

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: P332664-930

Luminaire Tested: **S124DIP-S1020D1205U930-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332664-930
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-S1020D1205U930-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1020 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: 7353.1 lumens
Efficiency: N/A
Efficacy: 112.4 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: General Diffuse

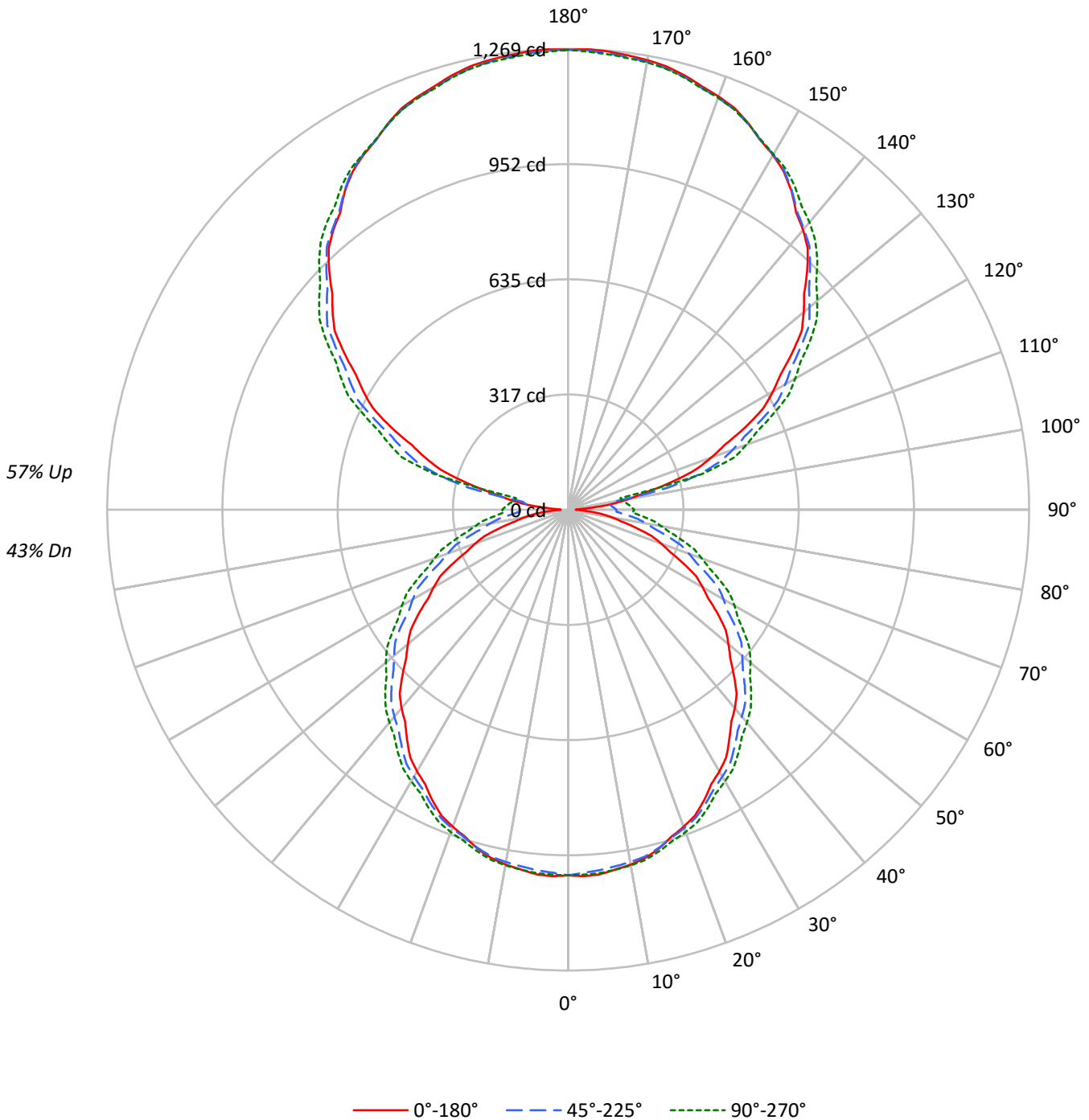
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-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 | 106 | 106 | 106 | 106 | 96 | 96 | 96 | 96 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 43 |
| 1 | 95 | 91 | 87 | 83 | 87 | 83 | 79 | 76 | 68 | 66 | 63 | 55 | 53 | 52 | 43 | 41 | 40 | 35 |
| 2 | 86 | 79 | 72 | 67 | 79 | 72 | 66 | 62 | 59 | 55 | 52 | 48 | 45 | 42 | 37 | 35 | 33 | 28 |
| 3 | 79 | 69 | 61 | 55 | 71 | 63 | 56 | 51 | 52 | 47 | 43 | 42 | 38 | 35 | 32 | 30 | 28 | 23 |
| 4 | 72 | 61 | 53 | 46 | 65 | 56 | 48 | 43 | 46 | 41 | 36 | 37 | 33 | 30 | 29 | 26 | 24 | 20 |
| 5 | 66 | 54 | 46 | 39 | 60 | 49 | 42 | 37 | 41 | 35 | 31 | 33 | 29 | 26 | 26 | 23 | 21 | 17 |
| 6 | 60 | 48 | 40 | 34 | 55 | 44 | 37 | 32 | 37 | 31 | 27 | 30 | 26 | 22 | 23 | 20 | 18 | 15 |
| 7 | 56 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 33 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8 | 52 | 39 | 31 | 26 | 47 | 36 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 17 | 19 | 16 | 14 | 12 |
| 9 | 48 | 36 | 28 | 23 | 44 | 33 | 26 | 22 | 28 | 22 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 10 |
| 10 | 45 | 33 | 25 | 21 | 41 | 30 | 24 | 19 | 25 | 20 | 17 | 21 | 17 | 14 | 17 | 14 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8127 | 8127 | 8127 |
| 5° | 8151 | 7942 | 7965 |
| 10° | 8102 | 7812 | 7807 |
| 15° | 8029 | 7662 | 7620 |
| 20° | 7920 | 7496 | 7438 |
| 25° | 7797 | 7310 | 7239 |
| 30° | 7663 | 7125 | 7034 |
| 35° | 7511 | 6935 | 6855 |
| 40° | 7390 | 6755 | 6667 |
| 45° | 7210 | 6588 | 6507 |
| 50° | 7059 | 6397 | 6337 |
| 55° | 6902 | 6217 | 6138 |
| 60° | 6657 | 5986 | 5956 |
| 65° | 6389 | 5740 | 5734 |
| 70° | 6066 | 5458 | 5474 |
| 75° | 5612 | 5146 | 5239 |
| 80° | 5110 | 4847 | 5007 |
| 85° | 4474 | 4583 | 4872 |



TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.3 | 1.3 |
| 10°-20° | 273.1 | 3.7 |
| 20°-30° | 413.0 | 5.6 |
| 30°-40° | 499.7 | 6.8 |
| 40°-50° | 528.2 | 7.2 |
| 50°-60° | 497.1 | 6.8 |
| 60°-70° | 412.5 | 5.6 |
| 70°-80° | 289.7 | 3.9 |
| 80°-90° | 167.4 | 2.3 |
| 90°-100° | 140.6 | 1.9 |
| 100°-110° | 348.2 | 4.7 |
| 110°-120° | 576.7 | 7.8 |
| 120°-130° | 698.0 | 9.5 |
| 130°-140° | 729.4 | 9.9 |
| 140°-150° | 673.5 | 9.2 |
| 150°-160° | 541.2 | 7.4 |
| 160°-170° | 349.1 | 4.7 |
| 170°-180° | 120.3 | 1.6 |
| 0°-30° | 781.4 | 10.6 |
| 0°-40° | 1281.1 | 17.4 |
| 0°-60° | 2306.5 | 31.4 |
| 0°-90° | 3176.1 | 43.2 |
| 90°-120° | 1065.5 | 14.5 |
| 90°-150° | 3166.4 | 43.1 |
| 90°-180° | 4177.0 | 56.8 |
| 0°-180° | 7353.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1007 | 1007 | 1007 | 1007 | 1007 | |
| 5° | 1008 | 1004 | 996 | 1005 | 1004 | 96 |
| 15° | 966 | 967 | 964 | 973 | 973 | 272 |
| 25° | 884 | 890 | 894 | 906 | 907 | 407 |
| 35° | 773 | 787 | 798 | 813 | 817 | 484 |
| 45° | 645 | 666 | 688 | 706 | 712 | 498 |
| 55° | 505 | 529 | 562 | 584 | 592 | 450 |
| 65° | 349 | 386 | 424 | 451 | 461 | 346 |
| 75° | 194 | 236 | 283 | 313 | 325 | 206 |
| 85° | 60 | 107 | 158 | 190 | 203 | 64 |
| 90° | 21 | 76 | 132 | 169 | 182 | 14 |
| 95° | 67 | 74 | 119 | 154 | 166 | 79 |
| 105° | 295 | 324 | 370 | 403 | 382 | 310 |
| 115° | 539 | 553 | 587 | 613 | 622 | 531 |
| 125° | 753 | 757 | 782 | 805 | 814 | 672 |
| 135° | 931 | 930 | 941 | 961 | 970 | 717 |
| 145° | 1072 | 1073 | 1073 | 1081 | 1087 | 669 |
| 155° | 1174 | 1174 | 1172 | 1175 | 1173 | 541 |
| 165° | 1238 | 1234 | 1234 | 1240 | 1232 | 350 |
| 175° | 1267 | 1261 | 1262 | 1269 | 1259 | 121 |
| 180° | 1267 | 1267 | 1267 | 1267 | 1267 | |



TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 |
| 2.5° | 1010.2 | 1009.7 | 1009.0 | 1008.4 | 1007.8 | 1006.7 | 1005.1 | 1003.6 | 1001.9 | 1000.3 | 1001.7 |
| 5° | 1007.7 | 1007.0 | 1006.2 | 1005.5 | 1004.8 | 1003.5 | 1001.8 | 1000.0 | 998.3 | 996.5 | 998.5 |
| 7.5° | 999.1 | 998.7 | 998.3 | 997.8 | 997.4 | 996.5 | 995.0 | 993.5 | 992.1 | 990.6 | 992.9 |
| 10° | 992.0 | 991.7 | 991.5 | 991.2 | 991.0 | 990.2 | 989.0 | 987.7 | 986.4 | 985.2 | 987.5 |
| 12.5° | 982.0 | 982.0 | 981.9 | 981.9 | 981.9 | 981.4 | 980.6 | 979.7 | 978.8 | 978.0 | 980.1 |
| 15° | 966.0 | 966.3 | 966.5 | 966.8 | 967.0 | 966.8 | 966.0 | 965.3 | 964.5 | 963.8 | 966.0 |
| 17.5° | 944.2 | 944.9 | 945.7 | 946.4 | 947.2 | 947.5 | 947.3 | 947.2 | 947.1 | 946.9 | 949.2 |
| 20° | 928.9 | 929.6 | 930.3 | 931.1 | 931.9 | 932.4 | 932.6 | 932.9 | 933.1 | 933.4 | 935.9 |
| 22.5° | 911.7 | 912.6 | 913.6 | 914.6 | 915.5 | 916.2 | 916.6 | 917.1 | 917.5 | 918.0 | 920.6 |
| 25° | 883.8 | 885.3 | 886.7 | 888.3 | 889.7 | 890.9 | 891.6 | 892.4 | 893.2 | 893.9 | 896.7 |
| 27.5° | 852.6 | 854.8 | 857.0 | 859.2 | 861.4 | 863.2 | 864.3 | 865.4 | 866.6 | 867.7 | 870.3 |
| 30° | 831.9 | 833.9 | 835.9 | 837.9 | 839.9 | 841.8 | 843.5 | 845.3 | 847.0 | 848.8 | 851.6 |
| 32.5° | 809.3 | 811.8 | 814.2 | 816.6 | 819.0 | 821.2 | 823.1 | 825.1 | 827.0 | 829.0 | 832.1 |
| 35° | 773.3 | 776.3 | 779.3 | 782.3 | 785.3 | 788.1 | 790.6 | 793.0 | 795.6 | 798.1 | 801.6 |
| 37.5° | 736.9 | 740.5 | 743.9 | 747.4 | 750.8 | 754.1 | 757.2 | 760.3 | 763.4 | 766.5 | 770.1 |
| 40° | 713.5 | 716.8 | 720.1 | 723.3 | 726.6 | 729.9 | 733.4 | 736.9 | 740.5 | 744.0 | 747.7 |
| 42.5° | 686.5 | 690.2 | 693.8 | 697.5 | 701.1 | 705.0 | 709.1 | 713.2 | 717.3 | 721.5 | 725.6 |
| 45° | 644.7 | 649.5 | 654.3 | 659.1 | 663.8 | 668.5 | 673.4 | 678.1 | 682.8 | 687.6 | 691.9 |
| 47.5° | 604.9 | 609.8 | 614.7 | 619.6 | 624.5 | 629.7 | 635.2 | 640.7 | 646.3 | 651.8 | 656.2 |
| 50° | 576.0 | 581.6 | 587.0 | 592.6 | 598.0 | 603.6 | 609.1 | 614.6 | 620.1 | 625.6 | 630.6 |
| 52.5° | 547.1 | 552.7 | 558.2 | 563.7 | 569.2 | 575.1 | 581.4 | 587.7 | 594.0 | 600.4 | 605.4 |
| 55° | 505.0 | 510.3 | 515.5 | 520.8 | 526.0 | 532.4 | 540.0 | 547.5 | 555.0 | 562.5 | 567.5 |
| 57.5° | 457.9 | 464.4 | 470.9 | 477.4 | 484.0 | 490.9 | 498.4 | 505.9 | 513.3 | 520.8 | 526.8 |
| 60° | 427.2 | 433.7 | 440.3 | 446.8 | 453.3 | 460.6 | 469.0 | 477.2 | 485.4 | 493.7 | 499.5 |
| 62.5° | 397.5 | 404.6 | 411.7 | 418.8 | 425.9 | 433.6 | 441.9 | 450.1 | 458.4 | 466.7 | 472.5 |
| 65° | 349.4 | 357.4 | 365.5 | 373.5 | 381.5 | 389.8 | 398.3 | 406.8 | 415.3 | 423.9 | 430.1 |
| 67.5° | 303.2 | 311.8 | 320.2 | 328.8 | 337.3 | 346.1 | 355.2 | 364.4 | 373.5 | 382.6 | 389.0 |
| 70° | 271.7 | 280.2 | 288.7 | 297.2 | 305.7 | 314.8 | 324.2 | 333.8 | 343.3 | 352.9 | 359.6 |
| 72.5° | 241.0 | 249.7 | 258.4 | 267.2 | 275.9 | 285.3 | 295.4 | 305.5 | 315.7 | 325.8 | 332.3 |
| 75° | 193.9 | 203.2 | 212.4 | 221.7 | 231.0 | 240.8 | 251.4 | 261.9 | 272.4 | 282.9 | 289.9 |
| 77.5° | 149.9 | 159.7 | 169.6 | 179.4 | 189.2 | 199.6 | 210.7 | 221.7 | 232.7 | 243.7 | 250.8 |
| 80° | 122.9 | 132.9 | 142.9 | 153.0 | 163.0 | 173.5 | 184.5 | 195.5 | 206.5 | 217.5 | 225.1 |
| 82.5° | 95.8 | 106.2 | 116.7 | 127.1 | 137.5 | 148.2 | 159.2 | 170.2 | 181.3 | 192.3 | 200.0 |
| 85° | 59.8 | 70.3 | 80.8 | 91.3 | 101.8 | 112.8 | 124.0 | 135.3 | 146.5 | 157.8 | 165.3 |
| 87.5° | 33.9 | 44.6 | 55.3 | 66.0 | 76.6 | 87.6 | 99.0 | 110.3 | 121.6 | 132.9 | 140.4 |
| 90° | 20.9 | 33.2 | 45.6 | 57.9 | 70.2 | 82.6 | 95.1 | 107.5 | 120.0 | 132.4 | 141.0 |
| 92.5° | 29.1 | 38.2 | 47.4 | 56.5 | 65.6 | 76.5 | 88.9 | 101.3 | 113.8 | 126.3 | 134.6 |
| 95° | 66.8 | 67.8 | 69.0 | 70.1 | 71.2 | 77.0 | 87.5 | 97.9 | 108.4 | 118.9 | 126.9 |
| 97.5° | 123.9 | 135.5 | 147.1 | 158.7 | 170.2 | 169.4 | 156.0 | 142.8 | 129.4 | 116.1 | 122.8 |
| 100° | 167.8 | 178.1 | 188.3 | 198.7 | 209.0 | 204.5 | 185.2 | 165.9 | 146.7 | 127.3 | 130.5 |
| 102.5° | 217.8 | 226.2 | 234.7 | 243.3 | 251.8 | 258.9 | 264.6 | 270.4 | 276.2 | 282.0 | 250.0 |
| 105° | 295.3 | 301.6 | 307.9 | 314.1 | 320.4 | 328.6 | 339.0 | 349.4 | 359.6 | 370.0 | 378.1 |
| 107.5° | 369.2 | 373.9 | 378.6 | 383.4 | 388.1 | 395.6 | 405.8 | 416.0 | 426.2 | 436.3 | 443.4 |
| 110° | 418.2 | 422.4 | 426.6 | 430.7 | 434.8 | 441.9 | 451.9 | 461.9 | 472.0 | 482.0 | 488.2 |



TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 465.9 | 470.1 | 474.3 | 478.6 | 482.8 | 489.4 | 498.4 | 507.4 | 516.3 | 525.3 | 530.8 |
| 115° | 539.2 | 542.1 | 544.9 | 547.8 | 550.7 | 556.0 | 563.9 | 571.7 | 579.5 | 587.3 | 593.2 |
| 117.5° | 606.2 | 608.4 | 610.6 | 612.8 | 615.0 | 620.0 | 627.9 | 635.9 | 643.8 | 651.8 | 656.9 |
| 120° | 650.8 | 652.4 | 654.0 | 655.6 | 657.1 | 661.5 | 668.5 | 675.6 | 682.7 | 689.7 | 695.1 |
| 122.5° | 693.2 | 693.9 | 694.6 | 695.2 | 695.9 | 699.8 | 706.9 | 714.0 | 721.2 | 728.4 | 733.6 |
| 125° | 752.9 | 753.5 | 754.1 | 754.7 | 755.3 | 758.5 | 764.3 | 770.2 | 776.0 | 781.9 | 787.3 |
| 127.5° | 810.2 | 810.2 | 810.2 | 810.2 | 810.1 | 813.0 | 818.8 | 824.5 | 830.3 | 836.1 | 840.5 |
| 130° | 846.5 | 846.4 | 846.4 | 846.4 | 846.4 | 848.6 | 853.3 | 857.9 | 862.6 | 867.2 | 872.0 |
| 132.5° | 880.6 | 880.8 | 880.8 | 881.0 | 881.1 | 883.2 | 887.2 | 891.2 | 895.2 | 899.2 | 903.8 |
| 135° | 930.7 | 930.4 | 930.3 | 930.0 | 929.8 | 931.0 | 933.6 | 936.2 | 938.8 | 941.3 | 945.8 |
| 137.5° | 975.9 | 975.8 | 975.6 | 975.4 | 975.3 | 976.1 | 977.9 | 979.7 | 981.4 | 983.2 | 987.3 |
| 140° | 1005.5 | 1005.7 | 1005.8 | 1006.0 | 1006.2 | 1006.6 | 1007.3 | 1008.0 | 1008.6 | 1009.3 | 1013.2 |
| 142.5° | 1031.1 | 1031.8 | 1032.5 | 1033.2 | 1034.0 | 1034.4 | 1034.5 | 1034.5 | 1034.6 | 1034.8 | 1038.0 |
| 145° | 1071.6 | 1072.0 | 1072.4 | 1072.8 | 1073.2 | 1073.3 | 1073.3 | 1073.3 | 1073.3 | 1073.3 | 1075.1 |
| 147.5° | 1104.0 | 1105.0 | 1105.9 | 1106.8 | 1107.7 | 1108.1 | 1107.9 | 1107.7 | 1107.4 | 1107.3 | 1107.6 |
| 150° | 1127.5 | 1128.1 | 1128.7 | 1129.3 | 1129.8 | 1130.1 | 1129.8 | 1129.7 | 1129.4 | 1129.2 | 1129.2 |
| 152.5° | 1146.3 | 1147.0 | 1147.5 | 1148.2 | 1148.8 | 1148.9 | 1148.6 | 1148.2 | 1147.8 | 1147.5 | 1147.8 |
| 155° | 1173.8 | 1173.9 | 1174.2 | 1174.4 | 1174.6 | 1174.4 | 1173.8 | 1173.1 | 1172.5 | 1171.8 | 1172.7 |
| 157.5° | 1197.0 | 1196.9 | 1196.8 | 1196.7 | 1196.5 | 1196.1 | 1195.4 | 1194.7 | 1194.0 | 1193.3 | 1194.3 |
| 160° | 1210.7 | 1210.1 | 1209.4 | 1208.8 | 1208.2 | 1207.8 | 1207.5 | 1207.3 | 1207.1 | 1206.9 | 1208.2 |
| 162.5° | 1222.8 | 1222.1 | 1221.2 | 1220.4 | 1219.6 | 1219.1 | 1218.9 | 1218.7 | 1218.5 | 1218.3 | 1219.5 |
| 165° | 1238.2 | 1237.1 | 1236.1 | 1235.0 | 1234.0 | 1233.5 | 1233.5 | 1233.5 | 1233.5 | 1233.5 | 1235.1 |
| 167.5° | 1250.3 | 1249.2 | 1248.1 | 1247.0 | 1245.9 | 1245.3 | 1245.2 | 1245.0 | 1245.0 | 1244.8 | 1246.7 |
| 170° | 1257.1 | 1255.9 | 1254.6 | 1253.4 | 1252.1 | 1251.6 | 1251.7 | 1252.0 | 1252.1 | 1252.4 | 1254.1 |
| 172.5° | 1261.7 | 1260.4 | 1259.1 | 1257.8 | 1256.6 | 1256.1 | 1256.3 | 1256.5 | 1256.7 | 1256.9 | 1258.6 |
| 175° | 1266.6 | 1265.3 | 1264.0 | 1262.8 | 1261.5 | 1261.0 | 1261.2 | 1261.4 | 1261.7 | 1261.8 | 1263.7 |
| 177.5° | 1268.9 | 1267.7 | 1266.5 | 1265.3 | 1264.1 | 1263.7 | 1264.0 | 1264.4 | 1264.8 | 1265.1 | 1266.4 |
| 180° | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 |



TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 | 1006.7 |
| 2.5° | 1003.1 | 1004.5 | 1005.9 | 1006.5 | 1006.3 | 1006.1 | 1005.9 | 1005.8 |
| 5° | 1000.5 | 1002.5 | 1004.5 | 1005.3 | 1005.1 | 1004.9 | 1004.6 | 1004.4 |
| 7.5° | 995.2 | 997.4 | 999.6 | 1000.6 | 1000.4 | 1000.1 | 999.9 | 999.6 |
| 10° | 989.7 | 992.0 | 994.3 | 995.2 | 995.0 | 994.7 | 994.5 | 994.3 |
| 12.5° | 982.1 | 984.1 | 986.2 | 987.2 | 987.2 | 987.1 | 987.1 | 987.0 |
| 15° | 968.3 | 970.5 | 972.8 | 973.8 | 973.5 | 973.3 | 973.1 | 972.8 |
| 17.5° | 951.5 | 953.8 | 956.1 | 957.2 | 956.9 | 956.8 | 956.5 | 956.3 |
| 20° | 938.3 | 940.9 | 943.4 | 944.6 | 944.6 | 944.6 | 944.6 | 944.6 |
| 22.5° | 923.0 | 925.5 | 928.1 | 929.5 | 929.9 | 930.3 | 930.7 | 931.1 |
| 25° | 899.4 | 902.1 | 904.9 | 906.4 | 906.7 | 906.9 | 907.2 | 907.4 |
| 27.5° | 872.9 | 875.4 | 878.0 | 879.4 | 879.7 | 880.0 | 880.3 | 880.6 |
| 30° | 854.4 | 857.0 | 859.8 | 861.4 | 861.9 | 862.4 | 863.0 | 863.5 |
| 32.5° | 835.3 | 838.5 | 841.6 | 843.4 | 843.9 | 844.4 | 844.9 | 845.5 |
| 35° | 805.1 | 808.6 | 812.1 | 814.2 | 815.0 | 815.7 | 816.5 | 817.3 |
| 37.5° | 773.6 | 777.2 | 780.7 | 782.9 | 783.7 | 784.6 | 785.3 | 786.1 |
| 40° | 751.5 | 755.2 | 759.0 | 761.4 | 762.4 | 763.4 | 764.4 | 765.4 |
| 42.5° | 729.8 | 733.9 | 738.1 | 740.5 | 741.4 | 742.2 | 743.0 | 743.7 |
| 45° | 696.1 | 700.4 | 704.7 | 707.4 | 708.7 | 709.9 | 711.2 | 712.4 |
| 47.5° | 660.6 | 665.0 | 669.4 | 672.4 | 673.8 | 675.4 | 676.9 | 678.4 |
| 50° | 635.6 | 640.7 | 645.6 | 648.9 | 650.4 | 651.9 | 653.4 | 654.9 |
| 52.5° | 610.4 | 615.4 | 620.4 | 623.6 | 625.2 | 626.6 | 628.2 | 629.7 |
| 55° | 572.5 | 577.6 | 582.5 | 585.8 | 587.3 | 588.8 | 590.3 | 591.8 |
| 57.5° | 532.7 | 538.7 | 544.6 | 548.3 | 549.7 | 551.1 | 552.5 | 553.9 |
| 60° | 505.2 | 511.0 | 516.7 | 520.7 | 522.7 | 524.6 | 526.7 | 528.6 |
| 62.5° | 478.2 | 484.0 | 489.8 | 493.6 | 495.6 | 497.6 | 499.6 | 501.7 |
| 65° | 436.3 | 442.6 | 448.9 | 453.1 | 455.0 | 457.1 | 459.0 | 461.1 |
| 67.5° | 395.3 | 401.7 | 408.1 | 412.2 | 414.2 | 416.1 | 418.1 | 420.0 |
| 70° | 366.3 | 373.1 | 379.8 | 384.2 | 385.9 | 387.7 | 389.4 | 391.2 |
| 72.5° | 338.9 | 345.4 | 352.0 | 356.3 | 358.2 | 360.2 | 362.2 | 364.1 |
| 75° | 296.9 | 303.9 | 311.0 | 315.6 | 317.9 | 320.2 | 322.4 | 324.7 |
| 77.5° | 258.0 | 265.1 | 272.1 | 277.0 | 279.3 | 281.8 | 284.1 | 286.6 |
| 80° | 232.6 | 240.1 | 247.6 | 252.3 | 254.4 | 256.4 | 258.4 | 260.4 |
| 82.5° | 207.7 | 215.5 | 223.1 | 228.1 | 230.3 | 232.5 | 234.7 | 236.9 |
| 85° | 172.8 | 180.3 | 187.8 | 192.9 | 195.4 | 197.9 | 200.4 | 202.9 |
| 87.5° | 147.9 | 155.5 | 163.0 | 167.9 | 170.2 | 172.4 | 174.7 | 177.0 |
| 90° | 149.5 | 158.0 | 166.6 | 172.0 | 174.5 | 176.8 | 179.3 | 181.7 |
| 92.5° | 142.9 | 151.2 | 159.6 | 164.8 | 166.9 | 168.9 | 171.0 | 173.2 |
| 95° | 134.9 | 143.0 | 151.0 | 156.3 | 158.7 | 161.2 | 163.6 | 166.2 |
| 97.5° | 129.5 | 136.2 | 142.8 | 147.4 | 149.8 | 152.1 | 154.5 | 156.9 |
| 100° | 133.7 | 136.9 | 140.1 | 142.7 | 144.6 | 146.6 | 148.5 | 150.5 |
| 102.5° | 217.9 | 185.9 | 153.8 | 138.8 | 140.8 | 142.8 | 144.8 | 146.8 |
| 105° | 386.3 | 394.4 | 402.6 | 403.9 | 398.3 | 392.7 | 387.2 | 381.6 |
| 107.5° | 450.5 | 457.6 | 464.7 | 469.6 | 472.1 | 474.7 | 477.4 | 480.0 |
| 110° | 494.4 | 500.6 | 506.8 | 511.2 | 513.8 | 516.4 | 519.1 | 521.7 |



TEST NUMBER: P332664-930

CATALOG NUMBER: S124DIP-S1020D1205U930-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 536.2 | 541.7 | 547.1 | 551.3 | 554.1 | 556.9 | 559.7 | 562.6 |
| 115° | 599.2 | 605.1 | 611.0 | 614.8 | 616.6 | 618.3 | 620.1 | 621.8 |
| 117.5° | 662.0 | 667.2 | 672.3 | 675.8 | 677.7 | 679.6 | 681.5 | 683.5 |
| 120° | 700.6 | 706.0 | 711.4 | 714.9 | 716.5 | 718.1 | 719.7 | 721.2 |
| 122.5° | 738.9 | 744.2 | 749.4 | 752.8 | 754.2 | 755.5 | 756.9 | 758.3 |
| 125° | 792.6 | 798.0 | 803.4 | 807.0 | 808.7 | 810.4 | 812.1 | 813.8 |
| 127.5° | 844.9 | 849.2 | 853.6 | 856.6 | 858.1 | 859.7 | 861.2 | 862.7 |
| 130° | 876.7 | 881.3 | 886.1 | 889.2 | 890.7 | 892.2 | 893.7 | 895.2 |
| 132.5° | 908.2 | 912.8 | 917.3 | 920.2 | 921.5 | 922.9 | 924.2 | 925.5 |
| 135° | 950.2 | 954.6 | 959.1 | 962.3 | 964.2 | 966.1 | 968.0 | 970.0 |
| 137.5° | 991.4 | 995.6 | 999.6 | 1002.2 | 1003.4 | 1004.5 | 1005.7 | 1006.8 |
| 140° | 1017.1 | 1020.9 | 1024.8 | 1027.5 | 1029.0 | 1030.5 | 1031.9 | 1033.4 |
| 142.5° | 1041.4 | 1044.7 | 1048.1 | 1050.3 | 1051.3 | 1052.4 | 1053.5 | 1054.6 |
| 145° | 1076.8 | 1078.5 | 1080.2 | 1081.7 | 1083.2 | 1084.6 | 1086.1 | 1087.4 |
| 147.5° | 1108.0 | 1108.3 | 1108.7 | 1109.4 | 1110.4 | 1111.4 | 1112.5 | 1113.5 |
| 150° | 1129.2 | 1129.2 | 1129.2 | 1129.4 | 1129.5 | 1129.8 | 1130.0 | 1130.2 |
| 152.5° | 1148.1 | 1148.4 | 1148.8 | 1148.8 | 1148.8 | 1148.6 | 1148.5 | 1148.3 |
| 155° | 1173.5 | 1174.4 | 1175.3 | 1175.3 | 1174.7 | 1174.0 | 1173.5 | 1172.8 |
| 157.5° | 1195.5 | 1196.5 | 1197.7 | 1197.7 | 1196.5 | 1195.5 | 1194.3 | 1193.3 |
| 160° | 1209.4 | 1210.7 | 1211.9 | 1211.9 | 1210.7 | 1209.4 | 1208.2 | 1206.9 |
| 162.5° | 1220.8 | 1222.1 | 1223.4 | 1223.3 | 1221.8 | 1220.4 | 1219.0 | 1217.5 |
| 165° | 1236.8 | 1238.5 | 1240.2 | 1240.1 | 1238.2 | 1236.2 | 1234.4 | 1232.5 |
| 167.5° | 1248.5 | 1250.3 | 1252.2 | 1252.1 | 1250.0 | 1247.9 | 1245.8 | 1243.7 |
| 170° | 1255.7 | 1257.4 | 1259.1 | 1258.9 | 1256.8 | 1254.7 | 1252.6 | 1250.5 |
| 172.5° | 1260.3 | 1262.0 | 1263.6 | 1263.4 | 1261.1 | 1258.8 | 1256.5 | 1254.3 |
| 175° | 1265.7 | 1267.5 | 1269.4 | 1269.1 | 1266.6 | 1264.0 | 1261.5 | 1259.0 |
| 177.5° | 1267.8 | 1269.1 | 1270.5 | 1270.2 | 1268.1 | 1266.1 | 1264.0 | 1262.1 |
| 180° | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 | 1266.6 |

(END OF REPORT)