

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: P332333-940

Luminaire Tested: **S123RDIP-S1000D365U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332333-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D365U940-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4675.2 lumens
Efficiency: N/A
Efficacy: 107.5 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: Semi-Direct

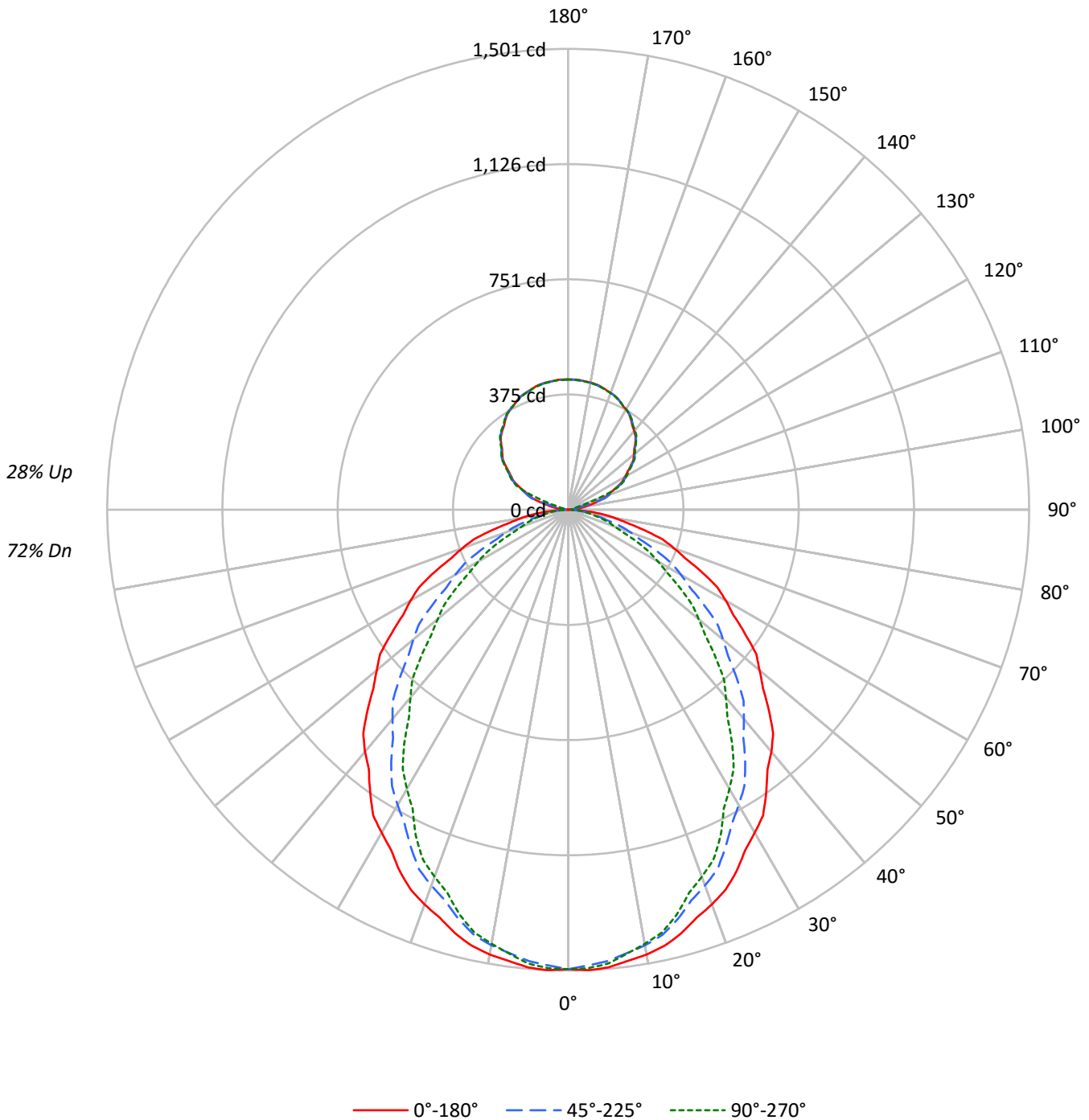
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

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 | 112 | 112 | 112 | 112 | 107 | 107 | 107 | 107 | 96 | 96 | 96 | 86 | 86 | 86 | 77 | 77 | 77 | 72 |
| 1 | 103 | 99 | 95 | 92 | 98 | 94 | 91 | 88 | 85 | 82 | 80 | 76 | 74 | 73 | 69 | 67 | 66 | 62 |
| 2 | 94 | 87 | 81 | 76 | 89 | 83 | 77 | 73 | 75 | 71 | 67 | 68 | 64 | 61 | 61 | 58 | 56 | 53 |
| 3 | 86 | 77 | 70 | 64 | 82 | 73 | 67 | 61 | 67 | 61 | 57 | 60 | 56 | 52 | 54 | 51 | 48 | 45 |
| 4 | 79 | 68 | 60 | 54 | 75 | 65 | 58 | 53 | 59 | 54 | 49 | 54 | 49 | 45 | 49 | 45 | 42 | 39 |
| 5 | 73 | 61 | 53 | 47 | 69 | 59 | 51 | 46 | 54 | 47 | 43 | 49 | 44 | 40 | 44 | 40 | 37 | 34 |
| 6 | 68 | 55 | 47 | 41 | 64 | 53 | 45 | 40 | 48 | 42 | 37 | 44 | 39 | 35 | 40 | 36 | 33 | 30 |
| 7 | 63 | 50 | 42 | 36 | 59 | 48 | 41 | 35 | 44 | 38 | 33 | 40 | 35 | 31 | 37 | 33 | 29 | 27 |
| 8 | 58 | 46 | 38 | 33 | 55 | 44 | 37 | 32 | 40 | 34 | 30 | 37 | 32 | 28 | 34 | 30 | 26 | 24 |
| 9 | 55 | 42 | 34 | 29 | 52 | 40 | 33 | 28 | 37 | 31 | 27 | 34 | 29 | 25 | 32 | 27 | 24 | 22 |
| 10 | 51 | 39 | 31 | 27 | 49 | 37 | 30 | 26 | 34 | 29 | 24 | 32 | 27 | 23 | 29 | 25 | 22 | 20 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 16108 | 16108 | 16108 |
| 5° | 16170 | 15946 | 16038 |
| 10° | 16078 | 15746 | 15692 |
| 15° | 15905 | 15377 | 15216 |
| 20° | 15668 | 14917 | 14569 |
| 25° | 15423 | 14400 | 13938 |
| 30° | 15100 | 13803 | 13048 |
| 35° | 14767 | 13205 | 12232 |
| 40° | 14462 | 12500 | 11221 |
| 45° | 14059 | 11805 | 10310 |
| 50° | 13618 | 11015 | 9287 |
| 55° | 13165 | 10113 | 8336 |
| 60° | 12751 | 9145 | 7289 |
| 65° | 12210 | 8099 | 6243 |
| 70° | 11534 | 6801 | 5042 |
| 75° | 10551 | 5352 | 4741 |
| 80° | 9403 | 4736 | 4364 |
| 85° | 7941 | 4199 | 3903 |



TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 140.5 | 3.0 |
| 10°-20° | 391.0 | 8.4 |
| 20°-30° | 563.0 | 12.0 |
| 30°-40° | 634.1 | 13.6 |
| 40°-50° | 606.7 | 13.0 |
| 50°-60° | 496.8 | 10.6 |
| 60°-70° | 335.2 | 7.2 |
| 70°-80° | 168.6 | 3.6 |
| 80°-90° | 45.8 | 1.0 |
| 90°-100° | 15.4 | 0.3 |
| 100°-110° | 73.5 | 1.6 |
| 110°-120° | 176.5 | 3.8 |
| 120°-130° | 224.8 | 4.8 |
| 130°-140° | 240.2 | 5.1 |
| 140°-150° | 224.6 | 4.8 |
| 150°-160° | 181.2 | 3.9 |
| 160°-170° | 116.9 | 2.5 |
| 170°-180° | 40.3 | 0.9 |
| 0°-30° | 1094.5 | 23.4 |
| 0°-40° | 1728.6 | 37.0 |
| 0°-60° | 2832.1 | 60.6 |
| 0°-90° | 3381.8 | 72.3 |
| 90°-120° | 265.4 | 5.7 |
| 90°-150° | 955.0 | 20.4 |
| 90°-180° | 1293.0 | 27.7 |
| 0°-180° | 4675.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1496 | 1496 | 1496 | 1496 | 1496 | |
| 5° | 1496 | 1490 | 1476 | 1486 | 1484 | 142 |
| 15° | 1427 | 1413 | 1380 | 1374 | 1365 | 402 |
| 25° | 1299 | 1267 | 1212 | 1188 | 1174 | 597 |
| 35° | 1124 | 1078 | 1005 | 954 | 931 | 703 |
| 45° | 924 | 867 | 776 | 709 | 677 | 712 |
| 55° | 702 | 640 | 539 | 471 | 444 | 629 |
| 65° | 479 | 411 | 318 | 261 | 245 | 474 |
| 75° | 254 | 195 | 129 | 117 | 114 | 270 |
| 85° | 64 | 39 | 34 | 32 | 32 | 72 |
| 90° | 0 | 4 | 8 | 9 | 10 | 4 |
| 95° | 19 | 7 | 10 | 12 | 12 | 24 |
| 105° | 94 | 96 | 69 | 16 | 14 | 100 |
| 115° | 176 | 178 | 181 | 184 | 185 | 174 |
| 125° | 248 | 251 | 252 | 253 | 253 | 222 |
| 135° | 309 | 311 | 312 | 313 | 312 | 238 |
| 145° | 357 | 359 | 360 | 360 | 360 | 223 |
| 155° | 393 | 392 | 393 | 394 | 392 | 181 |
| 165° | 414 | 413 | 413 | 415 | 413 | 117 |
| 175° | 424 | 423 | 423 | 425 | 423 | 40 |
| 180° | 424 | 424 | 424 | 424 | 424 | |



TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 |
| 2.5° | 1501.3 | 1500.4 | 1499.6 | 1498.7 | 1497.8 | 1496.1 | 1493.5 | 1490.9 | 1488.4 | 1485.8 | 1488.1 |
| 5° | 1496.5 | 1495.0 | 1493.7 | 1492.4 | 1491.0 | 1488.7 | 1485.5 | 1482.3 | 1479.1 | 1475.8 | 1478.2 |
| 7.5° | 1482.6 | 1481.1 | 1479.7 | 1478.2 | 1476.8 | 1473.9 | 1469.7 | 1465.5 | 1461.3 | 1457.1 | 1458.5 |
| 10° | 1471.0 | 1469.1 | 1467.1 | 1465.3 | 1463.4 | 1460.0 | 1455.2 | 1450.3 | 1445.5 | 1440.6 | 1440.9 |
| 12.5° | 1454.5 | 1452.3 | 1450.3 | 1448.1 | 1446.0 | 1442.0 | 1436.1 | 1430.1 | 1424.2 | 1418.3 | 1418.1 |
| 15° | 1427.3 | 1424.3 | 1421.3 | 1418.4 | 1415.4 | 1410.2 | 1402.6 | 1395.0 | 1387.5 | 1379.9 | 1378.6 |
| 17.5° | 1393.0 | 1389.6 | 1386.2 | 1382.7 | 1379.2 | 1372.7 | 1363.1 | 1353.5 | 1343.9 | 1334.3 | 1331.4 |
| 20° | 1367.8 | 1363.5 | 1359.1 | 1354.9 | 1350.5 | 1343.3 | 1333.0 | 1322.8 | 1312.5 | 1302.3 | 1298.8 |
| 22.5° | 1339.6 | 1334.7 | 1329.7 | 1324.7 | 1319.8 | 1311.9 | 1300.9 | 1290.0 | 1279.2 | 1268.3 | 1263.9 |
| 25° | 1298.6 | 1291.9 | 1285.1 | 1278.4 | 1271.7 | 1262.0 | 1249.6 | 1237.2 | 1224.9 | 1212.5 | 1206.8 |
| 27.5° | 1248.8 | 1241.4 | 1233.9 | 1226.5 | 1219.1 | 1208.4 | 1194.6 | 1180.8 | 1167.0 | 1153.2 | 1145.3 |
| 30° | 1214.9 | 1206.8 | 1198.7 | 1190.6 | 1182.5 | 1170.9 | 1155.8 | 1140.7 | 1125.6 | 1110.5 | 1101.4 |
| 32.5° | 1180.9 | 1171.7 | 1162.5 | 1153.3 | 1144.2 | 1131.7 | 1115.7 | 1099.7 | 1083.7 | 1067.7 | 1057.7 |
| 35° | 1123.8 | 1114.1 | 1104.4 | 1094.8 | 1085.0 | 1071.7 | 1055.1 | 1038.3 | 1021.6 | 1004.9 | 993.3 |
| 37.5° | 1066.0 | 1055.3 | 1044.5 | 1033.7 | 1022.9 | 1008.6 | 990.8 | 972.9 | 955.0 | 937.2 | 924.0 |
| 40° | 1029.2 | 1017.4 | 1005.4 | 993.5 | 981.7 | 966.2 | 947.1 | 927.9 | 908.7 | 889.6 | 875.6 |
| 42.5° | 987.4 | 975.5 | 963.7 | 951.8 | 940.0 | 924.2 | 904.4 | 884.6 | 864.8 | 845.0 | 829.6 |
| 45° | 923.6 | 911.4 | 899.3 | 887.2 | 875.0 | 858.6 | 837.9 | 817.1 | 796.3 | 775.5 | 760.2 |
| 47.5° | 859.8 | 846.4 | 833.1 | 819.7 | 806.5 | 789.4 | 768.7 | 747.9 | 727.1 | 706.3 | 689.6 |
| 50° | 813.2 | 800.5 | 787.8 | 775.2 | 762.4 | 745.2 | 723.4 | 701.5 | 679.7 | 657.8 | 641.1 |
| 52.5° | 771.4 | 757.7 | 743.9 | 730.1 | 716.4 | 698.7 | 677.1 | 655.4 | 633.8 | 612.2 | 594.8 |
| 55° | 701.5 | 688.3 | 675.0 | 661.8 | 648.6 | 630.5 | 607.6 | 584.7 | 561.8 | 538.9 | 523.3 |
| 57.5° | 636.9 | 622.5 | 608.1 | 593.7 | 579.3 | 560.6 | 537.5 | 514.5 | 491.5 | 468.5 | 453.7 |
| 60° | 592.3 | 577.5 | 562.6 | 547.8 | 532.9 | 514.3 | 492.0 | 469.6 | 447.2 | 424.8 | 410.2 |
| 62.5° | 547.6 | 532.8 | 517.9 | 503.1 | 488.3 | 469.7 | 447.3 | 424.9 | 402.5 | 380.1 | 366.4 |
| 65° | 479.4 | 464.6 | 449.7 | 434.9 | 420.1 | 402.2 | 381.1 | 360.1 | 339.0 | 318.0 | 304.8 |
| 67.5° | 411.2 | 396.2 | 381.2 | 366.2 | 351.2 | 333.6 | 313.4 | 293.3 | 273.1 | 252.9 | 243.1 |
| 70° | 366.5 | 352.0 | 337.4 | 322.8 | 308.3 | 291.6 | 272.7 | 253.8 | 234.9 | 216.1 | 206.6 |
| 72.5° | 321.8 | 307.6 | 293.2 | 278.8 | 264.5 | 248.7 | 231.6 | 214.5 | 197.2 | 180.1 | 172.4 |
| 75° | 253.7 | 240.7 | 227.7 | 214.8 | 201.9 | 188.0 | 173.2 | 158.3 | 143.5 | 128.7 | 125.9 |
| 77.5° | 191.5 | 179.8 | 168.1 | 156.4 | 144.7 | 134.0 | 124.5 | 114.9 | 105.4 | 95.9 | 94.4 |
| 80° | 151.7 | 140.6 | 129.6 | 118.5 | 107.5 | 99.2 | 93.5 | 87.7 | 82.1 | 76.4 | 75.6 |
| 82.5° | 113.9 | 104.3 | 94.8 | 85.2 | 75.6 | 69.6 | 66.9 | 64.3 | 61.6 | 58.9 | 58.1 |
| 85° | 64.3 | 58.4 | 52.4 | 46.5 | 40.6 | 37.2 | 36.4 | 35.6 | 34.8 | 34.0 | 33.4 |
| 87.5° | 23.4 | 21.1 | 18.9 | 16.7 | 14.4 | 13.4 | 13.6 | 13.7 | 13.9 | 14.2 | 14.0 |
| 90° | 0.4 | 1.0 | 1.7 | 2.4 | 3.1 | 3.9 | 4.8 | 5.7 | 6.7 | 7.6 | 7.8 |
| 92.5° | 5.9 | 5.7 | 5.4 | 5.3 | 5.1 | 5.4 | 6.0 | 6.7 | 7.4 | 8.0 | 8.5 |
| 95° | 19.3 | 16.3 | 13.5 | 10.6 | 7.8 | 6.7 | 7.5 | 8.2 | 9.0 | 9.8 | 10.3 |
| 97.5° | 38.6 | 37.4 | 36.0 | 34.8 | 33.4 | 30.3 | 25.2 | 20.2 | 15.2 | 10.2 | 10.7 |
| 100° | 53.2 | 54.7 | 56.1 | 57.4 | 58.9 | 54.1 | 43.2 | 32.3 | 21.3 | 10.4 | 11.0 |
| 102.5° | 69.9 | 70.9 | 71.9 | 72.9 | 73.9 | 68.5 | 56.5 | 44.6 | 32.6 | 20.8 | 19.0 |
| 105° | 93.9 | 94.7 | 95.4 | 96.2 | 97.0 | 94.3 | 87.9 | 81.6 | 75.3 | 69.0 | 56.6 |
| 107.5° | 119.2 | 119.8 | 120.5 | 121.1 | 121.7 | 122.5 | 123.5 | 124.5 | 125.5 | 126.4 | 117.3 |
| 110° | 136.2 | 136.7 | 137.2 | 137.8 | 138.4 | 139.0 | 139.8 | 140.5 | 141.3 | 142.1 | 139.8 |



TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 152.2 | 152.8 | 153.3 | 153.7 | 154.3 | 154.9 | 155.7 | 156.5 | 157.2 | 158.0 | 158.0 |
| 115° | 176.1 | 176.6 | 177.0 | 177.4 | 177.8 | 178.3 | 179.0 | 179.6 | 180.2 | 180.8 | 181.6 |
| 117.5° | 199.3 | 199.8 | 200.3 | 200.8 | 201.3 | 201.8 | 202.1 | 202.4 | 202.8 | 203.0 | 203.6 |
| 120° | 213.7 | 214.3 | 214.9 | 215.5 | 216.2 | 216.6 | 216.8 | 217.0 | 217.2 | 217.4 | 218.0 |
| 122.5° | 228.3 | 228.8 | 229.3 | 229.8 | 230.3 | 230.7 | 231.0 | 231.2 | 231.5 | 231.8 | 232.2 |
| 125° | 248.3 | 248.9 | 249.4 | 249.9 | 250.6 | 250.9 | 251.3 | 251.6 | 251.8 | 252.1 | 252.3 |
| 127.5° | 267.7 | 268.3 | 268.9 | 269.4 | 269.9 | 270.4 | 270.7 | 271.1 | 271.4 | 271.7 | 272.0 |
| 130° | 279.8 | 280.4 | 280.9 | 281.5 | 282.0 | 282.5 | 282.8 | 283.0 | 283.3 | 283.6 | 283.8 |
| 132.5° | 291.4 | 291.9 | 292.6 | 293.1 | 293.6 | 294.0 | 294.3 | 294.5 | 294.7 | 295.0 | 295.2 |
| 135° | 309.2 | 309.5 | 310.0 | 310.4 | 310.8 | 311.1 | 311.4 | 311.7 | 312.0 | 312.3 | 312.5 |
| 137.5° | 324.2 | 324.8 | 325.3 | 325.8 | 326.4 | 326.7 | 326.9 | 327.0 | 327.2 | 327.3 | 327.7 |
| 140° | 334.3 | 334.7 | 335.2 | 335.6 | 336.0 | 336.4 | 336.5 | 336.7 | 337.0 | 337.2 | 337.4 |
| 142.5° | 343.7 | 344.1 | 344.5 | 344.9 | 345.4 | 345.6 | 345.9 | 346.1 | 346.3 | 346.5 | 346.7 |
| 145° | 356.7 | 357.2 | 357.7 | 358.2 | 358.6 | 359.0 | 359.1 | 359.3 | 359.4 | 359.5 | 359.7 |
| 147.5° | 369.0 | 369.3 | 369.6 | 370.0 | 370.2 | 370.5 | 370.7 | 370.8 | 371.0 | 371.0 | 371.2 |
| 150° | 376.6 | 376.7 | 376.9 | 377.2 | 377.4 | 377.6 | 377.7 | 377.8 | 378.0 | 378.1 | 378.3 |
| 152.5° | 383.3 | 383.4 | 383.5 | 383.6 | 383.7 | 383.9 | 383.9 | 384.0 | 384.1 | 384.1 | 384.4 |
| 155° | 393.0 | 392.8 | 392.6 | 392.5 | 392.4 | 392.4 | 392.4 | 392.4 | 392.5 | 392.6 | 393.0 |
| 157.5° | 400.4 | 400.4 | 400.4 | 400.3 | 400.3 | 400.3 | 400.2 | 400.1 | 400.0 | 400.0 | 400.4 |
| 160° | 404.9 | 404.8 | 404.7 | 404.7 | 404.7 | 404.6 | 404.5 | 404.4 | 404.4 | 404.3 | 404.7 |
| 162.5° | 409.2 | 409.0 | 408.8 | 408.7 | 408.5 | 408.3 | 408.2 | 408.2 | 408.1 | 408.0 | 408.5 |
| 165° | 414.4 | 414.1 | 413.9 | 413.8 | 413.5 | 413.4 | 413.3 | 413.2 | 413.1 | 413.1 | 413.7 |
| 167.5° | 418.4 | 418.1 | 417.9 | 417.6 | 417.2 | 417.1 | 417.1 | 417.1 | 417.1 | 417.1 | 417.7 |
| 170° | 420.6 | 420.4 | 420.1 | 419.8 | 419.5 | 419.4 | 419.4 | 419.4 | 419.4 | 419.4 | 420.0 |
| 172.5° | 422.1 | 421.9 | 421.5 | 421.2 | 420.8 | 420.7 | 420.7 | 420.8 | 420.9 | 420.9 | 421.5 |
| 175° | 424.1 | 423.7 | 423.4 | 423.1 | 422.8 | 422.6 | 422.7 | 422.8 | 422.8 | 422.8 | 423.4 |
| 177.5° | 424.6 | 424.4 | 424.1 | 423.8 | 423.5 | 423.4 | 423.5 | 423.5 | 423.6 | 423.7 | 424.1 |
| 180° | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 |



TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 | 1496.5 |
| 2.5° | 1490.5 | 1492.9 | 1495.2 | 1496.2 | 1495.8 | 1495.4 | 1495.0 | 1494.5 |
| 5° | 1480.7 | 1483.1 | 1485.5 | 1486.5 | 1485.9 | 1485.4 | 1484.9 | 1484.3 |
| 7.5° | 1459.8 | 1461.2 | 1462.5 | 1462.8 | 1461.8 | 1460.9 | 1460.0 | 1459.0 |
| 10° | 1441.2 | 1441.5 | 1441.7 | 1441.2 | 1439.8 | 1438.4 | 1437.1 | 1435.7 |
| 12.5° | 1417.9 | 1417.8 | 1417.6 | 1416.8 | 1415.2 | 1413.6 | 1412.1 | 1410.5 |
| 15° | 1377.2 | 1375.9 | 1374.6 | 1372.9 | 1371.0 | 1369.1 | 1367.3 | 1365.4 |
| 17.5° | 1328.6 | 1325.7 | 1322.9 | 1320.0 | 1317.2 | 1314.4 | 1311.6 | 1308.8 |
| 20° | 1295.2 | 1291.7 | 1288.3 | 1284.9 | 1281.7 | 1278.4 | 1275.1 | 1271.9 |
| 22.5° | 1259.5 | 1255.2 | 1250.8 | 1247.1 | 1244.1 | 1241.1 | 1238.1 | 1235.0 |
| 25° | 1201.1 | 1195.4 | 1189.8 | 1185.4 | 1182.5 | 1179.6 | 1176.6 | 1173.6 |
| 27.5° | 1137.5 | 1129.6 | 1121.7 | 1115.5 | 1111.0 | 1106.4 | 1101.9 | 1097.4 |
| 30° | 1092.2 | 1083.0 | 1073.8 | 1067.1 | 1062.7 | 1058.5 | 1054.1 | 1049.8 |
| 32.5° | 1047.7 | 1037.7 | 1027.6 | 1020.4 | 1015.8 | 1011.3 | 1006.7 | 1002.2 |
| 35° | 981.7 | 970.1 | 958.5 | 950.3 | 945.5 | 940.6 | 935.8 | 930.9 |
| 37.5° | 910.9 | 897.7 | 884.6 | 874.9 | 869.0 | 863.0 | 857.0 | 851.0 |
| 40° | 861.6 | 847.6 | 833.5 | 823.4 | 817.2 | 811.0 | 804.8 | 798.6 |
| 42.5° | 814.3 | 799.0 | 783.6 | 773.2 | 767.7 | 762.1 | 756.5 | 751.0 |
| 45° | 744.8 | 729.4 | 714.0 | 703.1 | 696.6 | 690.2 | 683.7 | 677.3 |
| 47.5° | 672.9 | 656.2 | 639.4 | 628.2 | 622.4 | 616.7 | 610.9 | 605.1 |
| 50° | 624.4 | 607.6 | 590.9 | 579.4 | 573.3 | 567.0 | 560.9 | 554.6 |
| 52.5° | 577.5 | 560.1 | 542.7 | 531.2 | 525.7 | 520.1 | 514.6 | 509.0 |
| 55° | 507.6 | 492.0 | 476.3 | 465.7 | 460.4 | 455.0 | 449.6 | 444.2 |
| 57.5° | 438.9 | 424.1 | 409.4 | 399.7 | 395.1 | 390.5 | 385.9 | 381.3 |
| 60° | 395.7 | 381.1 | 366.5 | 357.0 | 352.4 | 347.8 | 343.2 | 338.6 |
| 62.5° | 352.7 | 339.0 | 325.3 | 316.0 | 311.3 | 306.5 | 301.7 | 296.9 |
| 65° | 291.6 | 278.3 | 265.1 | 257.0 | 254.0 | 251.1 | 248.2 | 245.1 |
| 67.5° | 233.2 | 223.3 | 213.5 | 206.9 | 203.8 | 200.5 | 197.3 | 194.2 |
| 70° | 197.2 | 187.7 | 178.3 | 172.1 | 169.1 | 166.1 | 163.2 | 160.2 |
| 72.5° | 164.7 | 156.9 | 149.3 | 144.8 | 143.6 | 142.3 | 141.1 | 139.8 |
| 75° | 123.2 | 120.6 | 117.9 | 116.3 | 115.7 | 115.1 | 114.6 | 114.0 |
| 77.5° | 93.0 | 91.5 | 90.1 | 89.1 | 88.5 | 88.0 | 87.5 | 86.9 |
| 80° | 74.8 | 74.0 | 73.2 | 72.6 | 72.1 | 71.5 | 70.9 | 70.4 |
| 82.5° | 57.3 | 56.5 | 55.7 | 55.3 | 55.2 | 55.1 | 54.9 | 54.8 |
| 85° | 32.9 | 32.4 | 31.8 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| 87.5° | 13.8 | 13.6 | 13.5 | 13.3 | 13.1 | 12.9 | 12.8 | 12.6 |
| 90° | 8.1 | 8.4 | 8.6 | 8.9 | 9.0 | 9.2 | 9.3 | 9.5 |
| 92.5° | 9.0 | 9.5 | 9.9 | 10.2 | 10.2 | 10.3 | 10.3 | 10.4 |
| 95° | 10.8 | 11.2 | 11.8 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 97.5° | 11.2 | 11.9 | 12.4 | 12.7 | 12.8 | 12.8 | 12.9 | 13.0 |
| 100° | 11.5 | 12.0 | 12.7 | 12.9 | 13.0 | 13.1 | 13.2 | 13.2 |
| 102.5° | 17.3 | 15.5 | 13.8 | 13.0 | 13.1 | 13.2 | 13.4 | 13.5 |
| 105° | 44.2 | 31.8 | 19.4 | 13.3 | 13.5 | 13.6 | 13.7 | 13.8 |
| 107.5° | 108.3 | 99.2 | 90.2 | 80.9 | 71.6 | 62.2 | 52.9 | 43.5 |
| 110° | 137.5 | 135.2 | 132.9 | 126.7 | 116.7 | 106.6 | 96.7 | 86.7 |



TEST NUMBER: P332333-940

CATALOG NUMBER: S123RDIP-S1000D365U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 158.1 | 158.1 | 158.2 | 157.1 | 155.0 | 152.9 | 150.8 | 148.6 |
| 115° | 182.3 | 183.0 | 183.7 | 184.1 | 184.4 | 184.8 | 185.0 | 185.3 |
| 117.5° | 204.2 | 204.7 | 205.3 | 205.6 | 205.6 | 205.7 | 205.8 | 205.8 |
| 120° | 218.6 | 219.1 | 219.6 | 220.0 | 220.0 | 220.0 | 220.0 | 220.0 |
| 122.5° | 232.6 | 233.0 | 233.4 | 233.5 | 233.6 | 233.7 | 233.7 | 233.8 |
| 125° | 252.4 | 252.5 | 252.6 | 252.8 | 252.9 | 253.1 | 253.2 | 253.3 |
| 127.5° | 272.2 | 272.4 | 272.7 | 272.7 | 272.5 | 272.4 | 272.2 | 272.2 |
| 130° | 284.2 | 284.5 | 284.7 | 284.8 | 284.6 | 284.5 | 284.4 | 284.2 |
| 132.5° | 295.5 | 295.8 | 296.0 | 296.1 | 295.9 | 295.7 | 295.5 | 295.3 |
| 135° | 312.7 | 312.9 | 313.1 | 313.1 | 312.9 | 312.7 | 312.5 | 312.3 |
| 137.5° | 328.0 | 328.3 | 328.7 | 328.8 | 328.6 | 328.5 | 328.3 | 328.2 |
| 140° | 337.7 | 338.0 | 338.3 | 338.3 | 338.2 | 338.0 | 338.0 | 337.8 |
| 142.5° | 347.0 | 347.1 | 347.4 | 347.4 | 347.2 | 347.0 | 346.8 | 346.6 |
| 145° | 359.8 | 360.0 | 360.1 | 360.2 | 360.2 | 360.2 | 360.2 | 360.2 |
| 147.5° | 371.3 | 371.5 | 371.7 | 371.6 | 371.2 | 370.9 | 370.6 | 370.2 |
| 150° | 378.4 | 378.5 | 378.7 | 378.6 | 378.4 | 378.3 | 378.0 | 377.8 |
| 152.5° | 384.7 | 385.0 | 385.2 | 385.1 | 384.9 | 384.5 | 384.1 | 383.9 |
| 155° | 393.3 | 393.7 | 394.0 | 394.0 | 393.6 | 393.2 | 392.7 | 392.3 |
| 157.5° | 400.8 | 401.3 | 401.7 | 401.6 | 401.1 | 400.6 | 399.9 | 399.4 |
| 160° | 405.1 | 405.6 | 406.0 | 405.9 | 405.5 | 404.9 | 404.5 | 403.9 |
| 162.5° | 409.0 | 409.5 | 409.9 | 410.0 | 409.6 | 409.1 | 408.7 | 408.2 |
| 165° | 414.2 | 414.8 | 415.4 | 415.4 | 414.9 | 414.4 | 413.9 | 413.4 |
| 167.5° | 418.2 | 418.8 | 419.4 | 419.4 | 418.8 | 418.2 | 417.7 | 417.1 |
| 170° | 420.5 | 421.1 | 421.6 | 421.6 | 421.1 | 420.5 | 420.0 | 419.4 |
| 172.5° | 422.0 | 422.6 | 423.1 | 423.1 | 422.5 | 421.9 | 421.2 | 420.6 |
| 175° | 423.8 | 424.4 | 424.8 | 424.8 | 424.3 | 423.7 | 423.1 | 422.6 |
| 177.5° | 424.5 | 425.0 | 425.4 | 425.3 | 424.8 | 424.3 | 423.7 | 423.1 |
| 180° | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 |

(END OF REPORT)