

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: P332768-840

Luminaire Tested: **S124DIW-S575D1340U840-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332768-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S575D1340U840-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7220.0 lumens
Efficiency: N/A
Efficacy: 134.2 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: Semi-Indirect

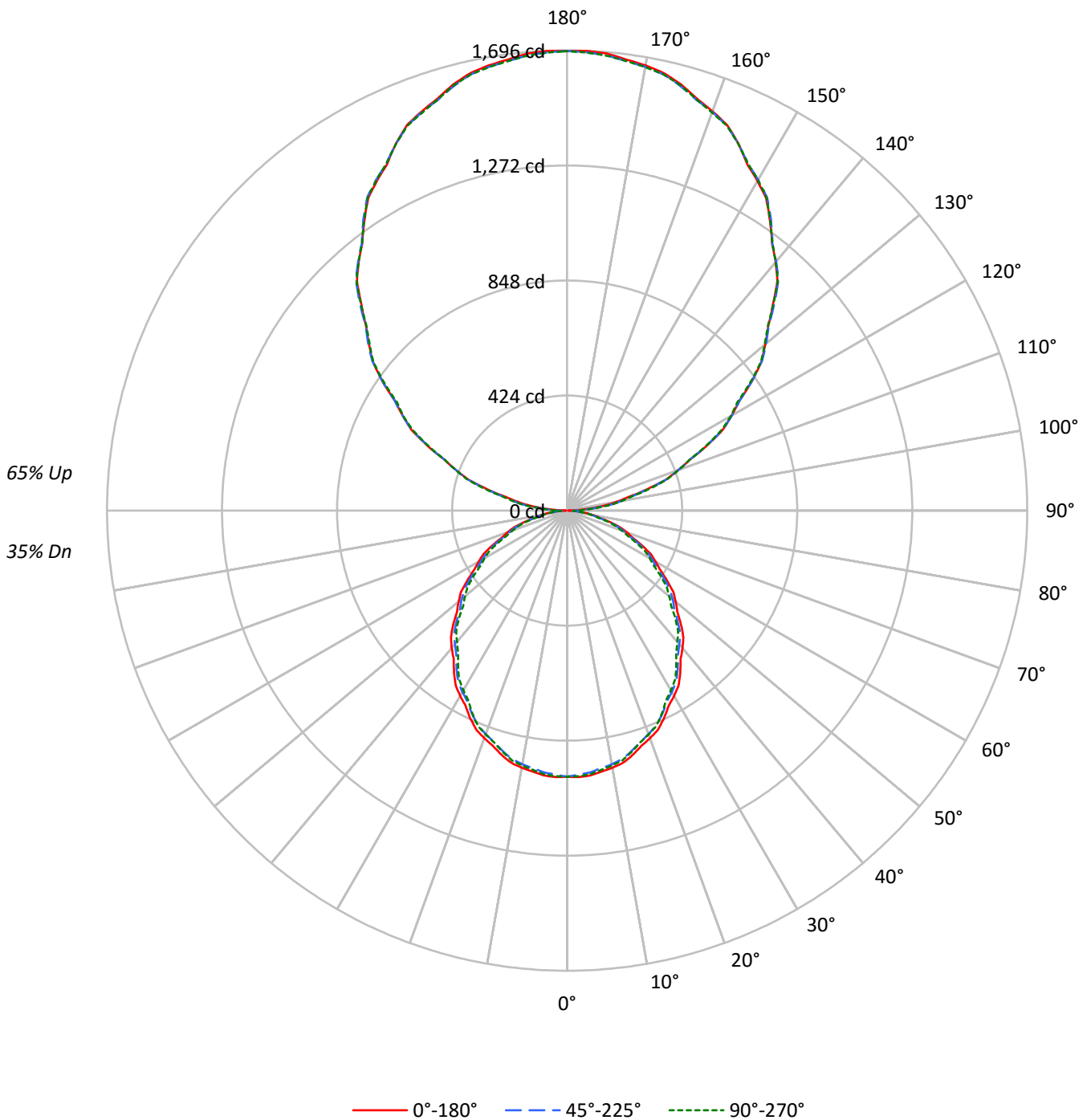
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

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 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 |
| 1 | 94 | 90 | 86 | 83 | 85 | 82 | 78 | 75 | 66 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 36 | 29 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 | 25 |
| 3 | 78 | 69 | 62 | 56 | 70 | 63 | 57 | 52 | 51 | 46 | 43 | 39 | 36 | 34 | 29 | 27 | 25 | 21 |
| 4 | 72 | 61 | 53 | 47 | 64 | 55 | 49 | 44 | 45 | 40 | 36 | 35 | 32 | 29 | 26 | 24 | 22 | 18 |
| 5 | 66 | 54 | 46 | 41 | 59 | 49 | 42 | 37 | 40 | 35 | 31 | 31 | 28 | 25 | 23 | 21 | 19 | 15 |
| 6 | 60 | 49 | 41 | 35 | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 28 | 25 | 22 | 21 | 19 | 17 | 14 |
| 7 | 56 | 44 | 36 | 31 | 50 | 40 | 33 | 28 | 33 | 27 | 24 | 26 | 22 | 19 | 19 | 17 | 15 | 12 |
| 8 | 52 | 40 | 32 | 27 | 47 | 36 | 30 | 25 | 30 | 25 | 21 | 23 | 20 | 17 | 18 | 15 | 13 | 11 |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 27 | 22 | 27 | 22 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 10 |
| 10 | 45 | 33 | 26 | 21 | 40 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 15 | 13 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7917 | 7917 | 7917 |
| 5° | 7942 | 7846 | 7903 |
| 10° | 7891 | 7782 | 7820 |
| 15° | 7796 | 7672 | 7691 |
| 20° | 7669 | 7534 | 7541 |
| 25° | 7525 | 7378 | 7357 |
| 30° | 7347 | 7194 | 7127 |
| 35° | 7164 | 7001 | 6908 |
| 40° | 6973 | 6783 | 6658 |
| 45° | 6774 | 6567 | 6441 |
| 50° | 6553 | 6376 | 6178 |
| 55° | 6315 | 6128 | 5928 |
| 60° | 6077 | 5848 | 5670 |
| 65° | 5809 | 5585 | 5358 |
| 70° | 5509 | 5231 | 5028 |
| 75° | 5050 | 4803 | 4682 |
| 80° | 4491 | 4310 | 4203 |
| 85° | 3927 | 3788 | 3714 |



TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.4 | 1.3 |
| 10°-20° | 260.2 | 3.6 |
| 20°-30° | 383.0 | 5.3 |
| 30°-40° | 445.3 | 6.2 |
| 40°-50° | 445.3 | 6.2 |
| 50°-60° | 389.5 | 5.4 |
| 60°-70° | 289.3 | 4.0 |
| 70°-80° | 164.3 | 2.3 |
| 80°-90° | 52.5 | 0.7 |
| 90°-100° | 111.7 | 1.5 |
| 100°-110° | 330.9 | 4.6 |
| 110°-120° | 561.6 | 7.8 |
| 120°-130° | 740.5 | 10.3 |
| 130°-140° | 831.6 | 11.5 |
| 140°-150° | 817.2 | 11.3 |
| 150°-160° | 687.3 | 9.5 |
| 160°-170° | 457.3 | 6.3 |
| 170°-180° | 160.1 | 2.2 |
| 0°-30° | 735.6 | 10.2 |
| 0°-40° | 1180.9 | 16.4 |
| 0°-60° | 2015.7 | 27.9 |
| 0°-90° | 2521.7 | 34.9 |
| 90°-120° | 1004.2 | 13.9 |
| 90°-150° | 3393.5 | 47.0 |
| 90°-180° | 4698.0 | 65.1 |
| 0°-180° | 7220.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 981 | 981 | 981 | 981 | 981 | |
| 5° | 980 | 976 | 968 | 976 | 975 | 93 |
| 15° | 933 | 929 | 918 | 922 | 920 | 263 |
| 25° | 845 | 839 | 828 | 829 | 826 | 388 |
| 35° | 727 | 721 | 710 | 705 | 701 | 454 |
| 45° | 593 | 587 | 575 | 567 | 564 | 457 |
| 55° | 449 | 446 | 435 | 426 | 421 | 402 |
| 65° | 304 | 300 | 292 | 285 | 280 | 301 |
| 75° | 162 | 158 | 154 | 151 | 150 | 172 |
| 85° | 42 | 42 | 41 | 41 | 40 | 47 |
| 90° | 4 | 18 | 29 | 36 | 39 | 7 |
| 95° | 79 | 90 | 100 | 103 | 104 | 87 |
| 105° | 305 | 307 | 312 | 316 | 320 | 324 |
| 115° | 571 | 571 | 568 | 567 | 566 | 563 |
| 125° | 832 | 832 | 830 | 828 | 825 | 741 |
| 135° | 1073 | 1080 | 1080 | 1078 | 1074 | 830 |
| 145° | 1303 | 1308 | 1310 | 1308 | 1304 | 815 |
| 155° | 1493 | 1493 | 1492 | 1496 | 1492 | 687 |
| 165° | 1625 | 1621 | 1619 | 1626 | 1621 | 458 |
| 175° | 1691 | 1685 | 1683 | 1691 | 1683 | 160 |
| 180° | 1693 | 1693 | 1693 | 1693 | 1693 | |



TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 |
| 2.5° | 983.2 | 982.8 | 982.4 | 982.0 | 981.6 | 980.6 | 979.1 | 977.5 | 975.9 | 974.4 | 975.8 |
| 5° | 980.0 | 979.3 | 978.6 | 977.9 | 977.1 | 975.8 | 973.9 | 972.0 | 970.1 | 968.2 | 970.1 |
| 7.5° | 970.8 | 970.1 | 969.5 | 968.8 | 968.1 | 966.6 | 964.5 | 962.4 | 960.2 | 958.1 | 959.7 |
| 10° | 962.6 | 962.0 | 961.3 | 960.6 | 959.9 | 958.4 | 956.1 | 953.8 | 951.6 | 949.3 | 950.7 |
| 12.5° | 952.0 | 951.3 | 950.6 | 949.9 | 949.2 | 947.7 | 945.2 | 942.8 | 940.4 | 938.0 | 939.5 |
| 15° | 932.8 | 932.1 | 931.4 | 930.7 | 930.0 | 928.4 | 925.7 | 923.1 | 920.5 | 917.9 | 918.9 |
| 17.5° | 909.7 | 908.8 | 908.0 | 907.1 | 906.2 | 904.5 | 902.0 | 899.6 | 897.1 | 894.6 | 895.2 |
| 20° | 892.7 | 891.8 | 891.0 | 890.1 | 889.2 | 887.5 | 884.8 | 882.2 | 879.6 | 877.0 | 877.5 |
| 22.5° | 874.4 | 873.3 | 872.2 | 871.0 | 869.9 | 868.0 | 865.4 | 862.7 | 860.1 | 857.5 | 858.5 |
| 25° | 844.8 | 843.5 | 842.3 | 841.1 | 839.9 | 838.1 | 835.6 | 833.1 | 830.7 | 828.3 | 828.5 |
| 27.5° | 810.8 | 809.6 | 808.3 | 807.1 | 805.8 | 804.1 | 801.7 | 799.5 | 797.2 | 795.0 | 794.6 |
| 30° | 788.2 | 786.8 | 785.4 | 784.0 | 782.6 | 780.7 | 778.5 | 776.2 | 774.0 | 771.7 | 771.0 |
| 32.5° | 764.3 | 763.1 | 761.7 | 760.5 | 759.3 | 757.4 | 755.1 | 752.7 | 750.2 | 747.8 | 747.0 |
| 35° | 726.9 | 725.7 | 724.5 | 723.3 | 722.1 | 720.1 | 717.7 | 715.3 | 712.9 | 710.4 | 709.1 |
| 37.5° | 687.4 | 686.3 | 685.2 | 684.1 | 683.0 | 681.2 | 678.5 | 675.9 | 673.3 | 670.7 | 669.3 |
| 40° | 661.7 | 660.2 | 658.8 | 657.5 | 656.1 | 654.1 | 651.5 | 648.8 | 646.2 | 643.6 | 641.9 |
| 42.5° | 634.0 | 633.2 | 632.4 | 631.5 | 630.7 | 628.7 | 625.9 | 623.0 | 620.1 | 617.2 | 615.2 |
| 45° | 593.3 | 592.1 | 590.9 | 589.7 | 588.4 | 586.4 | 583.6 | 580.8 | 578.0 | 575.2 | 573.3 |
| 47.5° | 550.7 | 549.9 | 549.1 | 548.2 | 547.3 | 545.6 | 543.1 | 540.5 | 537.9 | 535.3 | 533.1 |
| 50° | 521.8 | 521.1 | 520.4 | 519.7 | 519.0 | 517.5 | 515.0 | 512.5 | 510.1 | 507.7 | 505.2 |
| 52.5° | 493.5 | 492.7 | 491.8 | 491.0 | 490.2 | 488.5 | 485.8 | 483.3 | 480.7 | 478.1 | 475.9 |
| 55° | 448.7 | 448.2 | 447.7 | 447.2 | 446.7 | 445.1 | 442.7 | 440.2 | 437.8 | 435.4 | 433.2 |
| 57.5° | 406.0 | 405.4 | 404.8 | 404.1 | 403.5 | 402.1 | 399.7 | 397.3 | 394.9 | 392.4 | 390.4 |
| 60° | 376.4 | 375.6 | 374.7 | 373.8 | 372.9 | 371.3 | 369.1 | 366.8 | 364.6 | 362.2 | 360.7 |
| 62.5° | 347.5 | 346.8 | 346.0 | 345.3 | 344.6 | 343.0 | 340.6 | 338.2 | 335.8 | 333.4 | 331.9 |
| 65° | 304.1 | 303.3 | 302.4 | 301.5 | 300.6 | 299.3 | 297.6 | 295.8 | 294.1 | 292.4 | 290.5 |
| 67.5° | 260.4 | 259.6 | 258.8 | 258.0 | 257.2 | 256.0 | 254.3 | 252.7 | 251.0 | 249.2 | 247.6 |
| 70° | 233.4 | 232.2 | 231.0 | 229.7 | 228.5 | 227.2 | 225.8 | 224.4 | 223.0 | 221.6 | 220.3 |
| 72.5° | 204.5 | 203.3 | 202.1 | 200.8 | 199.5 | 198.4 | 197.3 | 196.2 | 195.1 | 193.9 | 192.8 |
| 75° | 161.9 | 161.0 | 160.2 | 159.3 | 158.3 | 157.5 | 156.6 | 155.7 | 154.9 | 154.0 | 153.3 |
| 77.5° | 121.2 | 120.8 | 120.4 | 120.1 | 119.7 | 119.1 | 118.3 | 117.5 | 116.7 | 116.0 | 115.7 |
| 80° | 96.6 | 96.1 | 95.6 | 95.1 | 94.5 | 94.1 | 93.8 | 93.4 | 93.1 | 92.7 | 92.4 |
| 82.5° | 72.8 | 72.5 | 72.3 | 72.0 | 71.8 | 71.6 | 71.6 | 71.5 | 71.4 | 71.4 | 71.1 |
| 85° | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.2 | 41.9 | 41.6 | 41.2 | 40.9 | 40.9 |
| 87.5° | 17.2 | 17.7 | 18.2 | 18.7 | 19.1 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.2 |
| 90° | 3.9 | 7.2 | 10.3 | 13.5 | 16.8 | 19.5 | 21.8 | 24.1 | 26.5 | 28.8 | 30.6 |
| 92.5° | 28.1 | 31.7 | 35.3 | 39.0 | 42.7 | 45.3 | 47.0 | 48.6 | 50.2 | 51.9 | 52.9 |
| 95° | 78.6 | 81.2 | 83.8 | 86.4 | 89.1 | 91.4 | 93.4 | 95.4 | 97.5 | 99.6 | 100.4 |
| 97.5° | 137.2 | 139.4 | 141.5 | 143.5 | 145.6 | 147.8 | 150.3 | 152.7 | 155.0 | 157.4 | 158.4 |
| 100° | 183.4 | 184.5 | 185.7 | 186.8 | 188.0 | 189.9 | 192.5 | 195.1 | 197.7 | 200.4 | 201.0 |
| 102.5° | 231.6 | 232.1 | 232.5 | 233.0 | 233.4 | 234.8 | 237.2 | 239.6 | 242.0 | 244.4 | 245.2 |
| 105° | 305.2 | 305.5 | 305.8 | 306.0 | 306.3 | 307.0 | 308.2 | 309.4 | 310.5 | 311.7 | 312.6 |
| 107.5° | 382.4 | 382.7 | 383.1 | 383.4 | 383.8 | 384.1 | 384.3 | 384.5 | 384.7 | 384.8 | 385.6 |
| 110° | 434.8 | 435.4 | 436.0 | 436.6 | 437.2 | 437.3 | 437.0 | 436.7 | 436.5 | 436.2 | 435.6 |



TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 489.3 | 489.4 | 489.5 | 489.7 | 489.8 | 489.6 | 489.1 | 488.5 | 488.0 | 487.5 | 487.4 |
| 115° | 571.0 | 571.0 | 571.0 | 571.0 | 571.0 | 570.8 | 570.2 | 569.6 | 569.0 | 568.4 | 568.2 |
| 117.5° | 648.0 | 648.2 | 648.5 | 648.7 | 648.9 | 648.8 | 648.4 | 648.0 | 647.6 | 647.2 | 646.2 |
| 120° | 699.3 | 700.5 | 701.7 | 702.9 | 704.0 | 704.2 | 703.3 | 702.5 | 701.6 | 700.6 | 699.2 |
| 122.5° | 752.8 | 753.3 | 753.8 | 754.2 | 754.7 | 754.7 | 754.3 | 753.9 | 753.5 | 753.1 | 752.0 |
| 125° | 831.6 | 831.6 | 831.6 | 831.6 | 831.6 | 831.5 | 831.2 | 830.9 | 830.6 | 830.3 | 829.7 |
| 127.5° | 903.1 | 904.0 | 904.9 | 905.7 | 906.7 | 906.9 | 906.4 | 905.9 | 905.4 | 904.9 | 904.4 |
| 130° | 953.4 | 954.3 | 955.2 | 956.0 | 956.9 | 957.4 | 957.4 | 957.4 | 957.4 | 957.4 | 956.7 |
| 132.5° | 1004.8 | 1005.4 | 1006.0 | 1006.7 | 1007.3 | 1007.5 | 1007.3 | 1007.0 | 1006.8 | 1006.6 | 1006.0 |
| 135° | 1072.6 | 1074.4 | 1076.1 | 1077.8 | 1079.6 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1080.5 | 1079.9 |
| 137.5° | 1146.5 | 1147.3 | 1148.1 | 1148.9 | 1149.7 | 1150.4 | 1150.8 | 1151.3 | 1151.8 | 1152.3 | 1151.4 |
| 140° | 1195.8 | 1196.3 | 1196.9 | 1197.5 | 1198.1 | 1198.3 | 1198.3 | 1198.3 | 1198.3 | 1198.3 | 1198.1 |
| 142.5° | 1240.8 | 1241.3 | 1241.9 | 1242.5 | 1243.1 | 1243.2 | 1243.0 | 1242.8 | 1242.6 | 1242.3 | 1242.3 |
| 145° | 1303.1 | 1304.3 | 1305.5 | 1306.7 | 1307.8 | 1308.5 | 1308.8 | 1309.1 | 1309.4 | 1309.7 | 1309.4 |
| 147.5° | 1364.9 | 1366.3 | 1367.8 | 1369.2 | 1370.5 | 1371.1 | 1370.9 | 1370.7 | 1370.4 | 1370.2 | 1370.0 |
| 150° | 1402.7 | 1403.8 | 1405.0 | 1406.1 | 1407.3 | 1407.9 | 1407.9 | 1407.9 | 1407.9 | 1407.9 | 1407.9 |
| 152.5° | 1438.2 | 1439.0 | 1439.7 | 1440.4 | 1441.1 | 1441.6 | 1441.8 | 1442.0 | 1442.3 | 1442.5 | 1443.2 |
| 155° | 1493.0 | 1493.0 | 1493.0 | 1493.0 | 1493.0 | 1492.9 | 1492.6 | 1492.3 | 1492.0 | 1491.8 | 1492.9 |
| 157.5° | 1539.1 | 1538.6 | 1538.1 | 1537.5 | 1537.0 | 1536.7 | 1536.7 | 1536.6 | 1536.6 | 1536.5 | 1537.4 |
| 160° | 1566.4 | 1566.1 | 1565.8 | 1565.5 | 1565.2 | 1564.9 | 1564.6 | 1564.4 | 1564.1 | 1563.8 | 1564.6 |
| 162.5° | 1591.5 | 1590.7 | 1590.0 | 1589.2 | 1588.5 | 1588.0 | 1587.7 | 1587.4 | 1587.1 | 1586.8 | 1588.4 |
| 165° | 1625.3 | 1624.5 | 1623.6 | 1622.7 | 1621.8 | 1621.1 | 1620.5 | 1619.9 | 1619.3 | 1618.7 | 1620.5 |
| 167.5° | 1651.2 | 1650.0 | 1648.8 | 1647.6 | 1646.4 | 1645.8 | 1645.9 | 1645.9 | 1646.0 | 1646.0 | 1647.8 |
| 170° | 1665.9 | 1664.5 | 1663.0 | 1661.5 | 1660.1 | 1659.5 | 1659.8 | 1660.1 | 1660.4 | 1660.6 | 1662.4 |
| 172.5° | 1676.4 | 1675.2 | 1674.0 | 1672.7 | 1671.5 | 1670.9 | 1671.0 | 1671.0 | 1671.1 | 1671.1 | 1673.1 |
| 175° | 1690.8 | 1689.3 | 1687.9 | 1686.5 | 1685.0 | 1684.1 | 1683.8 | 1683.5 | 1683.2 | 1682.9 | 1685.0 |
| 177.5° | 1695.5 | 1694.4 | 1693.1 | 1692.0 | 1690.8 | 1690.3 | 1690.3 | 1690.3 | 1690.3 | 1690.3 | 1691.9 |
| 180° | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 |



TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 | 980.7 |
| 2.5° | 977.2 | 978.7 | 980.1 | 980.7 | 980.5 | 980.4 | 980.3 | 980.1 |
| 5° | 972.0 | 973.9 | 975.8 | 976.6 | 976.2 | 975.9 | 975.5 | 975.2 |
| 7.5° | 961.2 | 962.7 | 964.2 | 964.9 | 964.7 | 964.5 | 964.3 | 964.0 |
| 10° | 952.1 | 953.5 | 954.9 | 955.4 | 955.0 | 954.7 | 954.3 | 954.0 |
| 12.5° | 941.1 | 942.6 | 944.1 | 944.6 | 944.1 | 943.6 | 943.2 | 942.7 |
| 15° | 920.0 | 921.0 | 922.0 | 922.3 | 921.8 | 921.3 | 920.7 | 920.2 |
| 17.5° | 896.0 | 896.6 | 897.3 | 897.4 | 897.1 | 896.7 | 896.4 | 896.1 |
| 20° | 878.1 | 878.6 | 879.1 | 879.2 | 878.8 | 878.5 | 878.2 | 877.8 |
| 22.5° | 859.4 | 860.3 | 861.3 | 861.4 | 860.8 | 860.2 | 859.6 | 858.9 |
| 25° | 828.6 | 828.8 | 829.0 | 828.7 | 828.0 | 827.3 | 826.6 | 825.9 |
| 27.5° | 794.2 | 793.7 | 793.2 | 792.6 | 791.7 | 790.9 | 790.0 | 789.1 |
| 30° | 770.3 | 769.6 | 768.9 | 768.1 | 767.2 | 766.4 | 765.5 | 764.6 |
| 32.5° | 746.1 | 745.3 | 744.5 | 743.6 | 742.8 | 741.8 | 740.9 | 740.1 |
| 35° | 707.9 | 706.7 | 705.5 | 704.5 | 703.6 | 702.7 | 701.9 | 700.9 |
| 37.5° | 668.0 | 666.6 | 665.3 | 664.1 | 663.0 | 661.8 | 660.7 | 659.4 |
| 40° | 640.2 | 638.3 | 636.6 | 635.3 | 634.4 | 633.6 | 632.7 | 631.8 |
| 42.5° | 613.2 | 611.1 | 609.0 | 607.7 | 607.2 | 606.6 | 606.0 | 605.4 |
| 45° | 571.4 | 569.5 | 567.5 | 566.3 | 565.8 | 565.3 | 564.7 | 564.2 |
| 47.5° | 531.0 | 528.8 | 526.6 | 524.9 | 523.6 | 522.2 | 520.9 | 519.6 |
| 50° | 502.7 | 500.3 | 497.9 | 496.1 | 495.0 | 494.0 | 493.0 | 491.9 |
| 52.5° | 473.7 | 471.6 | 469.5 | 467.7 | 466.4 | 465.0 | 463.7 | 462.4 |
| 55° | 431.2 | 429.1 | 427.0 | 425.4 | 424.3 | 423.3 | 422.2 | 421.2 |
| 57.5° | 388.5 | 386.5 | 384.5 | 382.9 | 381.9 | 380.9 | 379.9 | 378.9 |
| 60° | 359.1 | 357.6 | 356.0 | 354.8 | 353.9 | 353.0 | 352.1 | 351.2 |
| 62.5° | 330.5 | 329.0 | 327.6 | 326.5 | 325.6 | 324.8 | 323.9 | 323.0 |
| 65° | 288.8 | 287.1 | 285.4 | 284.1 | 283.2 | 282.3 | 281.4 | 280.5 |
| 67.5° | 245.9 | 244.3 | 242.6 | 241.6 | 241.4 | 241.2 | 240.9 | 240.7 |
| 70° | 218.8 | 217.4 | 216.0 | 215.1 | 214.5 | 214.0 | 213.5 | 213.0 |
| 72.5° | 191.7 | 190.6 | 189.5 | 188.6 | 188.1 | 187.6 | 187.1 | 186.5 |
| 75° | 152.6 | 151.9 | 151.3 | 150.8 | 150.6 | 150.5 | 150.3 | 150.1 |
| 77.5° | 115.5 | 115.3 | 115.1 | 114.8 | 114.3 | 113.9 | 113.4 | 113.0 |
| 80° | 92.0 | 91.7 | 91.3 | 91.1 | 90.9 | 90.7 | 90.6 | 90.4 |
| 82.5° | 70.9 | 70.7 | 70.5 | 70.3 | 70.2 | 70.0 | 69.8 | 69.6 |
| 85° | 40.9 | 40.9 | 40.9 | 40.8 | 40.6 | 40.4 | 40.3 | 40.1 |
| 87.5° | 21.5 | 21.9 | 22.2 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 |
| 90° | 32.3 | 34.0 | 35.7 | 37.0 | 37.6 | 38.2 | 38.7 | 39.3 |
| 92.5° | 53.9 | 55.0 | 56.0 | 56.8 | 57.1 | 57.5 | 57.8 | 58.2 |
| 95° | 101.3 | 102.2 | 103.0 | 103.5 | 103.5 | 103.5 | 103.5 | 103.5 |
| 97.5° | 159.6 | 160.6 | 161.6 | 162.2 | 162.2 | 162.2 | 162.2 | 162.2 |
| 100° | 201.6 | 202.2 | 202.7 | 203.0 | 203.0 | 203.0 | 203.0 | 203.0 |
| 102.5° | 246.0 | 246.8 | 247.6 | 248.1 | 248.4 | 248.6 | 248.8 | 249.1 |
| 105° | 313.5 | 314.4 | 315.2 | 316.1 | 316.9 | 317.8 | 318.7 | 319.5 |
| 107.5° | 386.4 | 387.2 | 388.1 | 388.4 | 388.4 | 388.3 | 388.3 | 388.2 |
| 110° | 434.9 | 434.3 | 433.8 | 433.9 | 434.8 | 435.7 | 436.6 | 437.5 |



TEST NUMBER: P332768-840

CATALOG NUMBER: S124DIW-S575D1340U840-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 487.3 | 487.2 | 487.0 | 487.1 | 487.2 | 487.4 | 487.6 | 487.8 |
| 115° | 567.8 | 567.5 | 567.2 | 566.9 | 566.6 | 566.3 | 566.0 | 565.8 |
| 117.5° | 645.3 | 644.3 | 643.3 | 642.5 | 641.9 | 641.4 | 640.8 | 640.2 |
| 120° | 697.8 | 696.3 | 694.9 | 694.4 | 695.0 | 695.6 | 696.2 | 696.7 |
| 122.5° | 751.0 | 750.1 | 749.1 | 748.1 | 747.0 | 746.0 | 745.0 | 743.9 |
| 125° | 829.2 | 828.6 | 828.0 | 827.4 | 826.9 | 826.3 | 825.7 | 825.1 |
| 127.5° | 903.8 | 903.2 | 902.6 | 902.1 | 901.7 | 901.2 | 900.7 | 900.3 |
| 130° | 956.2 | 955.6 | 955.0 | 954.2 | 953.0 | 951.8 | 950.7 | 949.5 |
| 132.5° | 1005.4 | 1004.9 | 1004.3 | 1003.8 | 1003.3 | 1002.8 | 1002.4 | 1001.9 |
| 135° | 1079.3 | 1078.7 | 1078.1 | 1077.4 | 1076.5 | 1075.7 | 1074.8 | 1073.9 |
| 137.5° | 1150.7 | 1150.0 | 1149.2 | 1148.9 | 1149.1 | 1149.3 | 1149.4 | 1149.6 |
| 140° | 1197.8 | 1197.5 | 1197.2 | 1196.9 | 1196.6 | 1196.3 | 1196.0 | 1195.8 |
| 142.5° | 1242.2 | 1242.2 | 1242.1 | 1242.0 | 1242.0 | 1241.9 | 1241.9 | 1241.8 |
| 145° | 1309.1 | 1308.8 | 1308.5 | 1308.0 | 1307.1 | 1306.2 | 1305.4 | 1304.4 |
| 147.5° | 1369.7 | 1369.5 | 1369.3 | 1369.0 | 1368.7 | 1368.4 | 1368.2 | 1367.9 |
| 150° | 1407.9 | 1407.9 | 1407.9 | 1407.8 | 1407.4 | 1407.1 | 1406.8 | 1406.6 |
| 152.5° | 1443.9 | 1444.6 | 1445.3 | 1445.2 | 1444.5 | 1443.7 | 1443.0 | 1442.2 |
| 155° | 1494.1 | 1495.2 | 1496.4 | 1496.4 | 1495.2 | 1494.1 | 1492.9 | 1491.8 |
| 157.5° | 1538.2 | 1539.1 | 1540.0 | 1539.9 | 1538.9 | 1537.9 | 1537.0 | 1536.0 |
| 160° | 1565.5 | 1566.4 | 1567.2 | 1566.9 | 1565.5 | 1564.1 | 1562.6 | 1561.2 |
| 162.5° | 1589.9 | 1591.5 | 1593.1 | 1593.2 | 1591.6 | 1590.2 | 1588.8 | 1587.3 |
| 165° | 1622.2 | 1624.0 | 1625.8 | 1626.1 | 1624.9 | 1623.7 | 1622.6 | 1621.3 |
| 167.5° | 1649.5 | 1651.2 | 1652.9 | 1652.9 | 1651.1 | 1649.3 | 1647.6 | 1645.8 |
| 170° | 1664.2 | 1665.9 | 1667.7 | 1667.5 | 1665.5 | 1663.4 | 1661.4 | 1659.4 |
| 172.5° | 1675.1 | 1677.1 | 1679.1 | 1679.0 | 1677.0 | 1675.0 | 1672.9 | 1670.9 |
| 175° | 1687.0 | 1689.0 | 1691.1 | 1691.1 | 1689.0 | 1687.0 | 1685.0 | 1682.9 |
| 177.5° | 1693.5 | 1695.2 | 1696.8 | 1696.7 | 1694.9 | 1692.9 | 1691.1 | 1689.2 |
| 180° | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 | 1693.4 |

(END OF REPORT)