5 | 77.6 | 76.5 | 75.5 | 74.5 | 79.1 | 89.2 | 99.2 | 109.3 | 119.3 | 127.2 |
| 97.5° | 149.8 | 162.1 | 174.3 | 186.6 | 198.9 | 195.4 | 176.0 | 156.6 | 137.1 | 117.8 | 124.2 |
| 100° | 204.3 | 215.2 | 226.0 | 236.9 | 247.8 | 239.9 | 213.3 | 186.6 | 160.0 | 133.3 | 135.3 |
| 102.5° | 266.2 | 275.1 | 284.0 | 292.9 | 301.7 | 308.4 | 312.9 | 317.3 | 321.6 | 326.1 | 284.6 |
| 105° | 362.8 | 369.2 | 375.6 | 381.9 | 388.2 | 396.5 | 406.6 | 416.8 | 426.9 | 437.0 | 445.4 |
| 107.5° | 454.4 | 459.1 | 463.8 | 468.5 | 473.2 | 480.6 | 490.7 | 500.9 | 511.0 | 521.1 | 528.2 |
| 110° | 515.5 | 519.7 | 523.7 | 527.9 | 532.0 | 539.1 | 549.0 | 558.9 | 568.8 | 578.8 | 584.7 |



TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 574.7 | 579.1 | 583.5 | 587.8 | 592.2 | 598.7 | 607.4 | 616.1 | 624.8 | 633.6 | 638.7 |
| 115° | 665.9 | 668.8 | 671.8 | 674.7 | 677.6 | 682.8 | 690.1 | 697.5 | 704.9 | 712.3 | 718.1 |
| 117.5° | 749.0 | 751.3 | 753.7 | 756.0 | 758.3 | 763.4 | 771.0 | 778.7 | 786.4 | 794.1 | 798.9 |
| 120° | 804.5 | 806.3 | 808.0 | 809.7 | 811.5 | 815.7 | 822.3 | 829.0 | 835.7 | 842.3 | 847.7 |
| 122.5° | 857.1 | 857.8 | 858.6 | 859.3 | 860.1 | 863.9 | 870.8 | 877.8 | 884.6 | 891.6 | 896.7 |
| 125° | 931.3 | 932.1 | 932.9 | 933.7 | 934.5 | 937.7 | 943.1 | 948.6 | 954.0 | 959.4 | 964.7 |
| 127.5° | 1002.4 | 1002.5 | 1002.5 | 1002.5 | 1002.5 | 1005.4 | 1011.2 | 1016.9 | 1022.8 | 1028.5 | 1032.7 |
| 130° | 1047.5 | 1047.6 | 1047.6 | 1047.6 | 1047.6 | 1050.0 | 1054.6 | 1059.1 | 1063.8 | 1068.3 | 1072.9 |
| 132.5° | 1089.8 | 1090.0 | 1090.3 | 1090.5 | 1090.8 | 1092.9 | 1096.9 | 1101.0 | 1105.0 | 1109.0 | 1113.4 |
| 135° | 1152.1 | 1151.9 | 1151.5 | 1151.3 | 1151.0 | 1152.3 | 1155.0 | 1157.7 | 1160.4 | 1163.2 | 1167.5 |
| 137.5° | 1208.2 | 1208.0 | 1207.9 | 1207.8 | 1207.7 | 1208.6 | 1210.5 | 1212.4 | 1214.5 | 1216.4 | 1220.4 |
| 140° | 1244.8 | 1245.1 | 1245.4 | 1245.7 | 1246.0 | 1246.5 | 1247.2 | 1248.0 | 1248.7 | 1249.5 | 1253.3 |
| 142.5° | 1276.8 | 1277.7 | 1278.6 | 1279.5 | 1280.3 | 1280.9 | 1281.0 | 1281.2 | 1281.4 | 1281.5 | 1284.9 |
| 145° | 1327.1 | 1327.6 | 1328.1 | 1328.7 | 1329.2 | 1329.5 | 1329.5 | 1329.5 | 1329.5 | 1329.5 | 1331.2 |
| 147.5° | 1367.2 | 1368.4 | 1369.6 | 1370.8 | 1372.0 | 1372.5 | 1372.3 | 1372.0 | 1371.7 | 1371.5 | 1371.9 |
| 150° | 1396.2 | 1397.0 | 1397.9 | 1398.7 | 1399.5 | 1399.8 | 1399.5 | 1399.3 | 1399.0 | 1398.7 | 1398.7 |
| 152.5° | 1419.8 | 1420.6 | 1421.4 | 1422.2 | 1423.0 | 1423.1 | 1422.7 | 1422.2 | 1421.7 | 1421.3 | 1421.7 |
| 155° | 1453.9 | 1454.1 | 1454.4 | 1454.6 | 1454.9 | 1454.6 | 1453.9 | 1453.1 | 1452.3 | 1451.5 | 1452.6 |
| 157.5° | 1482.7 | 1482.6 | 1482.4 | 1482.3 | 1482.1 | 1481.6 | 1480.7 | 1479.9 | 1478.9 | 1478.0 | 1479.4 |
| 160° | 1499.6 | 1498.8 | 1498.0 | 1497.3 | 1496.5 | 1496.0 | 1495.7 | 1495.4 | 1495.2 | 1494.9 | 1496.5 |
| 162.5° | 1514.6 | 1513.7 | 1512.7 | 1511.7 | 1510.7 | 1510.1 | 1509.7 | 1509.5 | 1509.2 | 1509.0 | 1510.6 |
| 165° | 1533.7 | 1532.4 | 1531.1 | 1529.7 | 1528.4 | 1527.8 | 1527.8 | 1527.8 | 1527.8 | 1527.8 | 1529.8 |
| 167.5° | 1548.6 | 1547.3 | 1546.0 | 1544.6 | 1543.3 | 1542.5 | 1542.4 | 1542.2 | 1542.1 | 1541.9 | 1544.2 |
| 170° | 1557.1 | 1555.6 | 1554.0 | 1552.5 | 1550.8 | 1550.2 | 1550.4 | 1550.7 | 1551.0 | 1551.3 | 1553.4 |
| 172.5° | 1562.8 | 1561.2 | 1559.6 | 1558.0 | 1556.5 | 1555.8 | 1556.1 | 1556.4 | 1556.6 | 1556.9 | 1558.9 |
| 175° | 1568.8 | 1567.3 | 1565.7 | 1564.2 | 1562.6 | 1562.0 | 1562.2 | 1562.5 | 1562.8 | 1563.0 | 1565.3 |
| 177.5° | 1571.7 | 1570.2 | 1568.7 | 1567.3 | 1565.8 | 1565.3 | 1565.7 | 1566.1 | 1566.6 | 1567.0 | 1568.6 |
| 180° | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 |



TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 | 959.3 |
| 2.5° | 955.8 | 957.3 | 958.6 | 959.2 | 959.0 | 958.8 | 958.6 | 958.4 |
| 5° | 953.4 | 955.3 | 957.2 | 958.1 | 957.8 | 957.6 | 957.4 | 957.0 |
| 7.5° | 948.3 | 950.4 | 952.6 | 953.5 | 953.3 | 953.0 | 952.8 | 952.6 |
| 10° | 943.1 | 945.2 | 947.5 | 948.4 | 948.2 | 947.9 | 947.7 | 947.5 |
| 12.5° | 935.8 | 937.9 | 939.8 | 940.7 | 940.7 | 940.6 | 940.6 | 940.5 |
| 15° | 922.7 | 924.8 | 927.0 | 928.0 | 927.8 | 927.5 | 927.3 | 927.0 |
| 17.5° | 906.7 | 908.9 | 911.1 | 912.1 | 911.9 | 911.7 | 911.5 | 911.3 |
| 20° | 894.1 | 896.6 | 899.0 | 900.2 | 900.2 | 900.2 | 900.2 | 900.2 |
| 22.5° | 879.6 | 881.9 | 884.3 | 885.8 | 886.2 | 886.5 | 886.9 | 887.3 |
| 25° | 857.1 | 859.7 | 862.3 | 863.7 | 863.9 | 864.2 | 864.4 | 864.7 |
| 27.5° | 831.7 | 834.1 | 836.7 | 838.0 | 838.3 | 838.6 | 838.9 | 839.1 |
| 30° | 814.1 | 816.7 | 819.3 | 820.9 | 821.4 | 821.8 | 822.3 | 822.8 |
| 32.5° | 796.0 | 799.0 | 801.9 | 803.8 | 804.2 | 804.7 | 805.2 | 805.7 |
| 35° | 767.2 | 770.5 | 773.9 | 775.9 | 776.6 | 777.3 | 778.1 | 778.8 |
| 37.5° | 737.2 | 740.6 | 744.0 | 746.1 | 746.8 | 747.6 | 748.3 | 749.1 |
| 40° | 716.1 | 719.7 | 723.3 | 725.5 | 726.5 | 727.4 | 728.4 | 729.3 |
| 42.5° | 695.4 | 699.3 | 703.3 | 705.7 | 706.4 | 707.2 | 708.0 | 708.7 |
| 45° | 663.4 | 667.4 | 671.5 | 674.1 | 675.3 | 676.5 | 677.7 | 678.8 |
| 47.5° | 629.4 | 633.7 | 637.9 | 640.7 | 642.2 | 643.6 | 645.0 | 646.4 |
| 50° | 605.7 | 610.5 | 615.2 | 618.3 | 619.8 | 621.3 | 622.7 | 624.1 |
| 52.5° | 581.7 | 586.4 | 591.2 | 594.3 | 595.7 | 597.1 | 598.5 | 600.1 |
| 55° | 545.5 | 550.4 | 555.1 | 558.3 | 559.7 | 561.1 | 562.5 | 563.9 |
| 57.5° | 507.7 | 513.3 | 519.0 | 522.5 | 523.8 | 525.1 | 526.5 | 527.9 |
| 60° | 481.5 | 487.0 | 492.4 | 496.1 | 498.1 | 500.0 | 501.9 | 503.8 |
| 62.5° | 455.7 | 461.2 | 466.7 | 470.4 | 472.3 | 474.2 | 476.1 | 478.0 |
| 65° | 415.9 | 421.8 | 427.8 | 431.7 | 433.6 | 435.6 | 437.4 | 439.3 |
| 67.5° | 376.7 | 382.7 | 388.8 | 392.7 | 394.7 | 396.5 | 398.4 | 400.2 |
| 70° | 349.1 | 355.6 | 362.0 | 366.1 | 367.7 | 369.4 | 371.0 | 372.7 |
| 72.5° | 323.0 | 329.2 | 335.5 | 339.5 | 341.3 | 343.3 | 345.1 | 347.0 |
| 75° | 283.0 | 289.6 | 296.4 | 300.7 | 303.0 | 305.1 | 307.2 | 309.3 |
| 77.5° | 245.8 | 252.6 | 259.3 | 263.9 | 266.2 | 268.4 | 270.7 | 273.1 |
| 80° | 221.7 | 228.8 | 236.0 | 240.4 | 242.4 | 244.3 | 246.2 | 248.1 |
| 82.5° | 197.9 | 205.3 | 212.7 | 217.4 | 219.4 | 221.6 | 223.7 | 225.8 |
| 85° | 164.7 | 171.9 | 179.0 | 183.8 | 186.2 | 188.5 | 191.0 | 193.4 |
| 87.5° | 142.3 | 149.6 | 156.7 | 161.5 | 163.7 | 165.9 | 168.1 | 170.3 |
| 90° | 149.2 | 157.6 | 166.1 | 171.6 | 174.0 | 176.4 | 178.8 | 181.3 |
| 92.5° | 142.7 | 151.0 | 159.3 | 164.4 | 166.4 | 168.4 | 170.5 | 172.5 |
| 95° | 135.3 | 143.3 | 151.3 | 156.5 | 159.0 | 161.4 | 163.7 | 166.1 |
| 97.5° | 130.6 | 137.0 | 143.4 | 147.7 | 150.1 | 152.4 | 154.7 | 157.0 |
| 100° | 137.2 | 139.3 | 141.3 | 143.3 | 145.2 | 147.1 | 149.1 | 151.0 |
| 102.5° | 243.0 | 201.4 | 159.9 | 140.0 | 141.9 | 143.8 | 145.7 | 147.6 |
| 105° | 453.6 | 461.9 | 470.3 | 470.7 | 463.2 | 455.8 | 448.3 | 440.8 |
| 107.5° | 535.1 | 542.2 | 549.2 | 554.1 | 556.7 | 559.5 | 562.2 | 564.9 |
| 110° | 590.8 | 596.7 | 602.8 | 607.1 | 609.8 | 612.5 | 615.2 | 617.8 |



TEST NUMBER: P332619-840

CATALOG NUMBER: S124DIP-S795D1205U840-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 643.9 | 649.1 | 654.3 | 658.3 | 661.3 | 664.2 | 667.1 | 669.9 |
| 115° | 723.9 | 729.6 | 735.4 | 739.1 | 740.7 | 742.5 | 744.1 | 745.8 |
| 117.5° | 803.9 | 808.7 | 813.5 | 816.9 | 818.7 | 820.5 | 822.2 | 824.0 |
| 120° | 852.9 | 858.3 | 863.5 | 866.9 | 868.3 | 869.7 | 871.0 | 872.4 |
| 122.5° | 901.7 | 906.9 | 911.9 | 915.0 | 916.3 | 917.5 | 918.7 | 919.9 |
| 125° | 970.1 | 975.3 | 980.7 | 984.2 | 985.9 | 987.5 | 989.3 | 991.0 |
| 127.5° | 1036.8 | 1041.0 | 1045.1 | 1047.8 | 1049.2 | 1050.7 | 1052.1 | 1053.5 |
| 130° | 1077.5 | 1082.1 | 1086.6 | 1089.5 | 1091.1 | 1092.5 | 1093.9 | 1095.3 |
| 132.5° | 1117.8 | 1122.2 | 1126.5 | 1129.3 | 1130.5 | 1131.8 | 1133.0 | 1134.2 |
| 135° | 1171.8 | 1176.2 | 1180.5 | 1183.7 | 1185.6 | 1187.6 | 1189.5 | 1191.4 |
| 137.5° | 1224.6 | 1228.6 | 1232.6 | 1235.2 | 1236.2 | 1237.3 | 1238.3 | 1239.3 |
| 140° | 1257.3 | 1261.1 | 1265.1 | 1267.7 | 1269.2 | 1270.6 | 1272.0 | 1273.5 |
| 142.5° | 1288.2 | 1291.4 | 1294.7 | 1297.0 | 1298.0 | 1299.0 | 1300.1 | 1301.1 |
| 145° | 1332.8 | 1334.5 | 1336.3 | 1337.9 | 1339.3 | 1340.8 | 1342.3 | 1343.7 |
| 147.5° | 1372.3 | 1372.7 | 1373.1 | 1373.8 | 1374.8 | 1375.8 | 1376.8 | 1377.9 |
| 150° | 1398.7 | 1398.7 | 1398.7 | 1398.9 | 1399.1 | 1399.4 | 1399.7 | 1399.9 |
| 152.5° | 1422.1 | 1422.5 | 1422.9 | 1423.0 | 1422.9 | 1422.7 | 1422.6 | 1422.4 |
| 155° | 1453.6 | 1454.6 | 1455.7 | 1455.8 | 1455.0 | 1454.2 | 1453.5 | 1452.7 |
| 157.5° | 1480.8 | 1482.1 | 1483.5 | 1483.5 | 1482.1 | 1480.8 | 1479.4 | 1478.0 |
| 160° | 1498.0 | 1499.6 | 1501.2 | 1501.2 | 1499.6 | 1498.0 | 1496.5 | 1494.9 |
| 162.5° | 1512.2 | 1513.7 | 1515.3 | 1515.2 | 1513.4 | 1511.7 | 1509.8 | 1508.0 |
| 165° | 1532.0 | 1534.1 | 1536.1 | 1536.0 | 1533.7 | 1531.3 | 1528.9 | 1526.6 |
| 167.5° | 1546.5 | 1548.7 | 1551.1 | 1550.8 | 1548.3 | 1545.7 | 1543.1 | 1540.4 |
| 170° | 1555.4 | 1557.5 | 1559.6 | 1559.3 | 1556.7 | 1554.1 | 1551.6 | 1548.9 |
| 172.5° | 1561.0 | 1563.2 | 1565.2 | 1564.9 | 1562.1 | 1559.2 | 1556.4 | 1553.6 |
| 175° | 1567.7 | 1570.0 | 1572.4 | 1572.0 | 1568.8 | 1565.7 | 1562.6 | 1559.4 |
| 177.5° | 1570.3 | 1572.0 | 1573.7 | 1573.3 | 1570.7 | 1568.2 | 1565.7 | 1563.3 |
| 180° | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 | 1568.8 |

(END OF REPORT)