

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: P331739-927

Luminaire Tested: **S122RDIP-S1005D330U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331739-927
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: S122RDIP-S1005D330U927-4F0-1E-UDD-F1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 330 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3687.8 lumens
Efficiency: N/A
Efficacy: 74.1 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: Semi-Direct

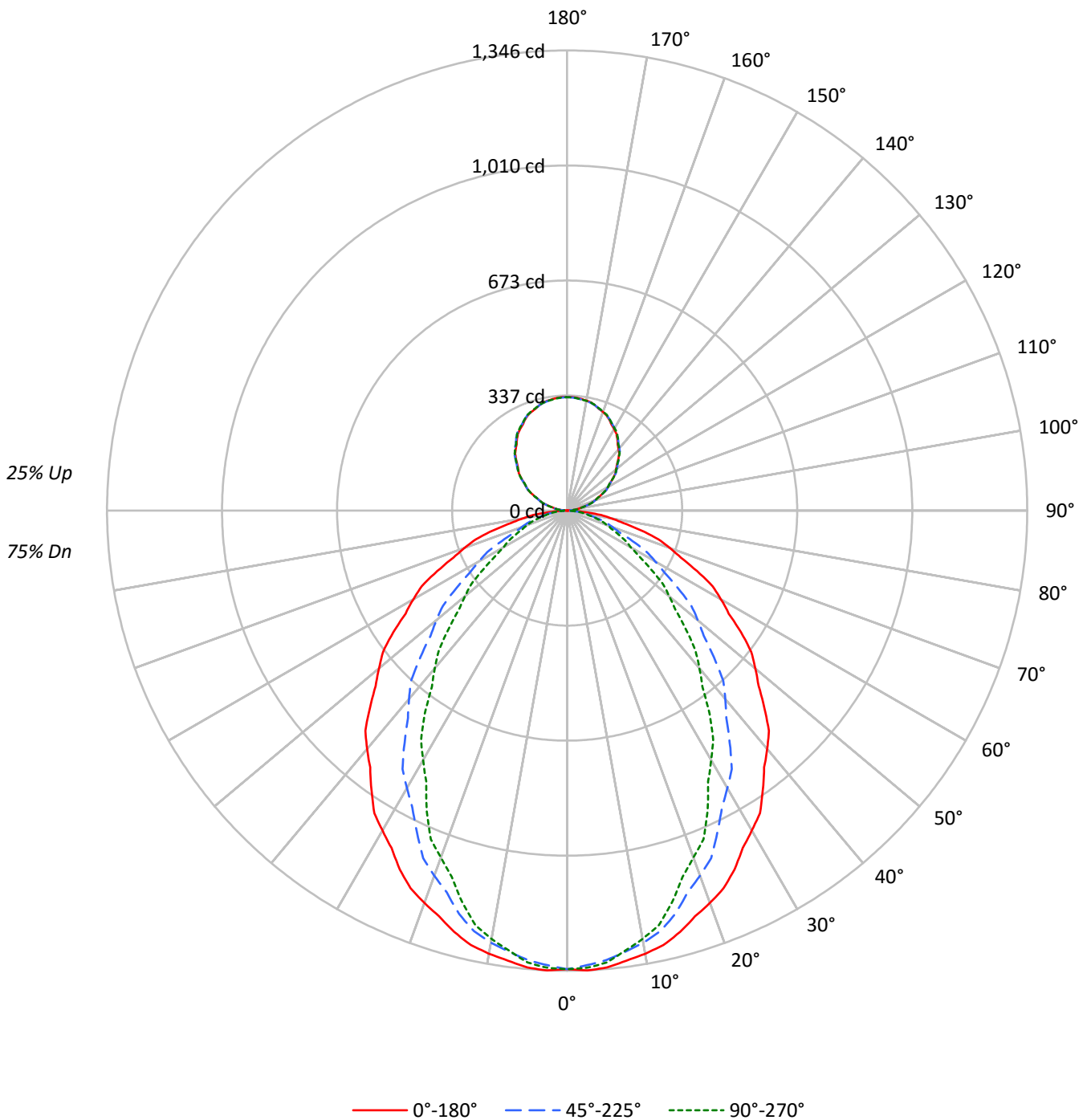
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-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 | 113 | 113 | 113 | 113 | 108 | 108 | 108 | 108 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1 | 104 | 100 | 96 | 93 | 99 | 95 | 92 | 89 | 86 | 84 | 81 | 78 | 76 | 75 | 71 | 69 | 68 | 64 |
| 2 | 95 | 88 | 82 | 77 | 91 | 84 | 79 | 74 | 77 | 72 | 69 | 70 | 66 | 63 | 63 | 61 | 58 | 55 |
| 3 | 88 | 78 | 71 | 65 | 83 | 75 | 68 | 63 | 68 | 63 | 59 | 62 | 58 | 55 | 57 | 53 | 51 | 48 |
| 4 | 81 | 70 | 62 | 56 | 76 | 67 | 60 | 54 | 61 | 55 | 51 | 56 | 51 | 47 | 51 | 47 | 44 | 41 |
| 5 | 74 | 63 | 55 | 49 | 71 | 60 | 53 | 47 | 55 | 49 | 44 | 51 | 46 | 42 | 47 | 42 | 39 | 36 |
| 6 | 69 | 57 | 49 | 43 | 65 | 54 | 47 | 42 | 50 | 44 | 39 | 46 | 41 | 37 | 43 | 38 | 35 | 32 |
| 7 | 64 | 52 | 44 | 38 | 61 | 50 | 42 | 37 | 46 | 40 | 35 | 42 | 37 | 33 | 39 | 35 | 31 | 29 |
| 8 | 60 | 47 | 39 | 34 | 57 | 45 | 38 | 33 | 42 | 36 | 32 | 39 | 34 | 30 | 36 | 32 | 28 | 26 |
| 9 | 56 | 43 | 36 | 31 | 53 | 42 | 35 | 30 | 39 | 33 | 29 | 36 | 31 | 27 | 33 | 29 | 26 | 24 |
| 10 | 52 | 40 | 33 | 28 | 50 | 39 | 32 | 27 | 36 | 30 | 26 | 34 | 28 | 25 | 31 | 27 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 21660 | 21660 | 21660 |
| 5° | 21742 | 21389 | 21507 |
| 10° | 21577 | 21040 | 20859 |
| 15° | 21329 | 20415 | 19826 |
| 20° | 20984 | 19524 | 18545 |
| 25° | 20633 | 18513 | 17302 |
| 30° | 20144 | 17473 | 15709 |
| 35° | 19669 | 16344 | 14310 |
| 40° | 19191 | 15173 | 12690 |
| 45° | 18630 | 13860 | 11227 |
| 50° | 18053 | 12534 | 9789 |
| 55° | 17464 | 11108 | 8408 |
| 60° | 16779 | 9607 | 6978 |
| 65° | 16000 | 8073 | 6357 |
| 70° | 15073 | 6652 | 5844 |
| 75° | 13936 | 6057 | 5452 |
| 80° | 12301 | 5421 | 4965 |
| 85° | 9670 | 4279 | 4279 |



TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 125.6 | 3.4 |
| 10°-20° | 344.8 | 9.3 |
| 20°-30° | 484.2 | 13.1 |
| 30°-40° | 528.0 | 14.3 |
| 40°-50° | 485.4 | 13.2 |
| 50°-60° | 381.3 | 10.3 |
| 60°-70° | 248.6 | 6.7 |
| 70°-80° | 128.2 | 3.5 |
| 80°-90° | 34.6 | 0.9 |
| 90°-100° | 21.0 | 0.6 |
| 100°-110° | 65.3 | 1.8 |
| 110°-120° | 111.6 | 3.0 |
| 120°-130° | 146.7 | 4.0 |
| 130°-140° | 164.7 | 4.5 |
| 140°-150° | 161.5 | 4.4 |
| 150°-160° | 135.4 | 3.7 |
| 160°-170° | 89.8 | 2.4 |
| 170°-180° | 31.4 | 0.9 |
| 0°-30° | 954.5 | 25.9 |
| 0°-40° | 1482.5 | 40.2 |
| 0°-60° | 2349.2 | 63.7 |
| 0°-90° | 2760.5 | 74.9 |
| 90°-120° | 197.9 | 5.4 |
| 90°-150° | 670.7 | 18.2 |
| 90°-180° | 927.0 | 25.1 |
| 0°-180° | 3687.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1342 | 1342 | 1342 | 1342 | 1342 | |
| 5° | 1342 | 1335 | 1320 | 1330 | 1327 | 127 |
| 15° | 1276 | 1261 | 1221 | 1199 | 1186 | 359 |
| 25° | 1158 | 1117 | 1039 | 991 | 971 | 532 |
| 35° | 998 | 934 | 829 | 755 | 726 | 624 |
| 45° | 816 | 732 | 607 | 524 | 492 | 630 |
| 55° | 620 | 524 | 395 | 324 | 299 | 554 |
| 65° | 419 | 320 | 211 | 172 | 166 | 415 |
| 75° | 223 | 141 | 97 | 89 | 87 | 236 |
| 85° | 52 | 28 | 23 | 23 | 23 | 62 |
| 90° | 0 | 4 | 10 | 9 | 10 | 3 |
| 95° | 15 | 17 | 18 | 18 | 17 | 17 |
| 105° | 60 | 61 | 62 | 62 | 62 | 64 |
| 115° | 112 | 114 | 113 | 113 | 112 | 111 |
| 125° | 163 | 165 | 164 | 164 | 163 | 146 |
| 135° | 211 | 214 | 214 | 214 | 213 | 163 |
| 145° | 256 | 258 | 259 | 260 | 259 | 160 |
| 155° | 292 | 293 | 294 | 295 | 295 | 135 |
| 165° | 318 | 318 | 318 | 320 | 318 | 90 |
| 175° | 331 | 330 | 330 | 331 | 330 | 31 |
| 180° | 332 | 332 | 332 | 332 | 332 | |



TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 |
| 2.5° | 1346.4 | 1345.3 | 1344.2 | 1343.1 | 1342.0 | 1340.3 | 1337.9 | 1335.6 | 1333.2 | 1330.9 | 1333.0 |
| 5° | 1341.5 | 1340.1 | 1338.8 | 1337.4 | 1336.1 | 1333.7 | 1330.2 | 1326.7 | 1323.2 | 1319.7 | 1322.1 |
| 7.5° | 1327.7 | 1326.0 | 1324.4 | 1322.6 | 1321.0 | 1318.1 | 1314.0 | 1309.9 | 1305.8 | 1301.7 | 1302.4 |
| 10° | 1316.1 | 1314.2 | 1312.2 | 1310.3 | 1308.4 | 1304.8 | 1299.4 | 1294.0 | 1288.6 | 1283.3 | 1282.5 |
| 12.5° | 1301.5 | 1299.1 | 1296.8 | 1294.5 | 1292.2 | 1287.5 | 1280.6 | 1273.7 | 1266.9 | 1260.0 | 1258.5 |
| 15° | 1276.0 | 1273.0 | 1270.0 | 1267.0 | 1264.1 | 1258.0 | 1248.9 | 1239.7 | 1230.5 | 1221.3 | 1216.2 |
| 17.5° | 1244.6 | 1240.1 | 1235.6 | 1231.1 | 1226.5 | 1218.4 | 1206.6 | 1194.8 | 1183.0 | 1171.3 | 1165.2 |
| 20° | 1221.3 | 1215.9 | 1210.5 | 1205.1 | 1199.8 | 1190.3 | 1176.8 | 1163.3 | 1149.9 | 1136.3 | 1129.6 |
| 22.5° | 1196.0 | 1190.0 | 1184.0 | 1178.0 | 1171.9 | 1161.3 | 1146.1 | 1130.8 | 1115.6 | 1100.4 | 1091.7 |
| 25° | 1158.2 | 1149.5 | 1140.9 | 1132.3 | 1123.6 | 1110.5 | 1092.7 | 1074.8 | 1057.0 | 1039.2 | 1028.2 |
| 27.5° | 1112.5 | 1103.2 | 1093.8 | 1084.4 | 1075.0 | 1060.3 | 1040.2 | 1020.1 | 1000.1 | 980.0 | 967.1 |
| 30° | 1080.5 | 1070.2 | 1060.0 | 1049.7 | 1039.5 | 1023.6 | 1002.0 | 980.4 | 958.9 | 937.2 | 923.4 |
| 32.5° | 1049.4 | 1037.4 | 1025.5 | 1013.5 | 1001.5 | 984.5 | 962.5 | 940.5 | 918.5 | 896.4 | 880.7 |
| 35° | 997.9 | 984.2 | 970.4 | 956.6 | 942.9 | 924.2 | 900.4 | 876.7 | 852.9 | 829.2 | 812.2 |
| 37.5° | 946.5 | 931.4 | 916.2 | 901.1 | 886.1 | 865.9 | 840.5 | 815.2 | 789.9 | 764.6 | 745.9 |
| 40° | 910.5 | 894.4 | 878.1 | 862.0 | 845.8 | 824.6 | 798.4 | 772.3 | 746.1 | 719.9 | 700.8 |
| 42.5° | 873.6 | 856.6 | 839.6 | 822.4 | 805.4 | 783.4 | 756.4 | 729.3 | 702.3 | 675.3 | 655.5 |
| 45° | 815.9 | 797.7 | 779.7 | 761.6 | 743.5 | 720.3 | 692.0 | 663.7 | 635.3 | 607.0 | 587.9 |
| 47.5° | 759.5 | 740.4 | 721.2 | 702.0 | 682.9 | 658.7 | 629.5 | 600.2 | 570.9 | 541.7 | 522.7 |
| 50° | 718.7 | 699.6 | 680.4 | 661.2 | 642.1 | 617.7 | 588.0 | 558.3 | 528.6 | 499.0 | 480.4 |
| 52.5° | 678.9 | 658.9 | 638.9 | 618.9 | 598.8 | 574.3 | 545.3 | 516.3 | 487.2 | 458.2 | 440.2 |
| 55° | 620.4 | 599.4 | 578.3 | 557.2 | 536.2 | 511.1 | 482.0 | 452.8 | 423.7 | 394.6 | 378.3 |
| 57.5° | 560.4 | 538.8 | 517.2 | 495.7 | 474.0 | 449.2 | 421.3 | 393.2 | 365.3 | 337.2 | 322.4 |
| 60° | 519.6 | 498.0 | 476.4 | 454.9 | 433.2 | 408.6 | 380.8 | 353.0 | 325.2 | 297.5 | 283.7 |
| 62.5° | 479.8 | 458.2 | 436.7 | 415.0 | 393.5 | 369.4 | 342.9 | 316.4 | 289.9 | 263.5 | 250.3 |
| 65° | 418.8 | 397.0 | 375.2 | 353.3 | 331.4 | 308.4 | 284.1 | 259.8 | 235.5 | 211.3 | 202.1 |
| 67.5° | 360.0 | 338.4 | 316.7 | 295.0 | 273.3 | 251.5 | 229.7 | 207.9 | 186.0 | 164.1 | 159.9 |
| 70° | 319.3 | 298.3 | 277.2 | 256.2 | 235.1 | 215.3 | 196.7 | 178.1 | 159.5 | 140.9 | 138.2 |
| 72.5° | 280.4 | 260.2 | 240.1 | 219.9 | 199.7 | 182.1 | 167.2 | 152.3 | 137.3 | 122.4 | 120.1 |
| 75° | 223.4 | 204.5 | 185.6 | 166.8 | 147.8 | 133.8 | 124.6 | 115.5 | 106.3 | 97.1 | 95.2 |
| 77.5° | 167.3 | 150.8 | 134.2 | 117.6 | 101.0 | 90.5 | 86.1 | 81.7 | 77.2 | 72.9 | 71.8 |
| 80° | 132.3 | 118.6 | 104.8 | 91.0 | 77.3 | 69.1 | 66.4 | 63.7 | 61.0 | 58.3 | 57.2 |
| 82.5° | 100.3 | 89.5 | 78.8 | 68.0 | 57.4 | 51.0 | 49.2 | 47.4 | 45.6 | 43.7 | 43.1 |
| 85° | 52.2 | 46.5 | 40.9 | 35.2 | 29.5 | 26.3 | 25.5 | 24.7 | 23.8 | 23.1 | 23.1 |
| 87.5° | 15.6 | 14.0 | 12.4 | 10.9 | 9.3 | 8.6 | 8.9 | 9.2 | 9.4 | 9.7 | 9.5 |
| 90° | 0.3 | 1.0 | 1.7 | 2.5 | 3.2 | 4.4 | 5.7 | 7.1 | 8.4 | 9.8 | 9.7 |
| 92.5° | 5.0 | 5.5 | 6.1 | 6.7 | 7.2 | 7.6 | 7.9 | 8.2 | 8.6 | 8.9 | 9.0 |
| 95° | 14.6 | 15.2 | 15.8 | 16.4 | 17.0 | 17.4 | 17.5 | 17.7 | 17.8 | 17.9 | 17.9 |
| 97.5° | 26.6 | 27.2 | 27.6 | 28.2 | 28.8 | 29.2 | 29.4 | 29.6 | 29.9 | 30.1 | 30.1 |
| 100° | 35.6 | 36.0 | 36.5 | 37.1 | 37.5 | 37.9 | 38.0 | 38.3 | 38.4 | 38.7 | 38.7 |
| 102.5° | 44.9 | 45.3 | 45.7 | 46.1 | 46.5 | 46.9 | 47.1 | 47.3 | 47.5 | 47.8 | 47.8 |
| 105° | 60.2 | 60.4 | 60.5 | 60.8 | 60.9 | 61.1 | 61.2 | 61.3 | 61.5 | 61.6 | 61.7 |
| 107.5° | 75.5 | 75.8 | 76.0 | 76.4 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 110° | 85.4 | 85.7 | 86.1 | 86.5 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |



TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 96.1 | 96.5 | 96.9 | 97.2 | 97.6 | 97.8 | 97.7 | 97.7 | 97.6 | 97.6 | 97.4 |
| 115° | 111.9 | 112.3 | 112.7 | 113.0 | 113.4 | 113.6 | 113.4 | 113.3 | 113.2 | 113.0 | 113.0 |
| 117.5° | 127.7 | 128.3 | 128.7 | 129.2 | 129.8 | 129.8 | 129.4 | 129.1 | 128.7 | 128.4 | 128.3 |
| 120° | 138.2 | 138.8 | 139.3 | 139.7 | 140.2 | 140.2 | 139.7 | 139.3 | 138.8 | 138.2 | 138.2 |
| 122.5° | 147.9 | 148.5 | 149.1 | 149.6 | 150.3 | 150.4 | 150.0 | 149.7 | 149.3 | 149.0 | 148.9 |
| 125° | 162.9 | 163.4 | 164.0 | 164.5 | 165.1 | 165.3 | 165.1 | 164.9 | 164.8 | 164.5 | 164.4 |
| 127.5° | 177.5 | 178.2 | 179.0 | 179.6 | 180.3 | 180.5 | 180.4 | 180.1 | 179.9 | 179.7 | 179.4 |
| 130° | 186.7 | 187.5 | 188.3 | 189.1 | 189.9 | 190.3 | 190.1 | 190.0 | 189.9 | 189.7 | 189.6 |
| 132.5° | 197.0 | 197.6 | 198.3 | 198.9 | 199.6 | 199.9 | 199.9 | 200.0 | 200.0 | 200.0 | 199.8 |
| 135° | 210.7 | 211.4 | 212.1 | 212.8 | 213.5 | 213.9 | 214.0 | 214.1 | 214.3 | 214.4 | 214.3 |
| 137.5° | 225.2 | 225.8 | 226.3 | 227.0 | 227.5 | 227.8 | 228.0 | 228.1 | 228.3 | 228.5 | 228.5 |
| 140° | 234.0 | 234.6 | 235.1 | 235.7 | 236.2 | 236.6 | 236.9 | 237.3 | 237.6 | 237.9 | 237.9 |
| 142.5° | 243.0 | 243.5 | 244.1 | 244.6 | 245.2 | 245.6 | 245.7 | 246.0 | 246.2 | 246.4 | 246.4 |
| 145° | 255.8 | 256.3 | 256.7 | 257.1 | 257.5 | 257.9 | 258.3 | 258.7 | 259.0 | 259.4 | 259.5 |
| 147.5° | 267.3 | 267.8 | 268.3 | 268.9 | 269.3 | 269.7 | 270.0 | 270.3 | 270.5 | 270.8 | 270.9 |
| 150° | 275.1 | 275.5 | 275.8 | 276.2 | 276.6 | 276.9 | 277.2 | 277.4 | 277.7 | 277.9 | 278.1 |
| 152.5° | 282.1 | 282.4 | 282.8 | 283.2 | 283.5 | 283.9 | 284.2 | 284.5 | 284.8 | 285.1 | 285.3 |
| 155° | 292.5 | 292.6 | 292.9 | 293.0 | 293.2 | 293.4 | 293.6 | 293.7 | 294.0 | 294.1 | 294.5 |
| 157.5° | 301.3 | 301.5 | 301.6 | 301.7 | 301.9 | 302.0 | 302.1 | 302.2 | 302.3 | 302.5 | 302.9 |
| 160° | 306.7 | 306.9 | 307.0 | 307.1 | 307.2 | 307.4 | 307.4 | 307.4 | 307.5 | 307.6 | 307.9 |
| 162.5° | 311.6 | 311.7 | 311.7 | 311.7 | 311.8 | 311.8 | 311.9 | 312.0 | 312.0 | 312.0 | 312.5 |
| 165° | 318.2 | 318.1 | 318.1 | 318.1 | 318.0 | 317.9 | 317.9 | 317.9 | 317.9 | 317.9 | 318.4 |
| 167.5° | 323.7 | 323.5 | 323.4 | 323.1 | 323.0 | 322.9 | 322.8 | 322.8 | 322.8 | 322.8 | 323.2 |
| 170° | 326.6 | 326.5 | 326.2 | 326.1 | 325.9 | 325.7 | 325.7 | 325.6 | 325.6 | 325.5 | 325.9 |
| 172.5° | 328.6 | 328.4 | 328.3 | 328.0 | 327.9 | 327.7 | 327.7 | 327.6 | 327.6 | 327.5 | 328.0 |
| 175° | 331.1 | 330.9 | 330.7 | 330.5 | 330.3 | 330.2 | 330.1 | 329.9 | 329.8 | 329.7 | 330.1 |
| 177.5° | 332.1 | 331.9 | 331.8 | 331.7 | 331.5 | 331.4 | 331.3 | 331.2 | 331.1 | 331.0 | 331.3 |
| 180° | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 |



TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 | 1341.5 |
| 2.5° | 1335.1 | 1337.3 | 1339.5 | 1340.3 | 1339.9 | 1339.5 | 1339.0 | 1338.6 |
| 5° | 1324.5 | 1327.0 | 1329.4 | 1330.2 | 1329.4 | 1328.6 | 1327.8 | 1327.0 |
| 7.5° | 1303.1 | 1303.8 | 1304.5 | 1304.2 | 1302.7 | 1301.3 | 1300.0 | 1298.5 |
| 10° | 1281.6 | 1280.8 | 1280.0 | 1278.8 | 1277.2 | 1275.6 | 1273.9 | 1272.3 |
| 12.5° | 1257.0 | 1255.5 | 1254.1 | 1252.0 | 1249.4 | 1246.7 | 1244.0 | 1241.3 |
| 15° | 1211.1 | 1205.9 | 1200.8 | 1196.9 | 1194.2 | 1191.5 | 1188.8 | 1186.1 |
| 17.5° | 1159.1 | 1153.0 | 1146.9 | 1141.5 | 1136.9 | 1132.3 | 1127.6 | 1123.0 |
| 20° | 1122.8 | 1116.1 | 1109.4 | 1103.0 | 1097.1 | 1091.2 | 1085.2 | 1079.3 |
| 22.5° | 1083.1 | 1074.4 | 1065.6 | 1059.1 | 1054.7 | 1050.3 | 1045.8 | 1041.4 |
| 25° | 1017.1 | 1006.1 | 995.0 | 987.5 | 983.3 | 979.3 | 975.3 | 971.2 |
| 27.5° | 954.2 | 941.3 | 928.4 | 918.7 | 912.3 | 905.9 | 899.4 | 893.0 |
| 30° | 909.7 | 896.0 | 882.2 | 871.7 | 864.4 | 857.1 | 849.9 | 842.6 |
| 32.5° | 865.1 | 849.4 | 833.6 | 822.4 | 815.6 | 808.7 | 801.8 | 795.0 |
| 35° | 795.2 | 778.2 | 761.2 | 749.7 | 743.8 | 737.8 | 731.9 | 726.0 |
| 37.5° | 727.1 | 708.4 | 689.7 | 676.9 | 670.2 | 663.4 | 656.6 | 649.7 |
| 40° | 681.6 | 662.4 | 643.3 | 630.3 | 623.2 | 616.2 | 609.2 | 602.1 |
| 42.5° | 635.6 | 615.8 | 596.0 | 582.7 | 575.9 | 569.1 | 562.4 | 555.6 |
| 45° | 568.7 | 549.5 | 530.4 | 517.6 | 511.1 | 504.6 | 498.1 | 491.7 |
| 47.5° | 503.6 | 484.6 | 465.5 | 453.0 | 447.2 | 441.3 | 435.4 | 429.5 |
| 50° | 461.8 | 443.1 | 424.5 | 412.3 | 406.7 | 401.0 | 395.4 | 389.7 |
| 52.5° | 422.2 | 404.3 | 386.3 | 374.7 | 369.5 | 364.2 | 359.0 | 353.8 |
| 55° | 362.2 | 346.0 | 329.8 | 319.2 | 314.0 | 308.9 | 303.8 | 298.7 |
| 57.5° | 307.6 | 292.7 | 277.9 | 268.3 | 264.0 | 259.7 | 255.4 | 251.0 |
| 60° | 269.9 | 256.2 | 242.4 | 233.4 | 229.0 | 224.7 | 220.4 | 216.1 |
| 62.5° | 237.3 | 224.1 | 211.0 | 203.1 | 200.6 | 198.0 | 195.4 | 192.8 |
| 65° | 192.9 | 183.7 | 174.5 | 169.5 | 168.7 | 167.9 | 167.2 | 166.4 |
| 67.5° | 155.7 | 151.5 | 147.3 | 144.7 | 143.9 | 143.1 | 142.2 | 141.3 |
| 70° | 135.5 | 132.8 | 130.1 | 128.2 | 127.1 | 126.0 | 124.9 | 123.8 |
| 72.5° | 117.9 | 115.6 | 113.3 | 111.9 | 111.2 | 110.6 | 109.9 | 109.2 |
| 75° | 93.3 | 91.5 | 89.6 | 88.5 | 88.2 | 87.9 | 87.7 | 87.4 |
| 77.5° | 70.7 | 69.6 | 68.5 | 67.7 | 67.3 | 66.9 | 66.5 | 66.1 |
| 80° | 56.1 | 55.1 | 53.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 82.5° | 42.4 | 41.7 | 41.1 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| 85° | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 | 23.1 |
| 87.5° | 9.3 | 9.0 | 8.8 | 8.6 | 8.6 | 8.7 | 8.7 | 8.7 |
| 90° | 9.6 | 9.4 | 9.3 | 9.3 | 9.3 | 9.4 | 9.4 | 9.5 |
| 92.5° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 95° | 17.9 | 17.9 | 17.9 | 17.8 | 17.7 | 17.6 | 17.5 | 17.3 |
| 97.5° | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.0 |
| 100° | 38.7 | 38.7 | 38.7 | 38.6 | 38.5 | 38.5 | 38.4 | 38.3 |
| 102.5° | 47.9 | 47.9 | 48.0 | 48.0 | 47.9 | 47.8 | 47.8 | 47.8 |
| 105° | 61.8 | 61.9 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 107.5° | 76.8 | 76.9 | 76.9 | 76.8 | 76.5 | 76.3 | 76.0 | 75.7 |
| 110° | 87.1 | 87.1 | 87.1 | 87.0 | 86.7 | 86.6 | 86.4 | 86.2 |



TEST NUMBER: P331739-927

CATALOG NUMBER: S122RDIP-S1005D330U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 97.3 | 97.1 | 97.0 | 96.8 | 96.7 | 96.6 | 96.4 | 96.3 |
| 115° | 113.0 | 112.9 | 112.8 | 112.7 | 112.5 | 112.3 | 112.2 | 111.9 |
| 117.5° | 128.1 | 127.9 | 127.8 | 127.6 | 127.5 | 127.3 | 127.1 | 126.9 |
| 120° | 138.2 | 138.2 | 138.2 | 138.2 | 138.0 | 137.8 | 137.6 | 137.4 |
| 122.5° | 148.7 | 148.5 | 148.4 | 148.3 | 148.1 | 148.0 | 147.8 | 147.7 |
| 125° | 164.2 | 164.0 | 163.8 | 163.7 | 163.7 | 163.6 | 163.5 | 163.4 |
| 127.5° | 179.3 | 179.0 | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.8 |
| 130° | 189.5 | 189.4 | 189.3 | 189.1 | 188.9 | 188.5 | 188.3 | 188.1 |
| 132.5° | 199.5 | 199.2 | 199.0 | 198.8 | 198.5 | 198.4 | 198.1 | 198.0 |
| 135° | 214.3 | 214.2 | 214.1 | 214.0 | 213.8 | 213.7 | 213.5 | 213.3 |
| 137.5° | 228.4 | 228.3 | 228.3 | 228.1 | 227.9 | 227.7 | 227.4 | 227.1 |
| 140° | 237.9 | 237.9 | 237.9 | 237.7 | 237.5 | 237.3 | 237.0 | 236.8 |
| 142.5° | 246.5 | 246.5 | 246.6 | 246.5 | 246.3 | 246.0 | 245.7 | 245.5 |
| 145° | 259.6 | 259.6 | 259.7 | 259.6 | 259.4 | 259.1 | 258.9 | 258.6 |
| 147.5° | 271.0 | 271.2 | 271.3 | 271.2 | 271.0 | 270.8 | 270.5 | 270.3 |
| 150° | 278.3 | 278.5 | 278.7 | 278.7 | 278.5 | 278.3 | 278.1 | 277.9 |
| 152.5° | 285.6 | 285.8 | 286.1 | 286.1 | 285.8 | 285.6 | 285.3 | 285.1 |
| 155° | 294.8 | 295.1 | 295.4 | 295.5 | 295.2 | 295.1 | 294.9 | 294.7 |
| 157.5° | 303.2 | 303.7 | 304.1 | 304.2 | 303.9 | 303.6 | 303.3 | 303.0 |
| 160° | 308.3 | 308.7 | 309.1 | 309.1 | 308.9 | 308.6 | 308.4 | 308.2 |
| 162.5° | 312.9 | 313.3 | 313.8 | 313.8 | 313.5 | 313.2 | 312.9 | 312.6 |
| 165° | 318.8 | 319.2 | 319.6 | 319.7 | 319.4 | 319.1 | 318.8 | 318.5 |
| 167.5° | 323.7 | 324.1 | 324.6 | 324.6 | 324.3 | 323.9 | 323.6 | 323.3 |
| 170° | 326.4 | 326.8 | 327.3 | 327.3 | 326.9 | 326.5 | 326.1 | 325.7 |
| 172.5° | 328.4 | 328.8 | 329.2 | 329.3 | 328.9 | 328.5 | 328.2 | 327.8 |
| 175° | 330.6 | 331.0 | 331.4 | 331.4 | 331.1 | 330.7 | 330.3 | 329.9 |
| 177.5° | 331.6 | 331.8 | 332.2 | 332.2 | 331.8 | 331.6 | 331.3 | 331.0 |
| 180° | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 | 331.7 |

(END OF REPORT)