

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: P331836-927

Luminaire Tested: **S122RDIW-S865D970U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331836-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S865D970U927-4F0-1E-UDD-F1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5051.4 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

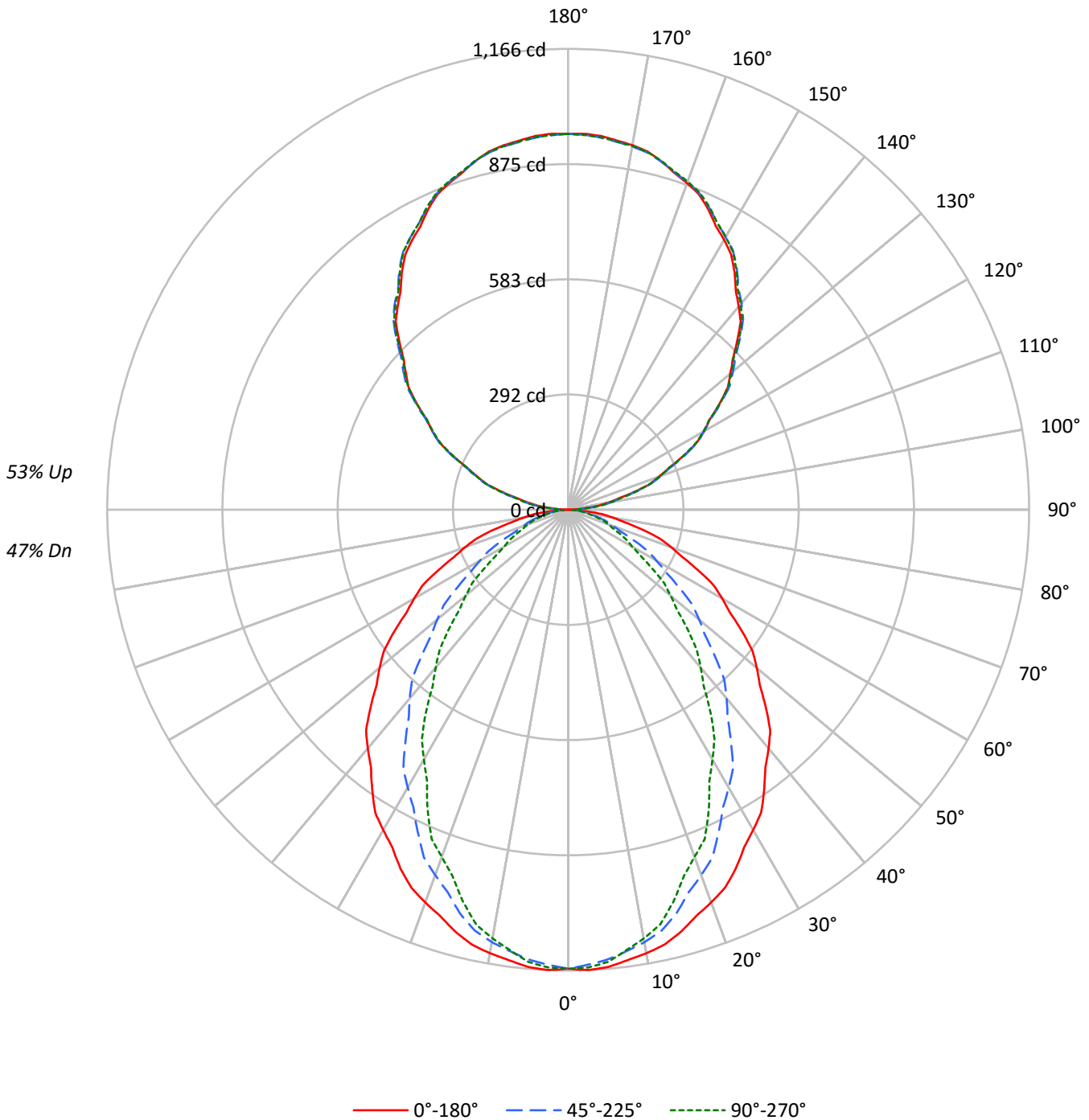
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-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 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 54 | 54 | 54 | 47 |
| 1 | 98 | 93 | 90 | 86 | 90 | 86 | 83 | 80 | 72 | 70 | 68 | 60 | 58 | 57 | 48 | 47 | 46 | 41 |
| 2 | 89 | 82 | 76 | 71 | 82 | 76 | 71 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 40 | 35 |
| 3 | 82 | 73 | 66 | 60 | 75 | 67 | 61 | 56 | 57 | 52 | 49 | 47 | 44 | 41 | 38 | 36 | 34 | 30 |
| 4 | 75 | 65 | 57 | 51 | 69 | 60 | 53 | 48 | 51 | 46 | 42 | 42 | 39 | 36 | 35 | 32 | 30 | 26 |
| 5 | 69 | 58 | 50 | 44 | 63 | 54 | 47 | 41 | 46 | 40 | 36 | 38 | 34 | 31 | 31 | 29 | 26 | 23 |
| 6 | 64 | 52 | 44 | 38 | 58 | 48 | 41 | 36 | 41 | 36 | 32 | 35 | 31 | 28 | 29 | 26 | 23 | 20 |
| 7 | 59 | 47 | 39 | 34 | 54 | 44 | 37 | 32 | 38 | 32 | 28 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 8 | 55 | 43 | 35 | 30 | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 19 | 17 |
| 9 | 51 | 39 | 32 | 27 | 47 | 37 | 30 | 25 | 32 | 26 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 15 |
| 10 | 48 | 36 | 29 | 24 | 44 | 34 | 27 | 23 | 29 | 24 | 21 | 25 | 21 | 18 | 21 | 18 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 18755 | 18755 | 18755 |
| 5° | 18827 | 18519 | 18621 |
| 10° | 18682 | 18216 | 18061 |
| 15° | 18467 | 17677 | 17167 |
| 20° | 18170 | 16905 | 16057 |
| 25° | 17865 | 16030 | 14982 |
| 30° | 17443 | 15129 | 13601 |
| 35° | 17030 | 14152 | 12390 |
| 40° | 16617 | 13139 | 10989 |
| 45° | 16130 | 12001 | 9720 |
| 50° | 15631 | 10854 | 8475 |
| 55° | 15122 | 9619 | 7279 |
| 60° | 14528 | 8315 | 6042 |
| 65° | 13857 | 6988 | 5501 |
| 70° | 13053 | 5755 | 5061 |
| 75° | 12071 | 5246 | 4722 |
| 80° | 10646 | 4695 | 4305 |
| 85° | 8373 | 3705 | 3705 |



TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 108.7 | 2.2 |
| 10°-20° | 298.5 | 5.9 |
| 20°-30° | 419.2 | 8.3 |
| 30°-40° | 457.1 | 9.0 |
| 40°-50° | 420.3 | 8.3 |
| 50°-60° | 330.1 | 6.5 |
| 60°-70° | 215.2 | 4.3 |
| 70°-80° | 111.0 | 2.2 |
| 80°-90° | 32.6 | 0.6 |
| 90°-100° | 60.2 | 1.2 |
| 100°-110° | 187.1 | 3.7 |
| 110°-120° | 319.9 | 6.3 |
| 120°-130° | 420.6 | 8.3 |
| 130°-140° | 472.1 | 9.3 |
| 140°-150° | 462.9 | 9.2 |
| 150°-160° | 388.3 | 7.7 |
| 160°-170° | 257.5 | 5.1 |
| 170°-180° | 90.0 | 1.8 |
| 0°-30° | 826.5 | 16.4 |
| 0°-40° | 1283.6 | 25.4 |
| 0°-60° | 2034.0 | 40.3 |
| 0°-90° | 2392.8 | 47.4 |
| 90°-120° | 567.2 | 11.2 |
| 90°-150° | 1922.8 | 38.1 |
| 90°-180° | 2659.0 | 52.6 |
| 0°-180° | 5051.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1162 | 1162 | 1162 | 1162 | 1162 | |
| 5° | 1162 | 1156 | 1143 | 1151 | 1149 | 110 |
| 15° | 1105 | 1092 | 1058 | 1038 | 1027 | 311 |
| 25° | 1003 | 967 | 900 | 858 | 841 | 461 |
| 35° | 864 | 808 | 718 | 654 | 629 | 541 |
| 45° | 706 | 634 | 526 | 454 | 426 | 545 |
| 55° | 537 | 453 | 342 | 281 | 259 | 480 |
| 65° | 363 | 277 | 183 | 149 | 144 | 359 |
| 75° | 194 | 122 | 84 | 77 | 76 | 205 |
| 85° | 45 | 24 | 20 | 20 | 20 | 53 |
| 90° | 1 | 11 | 28 | 27 | 27 | 4 |
| 95° | 42 | 49 | 51 | 51 | 50 | 48 |
| 105° | 172 | 175 | 176 | 178 | 178 | 182 |
| 115° | 321 | 325 | 324 | 323 | 321 | 317 |
| 125° | 467 | 474 | 472 | 470 | 469 | 417 |
| 135° | 604 | 613 | 615 | 614 | 611 | 467 |
| 145° | 733 | 739 | 744 | 744 | 741 | 458 |
| 155° | 838 | 841 | 843 | 847 | 845 | 386 |
| 165° | 912 | 912 | 912 | 917 | 913 | 257 |
| 175° | 949 | 947 | 945 | 950 | 946 | 90 |
| 180° | 951 | 951 | 951 | 951 | 951 | |



TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 |
| 2.5° | 1165.8 | 1164.8 | 1163.9 | 1162.9 | 1162.1 | 1160.5 | 1158.5 | 1156.4 | 1154.4 | 1152.3 | 1154.2 |
| 5° | 1161.6 | 1160.4 | 1159.2 | 1158.0 | 1156.9 | 1154.8 | 1151.8 | 1148.7 | 1145.7 | 1142.6 | 1144.7 |
| 7.5° | 1149.5 | 1148.1 | 1146.7 | 1145.3 | 1143.8 | 1141.3 | 1137.7 | 1134.2 | 1130.6 | 1127.0 | 1127.7 |
| 10° | 1139.5 | 1137.8 | 1136.2 | 1134.6 | 1132.9 | 1129.8 | 1125.1 | 1120.5 | 1115.8 | 1111.1 | 1110.4 |
| 12.5° | 1126.9 | 1124.8 | 1122.8 | 1120.9 | 1118.8 | 1114.8 | 1108.8 | 1102.9 | 1096.9 | 1090.9 | 1089.6 |
| 15° | 1104.8 | 1102.2 | 1099.6 | 1097.1 | 1094.5 | 1089.3 | 1081.3 | 1073.4 | 1065.4 | 1057.5 | 1053.0 |
| 17.5° | 1077.7 | 1073.7 | 1069.8 | 1065.9 | 1062.0 | 1054.9 | 1044.7 | 1034.5 | 1024.4 | 1014.2 | 1008.9 |
| 20° | 1057.5 | 1052.8 | 1048.1 | 1043.5 | 1038.8 | 1030.6 | 1018.9 | 1007.3 | 995.6 | 983.9 | 978.0 |
| 22.5° | 1035.6 | 1030.4 | 1025.2 | 1019.9 | 1014.7 | 1005.5 | 992.3 | 979.1 | 966.0 | 952.8 | 945.2 |
| 25° | 1002.8 | 995.4 | 987.9 | 980.4 | 973.0 | 961.5 | 946.0 | 930.7 | 915.2 | 899.8 | 890.3 |
| 27.5° | 963.3 | 955.1 | 947.1 | 938.9 | 930.8 | 918.1 | 900.6 | 883.3 | 865.9 | 848.5 | 837.3 |
| 30° | 935.6 | 926.7 | 917.8 | 908.9 | 900.1 | 886.3 | 867.6 | 848.9 | 830.2 | 811.5 | 799.6 |
| 32.5° | 908.6 | 898.3 | 887.9 | 877.5 | 867.1 | 852.5 | 833.4 | 814.3 | 795.3 | 776.2 | 762.6 |
| 35° | 864.0 | 852.2 | 840.3 | 828.3 | 816.4 | 800.2 | 779.6 | 759.1 | 738.6 | 718.0 | 703.2 |
| 37.5° | 819.5 | 806.4 | 793.4 | 780.2 | 767.1 | 749.6 | 727.8 | 705.8 | 684.0 | 662.0 | 645.8 |
| 40° | 788.4 | 774.4 | 760.3 | 746.3 | 732.3 | 714.0 | 691.3 | 668.7 | 646.0 | 623.4 | 606.7 |
| 42.5° | 756.5 | 741.6 | 726.9 | 712.2 | 697.4 | 678.3 | 654.9 | 631.4 | 608.1 | 584.6 | 567.5 |
| 45° | 706.4 | 690.7 | 675.1 | 659.4 | 643.8 | 623.7 | 599.2 | 574.6 | 550.1 | 525.6 | 509.0 |
| 47.5° | 657.6 | 641.0 | 624.5 | 607.8 | 591.3 | 570.3 | 545.0 | 519.7 | 494.3 | 469.1 | 452.6 |
| 50° | 622.3 | 605.7 | 589.1 | 572.5 | 556.0 | 534.8 | 509.1 | 483.4 | 457.7 | 432.1 | 415.9 |
| 52.5° | 587.8 | 570.5 | 553.2 | 535.8 | 518.5 | 497.3 | 472.1 | 446.9 | 421.8 | 396.7 | 381.1 |
| 55° | 537.2 | 519.0 | 500.7 | 482.5 | 464.3 | 442.5 | 417.3 | 392.1 | 366.9 | 341.7 | 327.6 |
| 57.5° | 485.2 | 466.5 | 447.8 | 429.1 | 410.5 | 389.0 | 364.7 | 340.5 | 316.2 | 292.0 | 279.2 |
| 60° | 449.9 | 431.2 | 412.6 | 393.9 | 375.2 | 353.8 | 329.7 | 305.6 | 281.6 | 257.5 | 245.7 |
| 62.5° | 415.4 | 396.7 | 378.0 | 359.3 | 340.6 | 319.9 | 296.9 | 274.0 | 251.0 | 228.1 | 216.7 |
| 65° | 362.7 | 343.7 | 324.8 | 305.9 | 287.0 | 267.0 | 246.0 | 225.0 | 203.9 | 182.9 | 175.0 |
| 67.5° | 311.8 | 293.0 | 274.3 | 255.4 | 236.6 | 217.8 | 198.9 | 180.0 | 161.1 | 142.1 | 138.5 |
| 70° | 276.5 | 258.3 | 240.0 | 221.8 | 203.6 | 186.4 | 170.3 | 154.2 | 138.1 | 121.9 | 119.6 |
| 72.5° | 242.8 | 225.4 | 207.9 | 190.4 | 172.9 | 157.7 | 144.8 | 131.8 | 118.9 | 106.0 | 104.0 |
| 75° | 193.5 | 177.1 | 160.7 | 144.3 | 128.0 | 115.9 | 107.9 | 100.0 | 92.1 | 84.1 | 82.5 |
| 77.5° | 144.9 | 130.5 | 116.1 | 101.8 | 87.5 | 78.4 | 74.5 | 70.7 | 66.9 | 63.1 | 62.1 |
| 80° | 114.5 | 102.7 | 90.8 | 78.8 | 66.9 | 59.8 | 57.4 | 55.1 | 52.8 | 50.5 | 49.5 |
| 82.5° | 86.8 | 77.6 | 68.2 | 58.9 | 49.7 | 44.2 | 42.6 | 41.0 | 39.5 | 37.9 | 37.3 |
| 85° | 45.2 | 40.3 | 35.4 | 30.5 | 25.6 | 22.8 | 22.1 | 21.4 | 20.7 | 20.0 | 20.0 |
| 87.5° | 13.6 | 12.5 | 11.5 | 10.4 | 9.3 | 9.2 | 10.0 | 10.8 | 11.6 | 12.4 | 12.1 |
| 90° | 0.8 | 2.9 | 5.1 | 7.2 | 9.3 | 12.4 | 16.3 | 20.2 | 24.2 | 28.0 | 27.7 |
| 92.5° | 14.3 | 15.8 | 17.4 | 19.0 | 20.6 | 21.8 | 22.7 | 23.7 | 24.6 | 25.5 | 25.6 |
| 95° | 41.7 | 43.5 | 45.3 | 47.1 | 48.9 | 49.9 | 50.3 | 50.6 | 51.0 | 51.3 | 51.3 |
| 97.5° | 76.2 | 77.8 | 79.4 | 81.0 | 82.5 | 83.7 | 84.3 | 85.0 | 85.6 | 86.3 | 86.3 |
| 100° | 101.9 | 103.3 | 104.7 | 106.2 | 107.6 | 108.6 | 109.1 | 109.6 | 110.2 | 110.7 | 110.7 |
| 102.5° | 128.9 | 130.0 | 131.1 | 132.3 | 133.4 | 134.4 | 135.0 | 135.7 | 136.3 | 137.0 | 137.2 |
| 105° | 172.5 | 173.0 | 173.6 | 174.1 | 174.7 | 175.1 | 175.5 | 175.8 | 176.2 | 176.5 | 176.9 |
| 107.5° | 216.5 | 217.3 | 218.0 | 218.8 | 219.6 | 220.0 | 220.0 | 220.0 | 220.0 | 220.0 | 220.1 |
| 110° | 244.7 | 245.8 | 246.8 | 248.0 | 249.0 | 249.5 | 249.5 | 249.5 | 249.5 | 249.5 | 249.5 |



TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 275.5 | 276.6 | 277.7 | 278.8 | 279.8 | 280.3 | 280.1 | 280.0 | 279.9 | 279.7 | 279.2 |
| 115° | 320.9 | 322.0 | 323.1 | 324.2 | 325.2 | 325.6 | 325.2 | 324.9 | 324.5 | 324.2 | 324.0 |
| 117.5° | 366.2 | 367.7 | 369.1 | 370.5 | 371.9 | 372.1 | 371.1 | 370.1 | 369.2 | 368.1 | 367.7 |
| 120° | 396.4 | 397.8 | 399.3 | 400.7 | 402.1 | 402.1 | 400.7 | 399.3 | 397.8 | 396.4 | 396.4 |
| 122.5° | 424.0 | 425.7 | 427.4 | 429.1 | 430.8 | 431.2 | 430.2 | 429.2 | 428.2 | 427.1 | 426.7 |
| 125° | 467.0 | 468.6 | 470.2 | 471.8 | 473.4 | 474.0 | 473.4 | 472.9 | 472.3 | 471.8 | 471.3 |
| 127.5° | 508.9 | 510.9 | 512.9 | 515.0 | 517.0 | 517.7 | 517.1 | 516.4 | 515.8 | 515.2 | 514.4 |
| 130° | 535.2 | 537.5 | 539.8 | 542.2 | 544.5 | 545.4 | 545.1 | 544.7 | 544.4 | 544.0 | 543.7 |
| 132.5° | 564.7 | 566.6 | 568.5 | 570.4 | 572.3 | 573.2 | 573.3 | 573.4 | 573.5 | 573.5 | 572.7 |
| 135° | 604.2 | 606.2 | 608.1 | 610.1 | 612.0 | 613.1 | 613.5 | 613.9 | 614.3 | 614.6 | 614.4 |
| 137.5° | 645.7 | 647.4 | 649.0 | 650.5 | 652.1 | 653.2 | 653.6 | 654.1 | 654.6 | 655.1 | 654.9 |
| 140° | 670.7 | 672.4 | 674.0 | 675.6 | 677.2 | 678.4 | 679.4 | 680.2 | 681.1 | 682.0 | 682.0 |
| 142.5° | 696.5 | 698.1 | 699.7 | 701.2 | 702.9 | 704.0 | 704.6 | 705.2 | 705.8 | 706.4 | 706.5 |
| 145° | 733.3 | 734.6 | 735.9 | 737.1 | 738.4 | 739.5 | 740.6 | 741.6 | 742.8 | 743.8 | 743.9 |
| 147.5° | 766.3 | 767.8 | 769.3 | 770.7 | 772.2 | 773.3 | 774.0 | 774.8 | 775.5 | 776.2 | 776.6 |
| 150° | 788.7 | 789.8 | 790.8 | 791.9 | 793.0 | 793.9 | 794.6 | 795.4 | 796.1 | 796.8 | 797.3 |
| 152.5° | 808.7 | 809.7 | 810.8 | 811.8 | 812.9 | 813.9 | 814.8 | 815.6 | 816.4 | 817.3 | 817.9 |
| 155° | 838.4 | 839.0 | 839.6 | 840.1 | 840.6 | 841.1 | 841.7 | 842.2 | 842.7 | 843.3 | 844.1 |
| 157.5° | 864.0 | 864.4 | 864.7 | 865.1 | 865.4 | 865.8 | 866.1 | 866.4 | 866.7 | 867.0 | 868.2 |
| 160° | 879.4 | 879.7 | 880.1 | 880.4 | 880.8 | 881.1 | 881.3 | 881.5 | 881.6 | 881.8 | 882.9 |
| 162.5° | 893.5 | 893.6 | 893.7 | 893.7 | 893.8 | 893.9 | 894.1 | 894.3 | 894.5 | 894.6 | 895.9 |
| 165° | 912.3 | 912.1 | 912.0 | 911.7 | 911.6 | 911.5 | 911.5 | 911.5 | 911.5 | 911.5 | 912.8 |
| 167.5° | 928.0 | 927.5 | 926.9 | 926.4 | 925.9 | 925.6 | 925.6 | 925.5 | 925.5 | 925.4 | 926.7 |
| 170° | 936.4 | 935.8 | 935.3 | 934.8 | 934.2 | 933.9 | 933.7 | 933.5 | 933.3 | 933.2 | 934.4 |
| 172.5° | 942.1 | 941.6 | 941.0 | 940.6 | 940.0 | 939.6 | 939.4 | 939.3 | 939.1 | 938.9 | 940.2 |
| 175° | 949.2 | 948.6 | 948.2 | 947.6 | 947.1 | 946.6 | 946.3 | 945.9 | 945.5 | 945.2 | 946.4 |
| 177.5° | 952.1 | 951.6 | 951.3 | 950.8 | 950.4 | 950.0 | 949.7 | 949.4 | 949.2 | 948.9 | 949.7 |
| 180° | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 |



TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 | 1161.6 |
| 2.5° | 1156.0 | 1157.9 | 1159.8 | 1160.5 | 1160.2 | 1159.8 | 1159.4 | 1159.0 |
| 5° | 1146.8 | 1148.9 | 1151.0 | 1151.8 | 1151.0 | 1150.3 | 1149.6 | 1148.9 |
| 7.5° | 1128.3 | 1128.9 | 1129.5 | 1129.2 | 1128.0 | 1126.8 | 1125.5 | 1124.3 |
| 10° | 1109.7 | 1109.0 | 1108.3 | 1107.2 | 1105.8 | 1104.5 | 1103.0 | 1101.6 |
| 12.5° | 1088.4 | 1087.1 | 1085.8 | 1084.1 | 1081.7 | 1079.4 | 1077.1 | 1074.8 |
| 15° | 1048.6 | 1044.2 | 1039.7 | 1036.3 | 1034.0 | 1031.7 | 1029.4 | 1027.0 |
| 17.5° | 1003.6 | 998.3 | 993.1 | 988.4 | 984.4 | 980.4 | 976.4 | 972.3 |
| 20° | 972.2 | 966.4 | 960.5 | 955.1 | 949.9 | 944.8 | 939.6 | 934.5 |
| 22.5° | 937.8 | 930.3 | 922.7 | 917.0 | 913.2 | 909.3 | 905.5 | 901.7 |
| 25° | 880.7 | 871.1 | 861.5 | 854.9 | 851.4 | 848.0 | 844.5 | 841.0 |
| 27.5° | 826.2 | 815.0 | 803.8 | 795.5 | 790.0 | 784.3 | 778.8 | 773.2 |
| 30° | 787.7 | 775.8 | 763.8 | 754.7 | 748.5 | 742.1 | 735.9 | 729.5 |
| 32.5° | 749.0 | 735.4 | 721.8 | 712.0 | 706.2 | 700.2 | 694.3 | 688.3 |
| 35° | 688.5 | 673.8 | 659.1 | 649.2 | 644.0 | 638.9 | 633.7 | 628.6 |
| 37.5° | 629.6 | 613.4 | 597.2 | 586.1 | 580.3 | 574.3 | 568.5 | 562.6 |
| 40° | 590.2 | 573.6 | 557.0 | 545.7 | 539.6 | 533.5 | 527.4 | 521.4 |
| 42.5° | 550.4 | 533.2 | 516.1 | 504.5 | 498.7 | 492.8 | 486.9 | 481.0 |
| 45° | 492.4 | 475.9 | 459.2 | 448.1 | 442.5 | 437.0 | 431.3 | 425.7 |
| 47.5° | 436.0 | 419.5 | 403.1 | 392.3 | 387.2 | 382.1 | 377.0 | 371.9 |
| 50° | 399.8 | 383.7 | 367.6 | 357.0 | 352.1 | 347.2 | 342.3 | 337.4 |
| 52.5° | 365.6 | 350.1 | 334.5 | 324.5 | 319.9 | 315.4 | 310.9 | 306.3 |
| 55° | 313.6 | 299.6 | 285.6 | 276.3 | 271.9 | 267.4 | 263.0 | 258.6 |
| 57.5° | 266.3 | 253.5 | 240.7 | 232.3 | 228.6 | 224.8 | 221.1 | 217.4 |
| 60° | 233.7 | 221.8 | 209.8 | 202.1 | 198.3 | 194.6 | 190.8 | 187.1 |
| 62.5° | 205.4 | 194.1 | 182.7 | 175.9 | 173.6 | 171.4 | 169.1 | 166.9 |
| 65° | 167.0 | 159.1 | 151.1 | 146.8 | 146.1 | 145.4 | 144.7 | 144.0 |
| 67.5° | 134.8 | 131.2 | 127.5 | 125.3 | 124.6 | 123.8 | 123.1 | 122.4 |
| 70° | 117.2 | 114.9 | 112.6 | 111.0 | 110.0 | 109.1 | 108.1 | 107.2 |
| 72.5° | 102.0 | 100.1 | 98.1 | 96.9 | 96.3 | 95.7 | 95.1 | 94.6 |
| 75° | 80.8 | 79.2 | 77.6 | 76.6 | 76.4 | 76.1 | 75.9 | 75.7 |
| 77.5° | 61.2 | 60.3 | 59.3 | 58.7 | 58.3 | 57.9 | 57.6 | 57.2 |
| 80° | 48.6 | 47.7 | 46.7 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 82.5° | 36.8 | 36.1 | 35.6 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 85° | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 87.5° | 11.8 | 11.6 | 11.3 | 11.2 | 11.2 | 11.2 | 11.3 | 11.3 |
| 90° | 27.3 | 27.0 | 26.6 | 26.5 | 26.8 | 26.9 | 27.1 | 27.3 |
| 92.5° | 25.7 | 25.7 | 25.8 | 25.8 | 25.9 | 25.9 | 26.0 | 26.0 |
| 95° | 51.3 | 51.3 | 51.3 | 51.2 | 50.8 | 50.5 | 50.1 | 49.7 |
| 97.5° | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.2 | 86.2 |
| 100° | 110.7 | 110.7 | 110.7 | 110.7 | 110.4 | 110.3 | 110.1 | 110.0 |
| 102.5° | 137.4 | 137.4 | 137.6 | 137.6 | 137.4 | 137.2 | 137.0 | 136.9 |
| 105° | 177.2 | 177.6 | 177.9 | 178.2 | 178.2 | 178.2 | 178.2 | 178.2 |
| 107.5° | 220.3 | 220.5 | 220.5 | 220.2 | 219.4 | 218.6 | 217.8 | 217.0 |
| 110° | 249.5 | 249.5 | 249.5 | 249.3 | 248.7 | 248.2 | 247.6 | 247.2 |



TEST NUMBER: P331836-927

CATALOG NUMBER: S122RDIW-S865D970U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.8 | 278.5 | 278.0 | 277.6 | 277.2 | 276.8 | 276.4 | 276.0 |
| 115° | 323.8 | 323.6 | 323.4 | 323.1 | 322.6 | 322.0 | 321.5 | 320.9 |
| 117.5° | 367.3 | 366.9 | 366.4 | 365.9 | 365.4 | 364.9 | 364.3 | 363.8 |
| 120° | 396.4 | 396.4 | 396.4 | 396.1 | 395.5 | 395.1 | 394.5 | 394.0 |
| 122.5° | 426.4 | 425.9 | 425.5 | 425.1 | 424.7 | 424.3 | 423.9 | 423.5 |
| 125° | 470.7 | 470.2 | 469.7 | 469.3 | 469.1 | 469.0 | 468.7 | 468.6 |
| 127.5° | 513.8 | 513.2 | 512.5 | 511.9 | 511.4 | 510.8 | 510.2 | 509.7 |
| 130° | 543.3 | 543.0 | 542.6 | 542.0 | 541.3 | 540.6 | 539.9 | 539.2 |
| 132.5° | 572.0 | 571.2 | 570.4 | 569.7 | 569.2 | 568.5 | 568.0 | 567.4 |
| 135° | 614.3 | 614.1 | 613.9 | 613.5 | 613.0 | 612.4 | 612.0 | 611.4 |
| 137.5° | 654.7 | 654.7 | 654.5 | 654.0 | 653.3 | 652.6 | 651.9 | 651.2 |
| 140° | 682.0 | 682.0 | 682.0 | 681.7 | 681.0 | 680.2 | 679.5 | 678.8 |
| 142.5° | 706.7 | 706.9 | 706.9 | 706.7 | 706.0 | 705.3 | 704.6 | 703.9 |
| 145° | 744.2 | 744.3 | 744.5 | 744.3 | 743.5 | 742.8 | 742.1 | 741.4 |
| 147.5° | 777.0 | 777.4 | 777.8 | 777.6 | 777.0 | 776.3 | 775.6 | 774.9 |
| 150° | 797.8 | 798.4 | 798.9 | 798.9 | 798.4 | 797.8 | 797.3 | 796.8 |
| 152.5° | 818.6 | 819.4 | 820.0 | 820.0 | 819.4 | 818.6 | 817.9 | 817.3 |
| 155° | 845.1 | 846.0 | 846.8 | 847.0 | 846.5 | 846.0 | 845.4 | 844.9 |
| 157.5° | 869.5 | 870.7 | 871.9 | 872.0 | 871.2 | 870.4 | 869.5 | 868.6 |
| 160° | 883.9 | 885.0 | 886.1 | 886.3 | 885.6 | 884.9 | 884.2 | 883.4 |
| 162.5° | 897.1 | 898.3 | 899.5 | 899.7 | 898.8 | 897.9 | 897.1 | 896.3 |
| 165° | 914.0 | 915.2 | 916.5 | 916.6 | 915.8 | 914.9 | 914.0 | 913.1 |
| 167.5° | 928.0 | 929.2 | 930.4 | 930.6 | 929.7 | 928.8 | 927.8 | 926.9 |
| 170° | 935.6 | 936.9 | 938.2 | 938.3 | 937.2 | 936.1 | 935.0 | 934.0 |
| 172.5° | 941.4 | 942.7 | 943.9 | 944.0 | 942.9 | 941.9 | 940.8 | 939.8 |
| 175° | 947.7 | 949.0 | 950.1 | 950.3 | 949.2 | 948.2 | 947.1 | 946.0 |
| 177.5° | 950.6 | 951.4 | 952.3 | 952.3 | 951.4 | 950.6 | 949.7 | 948.9 |
| 180° | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 | 950.8 |

(END OF REPORT)