

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: P332015-927

Luminaire Tested: **S123DIP-S1000D585U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332015-927
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: S123DIP-S1000D585U927-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5119.1 lumens
Efficiency: N/A
Efficacy: 104.9 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

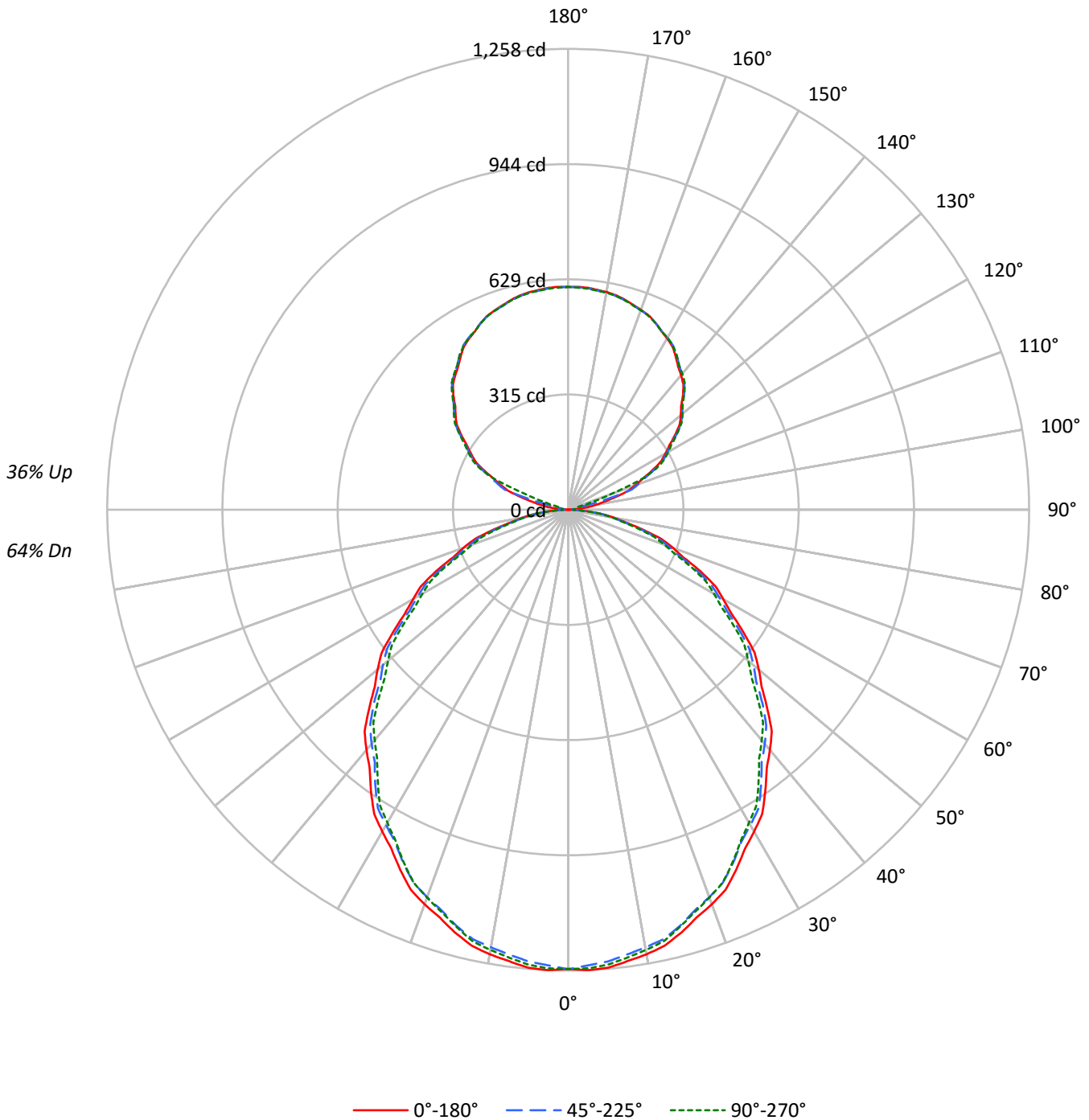
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-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 | 110 | 110 | 110 | 110 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | | 79 | 79 | 79 | | 69 | 69 | 69 | 64 |
| 1 | 101 | 96 | 92 | 89 | 94 | 91 | 87 | 84 | 80 | 77 | 75 | | 70 | 68 | 66 | | 61 | 59 | 58 | 54 |
| 2 | 92 | 84 | 78 | 72 | 86 | 79 | 74 | 69 | 70 | 66 | 62 | | 61 | 58 | 55 | | 53 | 51 | 49 | 45 |
| 3 | 84 | 74 | 66 | 60 | 78 | 70 | 63 | 58 | 62 | 56 | 52 | | 54 | 50 | 47 | | 47 | 44 | 41 | 38 |
| 4 | 77 | 65 | 57 | 51 | 72 | 62 | 54 | 49 | 55 | 49 | 44 | | 48 | 44 | 40 | | 42 | 39 | 36 | 32 |
| 5 | 70 | 58 | 50 | 44 | 66 | 55 | 48 | 42 | 49 | 43 | 38 | | 43 | 38 | 35 | | 38 | 34 | 31 | 28 |
| 6 | 65 | 52 | 44 | 38 | 61 | 50 | 42 | 37 | 44 | 38 | 33 | | 39 | 34 | 30 | | 35 | 31 | 27 | 25 |
| 7 | 60 | 47 | 39 | 34 | 56 | 45 | 37 | 32 | 40 | 34 | 30 | | 36 | 31 | 27 | | 32 | 27 | 24 | 22 |
| 8 | 56 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 37 | 31 | 26 | | 33 | 28 | 24 | | 29 | 25 | 22 | 20 |
| 9 | 52 | 39 | 32 | 27 | 49 | 37 | 30 | 26 | 34 | 28 | 24 | | 30 | 25 | 22 | | 27 | 23 | 20 | 18 |
| 10 | 49 | 36 | 29 | 24 | 46 | 35 | 28 | 23 | 31 | 25 | 21 | | 28 | 23 | 20 | | 25 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 13497 | 13497 | 13497 |
| 5° | 13560 | 13374 | 13467 |
| 10° | 13470 | 13258 | 13340 |
| 15° | 13312 | 13108 | 13133 |
| 20° | 13128 | 12893 | 12906 |
| 25° | 12883 | 12638 | 12613 |
| 30° | 12609 | 12356 | 12261 |
| 35° | 12326 | 12056 | 11901 |
| 40° | 12029 | 11726 | 11545 |
| 45° | 11702 | 11423 | 11144 |
| 50° | 11375 | 11050 | 10742 |
| 55° | 10946 | 10663 | 10340 |
| 60° | 10514 | 10213 | 9888 |
| 65° | 10132 | 9722 | 9419 |
| 70° | 9567 | 9161 | 8752 |
| 75° | 8742 | 8430 | 8072 |
| 80° | 7885 | 7550 | 7482 |
| 85° | 6928 | 6657 | 6385 |



TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 118.1 | 2.3 |
| 10°-20° | 333.5 | 6.5 |
| 20°-30° | 492.7 | 9.6 |
| 30°-40° | 575.5 | 11.2 |
| 40°-50° | 578.6 | 11.3 |
| 50°-60° | 508.2 | 9.9 |
| 60°-70° | 378.6 | 7.4 |
| 70°-80° | 215.7 | 4.2 |
| 80°-90° | 63.6 | 1.2 |
| 90°-100° | 22.1 | 0.4 |
| 100°-110° | 105.4 | 2.1 |
| 110°-120° | 253.1 | 4.9 |
| 120°-130° | 322.3 | 6.3 |
| 130°-140° | 344.4 | 6.7 |
| 140°-150° | 322.0 | 6.3 |
| 150°-160° | 259.8 | 5.1 |
| 160°-170° | 167.7 | 3.3 |
| 170°-180° | 57.8 | 1.1 |
| 0°-30° | 944.3 | 18.4 |
| 0°-40° | 1519.8 | 29.7 |
| 0°-60° | 2606.6 | 50.9 |
| 0°-90° | 3264.5 | 63.8 |
| 90°-120° | 380.6 | 7.4 |
| 90°-150° | 1369.4 | 26.8 |
| 90°-180° | 1855.0 | 36.2 |
| 0°-180° | 5119.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1254 | 1254 | 1254 | 1254 | 1254 | |
| 5° | 1255 | 1249 | 1238 | 1248 | 1246 | 119 |
| 15° | 1195 | 1190 | 1176 | 1184 | 1178 | 337 |
| 25° | 1085 | 1078 | 1064 | 1065 | 1062 | 499 |
| 35° | 938 | 931 | 918 | 911 | 906 | 587 |
| 45° | 769 | 764 | 750 | 738 | 732 | 593 |
| 55° | 583 | 582 | 568 | 557 | 551 | 522 |
| 65° | 398 | 392 | 382 | 373 | 370 | 392 |
| 75° | 210 | 206 | 203 | 197 | 194 | 225 |
| 85° | 56 | 54 | 54 | 52 | 52 | 62 |
| 90° | 0 | 5 | 11 | 13 | 14 | 4 |
| 95° | 28 | 10 | 14 | 17 | 17 | 34 |
| 105° | 135 | 137 | 99 | 24 | 20 | 143 |
| 115° | 252 | 255 | 259 | 264 | 266 | 249 |
| 125° | 356 | 360 | 362 | 362 | 363 | 318 |
| 135° | 443 | 446 | 448 | 449 | 448 | 341 |
| 145° | 511 | 515 | 516 | 516 | 516 | 320 |
| 155° | 563 | 563 | 563 | 565 | 562 | 259 |
| 165° | 594 | 593 | 592 | 596 | 593 | 168 |
| 175° | 608 | 606 | 606 | 609 | 606 | 58 |
| 180° | 608 | 608 | 608 | 608 | 608 | |



TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 |
| 2.5° | 1258.2 | 1257.5 | 1256.7 | 1255.9 | 1255.2 | 1253.7 | 1251.6 | 1249.5 | 1247.4 | 1245.3 | 1247.2 |
| 5° | 1255.0 | 1253.8 | 1252.6 | 1251.4 | 1250.2 | 1248.3 | 1245.7 | 1243.0 | 1240.4 | 1237.8 | 1240.2 |
| 7.5° | 1242.7 | 1241.5 | 1240.3 | 1239.1 | 1237.9 | 1236.0 | 1233.3 | 1230.5 | 1227.8 | 1225.0 | 1227.2 |
| 10° | 1232.4 | 1231.2 | 1229.9 | 1228.8 | 1227.6 | 1225.4 | 1222.3 | 1219.2 | 1216.1 | 1213.0 | 1215.1 |
| 12.5° | 1218.5 | 1217.6 | 1216.6 | 1215.5 | 1214.6 | 1212.6 | 1209.7 | 1206.7 | 1203.8 | 1200.9 | 1202.5 |
| 15° | 1194.6 | 1193.7 | 1192.7 | 1191.8 | 1190.8 | 1188.7 | 1185.7 | 1182.6 | 1179.4 | 1176.3 | 1178.2 |
| 17.5° | 1166.8 | 1165.5 | 1164.3 | 1163.1 | 1161.8 | 1159.7 | 1156.5 | 1153.4 | 1150.3 | 1147.2 | 1148.5 |
| 20° | 1146.1 | 1144.7 | 1143.3 | 1141.8 | 1140.3 | 1138.0 | 1135.0 | 1131.9 | 1128.8 | 1125.6 | 1126.6 |
| 22.5° | 1122.8 | 1121.4 | 1120.0 | 1118.5 | 1117.1 | 1114.8 | 1111.7 | 1108.6 | 1105.5 | 1102.3 | 1103.1 |
| 25° | 1084.7 | 1083.2 | 1081.8 | 1080.4 | 1078.9 | 1076.7 | 1073.5 | 1070.4 | 1067.3 | 1064.1 | 1064.4 |
| 27.5° | 1043.9 | 1042.5 | 1041.1 | 1039.7 | 1038.3 | 1035.9 | 1032.6 | 1029.3 | 1025.9 | 1022.5 | 1022.7 |
| 30° | 1014.5 | 1013.4 | 1012.2 | 1011.0 | 1009.8 | 1007.5 | 1004.2 | 1000.8 | 997.4 | 994.1 | 994.1 |
| 32.5° | 985.2 | 983.7 | 982.1 | 980.5 | 978.9 | 976.8 | 974.2 | 971.7 | 969.1 | 966.5 | 965.1 |
| 35° | 938.0 | 936.6 | 935.2 | 933.7 | 932.2 | 930.0 | 926.9 | 923.8 | 920.7 | 917.5 | 916.1 |
| 37.5° | 889.7 | 887.9 | 886.1 | 884.2 | 882.4 | 880.0 | 876.8 | 873.6 | 870.4 | 867.3 | 865.5 |
| 40° | 856.1 | 854.6 | 853.2 | 851.8 | 850.3 | 848.0 | 844.5 | 841.2 | 837.9 | 834.5 | 832.6 |
| 42.5° | 822.4 | 820.8 | 819.2 | 817.5 | 815.9 | 813.4 | 810.1 | 806.8 | 803.4 | 800.0 | 798.1 |
| 45° | 768.7 | 767.8 | 766.8 | 765.9 | 764.9 | 762.9 | 759.8 | 756.6 | 753.5 | 750.4 | 747.6 |
| 47.5° | 715.5 | 714.1 | 712.7 | 711.3 | 710.0 | 707.7 | 704.9 | 702.0 | 699.0 | 696.1 | 693.2 |
| 50° | 679.3 | 678.0 | 676.8 | 675.7 | 674.5 | 672.3 | 669.2 | 666.1 | 663.0 | 659.9 | 657.2 |
| 52.5° | 641.3 | 640.5 | 639.7 | 638.9 | 638.0 | 636.0 | 632.7 | 629.4 | 626.1 | 622.7 | 620.5 |
| 55° | 583.3 | 583.0 | 582.8 | 582.6 | 582.3 | 580.7 | 577.6 | 574.4 | 571.3 | 568.2 | 565.5 |
| 57.5° | 528.1 | 527.3 | 526.5 | 525.7 | 524.8 | 523.2 | 520.7 | 518.2 | 515.7 | 513.3 | 510.9 |
| 60° | 488.4 | 488.1 | 487.9 | 487.7 | 487.4 | 485.9 | 483.0 | 480.1 | 477.3 | 474.4 | 472.2 |
| 62.5° | 453.0 | 452.4 | 451.8 | 451.1 | 450.6 | 448.9 | 445.9 | 443.1 | 440.2 | 437.3 | 435.1 |
| 65° | 397.8 | 396.6 | 395.5 | 394.3 | 393.1 | 391.3 | 388.9 | 386.5 | 384.0 | 381.7 | 379.8 |
| 67.5° | 339.5 | 338.3 | 337.3 | 336.3 | 335.2 | 333.7 | 331.9 | 330.1 | 328.3 | 326.5 | 324.8 |
| 70° | 304.0 | 302.6 | 301.2 | 299.8 | 298.3 | 296.8 | 295.4 | 294.0 | 292.6 | 291.1 | 289.5 |
| 72.5° | 267.0 | 265.9 | 264.8 | 263.8 | 262.8 | 261.4 | 259.8 | 258.2 | 256.5 | 254.8 | 253.4 |
| 75° | 210.2 | 209.3 | 208.3 | 207.4 | 206.4 | 205.6 | 204.9 | 204.1 | 203.4 | 202.7 | 201.5 |
| 77.5° | 160.0 | 159.5 | 158.9 | 158.4 | 157.9 | 157.2 | 156.4 | 155.5 | 154.6 | 153.8 | 153.0 |
| 80° | 127.2 | 126.5 | 125.8 | 125.1 | 124.4 | 123.7 | 123.3 | 122.8 | 122.3 | 121.8 | 121.6 |
| 82.5° | 95.3 | 95.1 | 95.1 | 94.9 | 94.7 | 94.6 | 94.5 | 94.4 | 94.3 | 94.3 | 93.8 |
| 85° | 56.1 | 55.6 | 55.1 | 54.7 | 54.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.4 |
| 87.5° | 22.5 | 22.2 | 21.8 | 21.4 | 21.0 | 20.8 | 20.9 | 21.0 | 21.1 | 21.2 | 21.1 |
| 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° | 8.4 | 8.2 | 7.8 | 7.5 | 7.3 | 7.6 | 8.6 | 9.6 | 10.6 | 11.6 | 12.2 |
| 95° | 27.6 | 23.4 | 19.3 | 15.2 | 11.1 | 9.6 | 10.7 | 11.8 | 12.9 | 14.0 | 14.7 |
| 97.5° | 55.4 | 53.6 | 51.7 | 49.8 | 48.0 | 43.5 | 36.2 | 29.0 | 21.8 | 14.6 | 15.4 |
| 100° | 76.4 | 78.3 | 80.4 | 82.4 | 84.4 | 77.6 | 61.9 | 46.3 | 30.6 | 14.9 | 15.7 |
| 102.5° | 100.2 | 101.6 | 103.1 | 104.6 | 106.0 | 98.2 | 81.0 | 63.9 | 46.8 | 29.7 | 27.3 |
| 105° | 134.7 | 135.8 | 136.9 | 137.9 | 139.0 | 135.1 | 126.0 | 117.0 | 108.0 | 98.9 | 81.2 |
| 107.5° | 171.0 | 171.8 | 172.8 | 173.6 | 174.5 | 175.6 | 177.1 | 178.5 | 179.9 | 181.3 | 168.3 |
| 110° | 195.2 | 196.0 | 196.8 | 197.6 | 198.4 | 199.4 | 200.4 | 201.5 | 202.6 | 203.7 | 200.4 |



TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 218.3 | 219.0 | 219.8 | 220.5 | 221.2 | 222.1 | 223.2 | 224.3 | 225.5 | 226.6 | 226.6 |
| 115° | 252.5 | 253.2 | 253.7 | 254.4 | 255.0 | 255.7 | 256.7 | 257.5 | 258.4 | 259.4 | 260.4 |
| 117.5° | 285.7 | 286.5 | 287.2 | 288.0 | 288.7 | 289.3 | 289.8 | 290.3 | 290.7 | 291.1 | 292.0 |
| 120° | 306.3 | 307.2 | 308.2 | 309.0 | 310.0 | 310.5 | 310.9 | 311.2 | 311.5 | 311.7 | 312.6 |
| 122.5° | 327.3 | 328.0 | 328.8 | 329.5 | 330.3 | 330.8 | 331.2 | 331.6 | 332.0 | 332.4 | 333.0 |
| 125° | 356.0 | 356.9 | 357.7 | 358.5 | 359.3 | 359.9 | 360.3 | 360.7 | 361.1 | 361.5 | 361.6 |
| 127.5° | 383.9 | 384.7 | 385.5 | 386.3 | 387.1 | 387.7 | 388.2 | 388.7 | 389.2 | 389.7 | 390.0 |
| 130° | 401.2 | 402.0 | 402.8 | 403.6 | 404.4 | 405.0 | 405.4 | 405.8 | 406.2 | 406.6 | 407.0 |
| 132.5° | 417.9 | 418.7 | 419.5 | 420.3 | 421.0 | 421.6 | 421.9 | 422.2 | 422.6 | 422.9 | 423.3 |
| 135° | 443.2 | 443.9 | 444.4 | 445.0 | 445.7 | 446.2 | 446.6 | 446.9 | 447.3 | 447.7 | 448.1 |
| 137.5° | 464.9 | 465.7 | 466.4 | 467.2 | 467.9 | 468.5 | 468.7 | 468.9 | 469.1 | 469.4 | 469.8 |
| 140° | 479.3 | 480.0 | 480.6 | 481.2 | 481.8 | 482.3 | 482.5 | 482.8 | 483.2 | 483.5 | 483.9 |
| 142.5° | 492.7 | 493.4 | 494.0 | 494.6 | 495.2 | 495.6 | 495.9 | 496.2 | 496.5 | 496.9 | 497.2 |
| 145° | 511.4 | 512.1 | 512.9 | 513.6 | 514.3 | 514.8 | 514.9 | 515.2 | 515.3 | 515.6 | 515.7 |
| 147.5° | 529.1 | 529.6 | 530.0 | 530.4 | 530.9 | 531.2 | 531.5 | 531.6 | 531.9 | 532.1 | 532.3 |
| 150° | 540.0 | 540.3 | 540.5 | 540.8 | 541.1 | 541.4 | 541.6 | 541.8 | 542.0 | 542.2 | 542.4 |
| 152.5° | 549.7 | 549.9 | 549.9 | 550.1 | 550.2 | 550.4 | 550.5 | 550.6 | 550.7 | 550.9 | 551.2 |
| 155° | 563.4 | 563.2 | 563.0 | 562.8 | 562.6 | 562.6 | 562.7 | 562.8 | 562.8 | 563.0 | 563.5 |
| 157.5° | 574.1 | 574.1 | 574.0 | 574.0 | 574.0 | 573.9 | 573.9 | 573.8 | 573.6 | 573.5 | 574.2 |
| 160° | 580.6 | 580.5 | 580.4 | 580.3 | 580.2 | 580.1 | 580.0 | 579.9 | 579.8 | 579.7 | 580.3 |
| 162.5° | 586.8 | 586.5 | 586.2 | 586.0 | 585.7 | 585.5 | 585.4 | 585.3 | 585.2 | 585.1 | 585.8 |
| 165° | 594.1 | 593.8 | 593.6 | 593.3 | 592.9 | 592.7 | 592.6 | 592.6 | 592.5 | 592.3 | 593.2 |
| 167.5° | 599.9 | 599.5 | 599.1 | 598.7 | 598.3 | 598.1 | 598.1 | 598.1 | 598.1 | 598.1 | 599.0 |
| 170° | 603.2 | 602.8 | 602.4 | 602.0 | 601.6 | 601.3 | 601.3 | 601.3 | 601.3 | 601.3 | 602.2 |
| 172.5° | 605.4 | 604.9 | 604.4 | 603.9 | 603.4 | 603.2 | 603.3 | 603.4 | 603.5 | 603.6 | 604.4 |
| 175° | 608.2 | 607.7 | 607.1 | 606.7 | 606.2 | 605.9 | 606.0 | 606.2 | 606.3 | 606.3 | 607.0 |
| 177.5° | 608.9 | 608.5 | 608.1 | 607.7 | 607.3 | 607.1 | 607.2 | 607.3 | 607.4 | 607.4 | 608.1 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |



TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 | 1253.9 |
| 2.5° | 1249.1 | 1251.1 | 1253.0 | 1253.9 | 1253.6 | 1253.5 | 1253.2 | 1253.1 |
| 5° | 1242.5 | 1244.9 | 1247.4 | 1248.3 | 1247.8 | 1247.4 | 1246.9 | 1246.4 |
| 7.5° | 1229.4 | 1231.5 | 1233.7 | 1234.6 | 1234.3 | 1234.1 | 1233.7 | 1233.4 |
| 10° | 1217.3 | 1219.4 | 1221.6 | 1222.4 | 1221.9 | 1221.5 | 1221.0 | 1220.5 |
| 12.5° | 1204.0 | 1205.6 | 1207.2 | 1207.8 | 1207.6 | 1207.3 | 1207.0 | 1206.7 |
| 15° | 1180.1 | 1182.0 | 1184.0 | 1184.2 | 1182.8 | 1181.3 | 1179.9 | 1178.5 |
| 17.5° | 1149.9 | 1151.2 | 1152.5 | 1152.9 | 1152.5 | 1151.9 | 1151.4 | 1150.9 |
| 20° | 1127.5 | 1128.5 | 1129.5 | 1129.6 | 1128.9 | 1128.1 | 1127.4 | 1126.7 |
| 22.5° | 1103.9 | 1104.6 | 1105.4 | 1105.3 | 1104.5 | 1103.5 | 1102.6 | 1101.7 |
| 25° | 1064.6 | 1064.9 | 1065.2 | 1064.9 | 1064.1 | 1063.4 | 1062.7 | 1062.0 |
| 27.5° | 1022.9 | 1023.1 | 1023.3 | 1022.9 | 1022.1 | 1021.1 | 1020.3 | 1019.3 |
| 30° | 994.1 | 994.1 | 994.1 | 993.2 | 991.6 | 989.9 | 988.2 | 986.5 |
| 32.5° | 963.8 | 962.5 | 961.2 | 960.0 | 959.1 | 958.1 | 957.3 | 956.3 |
| 35° | 914.7 | 913.2 | 911.8 | 910.5 | 909.3 | 908.1 | 906.9 | 905.7 |
| 37.5° | 863.9 | 862.1 | 860.4 | 859.1 | 858.4 | 857.6 | 856.8 | 856.1 |
| 40° | 830.7 | 828.8 | 826.9 | 825.4 | 824.4 | 823.5 | 822.5 | 821.6 |
| 42.5° | 796.1 | 794.2 | 792.3 | 790.9 | 790.0 | 789.0 | 788.1 | 787.1 |
| 45° | 744.7 | 741.8 | 738.9 | 736.9 | 735.7 | 734.5 | 733.3 | 732.1 |
| 47.5° | 690.4 | 687.6 | 684.8 | 682.9 | 681.8 | 680.7 | 679.7 | 678.6 |
| 50° | 654.6 | 652.0 | 649.3 | 647.3 | 645.9 | 644.4 | 642.9 | 641.5 |
| 52.5° | 618.2 | 616.0 | 613.8 | 611.9 | 610.5 | 609.0 | 607.6 | 606.2 |
| 55° | 562.9 | 560.3 | 557.7 | 555.7 | 554.5 | 553.3 | 552.2 | 551.0 |
| 57.5° | 508.5 | 506.2 | 503.8 | 501.9 | 500.6 | 499.2 | 497.8 | 496.4 |
| 60° | 470.1 | 467.9 | 465.8 | 464.1 | 462.9 | 461.7 | 460.5 | 459.3 |
| 62.5° | 433.0 | 430.9 | 428.6 | 427.2 | 426.4 | 425.6 | 424.8 | 424.0 |
| 65° | 377.9 | 375.9 | 374.0 | 372.7 | 372.0 | 371.3 | 370.5 | 369.8 |
| 67.5° | 323.1 | 321.5 | 319.8 | 318.5 | 317.4 | 316.4 | 315.4 | 314.4 |
| 70° | 287.7 | 286.1 | 284.4 | 283.0 | 281.8 | 280.6 | 279.4 | 278.1 |
| 72.5° | 251.9 | 250.4 | 248.9 | 247.9 | 247.2 | 246.6 | 246.1 | 245.4 |
| 75° | 200.3 | 199.1 | 197.9 | 196.9 | 196.2 | 195.5 | 194.8 | 194.1 |
| 77.5° | 152.1 | 151.3 | 150.5 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| 80° | 121.4 | 121.1 | 120.9 | 120.7 | 120.7 | 120.7 | 120.7 | 120.7 |
| 82.5° | 93.4 | 92.9 | 92.5 | 92.2 | 92.0 | 91.8 | 91.7 | 91.4 |
| 85° | 52.9 | 52.4 | 52.0 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 87.5° | 20.9 | 20.8 | 20.7 | 20.7 | 20.7 | 20.8 | 20.8 | 20.8 |
| 90° | 11.6 | 12.0 | 12.4 | 12.8 | 13.0 | 13.2 | 13.4 | 13.5 |
| 92.5° | 12.8 | 13.5 | 14.1 | 14.5 | 14.7 | 14.7 | 14.9 | 15.0 |
| 95° | 15.4 | 16.1 | 16.8 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 97.5° | 16.2 | 17.0 | 17.7 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 |
| 100° | 16.5 | 17.3 | 18.1 | 18.5 | 18.7 | 18.8 | 18.9 | 19.0 |
| 102.5° | 24.7 | 22.3 | 19.8 | 18.6 | 18.8 | 19.0 | 19.2 | 19.3 |
| 105° | 63.4 | 45.6 | 27.9 | 19.1 | 19.3 | 19.5 | 19.6 | 19.9 |
| 107.5° | 155.3 | 142.3 | 129.2 | 116.1 | 102.6 | 89.2 | 75.8 | 62.4 |
| 110° | 197.2 | 193.8 | 190.5 | 181.6 | 167.3 | 153.0 | 138.6 | 124.2 |



TEST NUMBER: P332015-927

CATALOG NUMBER: S123DIP-S1000D585U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 226.6 | 226.7 | 226.8 | 225.3 | 222.3 | 219.2 | 216.2 | 213.2 |
| 115° | 261.3 | 262.4 | 263.4 | 264.0 | 264.4 | 264.9 | 265.3 | 265.7 |
| 117.5° | 292.8 | 293.6 | 294.4 | 294.9 | 294.9 | 295.0 | 295.1 | 295.2 |
| 120° | 313.4 | 314.2 | 315.0 | 315.4 | 315.4 | 315.4 | 315.4 | 315.4 |
| 122.5° | 333.5 | 334.1 | 334.6 | 334.9 | 335.0 | 335.1 | 335.2 | 335.3 |
| 125° | 361.9 | 362.0 | 362.3 | 362.5 | 362.7 | 362.9 | 363.1 | 363.3 |
| 127.5° | 390.3 | 390.6 | 390.9 | 391.0 | 390.8 | 390.6 | 390.4 | 390.2 |
| 130° | 407.4 | 407.8 | 408.2 | 408.4 | 408.1 | 408.0 | 407.7 | 407.6 |
| 132.5° | 423.7 | 424.1 | 424.5 | 424.6 | 424.3 | 424.0 | 423.7 | 423.4 |
| 135° | 448.4 | 448.7 | 448.9 | 448.9 | 448.7 | 448.4 | 448.1 | 447.7 |
| 137.5° | 470.3 | 470.8 | 471.3 | 471.4 | 471.2 | 471.0 | 470.8 | 470.6 |
| 140° | 484.3 | 484.7 | 485.1 | 485.1 | 485.0 | 484.7 | 484.6 | 484.3 |
| 142.5° | 497.5 | 497.8 | 498.1 | 498.1 | 497.9 | 497.6 | 497.3 | 497.0 |
| 145° | 515.9 | 516.1 | 516.3 | 516.4 | 516.4 | 516.4 | 516.4 | 516.4 |
| 147.5° | 532.5 | 532.7 | 532.9 | 532.7 | 532.3 | 531.8 | 531.4 | 530.9 |
| 150° | 542.6 | 542.8 | 543.0 | 543.0 | 542.6 | 542.3 | 542.0 | 541.8 |
| 152.5° | 551.6 | 551.9 | 552.3 | 552.2 | 551.8 | 551.4 | 550.9 | 550.4 |
| 155° | 564.0 | 564.5 | 565.0 | 564.9 | 564.4 | 563.7 | 563.2 | 562.5 |
| 157.5° | 574.7 | 575.4 | 576.0 | 575.8 | 575.0 | 574.3 | 573.5 | 572.7 |
| 160° | 580.9 | 581.5 | 582.1 | 582.0 | 581.4 | 580.7 | 580.0 | 579.2 |
| 162.5° | 586.5 | 587.2 | 587.9 | 587.9 | 587.2 | 586.6 | 586.0 | 585.4 |
| 165° | 594.0 | 594.8 | 595.6 | 595.6 | 594.9 | 594.2 | 593.5 | 592.8 |
| 167.5° | 599.8 | 600.6 | 601.3 | 601.3 | 600.6 | 599.8 | 599.0 | 598.1 |
| 170° | 603.0 | 603.8 | 604.6 | 604.6 | 603.8 | 603.0 | 602.2 | 601.3 |
| 172.5° | 605.1 | 605.9 | 606.7 | 606.7 | 605.9 | 605.0 | 604.0 | 603.2 |
| 175° | 607.8 | 608.5 | 609.2 | 609.1 | 608.3 | 607.5 | 606.7 | 605.9 |
| 177.5° | 608.7 | 609.3 | 610.0 | 609.9 | 609.1 | 608.3 | 607.5 | 606.7 |
| 180° | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 | 608.2 |

(END OF REPORT)