

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: P331832-935

Luminaire Tested: **S122RDIW-S865D710U935-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331832-935
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-S865D710U935-4F0-1E-UDD-F1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 710 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

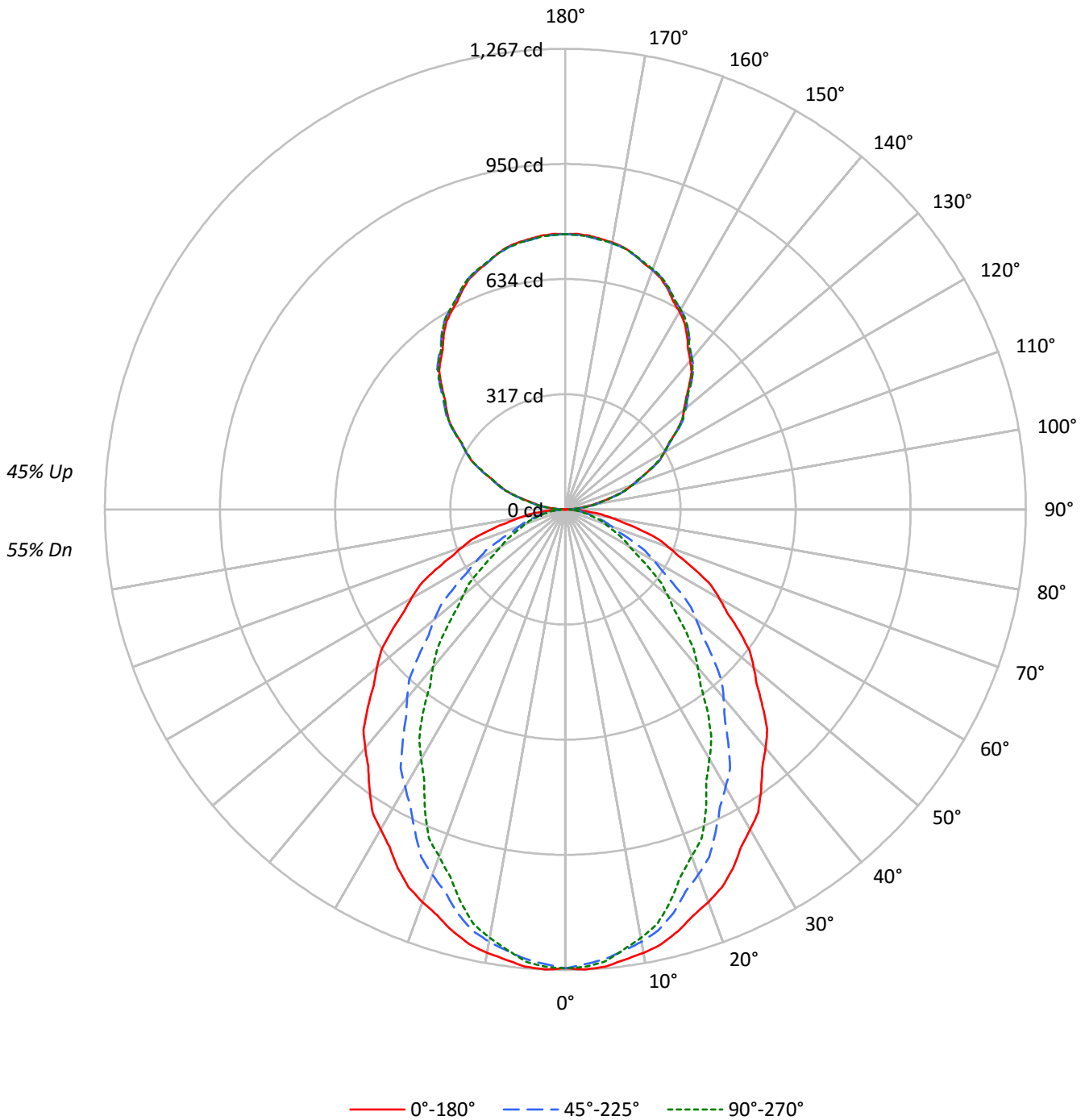
Lumens per Lamp: N/A
Luminaire Lumens: 4716.6 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 0.99 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): 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: P331832-935
CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331832-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 99 | 95 | 92 | 88 | 92 | 89 | 85 | 83 | 76 | 74 | 72 | 65 | 63 | 62 | 55 | 53 | 52 | 47 |
| 2 | 91 | 84 | 78 | 73 | 84 | 78 | 73 | 69 | 68 | 64 | 60 | 58 | 55 | 52 | 49 | 47 | 45 | 41 |
| 3 | 83 | 74 | 67 | 61 | 77 | 69 | 63 | 58 | 60 | 55 | 51 | 52 | 48 | 45 | 44 | 41 | 39 | 35 |
| 4 | 77 | 66 | 58 | 52 | 71 | 62 | 55 | 50 | 54 | 48 | 44 | 46 | 42 | 39 | 39 | 36 | 34 | 31 |
| 5 | 70 | 59 | 51 | 45 | 65 | 55 | 48 | 43 | 48 | 43 | 39 | 42 | 38 | 34 | 36 | 32 | 30 | 27 |
| 6 | 65 | 53 | 45 | 40 | 60 | 50 | 43 | 38 | 44 | 38 | 34 | 38 | 34 | 30 | 33 | 29 | 27 | 24 |
| 7 | 60 | 48 | 40 | 35 | 56 | 45 | 38 | 33 | 40 | 34 | 30 | 35 | 30 | 27 | 30 | 26 | 24 | 21 |
| 8 | 56 | 44 | 36 | 31 | 52 | 41 | 35 | 30 | 37 | 31 | 27 | 32 | 27 | 24 | 28 | 24 | 22 | 19 |
| 9 | 52 | 40 | 33 | 28 | 49 | 38 | 31 | 27 | 34 | 28 | 24 | 29 | 25 | 22 | 26 | 22 | 20 | 18 |
| 10 | 49 | 37 | 30 | 25 | 46 | 35 | 29 | 24 | 31 | 26 | 22 | 27 | 23 | 20 | 24 | 20 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 20384 | 20384 | 20384 |
| 5° | 20462 | 20128 | 20238 |
| 10° | 20305 | 19799 | 19630 |
| 15° | 20072 | 19211 | 18658 |
| 20° | 19747 | 18374 | 17452 |
| 25° | 19417 | 17423 | 16283 |
| 30° | 18957 | 16444 | 14783 |
| 35° | 18510 | 15380 | 13466 |
| 40° | 18061 | 14280 | 11944 |
| 45° | 17532 | 13045 | 10565 |
| 50° | 16990 | 11796 | 9211 |
| 55° | 16434 | 10452 | 7910 |
| 60° | 15791 | 9038 | 6568 |
| 65° | 15060 | 7595 | 5979 |
| 70° | 14186 | 6255 | 5500 |
| 75° | 13119 | 5702 | 5128 |
| 80° | 11576 | 5095 | 4677 |
| 85° | 9114 | 4020 | 4020 |



TEST NUMBER: P331832-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 118.2 | 2.5 |
| 10°-20° | 324.5 | 6.9 |
| 20°-30° | 455.6 | 9.7 |
| 30°-40° | 496.8 | 10.5 |
| 40°-50° | 456.8 | 9.7 |
| 50°-60° | 358.8 | 7.6 |
| 60°-70° | 233.9 | 5.0 |
| 70°-80° | 120.6 | 2.6 |
| 80°-90° | 34.3 | 0.7 |
| 90°-100° | 48.0 | 1.0 |
| 100°-110° | 149.0 | 3.2 |
| 110°-120° | 254.7 | 5.4 |
| 120°-130° | 334.9 | 7.1 |
| 130°-140° | 375.9 | 8.0 |
| 140°-150° | 368.6 | 7.8 |
| 150°-160° | 309.2 | 6.6 |
| 160°-170° | 205.1 | 4.3 |
| 170°-180° | 71.7 | 1.5 |
| 0°-30° | 898.3 | 19.0 |
| 0°-40° | 1395.1 | 29.6 |
| 0°-60° | 2210.7 | 46.9 |
| 0°-90° | 2599.6 | 55.1 |
| 90°-120° | 451.7 | 9.6 |
| 90°-150° | 1531.1 | 32.5 |
| 90°-180° | 2117.0 | 44.9 |
| 0°-180° | 4716.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1262 | 1262 | 1262 | 1262 | 1262 | |
| 5° | 1262 | 1256 | 1242 | 1251 | 1249 | 120 |
| 15° | 1201 | 1187 | 1149 | 1128 | 1116 | 338 |
| 25° | 1090 | 1051 | 978 | 933 | 914 | 501 |
| 35° | 939 | 878 | 780 | 711 | 683 | 587 |
| 45° | 768 | 689 | 571 | 493 | 463 | 593 |
| 55° | 584 | 493 | 371 | 305 | 281 | 521 |
| 65° | 394 | 301 | 199 | 162 | 156 | 391 |
| 75° | 210 | 133 | 91 | 84 | 82 | 223 |
| 85° | 49 | 26 | 22 | 22 | 22 | 58 |
| 90° | 1 | 9 | 22 | 21 | 22 | 4 |
| 95° | 33 | 39 | 41 | 41 | 40 | 38 |
| 105° | 137 | 139 | 141 | 142 | 142 | 145 |
| 115° | 256 | 259 | 258 | 257 | 256 | 253 |
| 125° | 372 | 377 | 376 | 374 | 373 | 332 |
| 135° | 481 | 488 | 489 | 489 | 487 | 372 |
| 145° | 584 | 588 | 592 | 593 | 590 | 365 |
| 155° | 668 | 670 | 672 | 674 | 673 | 307 |
| 165° | 726 | 726 | 726 | 730 | 727 | 205 |
| 175° | 756 | 754 | 753 | 757 | 753 | 72 |
| 180° | 757 | 757 | 757 | 757 | 757 | |



TEST NUMBER: P331832-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 |
| 2.5° | 1267.0 | 1266.0 | 1265.0 | 1263.9 | 1263.0 | 1261.4 | 1259.1 | 1256.9 | 1254.6 | 1252.4 | 1254.5 |
| 5° | 1262.5 | 1261.2 | 1259.9 | 1258.6 | 1257.4 | 1255.1 | 1251.8 | 1248.5 | 1245.2 | 1241.9 | 1244.1 |
| 7.5° | 1249.4 | 1247.8 | 1246.3 | 1244.7 | 1243.1 | 1240.4 | 1236.6 | 1232.7 | 1228.8 | 1224.9 | 1225.6 |
| 10° | 1238.5 | 1236.7 | 1234.9 | 1233.1 | 1231.3 | 1228.0 | 1222.9 | 1217.8 | 1212.7 | 1207.6 | 1206.9 |
| 12.5° | 1224.8 | 1222.5 | 1220.4 | 1218.2 | 1216.0 | 1211.7 | 1205.1 | 1198.7 | 1192.1 | 1185.7 | 1184.3 |
| 15° | 1200.8 | 1198.0 | 1195.2 | 1192.4 | 1189.6 | 1183.9 | 1175.3 | 1166.7 | 1158.0 | 1149.3 | 1144.5 |
| 17.5° | 1171.3 | 1167.0 | 1162.8 | 1158.5 | 1154.3 | 1146.6 | 1135.5 | 1124.4 | 1113.4 | 1102.3 | 1096.6 |
| 20° | 1149.3 | 1144.3 | 1139.2 | 1134.1 | 1129.0 | 1120.2 | 1107.4 | 1094.8 | 1082.1 | 1069.4 | 1063.0 |
| 22.5° | 1125.6 | 1119.9 | 1114.2 | 1108.5 | 1102.9 | 1092.9 | 1078.5 | 1064.2 | 1049.9 | 1035.5 | 1027.3 |
| 25° | 1089.9 | 1081.8 | 1073.7 | 1065.6 | 1057.5 | 1045.0 | 1028.2 | 1011.5 | 994.7 | 978.0 | 967.6 |
| 27.5° | 1047.0 | 1038.1 | 1029.3 | 1020.5 | 1011.7 | 997.8 | 978.9 | 960.0 | 941.1 | 922.2 | 910.1 |
| 30° | 1016.8 | 1007.2 | 997.6 | 987.9 | 978.3 | 963.3 | 943.0 | 922.6 | 902.3 | 882.0 | 869.1 |
| 32.5° | 987.6 | 976.3 | 965.0 | 953.7 | 942.5 | 926.5 | 905.8 | 885.0 | 864.4 | 843.6 | 828.9 |
| 35° | 939.1 | 926.2 | 913.3 | 900.3 | 887.3 | 869.7 | 847.3 | 825.0 | 802.7 | 780.3 | 764.3 |
| 37.5° | 890.7 | 876.5 | 862.3 | 848.0 | 833.8 | 814.8 | 791.0 | 767.2 | 743.4 | 719.5 | 701.9 |
| 40° | 856.9 | 841.6 | 826.4 | 811.1 | 795.9 | 776.0 | 751.4 | 726.8 | 702.1 | 677.5 | 659.4 |
| 42.5° | 822.2 | 806.1 | 790.1 | 774.0 | 757.9 | 737.2 | 711.8 | 686.3 | 660.9 | 635.4 | 616.8 |
| 45° | 767.8 | 750.7 | 733.7 | 716.7 | 699.7 | 677.9 | 651.3 | 624.6 | 597.9 | 571.3 | 553.2 |
| 47.5° | 714.7 | 696.7 | 678.7 | 660.6 | 642.7 | 619.8 | 592.4 | 564.8 | 537.3 | 509.8 | 491.9 |
| 50° | 676.4 | 658.3 | 640.3 | 622.2 | 604.2 | 581.3 | 553.4 | 525.4 | 497.5 | 469.6 | 452.0 |
| 52.5° | 638.9 | 620.0 | 601.2 | 582.4 | 563.5 | 540.4 | 513.2 | 485.8 | 458.5 | 431.2 | 414.2 |
| 55° | 583.8 | 564.0 | 544.2 | 524.4 | 504.6 | 481.0 | 453.6 | 426.1 | 398.7 | 371.3 | 356.1 |
| 57.5° | 527.4 | 507.0 | 486.7 | 466.4 | 446.2 | 422.8 | 396.4 | 370.1 | 343.7 | 317.4 | 303.4 |
| 60° | 489.0 | 468.6 | 448.4 | 428.1 | 407.8 | 384.5 | 358.3 | 332.2 | 306.1 | 279.9 | 267.0 |
| 62.5° | 451.5 | 431.2 | 410.9 | 390.5 | 370.2 | 347.7 | 322.7 | 297.8 | 272.9 | 247.9 | 235.6 |
| 65° | 394.2 | 373.6 | 353.0 | 332.4 | 311.9 | 290.2 | 267.3 | 244.5 | 221.6 | 198.8 | 190.2 |
| 67.5° | 338.9 | 318.5 | 298.1 | 277.6 | 257.2 | 236.7 | 216.2 | 195.6 | 175.0 | 154.5 | 150.5 |
| 70° | 300.5 | 280.7 | 260.9 | 241.1 | 221.3 | 202.6 | 185.1 | 167.6 | 150.1 | 132.5 | 130.0 |
| 72.5° | 263.9 | 245.0 | 225.9 | 207.0 | 188.0 | 171.4 | 157.4 | 143.3 | 129.2 | 115.2 | 113.0 |
| 75° | 210.3 | 192.4 | 174.7 | 156.9 | 139.1 | 126.0 | 117.3 | 108.7 | 100.0 | 91.4 | 89.6 |
| 77.5° | 157.5 | 141.8 | 126.2 | 110.6 | 95.1 | 85.2 | 81.0 | 76.9 | 72.8 | 68.5 | 67.5 |
| 80° | 124.5 | 111.6 | 98.7 | 85.7 | 72.8 | 65.0 | 62.4 | 59.9 | 57.3 | 54.8 | 53.8 |
| 82.5° | 94.4 | 84.3 | 74.1 | 64.1 | 54.0 | 48.0 | 46.3 | 44.6 | 42.9 | 41.2 | 40.6 |
| 85° | 49.2 | 43.8 | 38.5 | 33.1 | 27.8 | 24.8 | 24.0 | 23.2 | 22.5 | 21.7 | 21.7 |
| 87.5° | 14.7 | 13.4 | 12.2 | 10.9 | 9.6 | 9.3 | 9.9 | 10.5 | 11.2 | 11.8 | 11.5 |
| 90° | 0.6 | 2.3 | 4.0 | 5.8 | 7.5 | 9.9 | 13.0 | 16.1 | 19.2 | 22.4 | 22.0 |
| 92.5° | 11.4 | 12.7 | 13.9 | 15.2 | 16.4 | 17.4 | 18.1 | 18.9 | 19.5 | 20.3 | 20.4 |
| 95° | 33.2 | 34.6 | 36.1 | 37.5 | 38.9 | 39.8 | 40.0 | 40.3 | 40.6 | 40.9 | 40.9 |
| 97.5° | 60.7 | 61.9 | 63.2 | 64.4 | 65.7 | 66.6 | 67.2 | 67.7 | 68.2 | 68.7 | 68.7 |
| 100° | 81.1 | 82.3 | 83.4 | 84.6 | 85.7 | 86.4 | 86.9 | 87.3 | 87.7 | 88.2 | 88.2 |
| 102.5° | 102.6 | 103.5 | 104.4 | 105.3 | 106.2 | 106.9 | 107.5 | 108.1 | 108.6 | 109.1 | 109.3 |
| 105° | 137.3 | 137.8 | 138.2 | 138.6 | 139.1 | 139.4 | 139.7 | 140.0 | 140.3 | 140.6 | 140.9 |
| 107.5° | 172.4 | 173.0 | 173.7 | 174.3 | 174.9 | 175.2 | 175.2 | 175.2 | 175.2 | 175.2 | 175.3 |
| 110° | 194.8 | 195.7 | 196.6 | 197.4 | 198.3 | 198.7 | 198.7 | 198.7 | 198.7 | 198.7 | 198.7 |



TEST NUMBER: P331832-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.4 | 220.2 | 221.1 | 222.0 | 222.8 | 223.2 | 223.1 | 222.9 | 222.8 | 222.7 | 222.4 |
| 115° | 255.5 | 256.4 | 257.3 | 258.1 | 259.0 | 259.2 | 259.0 | 258.6 | 258.4 | 258.1 | 258.0 |
| 117.5° | 291.6 | 292.7 | 293.9 | 295.0 | 296.1 | 296.3 | 295.5 | 294.7 | 293.9 | 293.2 | 292.8 |
| 120° | 315.6 | 316.8 | 317.9 | 319.0 | 320.1 | 320.1 | 319.0 | 317.9 | 316.8 | 315.6 | 315.6 |
| 122.5° | 337.6 | 339.0 | 340.4 | 341.6 | 343.0 | 343.4 | 342.5 | 341.7 | 341.0 | 340.2 | 339.8 |
| 125° | 371.9 | 373.2 | 374.4 | 375.7 | 376.9 | 377.4 | 376.9 | 376.5 | 376.1 | 375.7 | 375.2 |
| 127.5° | 405.2 | 406.8 | 408.5 | 410.0 | 411.6 | 412.2 | 411.7 | 411.2 | 410.7 | 410.2 | 409.7 |
| 130° | 426.1 | 428.0 | 429.8 | 431.7 | 433.5 | 434.3 | 434.0 | 433.8 | 433.4 | 433.2 | 432.9 |
| 132.5° | 449.7 | 451.2 | 452.7 | 454.2 | 455.6 | 456.5 | 456.5 | 456.6 | 456.7 | 456.7 | 456.1 |
| 135° | 481.1 | 482.7 | 484.2 | 485.8 | 487.3 | 488.3 | 488.5 | 488.9 | 489.1 | 489.4 | 489.2 |
| 137.5° | 514.2 | 515.5 | 516.8 | 518.1 | 519.3 | 520.1 | 520.5 | 520.9 | 521.2 | 521.6 | 521.5 |
| 140° | 534.2 | 535.4 | 536.7 | 538.0 | 539.2 | 540.2 | 541.0 | 541.7 | 542.3 | 543.0 | 543.0 |
| 142.5° | 554.6 | 555.9 | 557.2 | 558.4 | 559.6 | 560.6 | 561.0 | 561.5 | 562.0 | 562.5 | 562.6 |
| 145° | 583.9 | 585.0 | 585.9 | 586.9 | 588.0 | 588.8 | 589.7 | 590.6 | 591.4 | 592.3 | 592.4 |
| 147.5° | 610.2 | 611.3 | 612.5 | 613.7 | 614.9 | 615.8 | 616.4 | 616.9 | 617.5 | 618.1 | 618.4 |
| 150° | 628.0 | 628.9 | 629.7 | 630.6 | 631.5 | 632.1 | 632.7 | 633.3 | 633.9 | 634.5 | 634.9 |
| 152.5° | 643.9 | 644.7 | 645.6 | 646.4 | 647.3 | 648.1 | 648.8 | 649.5 | 650.1 | 650.8 | 651.3 |
| 155° | 667.6 | 668.0 | 668.5 | 668.9 | 669.3 | 669.8 | 670.2 | 670.6 | 671.1 | 671.5 | 672.2 |
| 157.5° | 687.9 | 688.3 | 688.5 | 688.8 | 689.1 | 689.4 | 689.7 | 689.9 | 690.2 | 690.4 | 691.4 |
| 160° | 700.3 | 700.5 | 700.8 | 701.1 | 701.4 | 701.6 | 701.7 | 701.9 | 702.0 | 702.1 | 703.0 |
| 162.5° | 711.4 | 711.5 | 711.6 | 711.6 | 711.7 | 711.8 | 712.0 | 712.1 | 712.2 | 712.4 | 713.3 |
| 165° | 726.4 | 726.3 | 726.2 | 726.0 | 725.9 | 725.8 | 725.8 | 725.8 | 725.8 | 725.8 | 726.8 |
| 167.5° | 739.0 | 738.6 | 738.1 | 737.7 | 737.3 | 737.0 | 737.0 | 736.9 | 736.9 | 736.9 | 737.9 |
| 170° | 745.6 | 745.2 | 744.8 | 744.3 | 743.9 | 743.6 | 743.5 | 743.3 | 743.2 | 743.0 | 744.1 |
| 172.5° | 750.2 | 749.8 | 749.3 | 748.9 | 748.5 | 748.2 | 748.0 | 748.0 | 747.8 | 747.6 | 748.6 |
| 175° | 755.8 | 755.4 | 755.0 | 754.6 | 754.1 | 753.8 | 753.5 | 753.2 | 752.9 | 752.6 | 753.6 |
| 177.5° | 758.1 | 757.8 | 757.4 | 757.1 | 756.7 | 756.5 | 756.2 | 756.0 | 755.8 | 755.5 | 756.2 |
| 180° | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 |



TEST NUMBER: P331832-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 | 1262.5 |
| 2.5° | 1256.5 | 1258.5 | 1260.5 | 1261.4 | 1260.9 | 1260.5 | 1260.2 | 1259.7 |
| 5° | 1246.5 | 1248.7 | 1251.0 | 1251.8 | 1251.0 | 1250.3 | 1249.5 | 1248.7 |
| 7.5° | 1226.3 | 1226.9 | 1227.6 | 1227.3 | 1226.0 | 1224.7 | 1223.3 | 1222.0 |
| 10° | 1206.1 | 1205.3 | 1204.5 | 1203.4 | 1201.9 | 1200.4 | 1198.9 | 1197.3 |
| 12.5° | 1182.9 | 1181.6 | 1180.2 | 1178.3 | 1175.7 | 1173.2 | 1170.6 | 1168.1 |
| 15° | 1139.7 | 1134.9 | 1130.1 | 1126.4 | 1123.9 | 1121.3 | 1118.8 | 1116.2 |
| 17.5° | 1090.8 | 1085.0 | 1079.3 | 1074.3 | 1069.9 | 1065.6 | 1061.2 | 1056.8 |
| 20° | 1056.7 | 1050.3 | 1044.0 | 1038.0 | 1032.4 | 1026.8 | 1021.2 | 1015.7 |
| 22.5° | 1019.3 | 1011.1 | 1002.9 | 996.7 | 992.6 | 988.3 | 984.2 | 980.1 |
| 25° | 957.2 | 946.8 | 936.3 | 929.2 | 925.4 | 921.6 | 917.8 | 914.0 |
| 27.5° | 897.9 | 885.8 | 873.7 | 864.6 | 858.6 | 852.5 | 846.4 | 840.4 |
| 30° | 856.1 | 843.2 | 830.2 | 820.3 | 813.5 | 806.6 | 799.8 | 792.9 |
| 32.5° | 814.1 | 799.3 | 784.5 | 773.9 | 767.5 | 761.0 | 754.6 | 748.1 |
| 35° | 748.3 | 732.4 | 716.4 | 705.6 | 700.0 | 694.4 | 688.8 | 683.2 |
| 37.5° | 684.3 | 666.7 | 649.1 | 637.1 | 630.7 | 624.2 | 617.9 | 611.5 |
| 40° | 641.4 | 623.5 | 605.4 | 593.1 | 586.5 | 579.9 | 573.3 | 566.7 |
| 42.5° | 598.2 | 579.5 | 560.9 | 548.4 | 542.0 | 535.6 | 529.2 | 522.8 |
| 45° | 535.2 | 517.2 | 499.1 | 487.1 | 481.0 | 474.9 | 468.8 | 462.7 |
| 47.5° | 473.9 | 456.0 | 438.1 | 426.4 | 420.9 | 415.3 | 409.7 | 404.2 |
| 50° | 434.5 | 417.0 | 399.5 | 388.1 | 382.7 | 377.4 | 372.0 | 366.7 |
| 52.5° | 397.4 | 380.5 | 363.5 | 352.7 | 347.7 | 342.8 | 337.9 | 332.9 |
| 55° | 340.9 | 325.6 | 310.4 | 300.3 | 295.5 | 290.7 | 285.9 | 281.0 |
| 57.5° | 289.5 | 275.5 | 261.6 | 252.5 | 248.5 | 244.4 | 240.3 | 236.3 |
| 60° | 254.0 | 241.1 | 228.1 | 219.6 | 215.5 | 211.5 | 207.4 | 203.4 |
| 62.5° | 223.3 | 210.9 | 198.5 | 191.1 | 188.7 | 186.3 | 183.8 | 181.4 |
| 65° | 181.5 | 172.9 | 164.3 | 159.5 | 158.8 | 158.1 | 157.3 | 156.5 |
| 67.5° | 146.5 | 142.6 | 138.6 | 136.2 | 135.4 | 134.6 | 133.8 | 133.0 |
| 70° | 127.4 | 124.9 | 122.3 | 120.6 | 119.6 | 118.6 | 117.5 | 116.5 |
| 72.5° | 110.9 | 108.7 | 106.6 | 105.3 | 104.6 | 104.0 | 103.4 | 102.8 |
| 75° | 87.8 | 86.1 | 84.3 | 83.3 | 83.0 | 82.7 | 82.5 | 82.2 |
| 77.5° | 66.6 | 65.5 | 64.5 | 63.8 | 63.4 | 62.9 | 62.6 | 62.2 |
| 80° | 52.8 | 51.8 | 50.8 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 82.5° | 40.0 | 39.3 | 38.7 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| 85° | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| 87.5° | 11.3 | 11.0 | 10.8 | 10.6 | 10.7 | 10.7 | 10.7 | 10.8 |
| 90° | 21.8 | 21.5 | 21.3 | 21.2 | 21.3 | 21.4 | 21.6 | 21.7 |
| 92.5° | 20.4 | 20.5 | 20.6 | 20.6 | 20.6 | 20.7 | 20.7 | 20.7 |
| 95° | 40.9 | 40.9 | 40.9 | 40.7 | 40.5 | 40.2 | 39.9 | 39.6 |
| 97.5° | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.6 | 68.6 |
| 100° | 88.2 | 88.2 | 88.2 | 88.1 | 88.0 | 87.8 | 87.6 | 87.6 |
| 102.5° | 109.3 | 109.4 | 109.6 | 109.6 | 109.4 | 109.3 | 109.2 | 109.0 |
| 105° | 141.1 | 141.4 | 141.7 | 141.8 | 141.8 | 141.8 | 141.8 | 141.8 |
| 107.5° | 175.4 | 175.6 | 175.6 | 175.4 | 174.7 | 174.1 | 173.4 | 172.8 |
| 110° | 198.7 | 198.7 | 198.7 | 198.5 | 198.0 | 197.6 | 197.2 | 196.8 |



TEST NUMBER: P331832-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 222.1 | 221.7 | 221.4 | 221.0 | 220.8 | 220.4 | 220.1 | 219.8 |
| 115° | 257.9 | 257.7 | 257.5 | 257.3 | 256.8 | 256.4 | 256.0 | 255.5 |
| 117.5° | 292.5 | 292.1 | 291.8 | 291.4 | 290.9 | 290.5 | 290.1 | 289.6 |
| 120° | 315.6 | 315.6 | 315.6 | 315.4 | 315.0 | 314.5 | 314.1 | 313.7 |
| 122.5° | 339.5 | 339.1 | 338.8 | 338.5 | 338.1 | 337.9 | 337.5 | 337.3 |
| 125° | 374.8 | 374.4 | 373.9 | 373.7 | 373.6 | 373.4 | 373.2 | 373.2 |
| 127.5° | 409.1 | 408.6 | 408.1 | 407.7 | 407.2 | 406.7 | 406.3 | 405.9 |
| 130° | 432.7 | 432.3 | 432.0 | 431.6 | 431.0 | 430.5 | 429.9 | 429.4 |
| 132.5° | 455.5 | 454.8 | 454.2 | 453.7 | 453.2 | 452.7 | 452.3 | 451.9 |
| 135° | 489.1 | 489.0 | 488.9 | 488.5 | 488.1 | 487.7 | 487.2 | 486.8 |
| 137.5° | 521.3 | 521.2 | 521.2 | 520.8 | 520.2 | 519.7 | 519.1 | 518.5 |
| 140° | 543.0 | 543.0 | 543.0 | 542.8 | 542.3 | 541.7 | 541.1 | 540.5 |
| 142.5° | 562.7 | 562.8 | 562.9 | 562.7 | 562.1 | 561.5 | 561.0 | 560.4 |
| 145° | 592.5 | 592.7 | 592.8 | 592.6 | 592.0 | 591.5 | 590.9 | 590.4 |
| 147.5° | 618.7 | 619.0 | 619.3 | 619.2 | 618.7 | 618.1 | 617.6 | 617.1 |
| 150° | 635.2 | 635.7 | 636.1 | 636.1 | 635.7 | 635.2 | 634.9 | 634.5 |
| 152.5° | 651.9 | 652.4 | 653.0 | 653.0 | 652.4 | 651.9 | 651.3 | 650.8 |
| 155° | 672.9 | 673.6 | 674.3 | 674.5 | 674.1 | 673.6 | 673.2 | 672.8 |
| 157.5° | 692.3 | 693.3 | 694.2 | 694.4 | 693.7 | 693.0 | 692.3 | 691.6 |
| 160° | 703.9 | 704.7 | 705.6 | 705.7 | 705.2 | 704.6 | 704.0 | 703.4 |
| 162.5° | 714.3 | 715.3 | 716.3 | 716.4 | 715.7 | 715.1 | 714.4 | 713.7 |
| 165° | 727.8 | 728.8 | 729.8 | 730.0 | 729.2 | 728.5 | 727.8 | 727.1 |
| 167.5° | 738.9 | 739.9 | 740.9 | 741.0 | 740.3 | 739.5 | 738.8 | 738.0 |
| 170° | 745.0 | 746.1 | 747.0 | 747.1 | 746.2 | 745.4 | 744.5 | 743.6 |
| 172.5° | 749.7 | 750.6 | 751.7 | 751.7 | 750.9 | 750.0 | 749.2 | 748.3 |
| 175° | 754.6 | 755.6 | 756.6 | 756.6 | 755.8 | 755.0 | 754.1 | 753.3 |
| 177.5° | 756.9 | 757.6 | 758.3 | 758.3 | 757.6 | 756.9 | 756.2 | 755.5 |
| 180° | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 | 757.1 |

(END OF REPORT)