

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: P332035-930

Luminaire Tested: **S123DIP-S1000D1025U930-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332035-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D1025U930-4F0-1E-UDD-F4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1025 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6385.8 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: General Diffuse

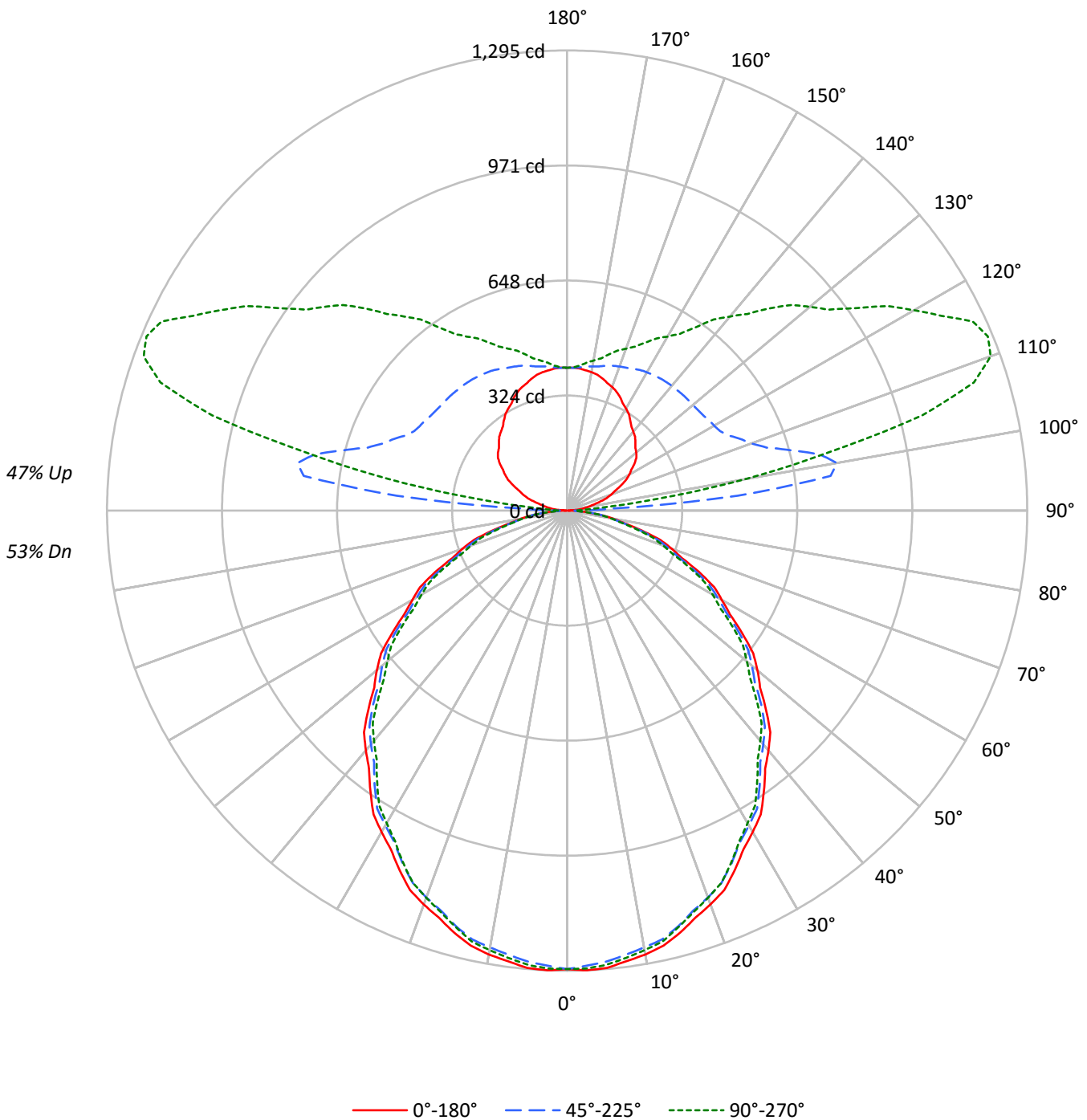
Input Watts (W): 60.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 | | | | |
| 1 | 98 | 94 | 90 | 86 | 91 | 87 | 84 | 81 | 74 | 72 | 70 | 62 | 61 | 59 | 52 | 50 | 49 | 44 | | | | |
| 2 | 89 | 82 | 76 | 71 | 83 | 76 | 71 | 66 | 65 | 61 | 58 | 55 | 52 | 49 | 45 | 43 | 41 | 37 | | | | |
| 3 | 82 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | 48 | 45 | 42 | 40 | 38 | 35 | 31 | | | | |
| 4 | 75 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 45 | 41 | 43 | 39 | 36 | 36 | 33 | 30 | 27 | | | | |
| 5 | 69 | 57 | 49 | 43 | 63 | 53 | 46 | 40 | 46 | 40 | 35 | 39 | 34 | 31 | 32 | 29 | 26 | 23 | | | | |
| 6 | 63 | 51 | 43 | 37 | 58 | 48 | 40 | 35 | 41 | 35 | 31 | 35 | 31 | 27 | 29 | 26 | 23 | 20 | | | | |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | 32 | 27 | 24 | 27 | 23 | 21 | 18 | | | | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | 29 | 25 | 21 | 25 | 21 | 19 | 16 | | | | |
| 9 | 50 | 38 | 31 | 26 | 47 | 36 | 29 | 24 | 31 | 26 | 22 | 27 | 22 | 19 | 23 | 19 | 17 | 15 | | | | |
| 10 | 47 | 35 | 28 | 23 | 44 | 33 | 26 | 22 | 29 | 23 | 20 | 25 | 20 | 17 | 21 | 18 | 15 | 13 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13891 | 13891 | 13891 |
| 5° | 13956 | 13765 | 13861 |
| 10° | 13864 | 13645 | 13729 |
| 15° | 13701 | 13490 | 13515 |
| 20° | 13512 | 13270 | 13283 |
| 25° | 13258 | 13007 | 12981 |
| 30° | 12978 | 12716 | 12619 |
| 35° | 12686 | 12408 | 12248 |
| 40° | 12381 | 12067 | 11880 |
| 45° | 12044 | 11756 | 11469 |
| 50° | 11707 | 11372 | 11055 |
| 55° | 11265 | 10975 | 10640 |
| 60° | 10820 | 10512 | 10176 |
| 65° | 10427 | 10004 | 9694 |
| 70° | 9847 | 9429 | 9010 |
| 75° | 9000 | 8675 | 8305 |
| 80° | 8114 | 7773 | 7705 |
| 85° | 7126 | 6854 | 6570 |



TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 121.6 | 1.9 |
| 10°-20° | 343.3 | 5.4 |
| 20°-30° | 507.0 | 7.9 |
| 30°-40° | 592.3 | 9.3 |
| 40°-50° | 595.5 | 9.3 |
| 50°-60° | 523.1 | 8.2 |
| 60°-70° | 389.7 | 6.1 |
| 70°-80° | 222.0 | 3.5 |
| 80°-90° | 66.8 | 1.0 |
| 90°-100° | 223.7 | 3.5 |
| 100°-110° | 633.5 | 9.9 |
| 110°-120° | 623.2 | 9.8 |
| 120°-130° | 497.1 | 7.8 |
| 130°-140° | 391.9 | 6.1 |
| 140°-150° | 292.5 | 4.6 |
| 150°-160° | 203.9 | 3.2 |
| 160°-170° | 119.8 | 1.9 |
| 170°-180° | 39.0 | 0.6 |
| 0°-30° | 971.9 | 15.2 |
| 0°-40° | 1564.1 | 24.5 |
| 0°-60° | 2682.6 | 42.0 |
| 0°-90° | 3361.2 | 52.6 |
| 90°-120° | 1480.5 | 23.2 |
| 90°-150° | 2662.0 | 41.7 |
| 90°-180° | 3025.0 | 47.4 |
| 0°-180° | 6385.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1290 | 1290 | 1290 | 1290 | 1290 | |
| 5° | 1292 | 1286 | 1274 | 1284 | 1283 | 122 |
| 15° | 1230 | 1224 | 1211 | 1219 | 1213 | 346 |
| 25° | 1116 | 1109 | 1095 | 1096 | 1093 | 514 |
| 35° | 965 | 958 | 944 | 938 | 932 | 604 |
| 45° | 791 | 786 | 772 | 759 | 753 | 611 |
| 55° | 600 | 598 | 585 | 573 | 567 | 538 |
| 65° | 409 | 404 | 393 | 384 | 381 | 404 |
| 75° | 216 | 212 | 209 | 203 | 200 | 231 |
| 85° | 58 | 56 | 56 | 53 | 53 | 63 |
| 90° | 2 | 10 | 20 | 23 | 24 | 5 |
| 95° | 28 | 90 | 483 | 141 | 94 | 30 |
| 105° | 94 | 140 | 654 | 1144 | 1035 | 100 |
| 115° | 167 | 208 | 500 | 1097 | 1259 | 165 |
| 125° | 232 | 274 | 467 | 846 | 993 | 206 |
| 135° | 272 | 324 | 461 | 697 | 805 | 210 |
| 145° | 310 | 355 | 455 | 572 | 629 | 194 |
| 155° | 352 | 380 | 440 | 500 | 522 | 162 |
| 165° | 385 | 396 | 422 | 447 | 455 | 108 |
| 175° | 401 | 402 | 404 | 410 | 409 | 38 |
| 180° | 402 | 402 | 402 | 402 | 402 | |



TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5° | 1294.9 | 1294.2 | 1293.4 | 1292.6 | 1291.8 | 1290.3 | 1288.2 | 1286.0 | 1283.9 | 1281.7 | 1283.6 |
| 5° | 1291.6 | 1290.4 | 1289.2 | 1287.9 | 1286.7 | 1284.7 | 1282.1 | 1279.3 | 1276.6 | 1273.9 | 1276.4 |
| 7.5° | 1279.0 | 1277.7 | 1276.5 | 1275.3 | 1274.1 | 1272.0 | 1269.3 | 1266.4 | 1263.6 | 1260.8 | 1263.0 |
| 10° | 1268.4 | 1267.1 | 1265.8 | 1264.6 | 1263.4 | 1261.2 | 1258.0 | 1254.7 | 1251.6 | 1248.4 | 1250.6 |
| 12.5° | 1254.1 | 1253.1 | 1252.1 | 1251.0 | 1250.0 | 1248.0 | 1245.0 | 1241.9 | 1238.9 | 1235.9 | 1237.5 |
| 15° | 1229.5 | 1228.5 | 1227.5 | 1226.5 | 1225.6 | 1223.4 | 1220.3 | 1217.1 | 1213.8 | 1210.6 | 1212.6 |
| 17.5° | 1200.9 | 1199.5 | 1198.3 | 1197.0 | 1195.7 | 1193.5 | 1190.3 | 1187.1 | 1183.9 | 1180.6 | 1182.0 |
| 20° | 1179.6 | 1178.1 | 1176.6 | 1175.1 | 1173.6 | 1171.3 | 1168.1 | 1164.9 | 1161.7 | 1158.5 | 1159.4 |
| 22.5° | 1155.6 | 1154.1 | 1152.7 | 1151.1 | 1149.7 | 1147.4 | 1144.1 | 1140.9 | 1137.8 | 1134.5 | 1135.3 |
| 25° | 1116.3 | 1114.8 | 1113.4 | 1111.9 | 1110.4 | 1108.1 | 1104.8 | 1101.6 | 1098.5 | 1095.2 | 1095.4 |
| 27.5° | 1074.4 | 1072.9 | 1071.5 | 1070.1 | 1068.6 | 1066.2 | 1062.7 | 1059.3 | 1055.8 | 1052.4 | 1052.6 |
| 30° | 1044.2 | 1042.9 | 1041.7 | 1040.5 | 1039.3 | 1036.9 | 1033.5 | 1030.0 | 1026.5 | 1023.1 | 1023.1 |
| 32.5° | 1014.0 | 1012.4 | 1010.7 | 1009.1 | 1007.5 | 1005.3 | 1002.7 | 1000.0 | 997.4 | 994.7 | 993.3 |
| 35° | 965.4 | 963.9 | 962.5 | 961.0 | 959.4 | 957.2 | 953.9 | 950.7 | 947.5 | 944.3 | 942.8 |
| 37.5° | 915.7 | 913.8 | 911.9 | 910.0 | 908.2 | 905.6 | 902.4 | 899.1 | 895.9 | 892.6 | 890.8 |
| 40° | 881.1 | 879.5 | 878.1 | 876.6 | 875.1 | 872.7 | 869.2 | 865.8 | 862.3 | 858.8 | 856.9 |
| 42.5° | 846.4 | 844.7 | 843.1 | 841.4 | 839.8 | 837.1 | 833.7 | 830.3 | 826.8 | 823.4 | 821.4 |
| 45° | 791.2 | 790.2 | 789.2 | 788.2 | 787.3 | 785.1 | 782.0 | 778.7 | 775.5 | 772.3 | 769.4 |
| 47.5° | 736.4 | 734.9 | 733.5 | 732.1 | 730.7 | 728.4 | 725.5 | 722.4 | 719.4 | 716.4 | 713.5 |
| 50° | 699.1 | 697.8 | 696.6 | 695.4 | 694.1 | 691.9 | 688.7 | 685.5 | 682.3 | 679.1 | 676.4 |
| 52.5° | 660.0 | 659.2 | 658.4 | 657.5 | 656.6 | 654.5 | 651.2 | 647.8 | 644.3 | 640.9 | 638.6 |
| 55° | 600.3 | 600.1 | 599.8 | 599.6 | 599.3 | 597.6 | 594.4 | 591.2 | 588.0 | 584.8 | 582.0 |
| 57.5° | 543.5 | 542.7 | 541.8 | 541.0 | 540.1 | 538.4 | 535.9 | 533.3 | 530.8 | 528.2 | 525.8 |
| 60° | 502.6 | 502.4 | 502.1 | 501.9 | 501.7 | 500.1 | 497.1 | 494.2 | 491.2 | 488.3 | 486.0 |
| 62.5° | 466.3 | 465.6 | 465.0 | 464.3 | 463.7 | 461.9 | 458.9 | 456.0 | 453.1 | 450.0 | 447.8 |
| 65° | 409.4 | 408.2 | 407.0 | 405.8 | 404.6 | 402.7 | 400.2 | 397.8 | 395.3 | 392.8 | 390.9 |
| 67.5° | 349.4 | 348.2 | 347.2 | 346.1 | 345.0 | 343.5 | 341.6 | 339.7 | 337.9 | 336.0 | 334.3 |
| 70° | 312.9 | 311.4 | 310.0 | 308.5 | 307.0 | 305.5 | 304.0 | 302.6 | 301.1 | 299.6 | 297.9 |
| 72.5° | 274.8 | 273.7 | 272.6 | 271.5 | 270.4 | 269.0 | 267.3 | 265.7 | 264.0 | 262.3 | 260.8 |
| 75° | 216.4 | 215.4 | 214.4 | 213.4 | 212.5 | 211.6 | 210.8 | 210.1 | 209.4 | 208.6 | 207.4 |
| 77.5° | 164.7 | 164.1 | 163.5 | 163.1 | 162.5 | 161.8 | 160.9 | 160.0 | 159.1 | 158.2 | 157.4 |
| 80° | 130.9 | 130.2 | 129.5 | 128.7 | 128.0 | 127.3 | 126.9 | 126.4 | 125.9 | 125.4 | 125.1 |
| 82.5° | 98.1 | 97.9 | 97.8 | 97.7 | 97.5 | 97.3 | 97.3 | 97.2 | 97.1 | 97.0 | 96.5 |
| 85° | 57.7 | 57.2 | 56.7 | 56.3 | 55.8 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.0 |
| 87.5° | 23.4 | 23.2 | 22.9 | 22.7 | 22.5 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 | 23.2 |
| 90° | 1.6 | 3.3 | 4.9 | 7.3 | 9.0 | 10.6 | 13.0 | 15.5 | 17.9 | 20.4 | 19.6 |
| 92.5° | 10.1 | 15.0 | 21.9 | 28.1 | 35.0 | 47.0 | 68.3 | 103.4 | 137.7 | 125.1 | 94.4 |
| 95° | 27.6 | 30.1 | 39.1 | 52.9 | 74.0 | 105.8 | 175.0 | 296.2 | 429.7 | 482.6 | 391.4 |
| 97.5° | 47.2 | 48.0 | 55.0 | 67.0 | 87.9 | 122.2 | 188.3 | 325.1 | 547.6 | 747.9 | 800.1 |
| 100° | 60.3 | 61.1 | 66.8 | 78.1 | 97.7 | 129.4 | 186.4 | 306.8 | 520.8 | 770.7 | 931.0 |
| 102.5° | 73.9 | 75.3 | 80.4 | 91.2 | 108.8 | 137.9 | 189.0 | 291.1 | 481.8 | 728.4 | 937.5 |
| 105° | 94.4 | 96.9 | 101.7 | 111.5 | 126.9 | 152.2 | 196.2 | 280.0 | 433.7 | 654.3 | 887.9 |
| 107.5° | 116.2 | 118.6 | 123.4 | 133.0 | 147.5 | 170.9 | 209.5 | 279.2 | 403.2 | 588.9 | 801.0 |
| 110° | 131.8 | 134.3 | 138.4 | 147.3 | 161.1 | 183.9 | 220.5 | 282.4 | 391.4 | 551.8 | 746.2 |



TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 146.2 | 148.6 | 152.7 | 161.6 | 175.5 | 197.6 | 231.6 | 288.9 | 384.9 | 527.0 | 698.7 |
| 115° | 166.8 | 170.1 | 175.0 | 183.1 | 197.0 | 218.9 | 249.8 | 299.5 | 382.5 | 500.5 | 641.3 |
| 117.5° | 187.5 | 191.3 | 195.3 | 202.8 | 218.3 | 238.6 | 269.2 | 313.5 | 383.9 | 484.9 | 606.6 |
| 120° | 201.8 | 204.2 | 208.3 | 216.5 | 232.0 | 252.3 | 281.6 | 323.9 | 386.5 | 477.7 | 588.4 |
| 122.5° | 214.2 | 216.6 | 220.7 | 229.5 | 244.3 | 266.0 | 294.6 | 333.7 | 391.1 | 473.1 | 573.4 |
| 125° | 232.0 | 233.6 | 238.5 | 247.4 | 262.9 | 284.9 | 313.3 | 349.1 | 397.9 | 467.2 | 554.2 |
| 127.5° | 245.5 | 247.9 | 253.9 | 263.0 | 280.1 | 302.1 | 329.6 | 361.8 | 405.8 | 464.2 | 537.3 |
| 130° | 253.9 | 256.3 | 263.7 | 273.5 | 290.5 | 312.5 | 339.3 | 370.3 | 411.0 | 462.3 | 528.2 |
| 132.5° | 260.4 | 263.5 | 271.5 | 283.2 | 300.3 | 321.6 | 347.8 | 378.1 | 414.9 | 461.6 | 519.7 |
| 135° | 271.8 | 275.1 | 284.1 | 296.2 | 313.3 | 335.3 | 360.5 | 388.2 | 420.8 | 460.6 | 508.7 |
| 137.5° | 282.6 | 286.0 | 294.7 | 307.8 | 324.7 | 345.0 | 369.3 | 395.7 | 424.6 | 458.9 | 499.0 |
| 140° | 289.8 | 293.8 | 301.9 | 315.0 | 331.3 | 351.6 | 375.2 | 399.6 | 427.2 | 458.2 | 493.2 |
| 142.5° | 297.5 | 300.9 | 309.7 | 321.5 | 337.7 | 356.8 | 379.8 | 403.5 | 429.2 | 456.9 | 488.0 |
| 145° | 310.1 | 312.5 | 319.8 | 332.1 | 345.8 | 364.6 | 385.7 | 407.7 | 430.5 | 454.9 | 480.9 |
| 147.5° | 322.8 | 324.2 | 331.4 | 341.9 | 355.3 | 371.3 | 390.6 | 410.3 | 430.5 | 451.8 | 474.1 |
| 150° | 331.3 | 332.1 | 338.5 | 349.1 | 360.5 | 375.2 | 393.9 | 411.0 | 430.5 | 449.2 | 469.5 |
| 152.5° | 339.7 | 339.8 | 346.3 | 355.6 | 365.7 | 379.8 | 395.8 | 412.3 | 428.5 | 446.0 | 464.4 |
| 155° | 352.4 | 352.4 | 357.3 | 365.4 | 374.4 | 385.7 | 399.6 | 412.6 | 426.4 | 440.3 | 456.6 |
| 157.5° | 362.5 | 363.1 | 367.0 | 374.2 | 381.8 | 390.6 | 401.7 | 413.4 | 423.7 | 435.2 | 447.8 |
| 160° | 370.3 | 370.3 | 373.6 | 380.0 | 385.7 | 393.9 | 403.7 | 413.4 | 422.4 | 431.3 | 441.9 |
| 162.5° | 376.2 | 376.2 | 378.8 | 383.9 | 389.0 | 395.8 | 404.3 | 412.8 | 419.8 | 427.4 | 436.0 |
| 165° | 384.9 | 384.1 | 385.7 | 389.8 | 393.1 | 398.8 | 405.3 | 411.0 | 415.9 | 421.6 | 428.0 |
| 167.5° | 391.6 | 390.6 | 391.4 | 394.5 | 396.8 | 400.4 | 405.1 | 409.7 | 412.0 | 415.7 | 420.4 |
| 170° | 395.5 | 393.9 | 394.7 | 397.1 | 398.8 | 400.4 | 404.5 | 407.7 | 409.4 | 411.8 | 415.9 |
| 172.5° | 398.1 | 397.1 | 397.3 | 399.1 | 400.1 | 401.0 | 404.5 | 407.1 | 407.4 | 408.5 | 411.3 |
| 175° | 401.2 | 400.4 | 399.6 | 401.2 | 401.2 | 402.0 | 403.7 | 405.3 | 404.5 | 404.5 | 406.1 |
| 177.5° | 402.7 | 402.0 | 401.4 | 402.0 | 402.0 | 402.0 | 402.7 | 404.0 | 402.7 | 402.0 | 402.7 |
| 180° | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 |



TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 | 1290.5 |
| 2.5° | 1285.6 | 1287.6 | 1289.6 | 1290.5 | 1290.2 | 1290.0 | 1289.8 | 1289.6 |
| 5° | 1278.8 | 1281.2 | 1283.8 | 1284.7 | 1284.3 | 1283.8 | 1283.3 | 1282.8 |
| 7.5° | 1265.3 | 1267.5 | 1269.7 | 1270.6 | 1270.3 | 1270.1 | 1269.7 | 1269.4 |
| 10° | 1252.8 | 1255.0 | 1257.3 | 1258.1 | 1257.6 | 1257.1 | 1256.6 | 1256.1 |
| 12.5° | 1239.2 | 1240.8 | 1242.4 | 1243.1 | 1242.8 | 1242.5 | 1242.2 | 1241.9 |
| 15° | 1214.6 | 1216.5 | 1218.5 | 1218.8 | 1217.3 | 1215.8 | 1214.3 | 1212.8 |
| 17.5° | 1183.4 | 1184.8 | 1186.2 | 1186.6 | 1186.1 | 1185.5 | 1185.0 | 1184.5 |
| 20° | 1160.4 | 1161.5 | 1162.5 | 1162.5 | 1161.8 | 1161.1 | 1160.3 | 1159.6 |
| 22.5° | 1136.1 | 1136.9 | 1137.7 | 1137.6 | 1136.7 | 1135.7 | 1134.8 | 1133.8 |
| 25° | 1095.7 | 1096.0 | 1096.3 | 1096.0 | 1095.2 | 1094.5 | 1093.7 | 1093.0 |
| 27.5° | 1052.8 | 1053.0 | 1053.2 | 1052.8 | 1051.9 | 1050.9 | 1050.0 | 1049.0 |
| 30° | 1023.1 | 1023.1 | 1023.1 | 1022.2 | 1020.5 | 1018.8 | 1017.1 | 1015.3 |
| 32.5° | 991.9 | 990.6 | 989.2 | 988.0 | 987.1 | 986.1 | 985.2 | 984.2 |
| 35° | 941.3 | 939.9 | 938.4 | 937.0 | 935.8 | 934.6 | 933.4 | 932.1 |
| 37.5° | 889.1 | 887.3 | 885.5 | 884.2 | 883.5 | 882.6 | 881.8 | 881.1 |
| 40° | 854.9 | 853.0 | 851.0 | 849.5 | 848.5 | 847.5 | 846.5 | 845.5 |
| 42.5° | 819.4 | 817.4 | 815.5 | 814.0 | 813.0 | 812.0 | 811.1 | 810.1 |
| 45° | 766.4 | 763.4 | 760.5 | 758.4 | 757.2 | 755.9 | 754.7 | 753.4 |
| 47.5° | 710.5 | 707.7 | 704.7 | 702.8 | 701.6 | 700.6 | 699.5 | 698.4 |
| 50° | 673.7 | 671.0 | 668.2 | 666.2 | 664.7 | 663.2 | 661.7 | 660.2 |
| 52.5° | 636.3 | 634.0 | 631.7 | 629.7 | 628.3 | 626.8 | 625.3 | 623.9 |
| 55° | 579.4 | 576.7 | 574.0 | 571.9 | 570.7 | 569.5 | 568.3 | 567.0 |
| 57.5° | 523.3 | 521.0 | 518.5 | 516.6 | 515.2 | 513.7 | 512.3 | 510.9 |
| 60° | 483.8 | 481.6 | 479.4 | 477.7 | 476.4 | 475.2 | 473.9 | 472.7 |
| 62.5° | 445.6 | 443.4 | 441.2 | 439.7 | 438.8 | 438.0 | 437.2 | 436.3 |
| 65° | 388.9 | 386.9 | 384.9 | 383.6 | 382.9 | 382.1 | 381.3 | 380.6 |
| 67.5° | 332.6 | 330.8 | 329.1 | 327.8 | 326.7 | 325.6 | 324.6 | 323.6 |
| 70° | 296.1 | 294.4 | 292.7 | 291.2 | 290.0 | 288.8 | 287.6 | 286.3 |
| 72.5° | 259.3 | 257.7 | 256.2 | 255.1 | 254.5 | 253.8 | 253.2 | 252.6 |
| 75° | 206.2 | 204.9 | 203.7 | 202.7 | 201.9 | 201.2 | 200.5 | 199.7 |
| 77.5° | 156.5 | 155.7 | 154.9 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 |
| 80° | 124.9 | 124.7 | 124.4 | 124.3 | 124.3 | 124.3 | 124.3 | 124.3 |
| 82.5° | 96.1 | 95.6 | 95.2 | 94.9 | 94.7 | 94.5 | 94.3 | 94.1 |
| 85° | 54.5 | 54.0 | 53.5 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 87.5° | 23.2 | 23.2 | 23.2 | 23.4 | 23.2 | 23.4 | 23.6 | 23.4 |
| 90° | 20.4 | 21.2 | 22.0 | 23.6 | 22.7 | 23.6 | 24.4 | 23.6 |
| 92.5° | 68.5 | 54.4 | 48.0 | 43.8 | 42.3 | 39.9 | 40.7 | 39.2 |
| 95° | 292.9 | 198.6 | 155.5 | 126.1 | 110.7 | 103.4 | 97.7 | 94.4 |
| 97.5° | 730.3 | 585.0 | 480.0 | 382.6 | 322.6 | 286.0 | 264.0 | 257.0 |
| 100° | 959.5 | 893.6 | 798.3 | 682.8 | 600.6 | 541.2 | 509.5 | 510.3 |
| 102.5° | 1035.7 | 1033.6 | 978.0 | 904.8 | 840.8 | 793.8 | 767.3 | 748.5 |
| 105° | 1057.9 | 1139.4 | 1154.8 | 1133.7 | 1096.2 | 1065.3 | 1039.3 | 1035.2 |
| 107.5° | 993.8 | 1126.0 | 1197.3 | 1226.3 | 1226.9 | 1216.5 | 1207.7 | 1200.2 |
| 110° | 932.6 | 1082.4 | 1184.9 | 1241.9 | 1264.7 | 1271.2 | 1269.6 | 1268.0 |



TEST NUMBER: P332035-930

CATALOG NUMBER: S123DIP-S1000D1025U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 872.0 | 1025.1 | 1140.0 | 1213.2 | 1254.9 | 1275.0 | 1281.2 | 1281.6 |
| 115° | 791.8 | 933.4 | 1053.0 | 1141.7 | 1202.8 | 1238.6 | 1254.9 | 1259.0 |
| 117.5° | 733.8 | 856.0 | 963.4 | 1053.4 | 1117.0 | 1158.1 | 1181.5 | 1187.0 |
| 120° | 703.1 | 813.0 | 910.7 | 992.9 | 1057.1 | 1102.7 | 1122.3 | 1127.2 |
| 122.5° | 679.1 | 778.5 | 869.0 | 945.3 | 1002.5 | 1043.5 | 1064.9 | 1071.1 |
| 125° | 647.0 | 735.7 | 813.8 | 878.9 | 931.0 | 966.8 | 987.2 | 992.9 |
| 127.5° | 619.0 | 698.1 | 768.6 | 827.8 | 874.2 | 904.8 | 923.2 | 928.4 |
| 130° | 601.4 | 674.7 | 740.5 | 795.9 | 839.0 | 868.4 | 885.4 | 891.9 |
| 132.5° | 585.1 | 652.5 | 713.9 | 766.6 | 807.1 | 836.4 | 851.6 | 856.1 |
| 135° | 563.1 | 620.9 | 673.8 | 720.2 | 760.1 | 784.5 | 799.2 | 804.9 |
| 137.5° | 543.2 | 590.5 | 636.1 | 676.3 | 709.8 | 734.6 | 746.9 | 750.6 |
| 140° | 531.4 | 572.9 | 612.0 | 647.0 | 677.9 | 700.7 | 713.7 | 712.9 |
| 142.5° | 520.3 | 556.0 | 589.9 | 620.3 | 646.7 | 666.8 | 678.6 | 677.8 |
| 145° | 507.0 | 533.9 | 559.9 | 583.5 | 603.8 | 620.9 | 627.5 | 629.1 |
| 147.5° | 496.1 | 517.4 | 538.4 | 555.2 | 570.6 | 582.2 | 588.4 | 589.1 |
| 150° | 488.3 | 507.0 | 524.1 | 539.6 | 551.8 | 560.7 | 565.6 | 565.6 |
| 152.5° | 481.1 | 497.3 | 512.4 | 525.2 | 534.8 | 543.2 | 546.1 | 546.1 |
| 155° | 470.3 | 483.4 | 495.6 | 505.4 | 512.7 | 519.2 | 520.8 | 521.6 |
| 157.5° | 459.0 | 469.9 | 479.3 | 487.0 | 493.3 | 498.2 | 499.5 | 499.4 |
| 160° | 452.5 | 461.5 | 469.5 | 475.2 | 480.9 | 485.8 | 485.8 | 485.0 |
| 162.5° | 444.7 | 452.3 | 459.8 | 464.9 | 468.6 | 472.8 | 472.8 | 472.0 |
| 165° | 434.6 | 439.4 | 445.2 | 449.2 | 452.5 | 455.8 | 454.9 | 454.9 |
| 167.5° | 425.7 | 429.5 | 432.8 | 435.7 | 437.2 | 439.4 | 438.6 | 438.6 |
| 170° | 420.0 | 422.4 | 425.6 | 427.2 | 428.0 | 429.7 | 428.8 | 428.8 |
| 172.5° | 414.7 | 416.5 | 419.1 | 420.1 | 420.3 | 421.9 | 420.4 | 419.8 |
| 175° | 407.7 | 408.5 | 410.2 | 410.2 | 410.2 | 411.0 | 410.2 | 409.4 |
| 177.5° | 403.3 | 404.0 | 404.6 | 404.6 | 404.0 | 404.6 | 403.3 | 403.3 |
| 180° | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 | 402.0 |

(END OF REPORT)