

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: P332341-930

Luminaire Tested: **S123RDIP-S1000D585U930-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332341-930
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: S123RDIP-S1000D585U930-4F0-1E-UDD-F4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4821.0 lumens
Efficiency: N/A
Efficacy: 98.8 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

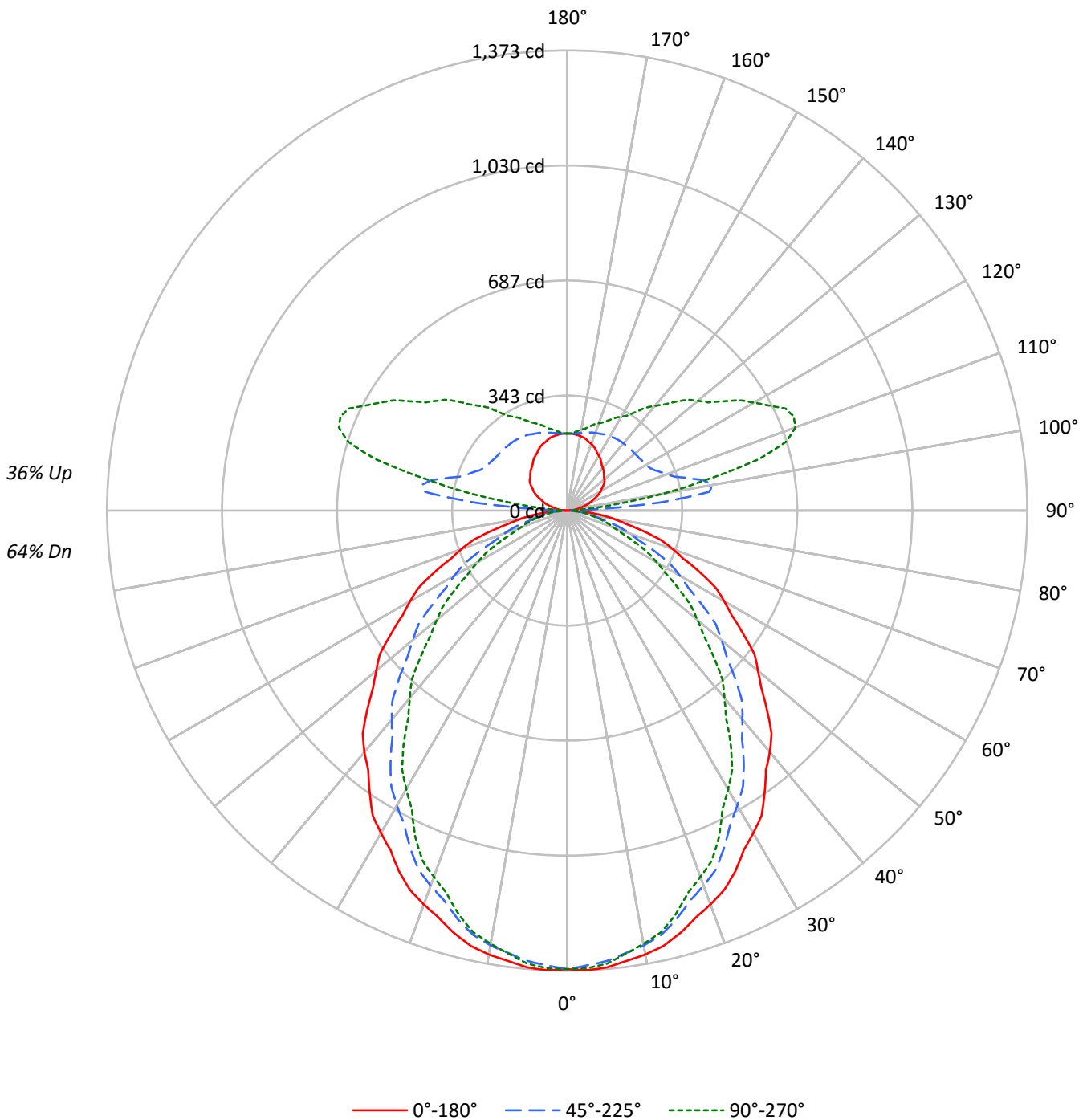
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR | | | | | | | | | | | | | | | | | |
| 0 | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 69 | 69 | 69 |
| 1 | 101 | 97 | 93 | 90 | 95 | 91 | 88 | 85 | 81 | 78 | 76 | 71 | 69 | 67 | 62 | 60 | 59 |
| 2 | 93 | 85 | 79 | 74 | 87 | 80 | 75 | 70 | 71 | 67 | 64 | 63 | 60 | 57 | 55 | 53 | 51 |
| 3 | 85 | 75 | 68 | 62 | 79 | 71 | 65 | 59 | 63 | 58 | 54 | 56 | 52 | 49 | 49 | 46 | 43 |
| 4 | 78 | 67 | 59 | 53 | 73 | 63 | 56 | 51 | 56 | 51 | 46 | 50 | 46 | 42 | 44 | 41 | 38 |
| 5 | 72 | 60 | 52 | 46 | 67 | 57 | 49 | 44 | 51 | 45 | 40 | 45 | 40 | 37 | 40 | 36 | 33 |
| 6 | 66 | 54 | 46 | 40 | 62 | 51 | 44 | 38 | 46 | 40 | 35 | 41 | 36 | 32 | 36 | 32 | 29 |
| 7 | 61 | 49 | 41 | 35 | 58 | 47 | 39 | 34 | 42 | 36 | 31 | 37 | 32 | 29 | 33 | 29 | 26 |
| 8 | 57 | 45 | 37 | 31 | 54 | 42 | 35 | 30 | 38 | 32 | 28 | 34 | 29 | 26 | 31 | 27 | 24 |
| 9 | 53 | 41 | 33 | 28 | 50 | 39 | 32 | 27 | 35 | 29 | 25 | 32 | 27 | 23 | 28 | 24 | 21 |
| 10 | 50 | 38 | 30 | 26 | 47 | 36 | 29 | 25 | 33 | 27 | 23 | 29 | 25 | 21 | 26 | 22 | 20 |

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: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.5 | 2.7 |
| 10°-20° | 357.5 | 7.4 |
| 20°-30° | 514.7 | 10.7 |
| 30°-40° | 579.8 | 12.0 |
| 40°-50° | 554.7 | 11.5 |
| 50°-60° | 454.2 | 9.4 |
| 60°-70° | 306.5 | 6.4 |
| 70°-80° | 154.2 | 3.2 |
| 80°-90° | 42.6 | 0.9 |
| 90°-100° | 127.8 | 2.7 |
| 100°-110° | 362.0 | 7.5 |
| 110°-120° | 356.1 | 7.4 |
| 120°-130° | 284.0 | 5.9 |
| 130°-140° | 224.0 | 4.6 |
| 140°-150° | 167.1 | 3.5 |
| 150°-160° | 116.5 | 2.4 |
| 160°-170° | 68.4 | 1.4 |
| 170°-180° | 22.3 | 0.5 |
| 0°-30° | 1000.7 | 20.8 |
| 0°-40° | 1580.5 | 32.8 |
| 0°-60° | 2589.5 | 53.7 |
| 0°-90° | 3092.7 | 64.2 |
| 90°-120° | 846.0 | 17.5 |
| 90°-150° | 1521.1 | 31.6 |
| 90°-180° | 1728.0 | 35.8 |
| 0°-180° | 4821.0 | 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 | 6 | 12 | 13 | 14 | 4 |
| 95° | 16 | 51 | 276 | 80 | 54 | 17 |
| 105° | 54 | 80 | 374 | 654 | 592 | 57 |
| 115° | 95 | 119 | 286 | 627 | 719 | 94 |
| 125° | 133 | 156 | 267 | 484 | 567 | 118 |
| 135° | 155 | 185 | 263 | 398 | 460 | 120 |
| 145° | 177 | 203 | 260 | 327 | 360 | 111 |
| 155° | 201 | 217 | 252 | 286 | 298 | 93 |
| 165° | 220 | 226 | 241 | 256 | 260 | 62 |
| 175° | 229 | 230 | 231 | 234 | 234 | 22 |
| 180° | 230 | 230 | 230 | 230 | 230 | |



TEST NUMBER: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

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 | 19.5 | 17.5 | 15.7 | 13.6 | 12.7 | 13.0 | 13.3 | 13.6 | 13.9 | 13.6 |
| 90° | 0.9 | 1.9 | 2.8 | 4.2 | 5.1 | 6.0 | 7.4 | 8.8 | 10.2 | 11.7 | 11.2 |
| 92.5° | 5.8 | 8.6 | 12.5 | 16.1 | 20.0 | 26.9 | 39.1 | 59.0 | 78.7 | 71.5 | 54.0 |
| 95° | 15.8 | 17.2 | 22.3 | 30.2 | 42.3 | 60.4 | 100.0 | 169.3 | 245.6 | 275.7 | 223.6 |
| 97.5° | 27.0 | 27.5 | 31.5 | 38.3 | 50.2 | 69.9 | 107.6 | 185.7 | 312.8 | 427.4 | 457.2 |
| 100° | 34.4 | 34.9 | 38.2 | 44.7 | 55.8 | 73.9 | 106.5 | 175.3 | 297.6 | 440.3 | 532.0 |
| 102.5° | 42.2 | 43.0 | 46.0 | 52.1 | 62.1 | 78.8 | 107.9 | 166.4 | 275.3 | 416.2 | 535.7 |
| 105° | 54.0 | 55.4 | 58.1 | 63.7 | 72.6 | 87.0 | 112.1 | 160.0 | 247.9 | 373.9 | 507.4 |
| 107.5° | 66.4 | 67.8 | 70.5 | 76.0 | 84.3 | 97.7 | 119.7 | 159.5 | 230.4 | 336.5 | 457.7 |
| 110° | 75.3 | 76.7 | 79.1 | 84.1 | 92.0 | 105.1 | 126.0 | 161.3 | 223.6 | 315.3 | 426.4 |



TEST NUMBER: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 83.5 | 85.0 | 87.2 | 92.4 | 100.3 | 112.9 | 132.3 | 165.1 | 220.0 | 301.2 | 399.3 |
| 115° | 95.3 | 97.2 | 100.0 | 104.6 | 112.5 | 125.1 | 142.8 | 171.1 | 218.6 | 286.0 | 366.5 |
| 117.5° | 107.1 | 109.3 | 111.6 | 115.9 | 124.7 | 136.3 | 153.8 | 179.1 | 219.4 | 277.0 | 346.7 |
| 120° | 115.4 | 116.8 | 119.0 | 123.7 | 132.6 | 144.1 | 160.9 | 185.1 | 220.9 | 273.0 | 336.2 |
| 122.5° | 122.4 | 123.8 | 126.1 | 131.1 | 139.6 | 152.0 | 168.4 | 190.7 | 223.5 | 270.4 | 327.7 |
| 125° | 132.6 | 133.5 | 136.2 | 141.4 | 150.2 | 162.7 | 179.0 | 199.5 | 227.4 | 266.9 | 316.7 |
| 127.5° | 140.2 | 141.6 | 145.1 | 150.3 | 160.0 | 172.6 | 188.3 | 206.8 | 231.9 | 265.2 | 307.0 |
| 130° | 145.1 | 146.5 | 150.7 | 156.2 | 166.0 | 178.6 | 193.9 | 211.6 | 234.8 | 264.2 | 301.8 |
| 132.5° | 148.8 | 150.6 | 155.2 | 161.8 | 171.6 | 183.8 | 198.8 | 216.1 | 237.1 | 263.7 | 296.9 |
| 135° | 155.3 | 157.2 | 162.3 | 169.3 | 179.0 | 191.6 | 206.0 | 221.8 | 240.4 | 263.2 | 290.7 |
| 137.5° | 161.4 | 163.4 | 168.4 | 175.9 | 185.6 | 197.1 | 211.0 | 226.1 | 242.6 | 262.2 | 285.2 |
| 140° | 165.6 | 167.9 | 172.5 | 179.9 | 189.2 | 200.9 | 214.3 | 228.4 | 244.1 | 261.8 | 281.8 |
| 142.5° | 170.0 | 171.9 | 177.0 | 183.7 | 193.0 | 203.9 | 217.0 | 230.6 | 245.2 | 261.1 | 278.8 |
| 145° | 177.2 | 178.6 | 182.8 | 189.7 | 197.6 | 208.3 | 220.5 | 233.0 | 246.0 | 259.9 | 274.8 |
| 147.5° | 184.4 | 185.2 | 189.4 | 195.4 | 203.0 | 212.1 | 223.2 | 234.5 | 246.0 | 258.2 | 270.9 |
| 150° | 189.2 | 189.7 | 193.5 | 199.5 | 206.0 | 214.3 | 225.1 | 234.8 | 246.0 | 256.7 | 268.3 |
| 152.5° | 194.1 | 194.2 | 198.0 | 203.3 | 209.0 | 217.0 | 226.2 | 235.6 | 244.9 | 254.9 | 265.4 |
| 155° | 201.4 | 201.4 | 204.2 | 208.8 | 213.9 | 220.5 | 228.4 | 235.8 | 243.7 | 251.6 | 260.9 |
| 157.5° | 207.1 | 207.5 | 209.7 | 213.9 | 218.2 | 223.2 | 229.5 | 236.3 | 242.1 | 248.7 | 255.8 |
| 160° | 211.6 | 211.6 | 213.4 | 217.2 | 220.5 | 225.1 | 230.6 | 236.3 | 241.3 | 246.5 | 252.5 |
| 162.5° | 214.9 | 214.9 | 216.5 | 219.4 | 222.3 | 226.2 | 231.1 | 235.9 | 239.9 | 244.3 | 249.2 |
| 165° | 220.0 | 219.5 | 220.5 | 222.7 | 224.6 | 227.9 | 231.5 | 234.8 | 237.7 | 240.9 | 244.6 |
| 167.5° | 223.8 | 223.2 | 223.6 | 225.4 | 226.7 | 228.8 | 231.5 | 234.1 | 235.4 | 237.5 | 240.3 |
| 170° | 226.0 | 225.1 | 225.5 | 226.9 | 227.9 | 228.8 | 231.1 | 233.0 | 233.9 | 235.3 | 237.7 |
| 172.5° | 227.5 | 226.9 | 227.1 | 228.0 | 228.6 | 229.2 | 231.1 | 232.6 | 232.8 | 233.4 | 235.1 |
| 175° | 229.3 | 228.8 | 228.4 | 229.3 | 229.3 | 229.8 | 230.6 | 231.5 | 231.1 | 231.1 | 232.0 |
| 177.5° | 230.1 | 229.8 | 229.3 | 229.8 | 229.8 | 229.8 | 230.1 | 230.8 | 230.1 | 229.8 | 230.1 |
| 180° | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 |



TEST NUMBER: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

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° | 13.5 | 13.4 | 13.3 | 13.3 | 13.0 | 12.9 | 12.7 | 12.5 |
| 90° | 11.7 | 12.1 | 12.6 | 13.5 | 13.0 | 13.5 | 13.9 | 13.5 |
| 92.5° | 39.1 | 31.1 | 27.5 | 25.0 | 24.2 | 22.7 | 23.2 | 22.4 |
| 95° | 167.4 | 113.5 | 88.8 | 72.1 | 63.3 | 59.0 | 55.8 | 54.0 |
| 97.5° | 417.4 | 334.3 | 274.3 | 218.7 | 184.3 | 163.4 | 150.8 | 146.8 |
| 100° | 548.3 | 510.6 | 456.2 | 390.1 | 343.2 | 309.2 | 291.1 | 291.6 |
| 102.5° | 591.8 | 590.6 | 558.9 | 517.0 | 480.5 | 453.6 | 438.4 | 427.7 |
| 105° | 604.5 | 651.0 | 659.9 | 647.8 | 626.4 | 608.7 | 593.9 | 591.5 |
| 107.5° | 567.9 | 643.4 | 684.1 | 700.7 | 701.1 | 695.1 | 690.1 | 685.8 |
| 110° | 532.9 | 618.5 | 677.1 | 709.6 | 722.7 | 726.4 | 725.5 | 724.5 |



TEST NUMBER: P332341-930

CATALOG NUMBER: S123RDIP-S1000D585U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 498.3 | 585.7 | 651.4 | 693.2 | 717.1 | 728.6 | 732.1 | 732.3 |
| 115° | 452.5 | 533.4 | 601.8 | 652.4 | 687.3 | 707.8 | 717.1 | 719.4 |
| 117.5° | 419.2 | 489.1 | 550.5 | 601.9 | 638.3 | 661.7 | 675.1 | 678.2 |
| 120° | 401.8 | 464.6 | 520.3 | 567.4 | 604.1 | 630.1 | 641.2 | 644.1 |
| 122.5° | 388.0 | 444.8 | 496.5 | 540.1 | 572.8 | 596.2 | 608.5 | 612.0 |
| 125° | 369.7 | 420.4 | 465.0 | 502.2 | 532.0 | 552.4 | 564.1 | 567.4 |
| 127.5° | 353.7 | 398.9 | 439.2 | 473.0 | 499.5 | 517.0 | 527.5 | 530.5 |
| 130° | 343.6 | 385.5 | 423.1 | 454.8 | 479.5 | 496.2 | 506.0 | 509.6 |
| 132.5° | 334.4 | 372.8 | 407.9 | 438.1 | 461.2 | 477.9 | 486.6 | 489.2 |
| 135° | 321.8 | 354.8 | 385.1 | 411.6 | 434.3 | 448.3 | 456.6 | 459.9 |
| 137.5° | 310.4 | 337.5 | 363.5 | 386.5 | 405.6 | 419.7 | 426.8 | 428.9 |
| 140° | 303.7 | 327.3 | 349.7 | 369.7 | 387.3 | 400.4 | 407.8 | 407.3 |
| 142.5° | 297.3 | 317.7 | 337.0 | 354.4 | 369.5 | 381.1 | 387.8 | 387.3 |
| 145° | 289.7 | 305.1 | 319.9 | 333.5 | 345.0 | 354.8 | 358.6 | 359.5 |
| 147.5° | 283.5 | 295.6 | 307.7 | 317.2 | 326.0 | 332.6 | 336.2 | 336.6 |
| 150° | 279.0 | 289.7 | 299.5 | 308.3 | 315.3 | 320.4 | 323.2 | 323.2 |
| 152.5° | 274.9 | 284.1 | 292.8 | 300.1 | 305.6 | 310.4 | 312.0 | 312.0 |
| 155° | 268.8 | 276.2 | 283.2 | 288.8 | 292.9 | 296.7 | 297.6 | 298.1 |
| 157.5° | 262.3 | 268.5 | 273.9 | 278.3 | 281.9 | 284.7 | 285.4 | 285.4 |
| 160° | 258.5 | 263.7 | 268.3 | 271.6 | 274.8 | 277.6 | 277.6 | 277.1 |
| 162.5° | 254.1 | 258.4 | 262.8 | 265.6 | 267.7 | 270.2 | 270.2 | 269.7 |
| 165° | 248.3 | 251.1 | 254.4 | 256.7 | 258.5 | 260.4 | 259.9 | 259.9 |
| 167.5° | 243.3 | 245.4 | 247.3 | 249.0 | 249.8 | 251.1 | 250.6 | 250.6 |
| 170° | 239.9 | 241.3 | 243.2 | 244.1 | 244.6 | 245.6 | 245.1 | 245.1 |
| 172.5° | 237.0 | 238.0 | 239.5 | 240.0 | 240.1 | 241.1 | 240.3 | 239.9 |
| 175° | 233.0 | 233.4 | 234.4 | 234.4 | 234.4 | 234.8 | 234.4 | 233.9 |
| 177.5° | 230.5 | 230.8 | 231.2 | 231.2 | 230.8 | 231.2 | 230.5 | 230.5 |
| 180° | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 |

(END OF REPORT)