

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: P332768-940

Luminaire Tested: **S124DIW-S575D1340U940-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332768-940
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-S575D1340U940-4F0-1E-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: 6375.2 lumens
Efficiency: N/A
Efficacy: 118.5 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

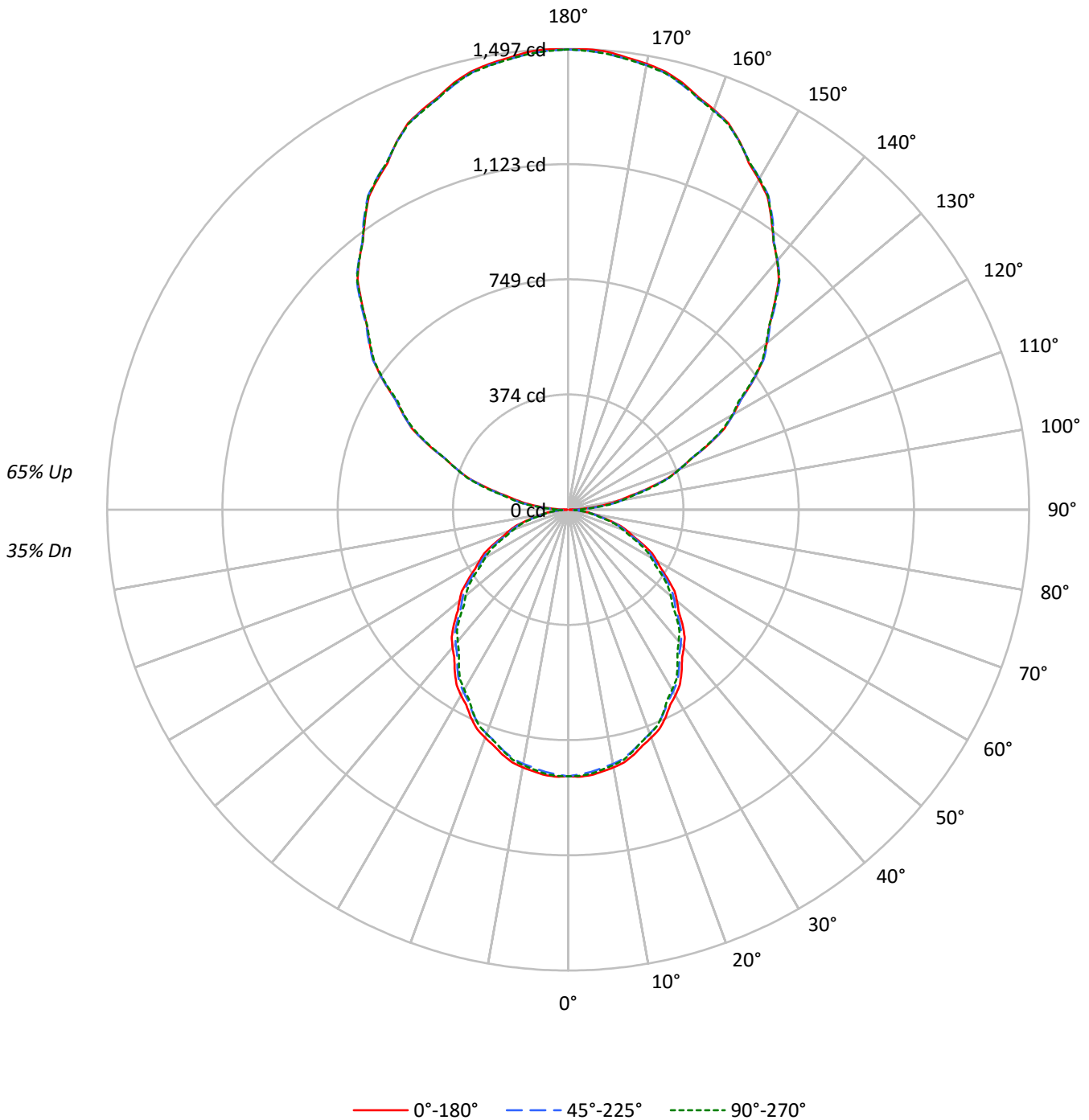
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

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 |
| RCR | | | | | | | | | | | | | | | | | |
| 0 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 |
| 1 | 94 | 90 | 86 | 83 | 85 | 82 | 78 | 75 | 66 | 63 | 61 | 51 | 49 | 48 | 37 | 36 | 36 |
| 2 | 86 | 79 | 73 | 68 | 77 | 71 | 66 | 62 | 57 | 54 | 51 | 45 | 42 | 40 | 33 | 31 | 30 |
| 3 | 78 | 69 | 62 | 56 | 70 | 63 | 57 | 52 | 51 | 46 | 43 | 39 | 36 | 34 | 29 | 27 | 25 |
| 4 | 72 | 61 | 53 | 47 | 64 | 55 | 49 | 44 | 45 | 40 | 36 | 35 | 32 | 29 | 26 | 24 | 22 |
| 5 | 66 | 54 | 46 | 41 | 59 | 49 | 42 | 37 | 40 | 35 | 31 | 31 | 28 | 25 | 23 | 21 | 19 |
| 6 | 60 | 49 | 41 | 35 | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 28 | 25 | 22 | 21 | 19 | 17 |
| 7 | 56 | 44 | 36 | 31 | 50 | 40 | 33 | 28 | 33 | 27 | 24 | 26 | 22 | 19 | 19 | 17 | 15 |
| 8 | 52 | 40 | 32 | 27 | 47 | 36 | 30 | 25 | 30 | 25 | 21 | 23 | 20 | 17 | 18 | 15 | 13 |
| 9 | 48 | 36 | 29 | 24 | 43 | 33 | 27 | 22 | 27 | 22 | 19 | 22 | 18 | 15 | 16 | 14 | 12 |
| 10 | 45 | 33 | 26 | 21 | 40 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6990 | 6990 | 6990 |
| 5° | 7012 | 6928 | 6978 |
| 10° | 6968 | 6871 | 6906 |
| 15° | 6884 | 6774 | 6791 |
| 20° | 6772 | 6653 | 6659 |
| 25° | 6644 | 6515 | 6495 |
| 30° | 6488 | 6352 | 6293 |
| 35° | 6326 | 6182 | 6099 |
| 40° | 6157 | 5989 | 5879 |
| 45° | 5981 | 5799 | 5688 |
| 50° | 5786 | 5630 | 5456 |
| 55° | 5576 | 5410 | 5234 |
| 60° | 5365 | 5165 | 5007 |
| 65° | 5129 | 4932 | 4732 |
| 70° | 4865 | 4617 | 4440 |
| 75° | 4457 | 4242 | 4133 |
| 80° | 3966 | 3808 | 3710 |
| 85° | 3473 | 3344 | 3279 |



TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.6 | 1.3 |
| 10°-20° | 229.8 | 3.6 |
| 20°-30° | 338.2 | 5.3 |
| 30°-40° | 393.2 | 6.2 |
| 40°-50° | 393.2 | 6.2 |
| 50°-60° | 343.9 | 5.4 |
| 60°-70° | 255.4 | 4.0 |
| 70°-80° | 145.1 | 2.3 |
| 80°-90° | 46.3 | 0.7 |
| 90°-100° | 98.6 | 1.5 |
| 100°-110° | 292.2 | 4.6 |
| 110°-120° | 495.9 | 7.8 |
| 120°-130° | 653.9 | 10.3 |
| 130°-140° | 734.3 | 11.5 |
| 140°-150° | 721.6 | 11.3 |
| 150°-160° | 606.9 | 9.5 |
| 160°-170° | 403.8 | 6.3 |
| 170°-180° | 141.4 | 2.2 |
| 0°-30° | 649.5 | 10.2 |
| 0°-40° | 1042.7 | 16.4 |
| 0°-60° | 1779.8 | 27.9 |
| 0°-90° | 2226.7 | 34.9 |
| 90°-120° | 886.7 | 13.9 |
| 90°-150° | 2996.4 | 47.0 |
| 90°-180° | 4149.0 | 65.1 |
| 0°-180° | 6375.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 866 | 866 | 866 | 866 | 866 | |
| 5° | 865 | 862 | 855 | 862 | 861 | 82 |
| 15° | 824 | 820 | 810 | 814 | 812 | 232 |
| 25° | 746 | 741 | 731 | 732 | 729 | 343 |
| 35° | 642 | 637 | 627 | 622 | 619 | 401 |
| 45° | 524 | 519 | 508 | 501 | 498 | 404 |
| 55° | 396 | 394 | 384 | 376 | 372 | 355 |
| 65° | 268 | 265 | 258 | 251 | 248 | 266 |
| 75° | 143 | 139 | 136 | 133 | 132 | 152 |
| 85° | 38 | 37 | 36 | 36 | 35 | 41 |
| 90° | 4 | 16 | 25 | 32 | 35 | 6 |
| 95° | 69 | 80 | 88 | 91 | 91 | 77 |
| 105° | 270 | 271 | 275 | 279 | 282 | 286 |
| 115° | 504 | 504 | 502 | 501 | 500 | 497 |
| 125° | 734 | 734 | 733 | 731 | 728 | 654 |
| 135° | 947 | 954 | 954 | 952 | 948 | 732 |
| 145° | 1151 | 1155 | 1156 | 1155 | 1152 | 720 |
| 155° | 1318 | 1318 | 1317 | 1321 | 1317 | 606 |
| 165° | 1435 | 1432 | 1429 | 1436 | 1432 | 404 |
| 175° | 1493 | 1487 | 1486 | 1493 | 1486 | 142 |
| 180° | 1495 | 1495 | 1495 | 1495 | 1495 | |



TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 |
| 2.5° | 868.2 | 867.8 | 867.5 | 867.1 | 866.7 | 865.9 | 864.5 | 863.2 | 861.7 | 860.4 | 861.7 |
| 5° | 865.3 | 864.7 | 864.1 | 863.4 | 862.8 | 861.7 | 860.0 | 858.3 | 856.6 | 854.9 | 856.6 |
| 7.5° | 857.2 | 856.6 | 856.0 | 855.4 | 854.8 | 853.5 | 851.7 | 849.8 | 847.8 | 846.0 | 847.4 |
| 10° | 850.0 | 849.4 | 848.8 | 848.2 | 847.6 | 846.2 | 844.3 | 842.2 | 840.3 | 838.2 | 839.5 |
| 12.5° | 840.6 | 840.0 | 839.4 | 838.7 | 838.1 | 836.8 | 834.6 | 832.5 | 830.4 | 828.2 | 829.6 |
| 15° | 823.7 | 823.0 | 822.4 | 821.8 | 821.2 | 819.7 | 817.4 | 815.1 | 812.8 | 810.5 | 811.4 |
| 17.5° | 803.3 | 802.5 | 801.7 | 800.9 | 800.1 | 798.7 | 796.5 | 794.3 | 792.1 | 790.0 | 790.5 |
| 20° | 788.3 | 787.5 | 786.8 | 786.0 | 785.2 | 783.6 | 781.3 | 779.0 | 776.7 | 774.4 | 774.8 |
| 22.5° | 772.1 | 771.2 | 770.2 | 769.1 | 768.1 | 766.4 | 764.1 | 761.8 | 759.5 | 757.2 | 758.0 |
| 25° | 745.9 | 744.8 | 743.8 | 742.7 | 741.6 | 740.0 | 737.8 | 735.7 | 733.5 | 731.4 | 731.6 |
| 27.5° | 716.0 | 714.9 | 713.7 | 712.7 | 711.5 | 710.0 | 707.9 | 706.0 | 703.9 | 702.0 | 701.6 |
| 30° | 696.0 | 694.7 | 693.5 | 692.2 | 691.1 | 689.4 | 687.4 | 685.4 | 683.4 | 681.4 | 680.8 |
| 32.5° | 674.8 | 673.8 | 672.6 | 671.5 | 670.5 | 668.8 | 666.7 | 664.6 | 662.5 | 660.3 | 659.6 |
| 35° | 641.9 | 640.8 | 639.7 | 638.6 | 637.6 | 635.9 | 633.7 | 631.6 | 629.5 | 627.3 | 626.2 |
| 37.5° | 607.0 | 606.0 | 605.0 | 604.0 | 603.1 | 601.5 | 599.1 | 596.8 | 594.5 | 592.2 | 591.0 |
| 40° | 584.2 | 583.0 | 581.8 | 580.6 | 579.3 | 577.6 | 575.2 | 572.9 | 570.6 | 568.3 | 566.8 |
| 42.5° | 559.8 | 559.1 | 558.4 | 557.6 | 556.9 | 555.2 | 552.7 | 550.1 | 547.5 | 545.0 | 543.2 |
| 45° | 523.9 | 522.8 | 521.7 | 520.7 | 519.6 | 517.8 | 515.3 | 512.8 | 510.4 | 507.9 | 506.2 |
| 47.5° | 486.2 | 485.5 | 484.8 | 484.0 | 483.3 | 481.8 | 479.6 | 477.2 | 474.9 | 472.7 | 470.7 |
| 50° | 460.7 | 460.1 | 459.5 | 458.9 | 458.3 | 456.9 | 454.8 | 452.5 | 450.4 | 448.3 | 446.1 |
| 52.5° | 435.8 | 435.1 | 434.3 | 433.5 | 432.8 | 431.3 | 429.0 | 426.8 | 424.5 | 422.1 | 420.3 |
| 55° | 396.2 | 395.7 | 395.3 | 394.8 | 394.4 | 393.1 | 390.9 | 388.7 | 386.6 | 384.4 | 382.5 |
| 57.5° | 358.5 | 357.9 | 357.4 | 356.9 | 356.3 | 355.1 | 352.9 | 350.8 | 348.7 | 346.5 | 344.7 |
| 60° | 332.3 | 331.6 | 330.8 | 330.0 | 329.3 | 327.9 | 325.9 | 323.9 | 321.9 | 319.9 | 318.5 |
| 62.5° | 306.8 | 306.2 | 305.5 | 304.9 | 304.3 | 302.8 | 300.8 | 298.6 | 296.5 | 294.4 | 293.1 |
| 65° | 268.5 | 267.8 | 267.0 | 266.3 | 265.5 | 264.3 | 262.8 | 261.2 | 259.7 | 258.2 | 256.5 |
| 67.5° | 230.0 | 229.3 | 228.5 | 227.8 | 227.1 | 226.0 | 224.5 | 223.1 | 221.6 | 220.1 | 218.6 |
| 70° | 206.1 | 205.0 | 203.9 | 202.9 | 201.8 | 200.6 | 199.4 | 198.1 | 196.9 | 195.6 | 194.5 |
| 72.5° | 180.6 | 179.5 | 178.4 | 177.3 | 176.2 | 175.2 | 174.2 | 173.3 | 172.3 | 171.2 | 170.2 |
| 75° | 142.9 | 142.1 | 141.4 | 140.6 | 139.8 | 139.1 | 138.3 | 137.5 | 136.8 | 136.0 | 135.4 |
| 77.5° | 107.0 | 106.6 | 106.3 | 106.0 | 105.7 | 105.1 | 104.4 | 103.8 | 103.1 | 102.5 | 102.2 |
| 80° | 85.3 | 84.9 | 84.4 | 84.0 | 83.5 | 83.1 | 82.8 | 82.5 | 82.2 | 81.9 | 81.6 |
| 82.5° | 64.3 | 64.0 | 63.8 | 63.6 | 63.4 | 63.2 | 63.2 | 63.1 | 63.0 | 63.0 | 62.8 |
| 85° | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.3 | 37.0 | 36.7 | 36.4 | 36.1 | 36.1 |
| 87.5° | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.8 | 18.1 | 18.4 | 18.7 |
| 90° | 3.5 | 6.3 | 9.1 | 11.9 | 14.8 | 17.2 | 19.3 | 21.3 | 23.4 | 25.4 | 27.0 |
| 92.5° | 24.8 | 28.0 | 31.2 | 34.4 | 37.7 | 40.0 | 41.5 | 42.9 | 44.3 | 45.8 | 46.7 |
| 95° | 69.4 | 71.7 | 74.0 | 76.3 | 78.6 | 80.7 | 82.5 | 84.3 | 86.1 | 87.9 | 88.6 |
| 97.5° | 121.2 | 123.1 | 124.9 | 126.7 | 128.6 | 130.5 | 132.7 | 134.8 | 136.9 | 139.0 | 139.9 |
| 100° | 161.9 | 162.9 | 164.0 | 165.0 | 166.0 | 167.6 | 170.0 | 172.3 | 174.6 | 176.9 | 177.5 |
| 102.5° | 204.5 | 204.9 | 205.3 | 205.7 | 206.1 | 207.3 | 209.5 | 211.6 | 213.7 | 215.8 | 216.5 |
| 105° | 269.5 | 269.7 | 270.0 | 270.2 | 270.5 | 271.1 | 272.2 | 273.2 | 274.2 | 275.3 | 276.0 |
| 107.5° | 337.7 | 338.0 | 338.3 | 338.6 | 338.9 | 339.1 | 339.3 | 339.5 | 339.7 | 339.7 | 340.5 |
| 110° | 384.0 | 384.4 | 385.0 | 385.5 | 386.0 | 386.1 | 385.8 | 385.6 | 385.4 | 385.1 | 384.6 |



TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 432.0 | 432.1 | 432.2 | 432.4 | 432.5 | 432.3 | 431.9 | 431.3 | 430.9 | 430.4 | 430.3 |
| 115° | 504.2 | 504.2 | 504.2 | 504.2 | 504.2 | 504.0 | 503.5 | 502.9 | 502.4 | 501.9 | 501.7 |
| 117.5° | 572.2 | 572.4 | 572.7 | 572.8 | 573.0 | 572.9 | 572.6 | 572.2 | 571.9 | 571.5 | 570.6 |
| 120° | 617.5 | 618.6 | 619.6 | 620.6 | 621.6 | 621.8 | 621.0 | 620.3 | 619.5 | 618.7 | 617.4 |
| 122.5° | 664.7 | 665.1 | 665.6 | 665.9 | 666.4 | 666.4 | 666.0 | 665.7 | 665.3 | 664.9 | 664.1 |
| 125° | 734.3 | 734.3 | 734.3 | 734.3 | 734.3 | 734.2 | 734.0 | 733.7 | 733.4 | 733.2 | 732.6 |
| 127.5° | 797.5 | 798.3 | 799.1 | 799.8 | 800.6 | 800.8 | 800.3 | 800.0 | 799.5 | 799.1 | 798.6 |
| 130° | 841.9 | 842.7 | 843.5 | 844.2 | 845.0 | 845.3 | 845.3 | 845.3 | 845.3 | 845.3 | 844.8 |
| 132.5° | 887.3 | 887.8 | 888.3 | 888.9 | 889.5 | 889.7 | 889.5 | 889.2 | 889.0 | 888.9 | 888.3 |
| 135° | 947.1 | 948.7 | 950.2 | 951.7 | 953.3 | 954.0 | 954.0 | 954.0 | 954.0 | 954.0 | 953.6 |
| 137.5° | 1012.4 | 1013.1 | 1013.8 | 1014.5 | 1015.2 | 1015.8 | 1016.2 | 1016.6 | 1017.0 | 1017.4 | 1016.7 |
| 140° | 1055.9 | 1056.3 | 1056.9 | 1057.4 | 1057.9 | 1058.1 | 1058.1 | 1058.1 | 1058.1 | 1058.1 | 1057.9 |
| 142.5° | 1095.6 | 1096.1 | 1096.6 | 1097.2 | 1097.7 | 1097.8 | 1097.6 | 1097.4 | 1097.3 | 1097.0 | 1097.0 |
| 145° | 1150.7 | 1151.7 | 1152.7 | 1153.8 | 1154.8 | 1155.4 | 1155.7 | 1155.9 | 1156.2 | 1156.5 | 1156.2 |
| 147.5° | 1205.2 | 1206.5 | 1207.7 | 1209.0 | 1210.1 | 1210.7 | 1210.5 | 1210.3 | 1210.1 | 1209.9 | 1209.7 |
| 150° | 1238.6 | 1239.6 | 1240.6 | 1241.6 | 1242.7 | 1243.1 | 1243.1 | 1243.1 | 1243.1 | 1243.1 | 1243.1 |
| 152.5° | 1270.0 | 1270.6 | 1271.2 | 1271.8 | 1272.5 | 1272.9 | 1273.1 | 1273.3 | 1273.5 | 1273.7 | 1274.3 |
| 155° | 1318.3 | 1318.3 | 1318.3 | 1318.3 | 1318.3 | 1318.2 | 1317.9 | 1317.7 | 1317.4 | 1317.2 | 1318.2 |
| 157.5° | 1359.1 | 1358.6 | 1358.2 | 1357.6 | 1357.2 | 1356.9 | 1356.9 | 1356.8 | 1356.8 | 1356.7 | 1357.5 |
| 160° | 1383.1 | 1382.9 | 1382.6 | 1382.3 | 1382.1 | 1381.8 | 1381.5 | 1381.3 | 1381.1 | 1380.8 | 1381.5 |
| 162.5° | 1405.3 | 1404.6 | 1404.0 | 1403.3 | 1402.7 | 1402.2 | 1401.9 | 1401.7 | 1401.4 | 1401.1 | 1402.6 |
| 165° | 1435.1 | 1434.4 | 1433.6 | 1432.8 | 1432.1 | 1431.5 | 1430.9 | 1430.4 | 1429.9 | 1429.3 | 1430.9 |
| 167.5° | 1458.0 | 1457.0 | 1455.9 | 1454.8 | 1453.8 | 1453.2 | 1453.3 | 1453.3 | 1453.4 | 1453.4 | 1455.0 |
| 170° | 1471.0 | 1469.7 | 1468.5 | 1467.1 | 1465.9 | 1465.3 | 1465.6 | 1465.9 | 1466.2 | 1466.3 | 1467.9 |
| 172.5° | 1480.2 | 1479.2 | 1478.1 | 1477.0 | 1476.0 | 1475.4 | 1475.5 | 1475.5 | 1475.6 | 1475.6 | 1477.4 |
| 175° | 1493.0 | 1491.7 | 1490.4 | 1489.2 | 1487.8 | 1487.0 | 1486.8 | 1486.6 | 1486.3 | 1486.0 | 1487.8 |
| 177.5° | 1497.1 | 1496.1 | 1495.0 | 1494.1 | 1493.0 | 1492.5 | 1492.5 | 1492.5 | 1492.5 | 1492.5 | 1494.0 |
| 180° | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 |



TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 | 865.9 |
| 2.5° | 862.9 | 864.2 | 865.4 | 865.9 | 865.8 | 865.7 | 865.6 | 865.4 |
| 5° | 858.3 | 860.0 | 861.7 | 862.4 | 862.0 | 861.7 | 861.4 | 861.1 |
| 7.5° | 848.7 | 850.1 | 851.4 | 852.0 | 851.9 | 851.7 | 851.5 | 851.2 |
| 10° | 840.7 | 842.0 | 843.2 | 843.6 | 843.3 | 843.0 | 842.7 | 842.4 |
| 12.5° | 831.0 | 832.3 | 833.7 | 834.1 | 833.7 | 833.2 | 832.9 | 832.4 |
| 15° | 812.3 | 813.2 | 814.1 | 814.4 | 814.0 | 813.5 | 813.0 | 812.5 |
| 17.5° | 791.1 | 791.7 | 792.3 | 792.4 | 792.1 | 791.8 | 791.5 | 791.2 |
| 20° | 775.3 | 775.8 | 776.2 | 776.3 | 776.0 | 775.7 | 775.4 | 775.1 |
| 22.5° | 758.8 | 759.6 | 760.5 | 760.6 | 760.1 | 759.6 | 759.0 | 758.4 |
| 25° | 731.6 | 731.8 | 732.0 | 731.7 | 731.1 | 730.5 | 729.9 | 729.2 |
| 27.5° | 701.2 | 700.8 | 700.4 | 699.9 | 699.1 | 698.4 | 697.6 | 696.8 |
| 30° | 680.2 | 679.6 | 678.9 | 678.2 | 677.4 | 676.7 | 675.9 | 675.1 |
| 32.5° | 658.8 | 658.1 | 657.4 | 656.6 | 655.9 | 655.1 | 654.2 | 653.5 |
| 35° | 625.1 | 624.0 | 622.9 | 622.1 | 621.3 | 620.5 | 619.7 | 618.9 |
| 37.5° | 589.9 | 588.6 | 587.5 | 586.4 | 585.4 | 584.3 | 583.4 | 582.3 |
| 40° | 565.3 | 563.7 | 562.1 | 561.0 | 560.2 | 559.5 | 558.7 | 557.9 |
| 42.5° | 541.4 | 539.6 | 537.8 | 536.6 | 536.2 | 535.7 | 535.1 | 534.6 |
| 45° | 504.5 | 502.8 | 501.1 | 500.1 | 499.6 | 499.2 | 498.6 | 498.2 |
| 47.5° | 468.9 | 466.9 | 465.0 | 463.5 | 462.4 | 461.1 | 459.9 | 458.8 |
| 50° | 443.9 | 441.8 | 439.6 | 438.1 | 437.1 | 436.2 | 435.3 | 434.4 |
| 52.5° | 418.3 | 416.4 | 414.6 | 413.0 | 411.8 | 410.6 | 409.5 | 408.3 |
| 55° | 380.8 | 378.9 | 377.0 | 375.6 | 374.7 | 373.8 | 372.8 | 371.9 |
| 57.5° | 343.0 | 341.3 | 339.5 | 338.1 | 337.2 | 336.4 | 335.5 | 334.6 |
| 60° | 317.1 | 315.8 | 314.3 | 313.3 | 312.5 | 311.7 | 310.9 | 310.1 |
| 62.5° | 291.9 | 290.5 | 289.3 | 288.3 | 287.5 | 286.8 | 286.0 | 285.2 |
| 65° | 255.0 | 253.5 | 252.0 | 250.8 | 250.0 | 249.2 | 248.5 | 247.7 |
| 67.5° | 217.1 | 215.7 | 214.2 | 213.3 | 213.1 | 212.9 | 212.7 | 212.5 |
| 70° | 193.2 | 192.0 | 190.7 | 189.9 | 189.4 | 189.0 | 188.5 | 188.1 |
| 72.5° | 169.2 | 168.3 | 167.3 | 166.6 | 166.1 | 165.7 | 165.2 | 164.7 |
| 75° | 134.7 | 134.1 | 133.6 | 133.1 | 133.0 | 132.9 | 132.7 | 132.5 |
| 77.5° | 102.0 | 101.8 | 101.7 | 101.4 | 100.9 | 100.6 | 100.1 | 99.8 |
| 80° | 81.2 | 81.0 | 80.6 | 80.4 | 80.3 | 80.1 | 80.0 | 79.8 |
| 82.5° | 62.6 | 62.4 | 62.2 | 62.1 | 62.0 | 61.8 | 61.6 | 61.4 |
| 85° | 36.1 | 36.1 | 36.1 | 36.0 | 35.8 | 35.7 | 35.6 | 35.4 |
| 87.5° | 19.0 | 19.4 | 19.6 | 19.9 | 20.0 | 20.1 | 20.2 | 20.2 |
| 90° | 28.5 | 30.1 | 31.6 | 32.6 | 33.2 | 33.7 | 34.2 | 34.7 |
| 92.5° | 47.6 | 48.6 | 49.5 | 50.1 | 50.4 | 50.7 | 51.0 | 51.4 |
| 95° | 89.4 | 90.2 | 91.0 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 97.5° | 140.9 | 141.8 | 142.7 | 143.2 | 143.2 | 143.2 | 143.2 | 143.2 |
| 100° | 178.0 | 178.5 | 179.0 | 179.2 | 179.2 | 179.2 | 179.2 | 179.2 |
| 102.5° | 217.2 | 217.9 | 218.6 | 219.1 | 219.4 | 219.5 | 219.7 | 220.0 |
| 105° | 276.8 | 277.6 | 278.3 | 279.1 | 279.8 | 280.6 | 281.4 | 282.1 |
| 107.5° | 341.2 | 341.9 | 342.7 | 343.0 | 343.0 | 342.9 | 342.9 | 342.8 |
| 110° | 384.1 | 383.5 | 383.1 | 383.2 | 384.0 | 384.7 | 385.5 | 386.3 |



TEST NUMBER: P332768-940

CATALOG NUMBER: S124DIW-S575D1340U940-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 430.3 | 430.2 | 430.0 | 430.1 | 430.2 | 430.3 | 430.5 | 430.7 |
| 115° | 501.4 | 501.1 | 500.9 | 500.6 | 500.3 | 500.1 | 499.8 | 499.6 |
| 117.5° | 569.8 | 568.9 | 568.0 | 567.3 | 566.8 | 566.3 | 565.8 | 565.3 |
| 120° | 616.2 | 614.8 | 613.6 | 613.1 | 613.7 | 614.2 | 614.7 | 615.2 |
| 122.5° | 663.2 | 662.4 | 661.5 | 660.6 | 659.6 | 658.7 | 657.8 | 656.8 |
| 125° | 732.2 | 731.6 | 731.1 | 730.6 | 730.1 | 729.6 | 729.1 | 728.5 |
| 127.5° | 798.1 | 797.5 | 797.0 | 796.6 | 796.2 | 795.8 | 795.3 | 795.0 |
| 130° | 844.4 | 843.8 | 843.3 | 842.6 | 841.5 | 840.4 | 839.5 | 838.4 |
| 132.5° | 887.8 | 887.3 | 886.8 | 886.4 | 885.9 | 885.5 | 885.1 | 884.7 |
| 135° | 953.1 | 952.5 | 952.0 | 951.4 | 950.6 | 949.9 | 949.0 | 948.2 |
| 137.5° | 1016.1 | 1015.5 | 1014.8 | 1014.5 | 1014.7 | 1014.9 | 1014.9 | 1015.1 |
| 140° | 1057.7 | 1057.4 | 1057.1 | 1056.9 | 1056.6 | 1056.3 | 1056.1 | 1055.9 |
| 142.5° | 1096.9 | 1096.9 | 1096.8 | 1096.7 | 1096.7 | 1096.6 | 1096.6 | 1096.5 |
| 145° | 1155.9 | 1155.7 | 1155.4 | 1154.9 | 1154.1 | 1153.3 | 1152.6 | 1151.8 |
| 147.5° | 1209.4 | 1209.2 | 1209.1 | 1208.8 | 1208.5 | 1208.3 | 1208.1 | 1207.8 |
| 150° | 1243.1 | 1243.1 | 1243.1 | 1243.0 | 1242.8 | 1242.5 | 1242.2 | 1242.1 |
| 152.5° | 1275.0 | 1275.6 | 1276.2 | 1276.1 | 1275.5 | 1274.8 | 1274.2 | 1273.5 |
| 155° | 1319.3 | 1320.3 | 1321.3 | 1321.3 | 1320.3 | 1319.3 | 1318.2 | 1317.2 |
| 157.5° | 1358.3 | 1359.1 | 1359.9 | 1359.8 | 1358.9 | 1358.0 | 1357.2 | 1356.3 |
| 160° | 1382.3 | 1383.1 | 1383.8 | 1383.6 | 1382.3 | 1381.1 | 1379.7 | 1378.5 |
| 162.5° | 1403.9 | 1405.3 | 1406.7 | 1406.8 | 1405.4 | 1404.2 | 1402.9 | 1401.6 |
| 165° | 1432.4 | 1434.0 | 1435.6 | 1435.8 | 1434.8 | 1433.7 | 1432.7 | 1431.6 |
| 167.5° | 1456.5 | 1458.0 | 1459.6 | 1459.6 | 1457.9 | 1456.3 | 1454.8 | 1453.2 |
| 170° | 1469.5 | 1471.0 | 1472.6 | 1472.4 | 1470.6 | 1468.8 | 1467.0 | 1465.3 |
| 172.5° | 1479.1 | 1480.9 | 1482.6 | 1482.6 | 1480.8 | 1479.0 | 1477.2 | 1475.4 |
| 175° | 1489.6 | 1491.4 | 1493.3 | 1493.3 | 1491.4 | 1489.6 | 1487.8 | 1486.0 |
| 177.5° | 1495.4 | 1496.8 | 1498.3 | 1498.2 | 1496.6 | 1494.9 | 1493.3 | 1491.6 |
| 180° | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 | 1495.3 |

(END OF REPORT)