

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: P332061-927

Luminaire Tested: **S123DIP-S1165D585U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332061-927
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: S123DIP-S1165D585U927-4F0-1E-UDD-F1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5363.8 lumens
Efficiency: N/A
Efficacy: 97.3 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: Semi-Direct

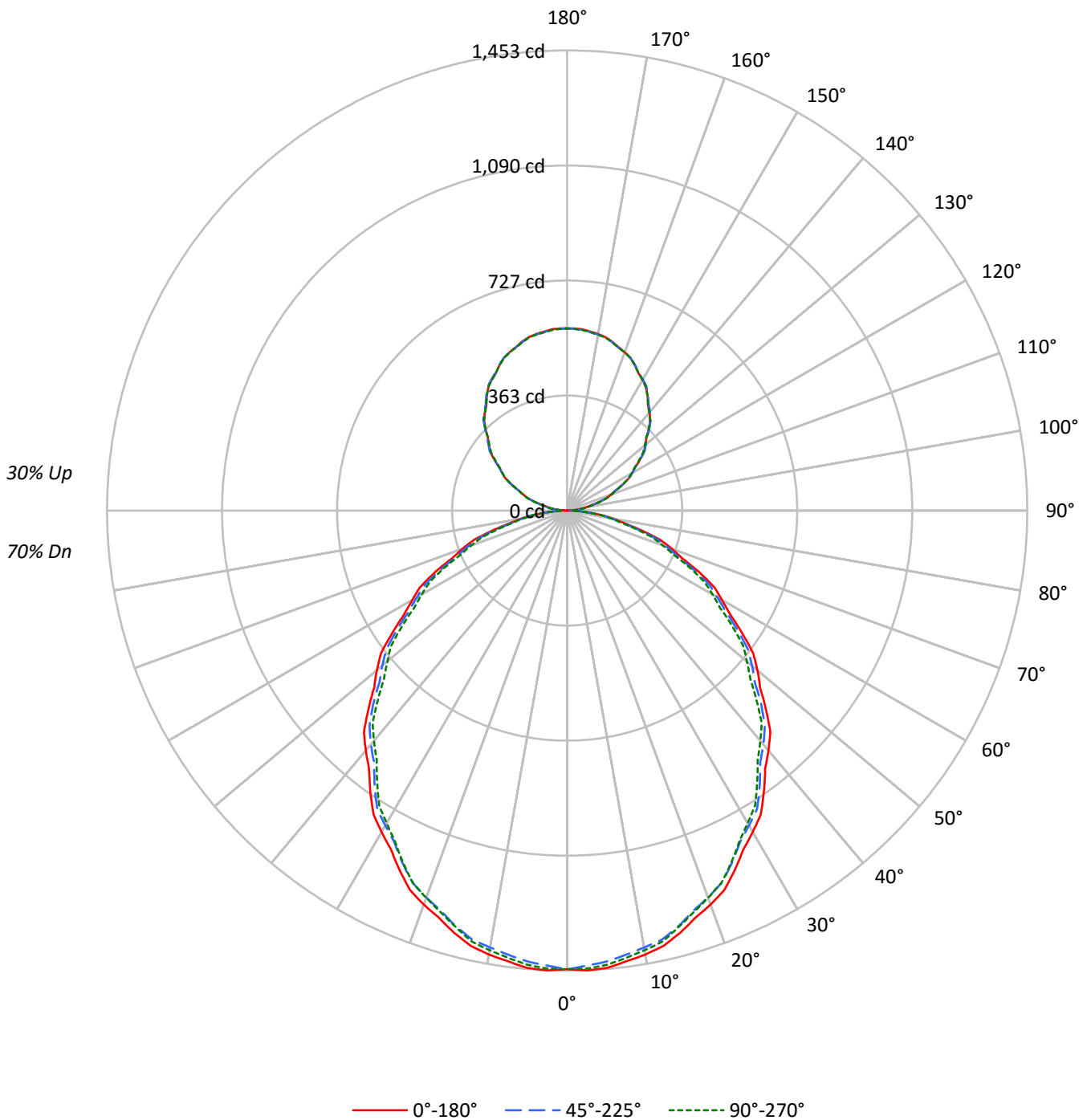
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-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 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 84 | 84 | 84 | 75 | 75 | 75 | 70 |
| 1 | 102 | 98 | 94 | 90 | 97 | 93 | 89 | 86 | 83 | 80 | 78 | 74 | 72 | 70 | 66 | 64 | 63 | 59 |
| 2 | 93 | 85 | 79 | 74 | 88 | 81 | 75 | 70 | 73 | 68 | 64 | 65 | 62 | 59 | 58 | 55 | 53 | 49 |
| 3 | 85 | 75 | 67 | 61 | 80 | 71 | 64 | 59 | 64 | 59 | 54 | 58 | 53 | 50 | 51 | 48 | 45 | 42 |
| 4 | 78 | 66 | 58 | 52 | 73 | 63 | 56 | 50 | 57 | 51 | 46 | 51 | 46 | 42 | 46 | 42 | 39 | 36 |
| 5 | 71 | 59 | 51 | 45 | 67 | 57 | 49 | 43 | 51 | 45 | 40 | 46 | 41 | 37 | 41 | 37 | 34 | 31 |
| 6 | 66 | 53 | 45 | 39 | 62 | 51 | 43 | 38 | 46 | 40 | 35 | 42 | 36 | 32 | 38 | 33 | 30 | 27 |
| 7 | 61 | 48 | 40 | 34 | 58 | 46 | 38 | 33 | 42 | 36 | 31 | 38 | 33 | 29 | 34 | 30 | 27 | 24 |
| 8 | 57 | 44 | 36 | 30 | 54 | 42 | 35 | 29 | 38 | 32 | 28 | 35 | 30 | 26 | 32 | 27 | 24 | 22 |
| 9 | 53 | 40 | 32 | 27 | 50 | 39 | 31 | 26 | 35 | 29 | 25 | 32 | 27 | 23 | 29 | 25 | 22 | 19 |
| 10 | 50 | 37 | 30 | 25 | 47 | 35 | 29 | 24 | 33 | 27 | 22 | 30 | 25 | 21 | 27 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 15588 | 15588 | 15588 |
| 5° | 15662 | 15446 | 15554 |
| 10° | 15557 | 15312 | 15407 |
| 15° | 15375 | 15139 | 15166 |
| 20° | 15163 | 14892 | 14905 |
| 25° | 14878 | 14598 | 14567 |
| 30° | 14564 | 14270 | 14162 |
| 35° | 14236 | 13925 | 13745 |
| 40° | 13893 | 13543 | 13333 |
| 45° | 13516 | 13192 | 12871 |
| 50° | 13137 | 12762 | 12407 |
| 55° | 12643 | 12314 | 11941 |
| 60° | 12144 | 11795 | 11418 |
| 65° | 11703 | 11227 | 10878 |
| 70° | 11053 | 10581 | 10112 |
| 75° | 10098 | 9736 | 9320 |
| 80° | 9106 | 8722 | 8647 |
| 85° | 7991 | 7694 | 7385 |



TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 136.4 | 2.5 |
| 10°-20° | 385.2 | 7.2 |
| 20°-30° | 569.0 | 10.6 |
| 30°-40° | 664.6 | 12.4 |
| 40°-50° | 668.2 | 12.5 |
| 50°-60° | 587.0 | 10.9 |
| 60°-70° | 437.3 | 8.2 |
| 70°-80° | 249.1 | 4.6 |
| 80°-90° | 73.2 | 1.4 |
| 90°-100° | 37.5 | 0.7 |
| 100°-110° | 112.2 | 2.1 |
| 110°-120° | 190.8 | 3.6 |
| 120°-130° | 250.9 | 4.7 |
| 130°-140° | 282.0 | 5.3 |
| 140°-150° | 277.2 | 5.2 |
| 150°-160° | 233.4 | 4.4 |
| 160°-170° | 155.4 | 2.9 |
| 170°-180° | 54.4 | 1.0 |
| 0°-30° | 1090.6 | 20.3 |
| 0°-40° | 1755.3 | 32.7 |
| 0°-60° | 3010.4 | 56.1 |
| 0°-90° | 3770.1 | 70.3 |
| 90°-120° | 340.4 | 6.3 |
| 90°-150° | 1150.6 | 21.5 |
| 90°-180° | 1594.0 | 29.7 |
| 0°-180° | 5363.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1448 | 1448 | 1448 | 1448 | 1448 | |
| 5° | 1450 | 1443 | 1430 | 1441 | 1440 | 137 |
| 15° | 1380 | 1374 | 1358 | 1368 | 1361 | 389 |
| 25° | 1253 | 1245 | 1229 | 1230 | 1226 | 577 |
| 35° | 1083 | 1075 | 1060 | 1052 | 1046 | 677 |
| 45° | 888 | 882 | 867 | 852 | 846 | 685 |
| 55° | 674 | 672 | 656 | 643 | 636 | 603 |
| 65° | 460 | 453 | 441 | 431 | 427 | 453 |
| 75° | 243 | 238 | 234 | 228 | 224 | 260 |
| 85° | 65 | 62 | 62 | 60 | 60 | 71 |
| 90° | 0 | 5 | 11 | 13 | 14 | 5 |
| 95° | 27 | 30 | 33 | 35 | 35 | 30 |
| 105° | 102 | 103 | 107 | 107 | 108 | 109 |
| 115° | 192 | 193 | 192 | 193 | 192 | 190 |
| 125° | 281 | 282 | 282 | 280 | 278 | 251 |
| 135° | 365 | 367 | 367 | 365 | 364 | 281 |
| 145° | 442 | 443 | 445 | 444 | 442 | 276 |
| 155° | 506 | 507 | 507 | 508 | 506 | 233 |
| 165° | 552 | 550 | 550 | 553 | 550 | 155 |
| 175° | 574 | 572 | 572 | 574 | 572 | 54 |
| 180° | 575 | 575 | 575 | 575 | 575 | |



TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 |
| 2.5° | 1453.2 | 1452.3 | 1451.4 | 1450.6 | 1449.6 | 1448.0 | 1445.6 | 1443.1 | 1440.7 | 1438.2 | 1440.4 |
| 5° | 1449.5 | 1448.1 | 1446.7 | 1445.3 | 1443.9 | 1441.7 | 1438.7 | 1435.6 | 1432.6 | 1429.5 | 1432.3 |
| 7.5° | 1435.3 | 1433.8 | 1432.5 | 1431.1 | 1429.7 | 1427.4 | 1424.3 | 1421.2 | 1418.0 | 1414.8 | 1417.3 |
| 10° | 1423.3 | 1421.9 | 1420.5 | 1419.1 | 1417.8 | 1415.3 | 1411.7 | 1408.1 | 1404.5 | 1400.9 | 1403.4 |
| 12.5° | 1407.4 | 1406.2 | 1405.0 | 1403.9 | 1402.7 | 1400.4 | 1397.1 | 1393.7 | 1390.3 | 1387.0 | 1388.8 |
| 15° | 1379.7 | 1378.6 | 1377.5 | 1376.4 | 1375.3 | 1372.9 | 1369.4 | 1365.7 | 1362.2 | 1358.5 | 1360.7 |
| 17.5° | 1347.6 | 1346.2 | 1344.7 | 1343.3 | 1341.8 | 1339.3 | 1335.7 | 1332.1 | 1328.5 | 1324.9 | 1326.5 |
| 20° | 1323.7 | 1322.0 | 1320.3 | 1318.7 | 1317.1 | 1314.4 | 1310.8 | 1307.3 | 1303.6 | 1300.1 | 1301.2 |
| 22.5° | 1296.8 | 1295.1 | 1293.5 | 1291.8 | 1290.1 | 1287.5 | 1283.9 | 1280.3 | 1276.8 | 1273.1 | 1274.0 |
| 25° | 1252.7 | 1251.0 | 1249.4 | 1247.7 | 1246.1 | 1243.4 | 1239.8 | 1236.3 | 1232.6 | 1229.1 | 1229.3 |
| 27.5° | 1205.6 | 1204.0 | 1202.5 | 1200.8 | 1199.2 | 1196.5 | 1192.6 | 1188.7 | 1184.9 | 1181.0 | 1181.2 |
| 30° | 1171.8 | 1170.4 | 1169.0 | 1167.6 | 1166.3 | 1163.6 | 1159.8 | 1155.9 | 1152.0 | 1148.1 | 1148.1 |
| 32.5° | 1137.9 | 1136.1 | 1134.2 | 1132.4 | 1130.6 | 1128.1 | 1125.2 | 1122.2 | 1119.2 | 1116.3 | 1114.7 |
| 35° | 1083.4 | 1081.7 | 1080.1 | 1078.4 | 1076.7 | 1074.1 | 1070.5 | 1066.9 | 1063.3 | 1059.7 | 1058.0 |
| 37.5° | 1027.5 | 1025.5 | 1023.3 | 1021.3 | 1019.1 | 1016.3 | 1012.6 | 1009.0 | 1005.4 | 1001.6 | 999.7 |
| 40° | 988.7 | 987.1 | 985.4 | 983.7 | 982.1 | 979.3 | 975.4 | 971.5 | 967.7 | 963.8 | 961.6 |
| 42.5° | 949.8 | 948.0 | 946.1 | 944.2 | 942.3 | 939.4 | 935.6 | 931.7 | 927.8 | 924.0 | 921.8 |
| 45° | 887.9 | 886.8 | 885.7 | 884.6 | 883.4 | 881.1 | 877.5 | 873.9 | 870.3 | 866.6 | 863.4 |
| 47.5° | 826.3 | 824.7 | 823.2 | 821.5 | 819.9 | 817.5 | 814.0 | 810.6 | 807.3 | 803.9 | 800.7 |
| 50° | 784.5 | 783.2 | 781.7 | 780.4 | 779.0 | 776.5 | 772.9 | 769.3 | 765.6 | 762.1 | 759.1 |
| 52.5° | 740.7 | 739.7 | 738.8 | 737.8 | 736.9 | 734.5 | 730.7 | 726.9 | 723.1 | 719.2 | 716.6 |
| 55° | 673.7 | 673.4 | 673.1 | 672.9 | 672.6 | 670.7 | 667.0 | 663.5 | 659.8 | 656.2 | 653.2 |
| 57.5° | 609.9 | 609.0 | 608.0 | 607.1 | 606.2 | 604.3 | 601.3 | 598.5 | 595.6 | 592.7 | 590.0 |
| 60° | 564.1 | 563.8 | 563.6 | 563.2 | 563.0 | 561.2 | 557.9 | 554.5 | 551.2 | 547.9 | 545.4 |
| 62.5° | 523.2 | 522.5 | 521.8 | 521.1 | 520.4 | 518.3 | 515.0 | 511.7 | 508.4 | 505.1 | 502.6 |
| 65° | 459.5 | 458.1 | 456.7 | 455.3 | 453.9 | 451.9 | 449.1 | 446.3 | 443.5 | 440.8 | 438.6 |
| 67.5° | 392.0 | 390.8 | 389.6 | 388.3 | 387.1 | 385.5 | 383.3 | 381.3 | 379.1 | 377.1 | 375.1 |
| 70° | 351.2 | 349.5 | 347.8 | 346.2 | 344.5 | 342.9 | 341.2 | 339.5 | 337.9 | 336.2 | 334.3 |
| 72.5° | 308.3 | 307.1 | 305.9 | 304.7 | 303.5 | 301.9 | 300.0 | 298.1 | 296.3 | 294.4 | 292.6 |
| 75° | 242.8 | 241.7 | 240.6 | 239.5 | 238.4 | 237.4 | 236.6 | 235.8 | 235.0 | 234.1 | 232.7 |
| 77.5° | 184.8 | 184.2 | 183.5 | 183.0 | 182.4 | 181.6 | 180.5 | 179.6 | 178.6 | 177.6 | 176.7 |
| 80° | 146.9 | 146.1 | 145.3 | 144.4 | 143.6 | 142.9 | 142.4 | 141.8 | 141.2 | 140.7 | 140.5 |
| 82.5° | 110.1 | 109.9 | 109.7 | 109.6 | 109.4 | 109.2 | 109.2 | 109.1 | 108.9 | 108.8 | 108.4 |
| 85° | 64.7 | 64.2 | 63.6 | 63.1 | 62.5 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 61.7 |
| 87.5° | 26.0 | 25.5 | 25.0 | 24.6 | 24.2 | 23.9 | 24.0 | 24.0 | 24.1 | 24.1 | 23.9 |
| 90° | 0.5 | 1.4 | 2.5 | 3.5 | 4.4 | 5.6 | 6.9 | 8.2 | 9.5 | 10.9 | 11.2 |
| 92.5° | 10.9 | 11.6 | 12.3 | 13.0 | 13.7 | 14.4 | 15.1 | 15.8 | 16.6 | 17.3 | 17.7 |
| 95° | 26.7 | 27.3 | 28.0 | 28.8 | 29.5 | 30.3 | 31.1 | 31.8 | 32.6 | 33.4 | 33.8 |
| 97.5° | 47.4 | 47.8 | 48.4 | 49.0 | 49.4 | 50.0 | 50.5 | 51.2 | 51.7 | 52.4 | 52.8 |
| 100° | 61.5 | 62.0 | 62.7 | 63.3 | 63.8 | 64.4 | 64.9 | 65.4 | 65.9 | 66.4 | 66.7 |
| 102.5° | 77.7 | 78.1 | 78.4 | 78.8 | 79.1 | 79.7 | 80.3 | 81.0 | 81.7 | 82.3 | 82.6 |
| 105° | 101.6 | 101.9 | 102.0 | 102.3 | 102.5 | 103.0 | 103.9 | 104.8 | 105.8 | 106.6 | 106.6 |
| 107.5° | 129.5 | 129.6 | 129.8 | 129.8 | 130.0 | 130.2 | 130.6 | 130.9 | 131.3 | 131.7 | 132.0 |
| 110° | 146.9 | 147.0 | 147.3 | 147.4 | 147.7 | 147.8 | 148.1 | 148.3 | 148.5 | 148.7 | 149.1 |



TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 164.9 | 165.0 | 165.2 | 165.2 | 165.4 | 165.5 | 165.6 | 165.6 | 165.6 | 165.6 | 166.1 |
| 115° | 192.0 | 192.3 | 192.7 | 193.0 | 193.2 | 193.3 | 193.1 | 192.9 | 192.7 | 192.5 | 192.6 |
| 117.5° | 219.4 | 219.5 | 219.8 | 219.9 | 220.1 | 220.1 | 219.8 | 219.6 | 219.4 | 219.0 | 219.0 |
| 120° | 236.3 | 236.9 | 237.5 | 238.1 | 238.8 | 238.8 | 238.3 | 237.8 | 237.3 | 236.8 | 236.7 |
| 122.5° | 254.1 | 254.4 | 254.9 | 255.3 | 255.8 | 255.9 | 255.6 | 255.4 | 255.1 | 254.8 | 254.6 |
| 125° | 281.1 | 281.4 | 281.6 | 281.9 | 282.3 | 282.3 | 282.1 | 281.9 | 281.7 | 281.5 | 281.1 |
| 127.5° | 306.0 | 306.7 | 307.3 | 307.9 | 308.6 | 308.8 | 308.6 | 308.3 | 308.1 | 307.9 | 307.4 |
| 130° | 322.7 | 323.4 | 324.2 | 325.0 | 325.8 | 326.1 | 325.8 | 325.5 | 325.2 | 324.9 | 324.5 |
| 132.5° | 339.2 | 340.1 | 340.9 | 341.7 | 342.5 | 342.8 | 342.5 | 342.3 | 342.1 | 341.9 | 341.4 |
| 135° | 364.6 | 365.3 | 365.8 | 366.5 | 367.0 | 367.3 | 367.2 | 367.1 | 367.0 | 366.9 | 366.5 |
| 137.5° | 388.2 | 388.6 | 389.1 | 389.7 | 390.1 | 390.5 | 390.8 | 391.0 | 391.3 | 391.6 | 391.2 |
| 140° | 404.4 | 404.9 | 405.4 | 405.9 | 406.4 | 406.7 | 406.8 | 406.9 | 407.0 | 407.1 | 407.0 |
| 142.5° | 419.2 | 419.7 | 420.3 | 420.7 | 421.2 | 421.6 | 421.8 | 421.9 | 422.2 | 422.3 | 422.2 |
| 145° | 442.4 | 442.6 | 442.8 | 443.0 | 443.1 | 443.4 | 443.7 | 444.0 | 444.3 | 444.7 | 444.5 |
| 147.5° | 462.6 | 463.0 | 463.3 | 463.7 | 464.1 | 464.4 | 464.7 | 464.9 | 465.2 | 465.5 | 465.5 |
| 150° | 476.7 | 476.9 | 477.1 | 477.3 | 477.5 | 477.7 | 477.9 | 478.1 | 478.3 | 478.5 | 478.5 |
| 152.5° | 488.3 | 488.5 | 488.9 | 489.1 | 489.4 | 489.6 | 489.7 | 489.8 | 490.0 | 490.0 | 490.2 |
| 155° | 506.5 | 506.5 | 506.5 | 506.5 | 506.5 | 506.6 | 506.7 | 506.8 | 506.9 | 507.0 | 507.4 |
| 157.5° | 522.0 | 522.0 | 521.8 | 521.7 | 521.6 | 521.6 | 521.7 | 521.7 | 521.8 | 521.9 | 522.3 |
| 160° | 531.8 | 531.6 | 531.4 | 531.2 | 531.0 | 530.9 | 530.9 | 530.9 | 530.9 | 530.9 | 531.4 |
| 162.5° | 540.5 | 540.2 | 540.0 | 539.6 | 539.4 | 539.3 | 539.4 | 539.5 | 539.6 | 539.6 | 540.1 |
| 165° | 551.7 | 551.4 | 551.1 | 550.8 | 550.5 | 550.3 | 550.3 | 550.3 | 550.3 | 550.3 | 551.0 |
| 167.5° | 560.6 | 560.2 | 559.8 | 559.4 | 559.0 | 558.9 | 559.0 | 559.0 | 559.1 | 559.2 | 559.8 |
| 170° | 565.7 | 565.3 | 564.9 | 564.5 | 564.1 | 563.9 | 563.9 | 563.9 | 563.9 | 563.9 | 564.6 |
| 172.5° | 569.7 | 569.3 | 568.9 | 568.5 | 568.1 | 567.9 | 567.9 | 567.9 | 567.9 | 567.9 | 568.5 |
| 175° | 573.9 | 573.5 | 573.1 | 572.7 | 572.3 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.7 |
| 177.5° | 575.6 | 575.3 | 575.0 | 574.6 | 574.3 | 574.1 | 574.1 | 574.1 | 574.1 | 574.1 | 574.6 |
| 180° | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 |



TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 | 1448.2 |
| 2.5° | 1442.6 | 1444.9 | 1447.1 | 1448.1 | 1447.9 | 1447.6 | 1447.4 | 1447.2 |
| 5° | 1435.0 | 1437.8 | 1440.6 | 1441.7 | 1441.1 | 1440.6 | 1440.0 | 1439.5 |
| 7.5° | 1419.8 | 1422.3 | 1424.8 | 1425.8 | 1425.5 | 1425.2 | 1424.9 | 1424.6 |
| 10° | 1405.9 | 1408.3 | 1410.9 | 1411.8 | 1411.3 | 1410.7 | 1410.2 | 1409.6 |
| 12.5° | 1390.6 | 1392.4 | 1394.2 | 1395.0 | 1394.6 | 1394.3 | 1394.0 | 1393.7 |
| 15° | 1362.9 | 1365.2 | 1367.4 | 1367.7 | 1366.0 | 1364.4 | 1362.7 | 1361.0 |
| 17.5° | 1328.0 | 1329.6 | 1331.1 | 1331.6 | 1331.0 | 1330.4 | 1329.8 | 1329.2 |
| 20° | 1302.3 | 1303.4 | 1304.5 | 1304.6 | 1303.8 | 1302.9 | 1302.1 | 1301.2 |
| 22.5° | 1274.9 | 1275.8 | 1276.7 | 1276.6 | 1275.6 | 1274.5 | 1273.4 | 1272.4 |
| 25° | 1229.6 | 1229.9 | 1230.2 | 1229.9 | 1229.1 | 1228.2 | 1227.4 | 1226.5 |
| 27.5° | 1181.5 | 1181.6 | 1181.9 | 1181.5 | 1180.4 | 1179.3 | 1178.3 | 1177.3 |
| 30° | 1148.1 | 1148.1 | 1148.1 | 1147.2 | 1145.2 | 1143.3 | 1141.3 | 1139.4 |
| 32.5° | 1113.1 | 1111.6 | 1110.0 | 1108.7 | 1107.7 | 1106.6 | 1105.6 | 1104.5 |
| 35° | 1056.4 | 1054.7 | 1053.0 | 1051.5 | 1050.1 | 1048.8 | 1047.3 | 1046.0 |
| 37.5° | 997.7 | 995.7 | 993.7 | 992.3 | 991.3 | 990.5 | 989.6 | 988.7 |
| 40° | 959.4 | 957.2 | 955.0 | 953.3 | 952.2 | 951.1 | 950.0 | 948.9 |
| 42.5° | 919.6 | 917.3 | 915.1 | 913.5 | 912.4 | 911.2 | 910.1 | 909.0 |
| 45° | 860.1 | 856.7 | 853.4 | 851.0 | 849.7 | 848.3 | 846.9 | 845.5 |
| 47.5° | 797.4 | 794.2 | 790.8 | 788.6 | 787.4 | 786.2 | 785.0 | 783.8 |
| 50° | 756.0 | 753.0 | 749.9 | 747.6 | 745.9 | 744.3 | 742.6 | 740.9 |
| 52.5° | 714.1 | 711.5 | 708.8 | 706.7 | 705.0 | 703.4 | 701.7 | 700.1 |
| 55° | 650.1 | 647.1 | 644.0 | 641.8 | 640.5 | 639.1 | 637.7 | 636.3 |
| 57.5° | 587.3 | 584.6 | 581.9 | 579.7 | 578.1 | 576.6 | 574.9 | 573.3 |
| 60° | 543.0 | 540.4 | 538.0 | 536.0 | 534.6 | 533.2 | 531.9 | 530.4 |
| 62.5° | 500.1 | 497.6 | 495.1 | 493.4 | 492.4 | 491.5 | 490.6 | 489.6 |
| 65° | 436.4 | 434.2 | 432.0 | 430.5 | 429.6 | 428.8 | 427.9 | 427.1 |
| 67.5° | 373.2 | 371.2 | 369.3 | 367.7 | 366.6 | 365.4 | 364.2 | 363.1 |
| 70° | 332.3 | 330.4 | 328.4 | 326.8 | 325.4 | 324.0 | 322.7 | 321.3 |
| 72.5° | 291.0 | 289.2 | 287.5 | 286.3 | 285.6 | 284.9 | 284.2 | 283.4 |
| 75° | 231.3 | 230.0 | 228.5 | 227.4 | 226.6 | 225.8 | 225.0 | 224.1 |
| 77.5° | 175.7 | 174.8 | 173.8 | 173.3 | 173.3 | 173.3 | 173.3 | 173.3 |
| 80° | 140.1 | 139.9 | 139.6 | 139.5 | 139.5 | 139.5 | 139.5 | 139.5 |
| 82.5° | 107.8 | 107.3 | 106.9 | 106.5 | 106.2 | 106.1 | 105.8 | 105.6 |
| 85° | 61.2 | 60.6 | 60.0 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 87.5° | 23.8 | 23.7 | 23.5 | 23.4 | 23.5 | 23.5 | 23.6 | 23.6 |
| 90° | 11.6 | 12.0 | 12.4 | 12.8 | 13.0 | 13.2 | 13.4 | 13.5 |
| 92.5° | 18.0 | 18.3 | 18.6 | 18.8 | 18.6 | 18.5 | 18.4 | 18.2 |
| 95° | 34.2 | 34.6 | 35.0 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 97.5° | 53.2 | 53.7 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.2 |
| 100° | 67.0 | 67.3 | 67.7 | 67.9 | 68.0 | 68.3 | 68.4 | 68.7 |
| 102.5° | 82.9 | 83.3 | 83.5 | 83.7 | 83.7 | 83.6 | 83.6 | 83.5 |
| 105° | 106.6 | 106.6 | 106.6 | 106.7 | 106.9 | 107.1 | 107.3 | 107.6 |
| 107.5° | 132.3 | 132.6 | 132.9 | 133.1 | 132.9 | 132.8 | 132.7 | 132.6 |
| 110° | 149.5 | 149.9 | 150.3 | 150.4 | 150.2 | 150.0 | 149.8 | 149.6 |



TEST NUMBER: P332061-927

CATALOG NUMBER: S123DIP-S1165D585U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 166.6 | 167.1 | 167.5 | 167.8 | 167.8 | 167.7 | 167.7 | 167.6 |
| 115° | 192.7 | 192.8 | 192.9 | 192.9 | 192.8 | 192.7 | 192.6 | 192.5 |
| 117.5° | 219.0 | 219.0 | 219.0 | 218.8 | 218.6 | 218.2 | 218.0 | 217.7 |
| 120° | 236.5 | 236.5 | 236.4 | 236.2 | 236.0 | 235.8 | 235.6 | 235.4 |
| 122.5° | 254.3 | 254.1 | 253.8 | 253.5 | 253.3 | 252.9 | 252.7 | 252.4 |
| 125° | 280.7 | 280.3 | 279.9 | 279.5 | 279.1 | 278.7 | 278.3 | 277.9 |
| 127.5° | 306.7 | 306.2 | 305.6 | 305.1 | 304.7 | 304.2 | 303.7 | 303.2 |
| 130° | 324.1 | 323.7 | 323.3 | 322.7 | 322.0 | 321.3 | 320.6 | 319.9 |
| 132.5° | 340.9 | 340.4 | 339.9 | 339.5 | 338.9 | 338.3 | 337.8 | 337.2 |
| 135° | 366.1 | 365.7 | 365.3 | 365.0 | 364.8 | 364.6 | 364.4 | 364.2 |
| 137.5° | 390.7 | 390.3 | 389.9 | 389.5 | 389.1 | 388.7 | 388.3 | 387.9 |
| 140° | 406.9 | 406.8 | 406.7 | 406.3 | 405.6 | 404.9 | 404.2 | 403.5 |
| 142.5° | 422.1 | 422.0 | 421.9 | 421.6 | 421.0 | 420.5 | 419.9 | 419.4 |
| 145° | 444.4 | 444.3 | 444.3 | 443.9 | 443.5 | 443.1 | 442.8 | 442.4 |
| 147.5° | 465.5 | 465.5 | 465.5 | 465.2 | 464.6 | 464.0 | 463.4 | 462.8 |
| 150° | 478.5 | 478.5 | 478.5 | 478.2 | 477.6 | 477.0 | 476.4 | 475.8 |
| 152.5° | 490.4 | 490.6 | 490.8 | 490.5 | 490.0 | 489.5 | 489.0 | 488.5 |
| 155° | 507.8 | 508.2 | 508.6 | 508.4 | 507.7 | 507.0 | 506.4 | 505.6 |
| 157.5° | 522.8 | 523.2 | 523.6 | 523.5 | 522.9 | 522.4 | 521.8 | 521.3 |
| 160° | 532.0 | 532.4 | 532.9 | 533.0 | 532.6 | 532.2 | 531.8 | 531.4 |
| 162.5° | 540.6 | 541.1 | 541.6 | 541.5 | 540.9 | 540.3 | 539.6 | 539.0 |
| 165° | 551.6 | 552.2 | 552.8 | 552.7 | 552.0 | 551.3 | 550.6 | 549.9 |
| 167.5° | 560.5 | 561.1 | 561.7 | 561.7 | 561.1 | 560.5 | 559.8 | 559.2 |
| 170° | 565.3 | 566.0 | 566.7 | 566.7 | 566.0 | 565.3 | 564.6 | 563.9 |
| 172.5° | 569.1 | 569.7 | 570.4 | 570.4 | 569.7 | 568.9 | 568.2 | 567.5 |
| 175° | 573.2 | 573.9 | 574.5 | 574.4 | 573.7 | 573.0 | 572.3 | 571.6 |
| 177.5° | 575.1 | 575.6 | 576.1 | 576.0 | 575.4 | 574.9 | 574.3 | 573.8 |
| 180° | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 |

(END OF REPORT)