

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: P333053-940

Luminaire Tested: **S124RDIW-S575D1560U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333053-940
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: S124RDIW-S575D1560U940-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7660.4 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

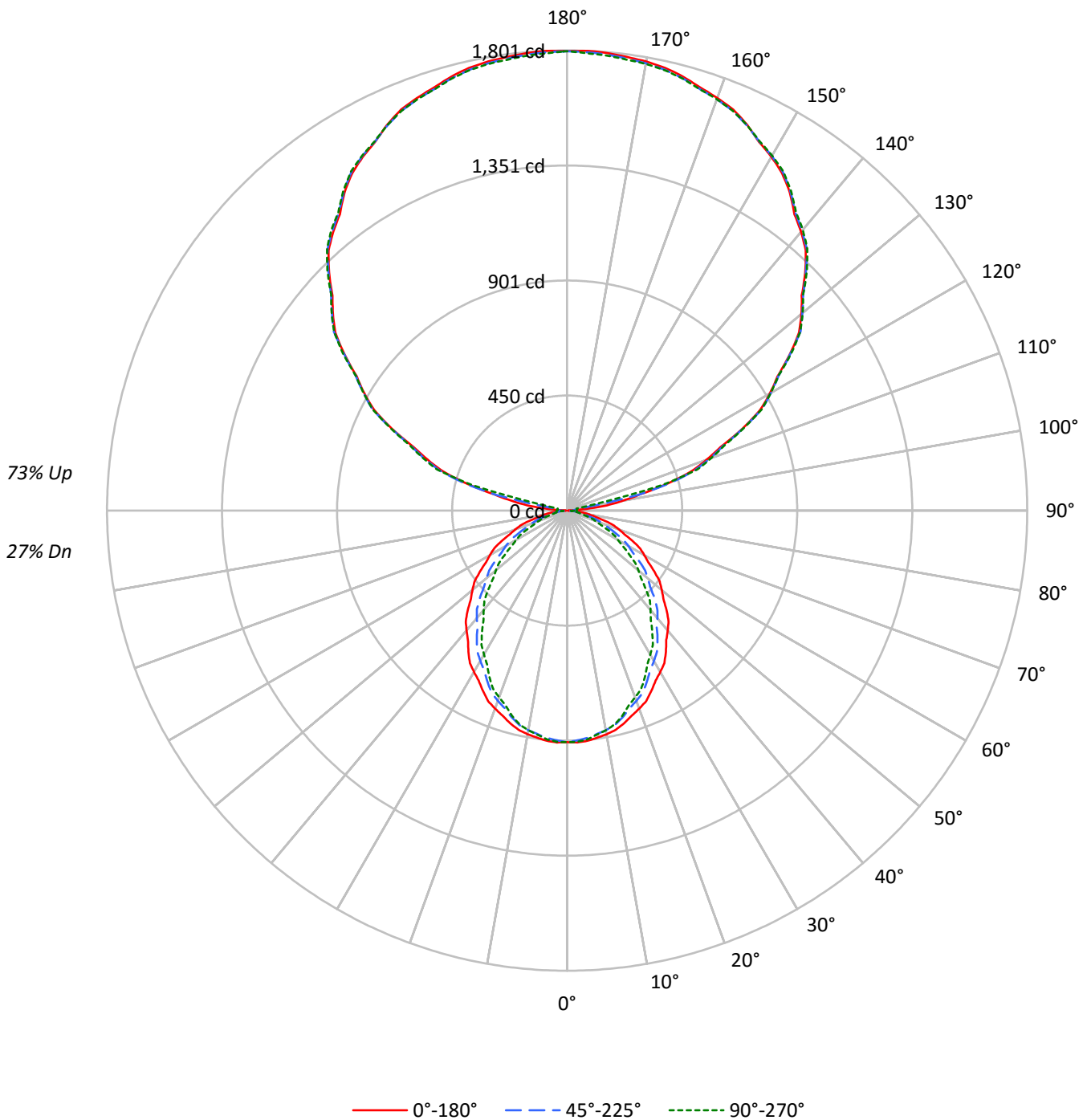
Input Watts (W): 60.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 35 | 35 | 35 | 27 |
| 1 | 93 | 89 | 85 | 82 | 83 | 79 | 76 | 74 | 62 | 60 | 58 | 46 | 45 | 44 | 31 | 31 | 30 | 23 |
| 2 | 85 | 78 | 72 | 67 | 75 | 70 | 65 | 61 | 55 | 51 | 48 | 41 | 39 | 37 | 28 | 27 | 26 | 20 |
| 3 | 77 | 68 | 61 | 56 | 69 | 61 | 55 | 51 | 48 | 44 | 41 | 36 | 33 | 31 | 25 | 23 | 22 | 17 |
| 4 | 71 | 60 | 53 | 47 | 63 | 54 | 48 | 43 | 43 | 38 | 35 | 32 | 29 | 27 | 22 | 20 | 19 | 15 |
| 5 | 65 | 54 | 46 | 40 | 58 | 48 | 42 | 37 | 38 | 33 | 30 | 29 | 26 | 23 | 20 | 18 | 17 | 13 |
| 6 | 60 | 48 | 40 | 35 | 53 | 43 | 37 | 32 | 34 | 30 | 26 | 26 | 23 | 20 | 18 | 16 | 15 | 11 |
| 7 | 55 | 43 | 36 | 30 | 49 | 39 | 32 | 28 | 31 | 26 | 23 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8 | 51 | 39 | 32 | 27 | 45 | 35 | 29 | 24 | 28 | 24 | 20 | 22 | 18 | 16 | 15 | 13 | 12 | 9 |
| 9 | 47 | 36 | 28 | 24 | 42 | 32 | 26 | 22 | 26 | 21 | 18 | 20 | 17 | 14 | 14 | 12 | 10 | 8 |
| 10 | 44 | 33 | 26 | 21 | 39 | 30 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 10 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7316 | 7316 | 7316 |
| 5° | 7332 | 7243 | 7288 |
| 10° | 7287 | 7156 | 7156 |
| 15° | 7203 | 7005 | 6954 |
| 20° | 7088 | 6808 | 6682 |
| 25° | 6942 | 6576 | 6409 |
| 30° | 6797 | 6332 | 6068 |
| 35° | 6640 | 6080 | 5724 |
| 40° | 6450 | 5792 | 5352 |
| 45° | 6275 | 5505 | 4975 |
| 50° | 6075 | 5176 | 4575 |
| 55° | 5859 | 4835 | 4141 |
| 60° | 5624 | 4459 | 3697 |
| 65° | 5408 | 3989 | 3261 |
| 70° | 5094 | 3472 | 2769 |
| 75° | 4697 | 2879 | 2249 |
| 80° | 4096 | 2194 | 2064 |
| 85° | 3473 | 1991 | 1871 |



TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.1 | 1.1 |
| 10°-20° | 237.4 | 3.1 |
| 20°-30° | 342.8 | 4.5 |
| 30°-40° | 388.6 | 5.1 |
| 40°-50° | 375.2 | 4.9 |
| 50°-60° | 312.0 | 4.1 |
| 60°-70° | 215.4 | 2.8 |
| 70°-80° | 109.2 | 1.4 |
| 80°-90° | 33.2 | 0.4 |
| 90°-100° | 61.5 | 0.8 |
| 100°-110° | 392.1 | 5.1 |
| 110°-120° | 750.0 | 9.8 |
| 120°-130° | 952.1 | 12.4 |
| 130°-140° | 1018.7 | 13.3 |
| 140°-150° | 952.6 | 12.4 |
| 150°-160° | 768.2 | 10.0 |
| 160°-170° | 495.5 | 6.5 |
| 170°-180° | 170.8 | 2.2 |
| 0°-30° | 665.3 | 8.7 |
| 0°-40° | 1053.9 | 13.8 |
| 0°-60° | 1741.1 | 22.7 |
| 0°-90° | 2098.9 | 27.4 |
| 90°-120° | 1203.6 | 15.7 |
| 90°-150° | 4127.0 | 53.9 |
| 90°-180° | 5561.0 | 72.6 |
| 0°-180° | 7660.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 906 | 906 | 906 | 906 | 906 | |
| 5° | 905 | 902 | 894 | 900 | 899 | 86 |
| 15° | 862 | 855 | 838 | 837 | 832 | 243 |
| 25° | 779 | 766 | 738 | 727 | 720 | 359 |
| 35° | 674 | 651 | 617 | 594 | 581 | 421 |
| 45° | 550 | 523 | 482 | 449 | 436 | 424 |
| 55° | 416 | 388 | 344 | 309 | 294 | 372 |
| 65° | 283 | 252 | 209 | 180 | 171 | 279 |
| 75° | 151 | 125 | 92 | 77 | 72 | 159 |
| 85° | 38 | 24 | 22 | 20 | 20 | 42 |
| 90° | 4 | 19 | 30 | 37 | 40 | 5 |
| 95° | 74 | 31 | 30 | 37 | 39 | 95 |
| 105° | 405 | 413 | 420 | 428 | 383 | 423 |
| 115° | 756 | 759 | 758 | 761 | 761 | 743 |
| 125° | 1062 | 1067 | 1065 | 1069 | 1070 | 948 |
| 135° | 1318 | 1317 | 1322 | 1325 | 1327 | 1015 |
| 145° | 1520 | 1523 | 1524 | 1525 | 1528 | 949 |
| 155° | 1666 | 1667 | 1663 | 1668 | 1665 | 768 |
| 165° | 1758 | 1751 | 1751 | 1760 | 1750 | 496 |
| 175° | 1798 | 1790 | 1791 | 1802 | 1787 | 171 |
| 180° | 1798 | 1798 | 1798 | 1798 | 1798 | |



TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 908.5 | 907.9 | 907.5 | 907.0 | 906.5 | 905.5 | 904.2 | 902.9 | 901.4 | 900.1 | 901.4 |
| 5° | 904.8 | 904.2 | 903.6 | 902.9 | 902.4 | 901.2 | 899.3 | 897.4 | 895.5 | 893.8 | 895.3 |
| 7.5° | 896.6 | 896.0 | 895.4 | 894.7 | 894.0 | 892.5 | 890.1 | 887.7 | 885.3 | 882.9 | 883.9 |
| 10° | 888.9 | 888.1 | 887.3 | 886.5 | 885.8 | 884.0 | 881.3 | 878.4 | 875.7 | 872.9 | 873.5 |
| 12.5° | 878.9 | 878.0 | 877.1 | 876.2 | 875.3 | 873.3 | 870.0 | 866.7 | 863.4 | 860.1 | 860.5 |
| 15° | 861.8 | 860.4 | 859.1 | 857.6 | 856.2 | 853.6 | 849.8 | 846.0 | 842.0 | 838.2 | 837.9 |
| 17.5° | 841.2 | 839.1 | 837.1 | 835.1 | 833.1 | 829.8 | 825.2 | 820.6 | 815.9 | 811.3 | 810.5 |
| 20° | 825.0 | 823.0 | 821.0 | 819.0 | 817.0 | 813.4 | 808.2 | 802.9 | 797.6 | 792.5 | 791.2 |
| 22.5° | 807.3 | 805.0 | 802.8 | 800.5 | 798.3 | 794.3 | 788.7 | 783.1 | 777.5 | 771.9 | 770.0 |
| 25° | 779.3 | 776.5 | 773.6 | 770.9 | 768.1 | 763.6 | 757.2 | 750.9 | 744.6 | 738.3 | 735.7 |
| 27.5° | 749.8 | 746.4 | 742.9 | 739.4 | 735.8 | 730.8 | 724.0 | 717.3 | 710.5 | 703.7 | 700.5 |
| 30° | 729.2 | 725.4 | 721.6 | 717.7 | 713.9 | 708.3 | 701.1 | 693.8 | 686.5 | 679.3 | 675.5 |
| 32.5° | 707.7 | 703.3 | 698.9 | 694.6 | 690.3 | 684.3 | 676.8 | 669.3 | 661.8 | 654.3 | 649.9 |
| 35° | 673.8 | 668.9 | 663.9 | 659.0 | 654.1 | 647.7 | 640.0 | 632.3 | 624.6 | 616.9 | 611.6 |
| 37.5° | 637.6 | 632.5 | 627.4 | 622.3 | 617.2 | 610.4 | 601.8 | 593.3 | 584.8 | 576.2 | 570.3 |
| 40° | 612.0 | 606.9 | 601.8 | 596.7 | 591.7 | 584.7 | 576.0 | 567.1 | 558.4 | 549.6 | 543.1 |
| 42.5° | 587.5 | 582.3 | 576.9 | 571.6 | 566.2 | 559.0 | 549.8 | 540.6 | 531.5 | 522.4 | 515.8 |
| 45° | 549.6 | 543.9 | 538.1 | 532.4 | 526.7 | 519.2 | 510.0 | 500.8 | 491.5 | 482.2 | 474.7 |
| 47.5° | 510.3 | 504.4 | 498.5 | 492.6 | 486.7 | 478.9 | 469.3 | 459.8 | 450.1 | 440.5 | 432.7 |
| 50° | 483.7 | 477.6 | 471.6 | 465.6 | 459.6 | 451.7 | 441.8 | 431.9 | 422.0 | 412.1 | 404.5 |
| 52.5° | 456.5 | 450.6 | 444.7 | 438.8 | 432.8 | 424.9 | 414.7 | 404.7 | 394.5 | 384.4 | 376.6 |
| 55° | 416.3 | 410.2 | 404.0 | 397.8 | 391.6 | 383.5 | 373.5 | 363.6 | 353.5 | 343.5 | 335.5 |
| 57.5° | 376.7 | 370.2 | 363.8 | 357.4 | 351.0 | 342.9 | 333.0 | 323.1 | 313.3 | 303.4 | 295.2 |
| 60° | 348.3 | 342.1 | 336.0 | 329.8 | 323.7 | 315.7 | 305.8 | 295.9 | 286.1 | 276.2 | 268.1 |
| 62.5° | 322.8 | 316.4 | 310.0 | 303.5 | 297.1 | 288.9 | 278.7 | 268.7 | 258.5 | 248.4 | 241.0 |
| 65° | 283.1 | 276.5 | 269.8 | 263.2 | 256.5 | 248.3 | 238.4 | 228.6 | 218.7 | 208.8 | 202.2 |
| 67.5° | 241.9 | 235.5 | 229.2 | 222.8 | 216.5 | 208.7 | 199.6 | 190.4 | 181.3 | 172.1 | 166.4 |
| 70° | 215.8 | 209.3 | 202.9 | 196.4 | 189.9 | 182.3 | 173.4 | 164.7 | 155.9 | 147.1 | 142.0 |
| 72.5° | 188.1 | 182.2 | 176.3 | 170.5 | 164.6 | 157.6 | 149.3 | 141.0 | 132.6 | 124.3 | 120.0 |
| 75° | 150.6 | 144.9 | 139.2 | 133.5 | 127.8 | 121.3 | 114.0 | 106.7 | 99.5 | 92.3 | 88.7 |
| 77.5° | 112.5 | 107.7 | 102.9 | 98.0 | 93.2 | 87.8 | 81.9 | 76.2 | 70.3 | 64.4 | 62.3 |
| 80° | 88.1 | 83.6 | 79.2 | 74.7 | 70.3 | 65.7 | 61.1 | 56.4 | 51.8 | 47.2 | 46.7 |
| 82.5° | 67.1 | 63.0 | 58.9 | 54.8 | 50.6 | 47.3 | 44.6 | 41.9 | 39.3 | 36.6 | 36.3 |
| 85° | 37.5 | 34.4 | 31.3 | 28.2 | 25.1 | 23.4 | 22.9 | 22.5 | 21.9 | 21.5 | 21.2 |
| 87.5° | 13.6 | 13.3 | 12.9 | 12.6 | 12.2 | 12.3 | 12.7 | 13.0 | 13.4 | 13.7 | 13.9 |
| 90° | 4.0 | 7.3 | 10.6 | 13.9 | 17.2 | 20.1 | 22.4 | 24.8 | 27.2 | 29.6 | 31.4 |
| 92.5° | 16.9 | 17.1 | 17.3 | 17.5 | 17.7 | 18.9 | 21.3 | 23.7 | 26.1 | 28.5 | 30.3 |
| 95° | 73.9 | 63.8 | 53.7 | 43.5 | 33.3 | 28.4 | 28.7 | 29.0 | 29.2 | 29.6 | 31.4 |
| 97.5° | 157.0 | 163.4 | 169.7 | 176.1 | 182.4 | 168.9 | 135.5 | 102.2 | 68.8 | 35.5 | 35.7 |
| 100° | 220.5 | 226.0 | 231.3 | 236.7 | 242.0 | 224.1 | 182.9 | 141.6 | 100.4 | 59.2 | 54.1 |
| 102.5° | 291.5 | 295.5 | 299.4 | 303.4 | 307.3 | 306.6 | 301.2 | 295.9 | 290.4 | 285.1 | 230.2 |
| 105° | 404.7 | 406.5 | 408.3 | 410.2 | 412.0 | 413.6 | 415.1 | 416.6 | 418.0 | 419.5 | 422.2 |
| 107.5° | 509.9 | 510.9 | 511.8 | 512.6 | 513.5 | 515.0 | 517.0 | 519.1 | 521.0 | 523.1 | 524.4 |
| 110° | 580.9 | 581.8 | 582.7 | 583.6 | 584.5 | 585.9 | 587.6 | 589.4 | 591.2 | 593.0 | 593.6 |



TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 649.8 | 651.4 | 653.0 | 654.6 | 656.2 | 657.5 | 658.3 | 659.2 | 660.0 | 660.8 | 660.7 |
| 115° | 755.7 | 756.6 | 757.5 | 758.4 | 759.3 | 759.6 | 759.3 | 759.0 | 758.8 | 758.4 | 759.0 |
| 117.5° | 851.2 | 852.4 | 853.6 | 854.8 | 856.0 | 856.9 | 857.6 | 858.3 | 858.9 | 859.5 | 859.4 |
| 120° | 915.8 | 916.9 | 918.2 | 919.4 | 920.5 | 921.0 | 920.7 | 920.4 | 920.1 | 919.8 | 920.4 |
| 122.5° | 976.0 | 976.7 | 977.4 | 978.1 | 978.9 | 979.5 | 979.9 | 980.3 | 980.7 | 981.1 | 981.5 |
| 125° | 1062.4 | 1063.5 | 1064.7 | 1066.0 | 1067.1 | 1067.4 | 1066.8 | 1066.2 | 1065.6 | 1065.1 | 1066.0 |
| 127.5° | 1144.1 | 1144.4 | 1144.7 | 1145.0 | 1145.3 | 1146.1 | 1147.5 | 1148.9 | 1150.2 | 1151.6 | 1151.5 |
| 130° | 1196.9 | 1197.1 | 1197.4 | 1197.7 | 1198.0 | 1198.6 | 1199.5 | 1200.4 | 1201.3 | 1202.2 | 1202.5 |
| 132.5° | 1245.2 | 1245.7 | 1246.3 | 1246.9 | 1247.4 | 1248.2 | 1249.4 | 1250.4 | 1251.6 | 1252.8 | 1253.0 |
| 135° | 1317.9 | 1317.5 | 1317.2 | 1317.0 | 1316.6 | 1317.1 | 1318.3 | 1319.5 | 1320.7 | 1321.9 | 1322.5 |
| 137.5° | 1382.2 | 1382.2 | 1382.3 | 1382.5 | 1382.6 | 1383.3 | 1384.6 | 1386.0 | 1387.2 | 1388.6 | 1389.2 |
| 140° | 1424.1 | 1424.7 | 1425.3 | 1425.8 | 1426.5 | 1427.1 | 1427.6 | 1428.3 | 1428.9 | 1429.4 | 1430.4 |
| 142.5° | 1461.7 | 1462.8 | 1463.9 | 1465.0 | 1466.1 | 1466.8 | 1467.1 | 1467.5 | 1467.8 | 1468.2 | 1468.8 |
| 145° | 1519.6 | 1520.5 | 1521.3 | 1522.2 | 1523.1 | 1523.6 | 1523.6 | 1523.6 | 1523.6 | 1523.6 | 1523.8 |
| 147.5° | 1565.6 | 1567.2 | 1568.9 | 1570.6 | 1572.3 | 1572.9 | 1572.6 | 1572.4 | 1572.0 | 1571.7 | 1572.0 |
| 150° | 1598.9 | 1600.1 | 1601.2 | 1602.5 | 1603.7 | 1604.1 | 1603.8 | 1603.6 | 1603.2 | 1602.9 | 1602.9 |
| 152.5° | 1626.8 | 1627.8 | 1628.8 | 1629.7 | 1630.7 | 1630.9 | 1630.3 | 1629.8 | 1629.2 | 1628.7 | 1629.2 |
| 155° | 1666.2 | 1666.4 | 1666.7 | 1667.1 | 1667.3 | 1667.1 | 1666.2 | 1665.3 | 1664.4 | 1663.4 | 1664.6 |
| 157.5° | 1699.2 | 1699.1 | 1698.9 | 1698.7 | 1698.5 | 1697.9 | 1696.8 | 1695.9 | 1694.9 | 1693.8 | 1695.4 |
| 160° | 1718.6 | 1717.7 | 1716.8 | 1715.9 | 1715.0 | 1714.4 | 1714.0 | 1713.8 | 1713.5 | 1713.2 | 1715.0 |
| 162.5° | 1735.8 | 1734.6 | 1733.5 | 1732.4 | 1731.3 | 1730.5 | 1730.2 | 1729.9 | 1729.7 | 1729.3 | 1731.1 |
| 165° | 1757.6 | 1756.0 | 1754.6 | 1753.1 | 1751.6 | 1750.9 | 1750.9 | 1750.9 | 1750.9 | 1750.9 | 1753.2 |
| 167.5° | 1774.8 | 1773.3 | 1771.7 | 1770.1 | 1768.5 | 1767.7 | 1767.5 | 1767.4 | 1767.2 | 1767.0 | 1769.6 |
| 170° | 1784.5 | 1782.7 | 1780.8 | 1779.1 | 1777.3 | 1776.6 | 1776.8 | 1777.2 | 1777.4 | 1777.7 | 1780.1 |
| 172.5° | 1790.9 | 1789.1 | 1787.3 | 1785.6 | 1783.8 | 1783.0 | 1783.3 | 1783.6 | 1783.9 | 1784.2 | 1786.5 |
| 175° | 1797.9 | 1796.1 | 1794.3 | 1792.5 | 1790.7 | 1790.0 | 1790.3 | 1790.6 | 1790.9 | 1791.2 | 1793.9 |
| 177.5° | 1801.2 | 1799.5 | 1797.8 | 1796.1 | 1794.5 | 1793.9 | 1794.3 | 1794.8 | 1795.3 | 1795.7 | 1797.7 |
| 180° | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 |



TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 | 906.2 |
| 2.5° | 902.9 | 904.2 | 905.5 | 906.2 | 906.1 | 905.9 | 905.8 | 905.7 |
| 5° | 896.8 | 898.4 | 899.9 | 900.5 | 900.2 | 899.9 | 899.6 | 899.3 |
| 7.5° | 884.8 | 885.8 | 886.9 | 887.1 | 886.6 | 886.1 | 885.6 | 885.1 |
| 10° | 874.1 | 874.8 | 875.4 | 875.4 | 874.8 | 874.1 | 873.5 | 872.9 |
| 12.5° | 860.9 | 861.2 | 861.7 | 861.4 | 860.5 | 859.7 | 858.8 | 857.9 |
| 15° | 837.6 | 837.3 | 837.0 | 836.3 | 835.2 | 834.1 | 833.0 | 832.0 |
| 17.5° | 809.6 | 808.7 | 807.8 | 806.6 | 804.9 | 803.3 | 801.6 | 800.0 |
| 20° | 790.0 | 788.7 | 787.5 | 785.9 | 783.9 | 781.9 | 779.9 | 777.8 |
| 22.5° | 768.2 | 766.3 | 764.5 | 762.8 | 761.1 | 759.5 | 757.9 | 756.2 |
| 25° | 733.1 | 730.4 | 727.8 | 725.8 | 724.2 | 722.6 | 721.1 | 719.5 |
| 27.5° | 697.2 | 694.0 | 690.8 | 688.0 | 685.8 | 683.6 | 681.4 | 679.2 |
| 30° | 671.6 | 667.7 | 663.9 | 660.8 | 658.3 | 655.8 | 653.4 | 650.9 |
| 32.5° | 645.4 | 641.0 | 636.4 | 633.0 | 630.7 | 628.4 | 626.0 | 623.7 |
| 35° | 606.4 | 601.1 | 595.9 | 591.9 | 589.2 | 586.3 | 583.5 | 580.8 |
| 37.5° | 564.5 | 558.7 | 552.8 | 548.5 | 545.6 | 542.9 | 540.1 | 537.3 |
| 40° | 536.6 | 530.1 | 523.6 | 519.1 | 516.2 | 513.4 | 510.7 | 507.9 |
| 42.5° | 509.2 | 502.6 | 496.0 | 491.2 | 488.3 | 485.4 | 482.5 | 479.7 |
| 45° | 467.2 | 459.6 | 452.0 | 446.8 | 444.1 | 441.3 | 438.5 | 435.8 |
| 47.5° | 424.8 | 417.0 | 409.1 | 403.7 | 400.6 | 397.6 | 394.6 | 391.5 |
| 50° | 396.7 | 389.1 | 381.3 | 376.0 | 373.1 | 370.1 | 367.2 | 364.3 |
| 52.5° | 368.7 | 360.9 | 353.1 | 347.7 | 344.6 | 341.5 | 338.5 | 335.5 |
| 55° | 327.4 | 319.4 | 311.4 | 305.9 | 303.0 | 300.1 | 297.1 | 294.2 |
| 57.5° | 287.0 | 278.9 | 270.8 | 265.6 | 263.4 | 261.2 | 259.0 | 256.7 |
| 60° | 260.1 | 252.1 | 244.1 | 238.9 | 236.4 | 233.9 | 231.5 | 229.0 |
| 62.5° | 233.6 | 226.2 | 218.8 | 214.1 | 212.1 | 210.2 | 208.2 | 206.3 |
| 65° | 195.6 | 189.0 | 182.4 | 178.1 | 176.3 | 174.4 | 172.5 | 170.7 |
| 67.5° | 160.7 | 155.0 | 149.3 | 145.4 | 143.4 | 141.3 | 139.3 | 137.2 |
| 70° | 137.0 | 131.9 | 126.7 | 123.4 | 121.9 | 120.4 | 118.8 | 117.3 |
| 72.5° | 115.7 | 111.3 | 106.9 | 104.1 | 102.6 | 101.2 | 99.8 | 98.4 |
| 75° | 85.2 | 81.7 | 78.1 | 75.9 | 74.9 | 74.0 | 73.1 | 72.1 |
| 77.5° | 60.3 | 58.2 | 56.1 | 54.9 | 54.7 | 54.4 | 54.1 | 53.9 |
| 80° | 46.3 | 45.8 | 45.3 | 45.0 | 44.9 | 44.7 | 44.6 | 44.4 |
| 82.5° | 35.9 | 35.6 | 35.3 | 35.0 | 34.9 | 34.7 | 34.6 | 34.4 |
| 85° | 20.9 | 20.6 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 |
| 87.5° | 14.2 | 14.4 | 14.6 | 14.9 | 15.1 | 15.3 | 15.6 | 15.9 |
| 90° | 33.2 | 35.0 | 36.7 | 38.0 | 38.5 | 39.1 | 39.8 | 40.3 |
| 92.5° | 32.1 | 33.9 | 35.7 | 36.6 | 36.7 | 36.9 | 37.0 | 37.1 |
| 95° | 33.2 | 35.0 | 36.7 | 37.8 | 38.1 | 38.4 | 38.7 | 39.0 |
| 97.5° | 35.8 | 36.0 | 36.2 | 36.5 | 36.7 | 37.1 | 37.4 | 37.6 |
| 100° | 49.0 | 44.0 | 38.9 | 36.5 | 36.7 | 37.1 | 37.4 | 37.6 |
| 102.5° | 175.5 | 120.6 | 65.9 | 38.5 | 38.5 | 38.6 | 38.7 | 38.7 |
| 105° | 424.9 | 427.7 | 430.3 | 426.2 | 415.5 | 404.7 | 394.0 | 383.3 |
| 107.5° | 525.8 | 527.1 | 528.3 | 529.6 | 530.7 | 531.8 | 533.0 | 534.1 |
| 110° | 594.2 | 594.9 | 595.4 | 596.2 | 597.1 | 598.0 | 598.9 | 599.8 |



TEST NUMBER: P333053-940

CATALOG NUMBER: S124RDIW-S575D1560U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 660.6 | 660.4 | 660.3 | 660.8 | 662.0 | 663.1 | 664.2 | 665.4 |
| 115° | 759.6 | 760.2 | 760.8 | 761.2 | 761.2 | 761.2 | 761.2 | 761.2 |
| 117.5° | 859.3 | 859.2 | 859.1 | 859.0 | 858.8 | 858.7 | 858.6 | 858.4 |
| 120° | 921.0 | 921.6 | 922.2 | 922.2 | 921.6 | 921.0 | 920.4 | 919.8 |
| 122.5° | 981.9 | 982.2 | 982.6 | 982.4 | 981.9 | 981.2 | 980.6 | 980.1 |
| 125° | 1066.8 | 1067.7 | 1068.6 | 1069.3 | 1069.5 | 1069.8 | 1070.1 | 1070.4 |
| 127.5° | 1151.3 | 1151.1 | 1150.9 | 1150.7 | 1150.5 | 1150.2 | 1150.0 | 1149.8 |
| 130° | 1202.8 | 1203.1 | 1203.4 | 1203.5 | 1203.5 | 1203.5 | 1203.5 | 1203.5 |
| 132.5° | 1253.4 | 1253.7 | 1253.9 | 1254.0 | 1253.7 | 1253.5 | 1253.3 | 1253.0 |
| 135° | 1323.0 | 1323.7 | 1324.3 | 1324.9 | 1325.4 | 1326.1 | 1326.7 | 1327.2 |
| 137.5° | 1389.9 | 1390.5 | 1391.2 | 1391.4 | 1391.2 | 1391.1 | 1390.9 | 1390.7 |
| 140° | 1431.3 | 1432.2 | 1433.1 | 1433.6 | 1434.0 | 1434.2 | 1434.5 | 1434.9 |
| 142.5° | 1469.5 | 1470.2 | 1470.8 | 1471.1 | 1471.2 | 1471.3 | 1471.3 | 1471.4 |
| 145° | 1524.2 | 1524.5 | 1524.7 | 1525.3 | 1525.8 | 1526.4 | 1527.1 | 1527.6 |
| 147.5° | 1572.2 | 1572.4 | 1572.7 | 1573.0 | 1573.2 | 1573.5 | 1573.9 | 1574.1 |
| 150° | 1602.9 | 1602.9 | 1602.9 | 1603.1 | 1603.4 | 1603.7 | 1604.0 | 1604.3 |
| 152.5° | 1629.7 | 1630.1 | 1630.7 | 1630.8 | 1630.6 | 1630.4 | 1630.2 | 1630.0 |
| 155° | 1665.8 | 1667.1 | 1668.2 | 1668.4 | 1667.5 | 1666.6 | 1665.7 | 1664.8 |
| 157.5° | 1696.9 | 1698.5 | 1700.0 | 1700.0 | 1698.5 | 1696.9 | 1695.4 | 1693.8 |
| 160° | 1716.8 | 1718.6 | 1720.4 | 1720.4 | 1718.6 | 1716.8 | 1715.0 | 1713.2 |
| 162.5° | 1733.0 | 1734.7 | 1736.5 | 1736.3 | 1734.4 | 1732.3 | 1730.3 | 1728.2 |
| 165° | 1755.6 | 1758.0 | 1760.4 | 1760.2 | 1757.6 | 1754.9 | 1752.2 | 1749.5 |
| 167.5° | 1772.3 | 1774.9 | 1777.5 | 1777.4 | 1774.3 | 1771.4 | 1768.4 | 1765.4 |
| 170° | 1782.5 | 1784.9 | 1787.3 | 1787.0 | 1784.0 | 1781.0 | 1778.1 | 1775.0 |
| 172.5° | 1789.0 | 1791.4 | 1793.8 | 1793.3 | 1790.1 | 1786.9 | 1783.7 | 1780.4 |
| 175° | 1796.5 | 1799.3 | 1802.0 | 1801.5 | 1797.9 | 1794.3 | 1790.7 | 1787.2 |
| 177.5° | 1799.6 | 1801.5 | 1803.4 | 1803.0 | 1800.1 | 1797.2 | 1794.3 | 1791.4 |
| 180° | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 | 1797.9 |

(END OF REPORT)