

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: P332358-930

Luminaire Tested: **S123RDIP-S1000D1195U930-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332358-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1195 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6435.6 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.06 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

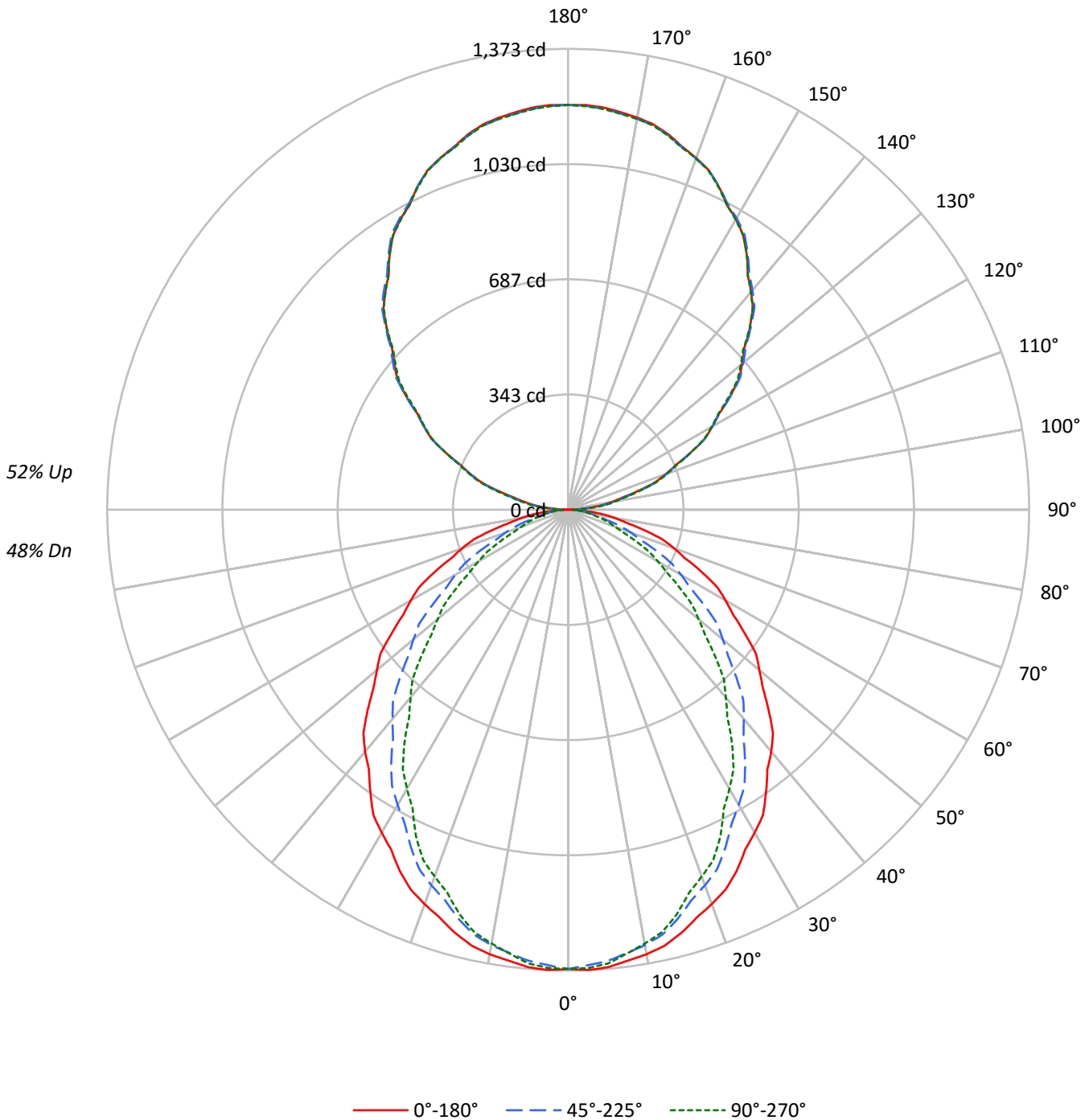
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 68 | 68 | 68 | 54 | 54 | 54 | 48 | | | | | | | | | | | | | | | | | | | | |
| 1 | 98 | 93 | 90 | 86 | 90 | 86 | 83 | 80 | 73 | 70 | 68 | 60 | 58 | 57 | 49 | 47 | 47 | 41 | | | | | | | | | | | | | | | | | | | | |
| 2 | 89 | 82 | 76 | 71 | 82 | 76 | 71 | 66 | 64 | 60 | 57 | 53 | 50 | 48 | 43 | 41 | 40 | 35 | | | | | | | | | | | | | | | | | | | | |
| 3 | 82 | 72 | 65 | 59 | 75 | 67 | 61 | 56 | 57 | 52 | 48 | 47 | 44 | 41 | 38 | 36 | 34 | 30 | | | | | | | | | | | | | | | | | | | | |
| 4 | 75 | 64 | 56 | 51 | 69 | 59 | 53 | 47 | 51 | 45 | 41 | 42 | 38 | 35 | 35 | 32 | 30 | 26 | | | | | | | | | | | | | | | | | | | | |
| 5 | 69 | 57 | 49 | 43 | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 31 | 28 | 26 | 23 | | | | | | | | | | | | | | | | | | | | |
| 6 | 63 | 51 | 44 | 38 | 58 | 48 | 41 | 36 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 | 20 | | | | | | | | | | | | | | | | | | | | |
| 7 | 59 | 47 | 39 | 33 | 54 | 43 | 36 | 31 | 37 | 32 | 28 | 31 | 27 | 24 | 26 | 23 | 21 | 18 | | | | | | | | | | | | | | | | | | | | |
| 8 | 54 | 42 | 35 | 29 | 50 | 39 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 18 | 16 | | | | | | | | | | | | | | | | | | | | |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 29 | 25 | 31 | 26 | 22 | 27 | 22 | 19 | 22 | 19 | 17 | 15 | | | | | | | | | | | | | | | | | | | | |
| 10 | 47 | 35 | 28 | 24 | 44 | 33 | 27 | 22 | 29 | 24 | 20 | 25 | 20 | 18 | 21 | 17 | 15 | 13 | | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 14727 | 14727 | 14727 |
| 5° | 14783 | 14579 | 14664 |
| 10° | 14700 | 14397 | 14348 |
| 15° | 14542 | 14060 | 13912 |
| 20° | 14325 | 13639 | 13321 |
| 25° | 14101 | 13166 | 12744 |
| 30° | 13806 | 12621 | 11931 |
| 35° | 13502 | 12073 | 11184 |
| 40° | 13222 | 11428 | 10260 |
| 45° | 12855 | 10794 | 9426 |
| 50° | 12450 | 10071 | 8492 |
| 55° | 12037 | 9246 | 7621 |
| 60° | 11657 | 8361 | 6665 |
| 65° | 11163 | 7404 | 5708 |
| 70° | 10546 | 6216 | 4611 |
| 75° | 9649 | 4891 | 4338 |
| 80° | 8598 | 4333 | 3986 |
| 85° | 7262 | 3841 | 3569 |



TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.5 | 2.0 |
| 10°-20° | 357.5 | 5.6 |
| 20°-30° | 514.7 | 8.0 |
| 30°-40° | 579.8 | 9.0 |
| 40°-50° | 554.7 | 8.6 |
| 50°-60° | 454.2 | 7.1 |
| 60°-70° | 306.5 | 4.8 |
| 70°-80° | 154.2 | 2.4 |
| 80°-90° | 44.4 | 0.7 |
| 90°-100° | 78.6 | 1.2 |
| 100°-110° | 235.1 | 3.7 |
| 110°-120° | 399.9 | 6.2 |
| 120°-130° | 526.0 | 8.2 |
| 130°-140° | 591.2 | 9.2 |
| 140°-150° | 581.2 | 9.0 |
| 150°-160° | 489.3 | 7.6 |
| 160°-170° | 325.7 | 5.1 |
| 170°-180° | 114.0 | 1.8 |
| 0°-30° | 1000.7 | 15.5 |
| 0°-40° | 1580.5 | 24.6 |
| 0°-60° | 2589.5 | 40.2 |
| 0°-90° | 3094.5 | 48.1 |
| 90°-120° | 713.6 | 11.1 |
| 90°-150° | 2412.1 | 37.5 |
| 90°-180° | 3341.0 | 51.9 |
| 0°-180° | 6435.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1368 | 1368 | 1368 | 1368 | 1368 | |
| 5° | 1368 | 1362 | 1349 | 1359 | 1357 | 130 |
| 15° | 1305 | 1292 | 1262 | 1256 | 1248 | 367 |
| 25° | 1187 | 1158 | 1109 | 1086 | 1073 | 546 |
| 35° | 1028 | 986 | 919 | 873 | 851 | 643 |
| 45° | 844 | 793 | 709 | 648 | 619 | 651 |
| 55° | 641 | 585 | 493 | 431 | 406 | 575 |
| 65° | 438 | 376 | 291 | 239 | 224 | 434 |
| 75° | 232 | 178 | 118 | 107 | 104 | 247 |
| 85° | 59 | 36 | 31 | 29 | 29 | 66 |
| 90° | 1 | 11 | 23 | 26 | 28 | 6 |
| 95° | 56 | 63 | 70 | 74 | 74 | 63 |
| 105° | 213 | 215 | 224 | 224 | 225 | 228 |
| 115° | 403 | 405 | 404 | 404 | 404 | 398 |
| 125° | 589 | 592 | 590 | 586 | 583 | 525 |
| 135° | 764 | 770 | 769 | 766 | 764 | 589 |
| 145° | 927 | 929 | 932 | 931 | 927 | 579 |
| 155° | 1062 | 1062 | 1063 | 1066 | 1060 | 489 |
| 165° | 1157 | 1154 | 1154 | 1159 | 1153 | 326 |
| 175° | 1203 | 1199 | 1199 | 1204 | 1198 | 114 |
| 180° | 1206 | 1206 | 1206 | 1206 | 1206 | |



TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 |
| 2.5° | 1372.6 | 1371.8 | 1371.1 | 1370.3 | 1369.5 | 1367.9 | 1365.5 | 1363.2 | 1360.8 | 1358.5 | 1360.6 |
| 5° | 1368.2 | 1366.9 | 1365.7 | 1364.5 | 1363.3 | 1361.1 | 1358.2 | 1355.3 | 1352.3 | 1349.3 | 1351.5 |
| 7.5° | 1355.5 | 1354.2 | 1352.9 | 1351.5 | 1350.2 | 1347.6 | 1343.8 | 1339.9 | 1336.1 | 1332.3 | 1333.5 |
| 10° | 1344.9 | 1343.2 | 1341.4 | 1339.7 | 1338.0 | 1334.9 | 1330.5 | 1326.0 | 1321.6 | 1317.2 | 1317.4 |
| 12.5° | 1329.8 | 1327.9 | 1326.0 | 1324.0 | 1322.1 | 1318.4 | 1313.0 | 1307.6 | 1302.2 | 1296.7 | 1296.6 |
| 15° | 1305.0 | 1302.3 | 1299.5 | 1296.8 | 1294.1 | 1289.3 | 1282.4 | 1275.5 | 1268.6 | 1261.7 | 1260.5 |
| 17.5° | 1273.7 | 1270.5 | 1267.4 | 1264.2 | 1261.0 | 1255.1 | 1246.3 | 1237.5 | 1228.7 | 1219.9 | 1217.3 |
| 20° | 1250.6 | 1246.7 | 1242.7 | 1238.8 | 1234.8 | 1228.2 | 1218.8 | 1209.4 | 1200.0 | 1190.7 | 1187.5 |
| 22.5° | 1224.8 | 1220.3 | 1215.8 | 1211.2 | 1206.7 | 1199.5 | 1189.4 | 1179.5 | 1169.5 | 1159.6 | 1155.6 |
| 25° | 1187.3 | 1181.2 | 1175.0 | 1168.8 | 1162.7 | 1153.9 | 1142.6 | 1131.2 | 1119.9 | 1108.6 | 1103.3 |
| 27.5° | 1141.8 | 1135.1 | 1128.2 | 1121.4 | 1114.6 | 1104.9 | 1092.3 | 1079.6 | 1067.0 | 1054.4 | 1047.2 |
| 30° | 1110.8 | 1103.3 | 1096.0 | 1088.6 | 1081.2 | 1070.6 | 1056.8 | 1042.9 | 1029.2 | 1015.4 | 1007.0 |
| 32.5° | 1079.7 | 1071.3 | 1062.9 | 1054.5 | 1046.2 | 1034.7 | 1020.1 | 1005.5 | 990.8 | 976.2 | 967.1 |
| 35° | 1027.5 | 1018.6 | 1009.7 | 1000.9 | 992.1 | 979.9 | 964.7 | 949.3 | 934.1 | 918.8 | 908.2 |
| 37.5° | 974.7 | 964.8 | 955.0 | 945.1 | 935.2 | 922.2 | 905.9 | 889.5 | 873.2 | 856.9 | 844.8 |
| 40° | 941.0 | 930.2 | 919.2 | 908.4 | 897.6 | 883.4 | 865.9 | 848.4 | 830.9 | 813.3 | 800.5 |
| 42.5° | 902.8 | 891.9 | 881.1 | 870.3 | 859.4 | 845.0 | 826.9 | 808.8 | 790.7 | 772.6 | 758.6 |
| 45° | 844.5 | 833.3 | 822.2 | 811.1 | 800.1 | 785.1 | 766.1 | 747.1 | 728.1 | 709.1 | 695.0 |
| 47.5° | 786.1 | 773.9 | 761.7 | 749.5 | 737.4 | 721.8 | 702.8 | 683.8 | 664.8 | 645.8 | 630.6 |
| 50° | 743.5 | 731.9 | 720.3 | 708.7 | 697.1 | 681.3 | 661.4 | 641.4 | 621.4 | 601.4 | 586.1 |
| 52.5° | 705.3 | 692.8 | 680.1 | 667.6 | 655.0 | 638.8 | 619.1 | 599.2 | 579.5 | 559.7 | 543.8 |
| 55° | 641.4 | 629.3 | 617.2 | 605.1 | 593.0 | 576.5 | 555.5 | 534.6 | 513.6 | 492.7 | 478.4 |
| 57.5° | 582.4 | 569.2 | 556.0 | 542.8 | 529.7 | 512.6 | 491.5 | 470.4 | 449.4 | 428.4 | 414.8 |
| 60° | 541.5 | 528.0 | 514.4 | 500.8 | 487.2 | 470.3 | 449.8 | 429.3 | 408.9 | 388.4 | 375.0 |
| 62.5° | 500.7 | 487.1 | 473.5 | 460.0 | 446.5 | 429.4 | 409.0 | 388.5 | 368.0 | 347.6 | 335.0 |
| 65° | 438.3 | 424.8 | 411.2 | 397.6 | 384.1 | 367.7 | 348.5 | 329.2 | 310.0 | 290.7 | 278.7 |
| 67.5° | 375.9 | 362.2 | 348.5 | 334.8 | 321.1 | 305.0 | 286.6 | 268.2 | 249.7 | 231.2 | 222.3 |
| 70° | 335.1 | 321.8 | 308.5 | 295.1 | 281.8 | 266.6 | 249.3 | 232.0 | 214.7 | 197.5 | 188.9 |
| 72.5° | 294.2 | 281.2 | 268.1 | 254.9 | 241.8 | 227.4 | 211.7 | 196.1 | 180.3 | 164.7 | 157.6 |
| 75° | 232.0 | 220.0 | 208.2 | 196.4 | 184.6 | 171.9 | 158.3 | 144.7 | 131.2 | 117.6 | 115.1 |
| 77.5° | 175.1 | 164.4 | 153.7 | 143.0 | 132.3 | 122.5 | 113.8 | 105.1 | 96.4 | 87.6 | 86.3 |
| 80° | 138.7 | 128.6 | 118.5 | 108.4 | 98.2 | 90.7 | 85.4 | 80.2 | 75.1 | 69.9 | 69.1 |
| 82.5° | 104.1 | 95.4 | 86.7 | 77.9 | 69.1 | 63.6 | 61.1 | 58.8 | 56.3 | 53.9 | 53.2 |
| 85° | 58.8 | 53.4 | 47.9 | 42.6 | 37.1 | 34.0 | 33.3 | 32.5 | 31.8 | 31.1 | 30.6 |
| 87.5° | 21.5 | 19.7 | 18.0 | 16.2 | 14.5 | 13.9 | 14.4 | 15.0 | 15.6 | 16.1 | 16.1 |
| 90° | 1.0 | 3.0 | 5.1 | 7.3 | 9.4 | 11.8 | 14.5 | 17.3 | 20.0 | 22.7 | 23.6 |
| 92.5° | 22.9 | 24.4 | 25.8 | 27.2 | 28.6 | 30.2 | 31.7 | 33.3 | 34.8 | 36.4 | 37.0 |
| 95° | 55.9 | 57.4 | 58.9 | 60.3 | 61.8 | 63.3 | 65.1 | 66.7 | 68.4 | 70.1 | 70.9 |
| 97.5° | 99.3 | 100.4 | 101.5 | 102.6 | 103.6 | 104.8 | 106.1 | 107.3 | 108.4 | 109.7 | 110.6 |
| 100° | 128.8 | 130.1 | 131.3 | 132.6 | 133.9 | 135.0 | 136.1 | 137.1 | 138.2 | 139.3 | 139.9 |
| 102.5° | 162.9 | 163.7 | 164.4 | 165.2 | 166.0 | 167.1 | 168.4 | 169.8 | 171.2 | 172.6 | 173.3 |
| 105° | 213.1 | 213.5 | 214.0 | 214.4 | 214.8 | 216.0 | 217.8 | 219.8 | 221.7 | 223.6 | 223.6 |
| 107.5° | 271.5 | 271.7 | 272.0 | 272.2 | 272.5 | 273.0 | 273.8 | 274.5 | 275.2 | 276.1 | 276.7 |
| 110° | 307.9 | 308.3 | 308.7 | 309.2 | 309.6 | 310.0 | 310.4 | 310.8 | 311.2 | 311.7 | 312.5 |



TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 345.8 | 346.0 | 346.3 | 346.5 | 346.7 | 346.9 | 347.0 | 347.1 | 347.2 | 347.2 | 348.3 |
| 115° | 402.6 | 403.2 | 403.8 | 404.5 | 405.1 | 405.2 | 404.8 | 404.4 | 404.0 | 403.6 | 403.7 |
| 117.5° | 459.8 | 460.2 | 460.6 | 461.1 | 461.5 | 461.5 | 460.9 | 460.3 | 459.8 | 459.3 | 459.2 |
| 120° | 495.5 | 496.7 | 498.0 | 499.2 | 500.5 | 500.6 | 499.5 | 498.5 | 497.4 | 496.4 | 496.2 |
| 122.5° | 532.6 | 533.5 | 534.4 | 535.3 | 536.3 | 536.5 | 535.9 | 535.3 | 534.8 | 534.3 | 533.7 |
| 125° | 589.2 | 589.9 | 590.4 | 591.1 | 591.7 | 591.8 | 591.4 | 591.0 | 590.6 | 590.2 | 589.3 |
| 127.5° | 641.5 | 642.9 | 644.2 | 645.6 | 646.9 | 647.3 | 646.9 | 646.4 | 646.0 | 645.5 | 644.3 |
| 130° | 676.4 | 678.0 | 679.7 | 681.4 | 683.1 | 683.6 | 683.0 | 682.3 | 681.8 | 681.1 | 680.3 |
| 132.5° | 711.2 | 712.9 | 714.6 | 716.2 | 718.0 | 718.6 | 718.1 | 717.6 | 717.1 | 716.7 | 715.7 |
| 135° | 764.4 | 765.7 | 767.0 | 768.3 | 769.5 | 770.1 | 769.8 | 769.6 | 769.4 | 769.2 | 768.3 |
| 137.5° | 813.8 | 814.7 | 815.8 | 816.8 | 817.9 | 818.7 | 819.3 | 819.8 | 820.4 | 820.9 | 820.0 |
| 140° | 847.8 | 848.9 | 849.9 | 851.0 | 852.0 | 852.6 | 852.9 | 853.0 | 853.3 | 853.5 | 853.3 |
| 142.5° | 878.9 | 880.0 | 881.0 | 882.1 | 883.1 | 883.8 | 884.2 | 884.6 | 884.9 | 885.3 | 885.1 |
| 145° | 927.4 | 927.8 | 928.2 | 928.6 | 929.0 | 929.6 | 930.3 | 930.8 | 931.5 | 932.1 | 931.9 |
| 147.5° | 969.8 | 970.6 | 971.3 | 972.1 | 972.9 | 973.5 | 974.1 | 974.7 | 975.3 | 975.9 | 975.9 |
| 150° | 999.4 | 999.8 | 1000.2 | 1000.6 | 1001.1 | 1001.5 | 1001.9 | 1002.3 | 1002.7 | 1003.1 | 1003.1 |
| 152.5° | 1023.6 | 1024.3 | 1024.8 | 1025.4 | 1026.0 | 1026.4 | 1026.6 | 1027.0 | 1027.2 | 1027.4 | 1027.8 |
| 155° | 1061.9 | 1061.9 | 1061.9 | 1061.9 | 1061.9 | 1062.0 | 1062.3 | 1062.4 | 1062.7 | 1062.8 | 1063.7 |
| 157.5° | 1094.5 | 1094.2 | 1094.0 | 1093.7 | 1093.5 | 1093.4 | 1093.6 | 1093.8 | 1094.0 | 1094.1 | 1095.0 |
| 160° | 1114.9 | 1114.5 | 1114.1 | 1113.7 | 1113.3 | 1113.0 | 1113.0 | 1113.0 | 1113.0 | 1113.0 | 1114.1 |
| 162.5° | 1133.1 | 1132.5 | 1132.0 | 1131.4 | 1130.8 | 1130.6 | 1130.7 | 1130.9 | 1131.1 | 1131.2 | 1132.3 |
| 165° | 1156.7 | 1156.0 | 1155.4 | 1154.7 | 1154.1 | 1153.8 | 1153.8 | 1153.8 | 1153.8 | 1153.8 | 1155.0 |
| 167.5° | 1175.4 | 1174.5 | 1173.7 | 1172.9 | 1172.0 | 1171.7 | 1171.8 | 1172.0 | 1172.2 | 1172.3 | 1173.6 |
| 170° | 1186.0 | 1185.1 | 1184.3 | 1183.5 | 1182.6 | 1182.2 | 1182.2 | 1182.2 | 1182.2 | 1182.2 | 1183.7 |
| 172.5° | 1194.3 | 1193.5 | 1192.6 | 1191.8 | 1191.0 | 1190.6 | 1190.6 | 1190.6 | 1190.6 | 1190.6 | 1191.9 |
| 175° | 1203.1 | 1202.2 | 1201.3 | 1200.5 | 1199.7 | 1199.2 | 1199.2 | 1199.2 | 1199.2 | 1199.2 | 1200.5 |
| 177.5° | 1206.6 | 1206.0 | 1205.3 | 1204.6 | 1204.0 | 1203.6 | 1203.6 | 1203.6 | 1203.6 | 1203.6 | 1204.6 |
| 180° | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 |



TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 | 1368.2 |
| 2.5° | 1362.8 | 1365.0 | 1367.1 | 1368.0 | 1367.6 | 1367.3 | 1366.8 | 1366.4 |
| 5° | 1353.8 | 1356.0 | 1358.2 | 1359.1 | 1358.6 | 1358.1 | 1357.6 | 1357.1 |
| 7.5° | 1334.7 | 1335.9 | 1337.2 | 1337.4 | 1336.5 | 1335.7 | 1334.9 | 1334.0 |
| 10° | 1317.7 | 1317.9 | 1318.2 | 1317.7 | 1316.4 | 1315.2 | 1313.9 | 1312.7 |
| 12.5° | 1296.4 | 1296.3 | 1296.2 | 1295.3 | 1294.0 | 1292.5 | 1291.1 | 1289.6 |
| 15° | 1259.2 | 1258.0 | 1256.8 | 1255.2 | 1253.5 | 1251.8 | 1250.1 | 1248.4 |
| 17.5° | 1214.7 | 1212.1 | 1209.5 | 1206.9 | 1204.4 | 1201.8 | 1199.2 | 1196.6 |
| 20° | 1184.2 | 1181.0 | 1177.9 | 1174.8 | 1171.8 | 1168.8 | 1165.9 | 1162.9 |
| 22.5° | 1151.6 | 1147.6 | 1143.6 | 1140.2 | 1137.5 | 1134.7 | 1132.0 | 1129.2 |
| 25° | 1098.2 | 1093.0 | 1087.9 | 1083.9 | 1081.2 | 1078.5 | 1075.8 | 1073.0 |
| 27.5° | 1040.0 | 1032.8 | 1025.6 | 1019.9 | 1015.8 | 1011.6 | 1007.5 | 1003.4 |
| 30° | 998.6 | 990.2 | 981.8 | 975.7 | 971.7 | 967.8 | 963.8 | 959.9 |
| 32.5° | 957.9 | 948.8 | 939.6 | 932.9 | 928.8 | 924.6 | 920.5 | 916.3 |
| 35° | 897.6 | 887.0 | 876.4 | 868.9 | 864.5 | 860.0 | 855.6 | 851.1 |
| 37.5° | 832.8 | 820.8 | 808.8 | 800.0 | 794.5 | 789.0 | 783.6 | 778.1 |
| 40° | 787.7 | 774.9 | 762.1 | 752.8 | 747.1 | 741.5 | 735.8 | 730.2 |
| 42.5° | 744.5 | 730.5 | 716.5 | 706.9 | 701.9 | 696.8 | 691.7 | 686.6 |
| 45° | 680.9 | 666.9 | 652.8 | 642.9 | 636.9 | 631.0 | 625.1 | 619.2 |
| 47.5° | 615.2 | 600.0 | 584.7 | 574.4 | 569.1 | 563.9 | 558.6 | 553.3 |
| 50° | 570.9 | 555.5 | 540.3 | 529.8 | 524.2 | 518.4 | 512.8 | 507.1 |
| 52.5° | 528.0 | 512.1 | 496.2 | 485.7 | 480.6 | 475.6 | 470.5 | 465.4 |
| 55° | 464.1 | 449.8 | 435.5 | 425.8 | 420.9 | 416.0 | 411.1 | 406.1 |
| 57.5° | 401.3 | 387.8 | 374.3 | 365.4 | 361.3 | 357.0 | 352.9 | 348.6 |
| 60° | 361.7 | 348.5 | 335.1 | 326.4 | 322.2 | 318.0 | 313.8 | 309.6 |
| 62.5° | 322.5 | 310.0 | 297.4 | 288.9 | 284.6 | 280.2 | 275.8 | 271.4 |
| 65° | 266.6 | 254.5 | 242.4 | 235.0 | 232.3 | 229.6 | 226.9 | 224.1 |
| 67.5° | 213.2 | 204.2 | 195.2 | 189.1 | 186.3 | 183.4 | 180.4 | 177.6 |
| 70° | 180.3 | 171.6 | 163.0 | 157.4 | 154.6 | 151.9 | 149.2 | 146.5 |
| 72.5° | 150.6 | 143.5 | 136.5 | 132.4 | 131.3 | 130.1 | 129.0 | 127.8 |
| 75° | 112.7 | 110.2 | 107.8 | 106.3 | 105.8 | 105.3 | 104.8 | 104.3 |
| 77.5° | 85.0 | 83.6 | 82.3 | 81.4 | 81.0 | 80.5 | 80.0 | 79.5 |
| 80° | 68.4 | 67.7 | 66.9 | 66.4 | 65.9 | 65.4 | 64.8 | 64.3 |
| 82.5° | 52.4 | 51.7 | 51.0 | 50.5 | 50.5 | 50.4 | 50.2 | 50.1 |
| 85° | 30.1 | 29.6 | 29.1 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| 87.5° | 16.1 | 16.0 | 16.0 | 15.9 | 15.8 | 15.7 | 15.6 | 15.4 |
| 90° | 24.5 | 25.3 | 26.1 | 26.7 | 27.1 | 27.6 | 28.0 | 28.5 |
| 92.5° | 37.7 | 38.4 | 39.1 | 39.3 | 39.1 | 38.8 | 38.5 | 38.2 |
| 95° | 71.7 | 72.6 | 73.5 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 97.5° | 111.6 | 112.6 | 113.6 | 114.0 | 113.9 | 113.8 | 113.7 | 113.7 |
| 100° | 140.5 | 141.1 | 141.8 | 142.3 | 142.8 | 143.2 | 143.6 | 144.0 |
| 102.5° | 173.8 | 174.5 | 175.1 | 175.4 | 175.3 | 175.2 | 175.1 | 175.0 |
| 105° | 223.6 | 223.6 | 223.6 | 223.8 | 224.2 | 224.6 | 225.0 | 225.4 |
| 107.5° | 277.4 | 278.1 | 278.8 | 278.9 | 278.7 | 278.4 | 278.2 | 277.9 |
| 110° | 313.3 | 314.2 | 315.0 | 315.2 | 314.8 | 314.4 | 314.0 | 313.6 |



TEST NUMBER: P332358-930

CATALOG NUMBER: S123RDIP-S1000D1195U930-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 349.3 | 350.3 | 351.3 | 351.8 | 351.7 | 351.6 | 351.6 | 351.5 |
| 115° | 404.0 | 404.1 | 404.4 | 404.4 | 404.1 | 404.0 | 403.7 | 403.6 |
| 117.5° | 459.2 | 459.1 | 459.1 | 458.8 | 458.2 | 457.5 | 457.0 | 456.4 |
| 120° | 495.9 | 495.8 | 495.5 | 495.2 | 494.8 | 494.4 | 494.0 | 493.5 |
| 122.5° | 533.2 | 532.6 | 532.1 | 531.5 | 530.9 | 530.4 | 529.7 | 529.1 |
| 125° | 588.5 | 587.7 | 586.8 | 586.0 | 585.1 | 584.2 | 583.4 | 582.6 |
| 127.5° | 643.1 | 642.0 | 640.7 | 639.7 | 638.7 | 637.7 | 636.7 | 635.9 |
| 130° | 679.4 | 678.6 | 677.8 | 676.5 | 675.1 | 673.6 | 672.1 | 670.7 |
| 132.5° | 714.7 | 713.7 | 712.7 | 711.6 | 710.5 | 709.3 | 708.2 | 707.0 |
| 135° | 767.5 | 766.6 | 765.8 | 765.2 | 764.8 | 764.3 | 763.9 | 763.5 |
| 137.5° | 819.1 | 818.2 | 817.3 | 816.5 | 815.7 | 815.0 | 814.2 | 813.3 |
| 140° | 853.0 | 852.9 | 852.6 | 851.8 | 850.4 | 848.9 | 847.4 | 846.0 |
| 142.5° | 884.9 | 884.7 | 884.5 | 883.8 | 882.6 | 881.5 | 880.4 | 879.3 |
| 145° | 931.7 | 931.5 | 931.3 | 930.7 | 929.9 | 929.0 | 928.2 | 927.4 |
| 147.5° | 975.9 | 975.9 | 975.9 | 975.3 | 974.0 | 972.7 | 971.4 | 970.2 |
| 150° | 1003.1 | 1003.1 | 1003.1 | 1002.6 | 1001.3 | 1000.0 | 998.7 | 997.5 |
| 152.5° | 1028.1 | 1028.4 | 1028.7 | 1028.4 | 1027.3 | 1026.2 | 1025.1 | 1024.0 |
| 155° | 1064.5 | 1065.4 | 1066.2 | 1065.9 | 1064.5 | 1063.0 | 1061.5 | 1060.0 |
| 157.5° | 1095.8 | 1096.7 | 1097.6 | 1097.5 | 1096.3 | 1095.1 | 1094.0 | 1092.7 |
| 160° | 1115.2 | 1116.2 | 1117.3 | 1117.4 | 1116.6 | 1115.7 | 1114.8 | 1114.0 |
| 162.5° | 1133.3 | 1134.4 | 1135.5 | 1135.3 | 1133.9 | 1132.6 | 1131.2 | 1129.9 |
| 165° | 1156.3 | 1157.6 | 1158.9 | 1158.7 | 1157.2 | 1155.8 | 1154.3 | 1152.8 |
| 167.5° | 1174.9 | 1176.2 | 1177.5 | 1177.5 | 1176.2 | 1174.9 | 1173.6 | 1172.3 |
| 170° | 1185.1 | 1186.7 | 1188.1 | 1188.1 | 1186.7 | 1185.1 | 1183.7 | 1182.2 |
| 172.5° | 1193.2 | 1194.5 | 1195.8 | 1195.7 | 1194.2 | 1192.7 | 1191.2 | 1189.8 |
| 175° | 1201.8 | 1203.1 | 1204.3 | 1204.2 | 1202.7 | 1201.3 | 1199.8 | 1198.3 |
| 177.5° | 1205.7 | 1206.6 | 1207.6 | 1207.5 | 1206.4 | 1205.2 | 1204.0 | 1202.9 |
| 180° | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 | 1205.9 |

(END OF REPORT)