

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: P333578-830

Luminaire Tested: **S125RDIP-S850D1205U830-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333578-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S850D1205U830-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6992.3 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: General Diffuse

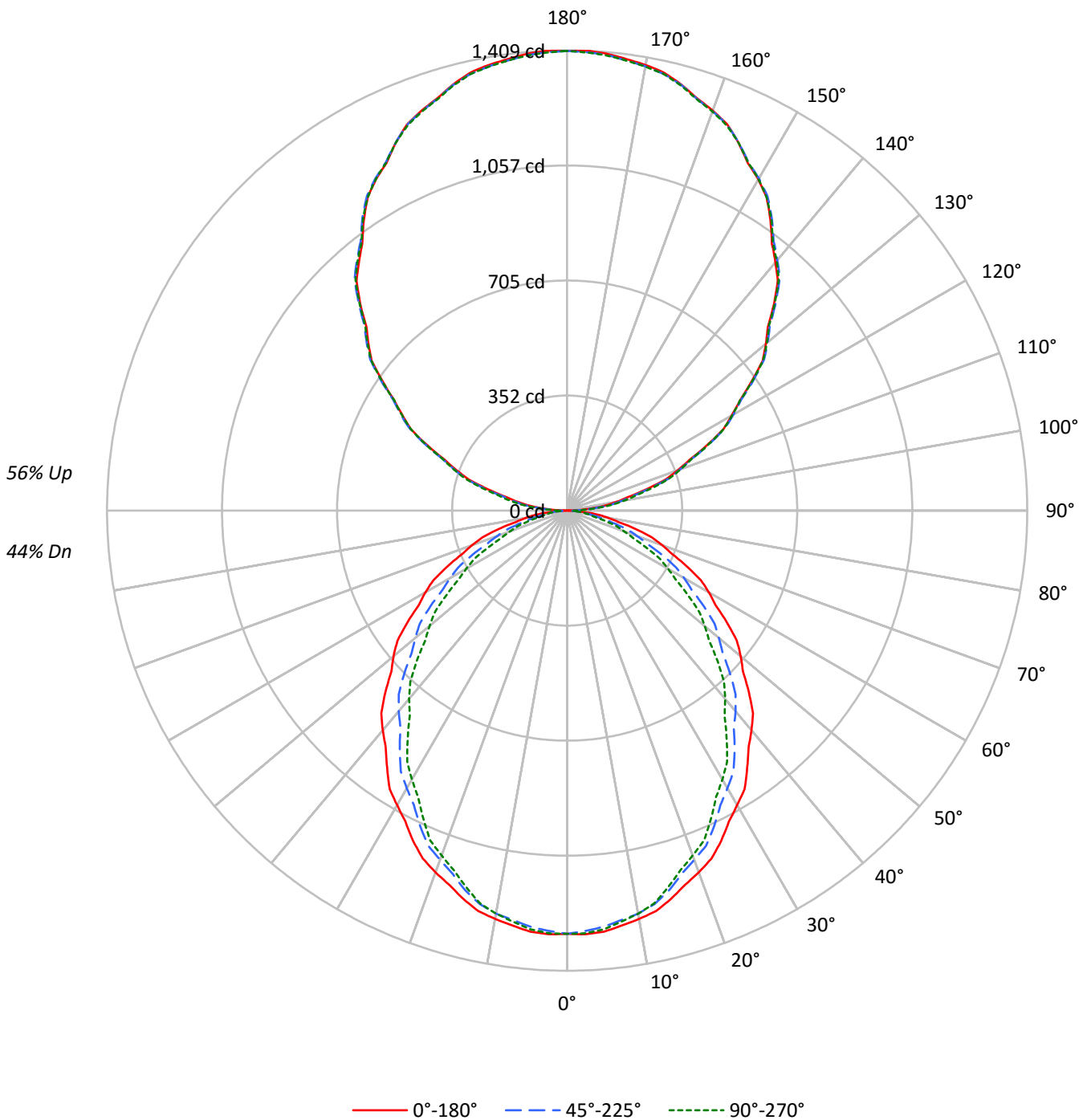
Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333578-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-F1

### Luminous Intensity Polar Plot





TEST NUMBER: P333578-830

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**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   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 50 | 50 | 50 | 44 |
| 1   | 97  | 92  | 89  | 85  | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 56 | 54 | 45 | 44 | 43 | 37 |
| 2   | 88  | 81  | 75  | 70  | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 32 |
| 3   | 80  | 71  | 64  | 58  | 73 | 65 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 |
| 4   | 74  | 63  | 55  | 49  | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 |
| 5   | 68  | 56  | 48  | 42  | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 |
| 6   | 62  | 50  | 43  | 37  | 57 | 47 | 40 | 34 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 7   | 58  | 46  | 38  | 32  | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 29 | 25 | 22 | 24 | 21 | 19 | 16 |
| 8   | 53  | 41  | 34  | 29  | 49 | 38 | 32 | 27 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 |
| 9   | 50  | 38  | 30  | 25  | 46 | 35 | 28 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 |
| 10  | 46  | 35  | 28  | 23  | 43 | 32 | 26 | 21 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8371 | 8371 | 8371 |
| 5°  | 8390 | 8294 | 8345 |
| 10° | 8326 | 8217 | 8217 |
| 15° | 8227 | 8050 | 7985 |
| 20° | 8100 | 7818 | 7724 |
| 25° | 7953 | 7590 | 7422 |
| 30° | 7767 | 7322 | 7088 |
| 35° | 7579 | 7046 | 6714 |
| 40° | 7403 | 6759 | 6347 |
| 45° | 7188 | 6437 | 5945 |
| 50° | 6973 | 6089 | 5528 |
| 55° | 6723 | 5754 | 5082 |
| 60° | 6473 | 5349 | 4602 |
| 65° | 6178 | 4876 | 4053 |
| 70° | 5840 | 4288 | 3493 |
| 75° | 5375 | 3616 | 2907 |
| 80° | 4731 | 2838 | 2440 |
| 85° | 3987 | 2319 | 2179 |



TEST NUMBER: P333578-830

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.9  | 1.7       |
| 10°-20°   | 340.6  | 4.9       |
| 20°-30°   | 493.9  | 7.1       |
| 30°-40°   | 562.9  | 8.0       |
| 40°-50°   | 548.6  | 7.8       |
| 50°-60°   | 461.8  | 6.6       |
| 60°-70°   | 323.7  | 4.6       |
| 70°-80°   | 166.4  | 2.4       |
| 80°-90°   | 45.1   | 0.6       |
| 90°-100°  | 94.3   | 1.3       |
| 100°-110° | 278.4  | 4.0       |
| 110°-120° | 471.5  | 6.7       |
| 120°-130° | 620.5  | 8.9       |
| 130°-140° | 695.3  | 9.9       |
| 140°-150° | 681.4  | 9.7       |
| 150°-160° | 572.4  | 8.2       |
| 160°-170° | 380.5  | 5.4       |
| 170°-180° | 133.1  | 1.9       |
| 0°-30°    | 956.3  | 13.7      |
| 0°-40°    | 1519.2 | 21.7      |
| 0°-60°    | 2529.7 | 36.2      |
| 0°-90°    | 3064.9 | 43.8      |
| 90°-120°  | 844.1  | 12.1      |
| 90°-150°  | 2841.4 | 40.6      |
| 90°-180°  | 3927.0 | 56.2      |
| 0°-180°   | 6992.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1296 | 1296  | 1296 | 1296  | 1296 |      |
| 5°   | 1294 | 1290  | 1279 | 1289  | 1287 | 123  |
| 15°  | 1230 | 1224  | 1204 | 1203  | 1194 | 347  |
| 25°  | 1116 | 1100  | 1065 | 1052  | 1042 | 513  |
| 35°  | 961  | 937   | 894  | 866   | 852  | 602  |
| 45°  | 787  | 757   | 705  | 667   | 651  | 607  |
| 55°  | 597  | 564   | 511  | 468   | 451  | 534  |
| 65°  | 404  | 370   | 319  | 281   | 265  | 400  |
| 75°  | 215  | 185   | 145  | 124   | 116  | 228  |
| 85°  | 54   | 37    | 31   | 30    | 29   | 60   |
| 90°  | 1    | 10    | 18   | 23    | 26   | 6    |
| 95°  | 71   | 74    | 84   | 92    | 94   | 76   |
| 105° | 250  | 255   | 262  | 268   | 272  | 267  |
| 115° | 472  | 476   | 479  | 478   | 476  | 467  |
| 125° | 689  | 695   | 697  | 694   | 693  | 617  |
| 135° | 896  | 902   | 904  | 903   | 899  | 690  |
| 145° | 1085 | 1090  | 1093 | 1093  | 1090 | 678  |
| 155° | 1242 | 1242  | 1243 | 1247  | 1242 | 572  |
| 165° | 1350 | 1348  | 1349 | 1353  | 1347 | 381  |
| 175° | 1404 | 1400  | 1400 | 1406  | 1399 | 133  |
| 180° | 1407 | 1407  | 1407 | 1407  | 1407 |      |



TEST NUMBER: P333578-830

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 |
| 2.5°   | 1298.4 | 1297.9 | 1297.3 | 1296.8 | 1296.3 | 1295.1 | 1293.5 | 1291.7 | 1290.0 | 1288.2 | 1290.0 |
| 5°     | 1294.1 | 1293.3 | 1292.3 | 1291.5 | 1290.6 | 1289.0 | 1286.6 | 1284.2 | 1281.8 | 1279.4 | 1281.6 |
| 7.5°   | 1281.4 | 1280.5 | 1279.7 | 1278.8 | 1278.1 | 1276.2 | 1273.4 | 1270.5 | 1267.6 | 1264.7 | 1266.2 |
| 10°    | 1269.6 | 1268.9 | 1268.3 | 1267.6 | 1267.0 | 1265.2 | 1262.2 | 1259.0 | 1256.0 | 1253.0 | 1253.6 |
| 12.5°  | 1256.3 | 1255.5 | 1254.6 | 1253.9 | 1253.0 | 1250.6 | 1246.4 | 1242.4 | 1238.3 | 1234.2 | 1234.6 |
| 15°    | 1230.5 | 1229.2 | 1227.9 | 1226.5 | 1225.2 | 1222.3 | 1217.8 | 1213.1 | 1208.6 | 1204.0 | 1203.8 |
| 17.5°  | 1201.3 | 1199.3 | 1197.3 | 1195.3 | 1193.3 | 1189.4 | 1183.6 | 1177.9 | 1172.1 | 1166.4 | 1165.4 |
| 20°    | 1178.6 | 1176.4 | 1174.2 | 1172.1 | 1169.9 | 1165.3 | 1158.4 | 1151.4 | 1144.4 | 1137.5 | 1136.4 |
| 22.5°  | 1153.5 | 1151.3 | 1149.1 | 1147.0 | 1144.8 | 1140.1 | 1132.7 | 1125.5 | 1118.1 | 1110.9 | 1108.7 |
| 25°    | 1116.0 | 1112.7 | 1109.4 | 1106.2 | 1102.9 | 1097.2 | 1089.2 | 1081.1 | 1073.1 | 1065.1 | 1062.2 |
| 27.5°  | 1072.9 | 1068.9 | 1065.0 | 1061.0 | 1057.1 | 1050.7 | 1042.2 | 1033.5 | 1024.9 | 1016.2 | 1012.3 |
| 30°    | 1041.5 | 1037.4 | 1033.3 | 1029.2 | 1025.0 | 1018.3 | 1009.3 | 1000.1 | 991.0  | 981.8  | 976.9  |
| 32.5°  | 1011.0 | 1006.2 | 1001.4 | 996.6  | 991.6  | 984.6  | 975.3  | 966.0  | 956.7  | 947.3  | 941.9  |
| 35°    | 961.3  | 956.0  | 950.8  | 945.6  | 940.4  | 932.8  | 923.1  | 913.3  | 903.5  | 893.7  | 887.4  |
| 37.5°  | 912.5  | 906.2  | 899.8  | 893.4  | 887.1  | 878.9  | 868.8  | 858.7  | 848.6  | 838.5  | 830.9  |
| 40°    | 878.1  | 871.6  | 865.0  | 858.5  | 852.0  | 843.5  | 833.0  | 822.6  | 812.2  | 801.7  | 793.4  |
| 42.5°  | 842.1  | 835.4  | 828.7  | 821.9  | 815.2  | 806.5  | 795.7  | 784.9  | 774.1  | 763.4  | 755.4  |
| 45°    | 787.0  | 780.7  | 774.4  | 768.1  | 761.8  | 752.6  | 740.6  | 728.8  | 716.8  | 704.8  | 696.1  |
| 47.5°  | 730.1  | 723.4  | 716.7  | 710.1  | 703.4  | 694.1  | 682.0  | 670.0  | 657.9  | 645.8  | 636.9  |
| 50°    | 694.0  | 686.8  | 679.7  | 672.5  | 665.3  | 655.5  | 643.1  | 630.7  | 618.3  | 606.0  | 596.8  |
| 52.5°  | 654.9  | 647.5  | 640.2  | 632.8  | 625.5  | 616.0  | 604.3  | 592.6  | 580.8  | 569.1  | 559.3  |
| 55°    | 597.1  | 590.1  | 583.2  | 576.3  | 569.3  | 559.7  | 547.5  | 535.4  | 523.2  | 511.0  | 501.1  |
| 57.5°  | 538.8  | 531.3  | 523.9  | 516.4  | 509.1  | 499.5  | 487.7  | 475.9  | 464.2  | 452.4  | 442.9  |
| 60°    | 501.1  | 493.6  | 486.0  | 478.3  | 470.7  | 461.1  | 449.3  | 437.5  | 425.8  | 414.1  | 404.5  |
| 62.5°  | 461.3  | 454.0  | 446.8  | 439.4  | 432.2  | 422.6  | 410.7  | 398.8  | 386.8  | 374.9  | 366.1  |
| 65°    | 404.3  | 396.9  | 389.5  | 382.1  | 374.7  | 365.2  | 353.7  | 342.1  | 330.6  | 319.1  | 310.4  |
| 67.5°  | 347.7  | 340.3  | 332.9  | 325.6  | 318.1  | 308.9  | 297.8  | 286.8  | 275.8  | 264.7  | 256.7  |
| 70°    | 309.3  | 301.9  | 294.5  | 287.1  | 279.7  | 270.6  | 259.8  | 248.8  | 238.0  | 227.1  | 220.4  |
| 72.5°  | 271.7  | 264.5  | 257.3  | 250.1  | 242.9  | 234.1  | 223.9  | 213.8  | 203.6  | 193.4  | 187.2  |
| 75°    | 215.4  | 208.9  | 202.3  | 195.8  | 189.3  | 181.4  | 172.3  | 163.2  | 154.0  | 144.9  | 140.1  |
| 77.5°  | 159.4  | 154.1  | 148.9  | 143.7  | 138.5  | 132.2  | 124.9  | 117.6  | 110.3  | 103.0  | 99.6   |
| 80°    | 127.2  | 122.1  | 116.8  | 111.6  | 106.4  | 100.8  | 94.6   | 88.5   | 82.5   | 76.3   | 74.4   |
| 82.5°  | 96.0   | 91.2   | 86.5   | 81.8   | 77.1   | 72.7   | 68.5   | 64.4   | 60.1   | 56.0   | 55.0   |
| 85°    | 53.8   | 50.0   | 46.0   | 42.1   | 38.2   | 35.6   | 34.6   | 33.5   | 32.4   | 31.3   | 31.1   |
| 87.5°  | 18.2   | 17.4   | 16.6   | 15.7   | 14.9   | 14.6   | 14.8   | 14.9   | 15.1   | 15.3   | 15.5   |
| 90°    | 1.1    | 3.0    | 5.0    | 7.0    | 8.9    | 10.7   | 12.4   | 14.1   | 15.8   | 17.5   | 18.8   |
| 92.5°  | 26.5   | 27.9   | 29.2   | 30.6   | 32.0   | 33.6   | 35.8   | 37.9   | 40.0   | 42.0   | 43.6   |
| 95°    | 71.2   | 71.6   | 72.2   | 72.7   | 73.1   | 74.6   | 77.0   | 79.5   | 81.9   | 84.4   | 86.1   |
| 97.5°  | 118.3  | 118.5  | 118.7  | 118.9  | 119.0  | 120.8  | 124.2  | 127.5  | 130.9  | 134.3  | 135.9  |
| 100°   | 153.4  | 153.4  | 153.4  | 153.4  | 153.4  | 155.0  | 158.1  | 161.3  | 164.4  | 167.6  | 169.8  |
| 102.5° | 191.1  | 192.0  | 192.9  | 194.0  | 194.9  | 196.2  | 197.8  | 199.4  | 201.0  | 202.6  | 205.0  |
| 105°   | 249.7  | 250.9  | 252.1  | 253.4  | 254.6  | 255.9  | 257.4  | 258.8  | 260.3  | 261.7  | 263.3  |
| 107.5° | 314.5  | 315.8  | 317.0  | 318.2  | 319.4  | 320.6  | 321.7  | 322.8  | 324.0  | 325.1  | 325.8  |
| 110°   | 359.3  | 360.4  | 361.7  | 362.9  | 364.1  | 365.0  | 365.8  | 366.6  | 367.3  | 368.0  | 368.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 404.8  | 405.5  | 406.0  | 406.7  | 407.4  | 408.1  | 409.1  | 410.0  | 410.9  | 411.8  | 412.2  |
| 115°   | 472.0  | 473.1  | 474.0  | 474.9  | 476.0  | 476.6  | 477.2  | 477.7  | 478.2  | 478.6  | 478.4  |
| 117.5° | 539.5  | 540.0  | 540.5  | 540.8  | 541.3  | 541.7  | 542.2  | 542.6  | 543.0  | 543.5  | 543.7  |
| 120°   | 581.5  | 582.8  | 584.0  | 585.2  | 586.4  | 587.2  | 587.4  | 587.7  | 588.0  | 588.1  | 588.1  |
| 122.5° | 627.2  | 627.6  | 628.0  | 628.5  | 628.9  | 629.4  | 630.1  | 630.7  | 631.3  | 632.0  | 631.8  |
| 125°   | 688.9  | 690.4  | 691.8  | 693.3  | 694.7  | 695.6  | 695.9  | 696.1  | 696.4  | 696.6  | 696.1  |
| 127.5° | 754.7  | 755.4  | 756.3  | 757.1  | 758.0  | 758.6  | 758.8  | 759.1  | 759.4  | 759.7  | 759.4  |
| 130°   | 794.1  | 795.3  | 796.5  | 797.8  | 798.9  | 799.8  | 800.3  | 800.8  | 801.3  | 801.7  | 801.5  |
| 132.5° | 833.5  | 835.5  | 837.5  | 839.5  | 841.5  | 842.4  | 842.4  | 842.3  | 842.2  | 842.1  | 841.8  |
| 135°   | 896.0  | 897.4  | 898.9  | 900.3  | 901.8  | 902.7  | 902.9  | 903.1  | 903.3  | 903.6  | 903.6  |
| 137.5° | 954.6  | 956.0  | 957.4  | 958.8  | 960.3  | 961.3  | 961.8  | 962.3  | 962.9  | 963.4  | 963.7  |
| 140°   | 992.3  | 993.5  | 994.8  | 996.0  | 997.2  | 998.2  | 998.9  | 999.7  | 1000.3 | 1001.1 | 1001.5 |
| 142.5° | 1030.0 | 1031.0 | 1032.1 | 1033.0 | 1034.1 | 1035.1 | 1035.9 | 1036.9 | 1037.8 | 1038.8 | 1039.1 |
| 145°   | 1085.4 | 1086.4 | 1087.4 | 1088.4 | 1089.3 | 1090.1 | 1090.9 | 1091.7 | 1092.3 | 1093.1 | 1093.1 |
| 147.5° | 1136.7 | 1137.2 | 1137.7 | 1138.3 | 1138.8 | 1139.3 | 1140.0 | 1140.6 | 1141.1 | 1141.7 | 1142.3 |
| 150°   | 1170.8 | 1170.6 | 1170.4 | 1170.2 | 1169.9 | 1170.3 | 1171.2 | 1172.1 | 1173.2 | 1174.1 | 1174.1 |
| 152.5° | 1198.9 | 1199.2 | 1199.6 | 1200.0 | 1200.2 | 1200.6 | 1201.0 | 1201.4 | 1201.8 | 1202.2 | 1202.8 |
| 155°   | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.1 | 1242.2 | 1242.5 | 1242.6 | 1242.9 | 1243.1 | 1244.2 |
| 157.5° | 1280.6 | 1280.1 | 1279.5 | 1279.0 | 1278.5 | 1278.3 | 1278.6 | 1278.8 | 1279.0 | 1279.3 | 1280.3 |
| 160°   | 1303.3 | 1302.7 | 1301.9 | 1301.2 | 1300.4 | 1300.2 | 1300.4 | 1300.7 | 1301.0 | 1301.2 | 1302.1 |
| 162.5° | 1323.5 | 1323.0 | 1322.5 | 1321.9 | 1321.4 | 1321.2 | 1321.2 | 1321.3 | 1321.3 | 1321.4 | 1322.5 |
| 165°   | 1350.5 | 1350.0 | 1349.5 | 1349.1 | 1348.5 | 1348.4 | 1348.7 | 1348.9 | 1349.2 | 1349.3 | 1350.4 |
| 167.5° | 1373.3 | 1372.2 | 1371.3 | 1370.4 | 1369.3 | 1368.9 | 1368.9 | 1368.9 | 1368.9 | 1368.9 | 1370.4 |
| 170°   | 1385.5 | 1384.6 | 1383.6 | 1382.6 | 1381.7 | 1381.1 | 1381.1 | 1381.1 | 1381.1 | 1381.1 | 1382.6 |
| 172.5° | 1394.3 | 1393.4 | 1392.3 | 1391.4 | 1390.4 | 1389.9 | 1389.9 | 1389.9 | 1389.9 | 1389.9 | 1391.4 |
| 175°   | 1404.1 | 1403.2 | 1402.2 | 1401.2 | 1400.2 | 1399.8 | 1399.8 | 1399.8 | 1399.8 | 1399.8 | 1401.2 |
| 177.5° | 1409.2 | 1408.4 | 1407.6 | 1406.8 | 1406.1 | 1405.6 | 1405.4 | 1405.2 | 1405.0 | 1404.8 | 1406.0 |
| 180°   | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 | 1296.1 |
| 2.5°   | 1291.7 | 1293.5 | 1295.1 | 1296.0 | 1295.8 | 1295.6 | 1295.4 | 1295.2 |
| 5°     | 1283.7 | 1285.9 | 1288.1 | 1289.0 | 1288.5 | 1288.1 | 1287.7 | 1287.2 |
| 7.5°   | 1267.8 | 1269.3 | 1270.8 | 1271.3 | 1270.8 | 1270.4 | 1269.9 | 1269.4 |
| 10°    | 1254.2 | 1254.9 | 1255.6 | 1255.6 | 1254.9 | 1254.2 | 1253.6 | 1253.0 |
| 12.5°  | 1235.1 | 1235.6 | 1236.1 | 1235.9 | 1234.8 | 1233.8 | 1232.8 | 1231.8 |
| 15°    | 1203.6 | 1203.3 | 1203.2 | 1202.1 | 1200.1 | 1198.2 | 1196.2 | 1194.2 |
| 17.5°  | 1164.2 | 1163.2 | 1162.1 | 1160.7 | 1159.1 | 1157.5 | 1155.9 | 1154.3 |
| 20°    | 1135.3 | 1134.2 | 1133.1 | 1131.6 | 1129.6 | 1127.7 | 1125.7 | 1123.8 |
| 22.5°  | 1106.5 | 1104.5 | 1102.3 | 1100.4 | 1098.8 | 1097.2 | 1095.6 | 1094.0 |
| 25°    | 1059.4 | 1056.6 | 1053.8 | 1051.1 | 1048.7 | 1046.3 | 1044.0 | 1041.5 |
| 27.5°  | 1008.3 | 1004.4 | 1000.4 | 997.3  | 995.0  | 992.7  | 990.4  | 988.1  |
| 30°    | 971.9  | 966.9  | 961.8  | 958.4  | 956.4  | 954.4  | 952.4  | 950.5  |
| 32.5°  | 936.3  | 930.8  | 925.3  | 921.2  | 918.8  | 916.3  | 913.8  | 911.3  |
| 35°    | 881.1  | 874.8  | 868.5  | 863.8  | 860.7  | 857.7  | 854.7  | 851.6  |
| 37.5°  | 823.4  | 815.8  | 808.2  | 803.0  | 800.0  | 797.0  | 794.1  | 791.2  |
| 40°    | 785.1  | 776.9  | 768.6  | 763.2  | 760.6  | 758.0  | 755.4  | 752.8  |
| 42.5°  | 747.5  | 739.6  | 731.7  | 725.8  | 722.0  | 718.1  | 714.3  | 710.5  |
| 45°    | 687.4  | 678.7  | 670.0  | 664.0  | 660.7  | 657.5  | 654.2  | 650.9  |
| 47.5°  | 627.9  | 619.0  | 610.0  | 603.7  | 600.1  | 596.5  | 592.9  | 589.3  |
| 50°    | 587.7  | 578.5  | 569.4  | 563.2  | 560.0  | 556.7  | 553.4  | 550.2  |
| 52.5°  | 549.5  | 539.6  | 529.8  | 523.2  | 520.0  | 516.7  | 513.5  | 510.2  |
| 55°    | 491.4  | 481.6  | 471.8  | 465.1  | 461.8  | 458.3  | 454.8  | 451.3  |
| 57.5°  | 433.3  | 423.8  | 414.2  | 407.8  | 404.7  | 401.6  | 398.6  | 395.5  |
| 60°    | 394.9  | 385.3  | 375.8  | 369.4  | 366.1  | 362.9  | 359.6  | 356.3  |
| 62.5°  | 357.1  | 348.3  | 339.4  | 333.4  | 330.1  | 326.8  | 323.6  | 320.3  |
| 65°    | 301.7  | 293.0  | 284.3  | 278.3  | 275.0  | 271.8  | 268.5  | 265.2  |
| 67.5°  | 248.7  | 240.8  | 232.8  | 227.5  | 225.0  | 222.3  | 219.7  | 217.2  |
| 70°    | 213.6  | 206.9  | 200.1  | 195.5  | 192.8  | 190.2  | 187.7  | 185.0  |
| 72.5°  | 181.0  | 174.7  | 168.5  | 164.6  | 162.8  | 161.1  | 159.4  | 157.6  |
| 75°    | 135.3  | 130.5  | 125.7  | 122.6  | 121.0  | 119.5  | 118.0  | 116.5  |
| 77.5°  | 96.2   | 92.9   | 89.5   | 87.4   | 86.2   | 85.1   | 84.0   | 82.8   |
| 80°    | 72.5   | 70.5   | 68.5   | 67.3   | 66.9   | 66.4   | 66.0   | 65.6   |
| 82.5°  | 54.2   | 53.3   | 52.3   | 51.7   | 51.5   | 51.3   | 51.0   | 50.7   |
| 85°    | 30.9   | 30.6   | 30.4   | 30.3   | 30.0   | 29.8   | 29.6   | 29.4   |
| 87.5°  | 15.7   | 16.0   | 16.2   | 16.3   | 16.3   | 16.3   | 16.2   | 16.2   |
| 90°    | 20.0   | 21.2   | 22.4   | 23.4   | 24.1   | 24.8   | 25.5   | 26.3   |
| 92.5°  | 45.2   | 46.8   | 48.4   | 49.6   | 50.0   | 50.6   | 51.2   | 51.7   |
| 95°    | 87.8   | 89.4   | 91.1   | 92.3   | 92.7   | 93.2   | 93.7   | 94.2   |
| 97.5°  | 137.5  | 139.1  | 140.7  | 141.7  | 141.9  | 142.2  | 142.5  | 142.8  |
| 100°   | 171.9  | 174.2  | 176.3  | 177.7  | 178.1  | 178.6  | 179.2  | 179.6  |
| 102.5° | 207.4  | 209.8  | 212.2  | 213.7  | 214.4  | 215.1  | 215.7  | 216.4  |
| 105°   | 264.7  | 266.2  | 267.6  | 268.7  | 269.5  | 270.1  | 270.9  | 271.6  |
| 107.5° | 326.5  | 327.3  | 328.0  | 328.4  | 328.3  | 328.3  | 328.2  | 328.1  |
| 110°   | 369.5  | 370.2  | 370.9  | 371.2  | 370.9  | 370.7  | 370.4  | 370.2  |





TEST NUMBER: P333578-830

CATALOG NUMBER: S125RDIP-S850D1205U830-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 412.6  | 412.8  | 413.2  | 413.1  | 412.7  | 412.3  | 411.8  | 411.4  |
| 115°   | 478.2  | 477.9  | 477.7  | 477.4  | 477.2  | 476.9  | 476.6  | 476.5  |
| 117.5° | 543.8  | 544.0  | 544.2  | 543.8  | 542.9  | 542.0  | 540.9  | 540.0  |
| 120°   | 588.1  | 588.1  | 588.1  | 587.7  | 586.7  | 585.7  | 584.8  | 583.8  |
| 122.5° | 631.6  | 631.4  | 631.2  | 630.7  | 629.9  | 629.1  | 628.4  | 627.6  |
| 125°   | 695.6  | 695.1  | 694.7  | 694.3  | 694.1  | 693.8  | 693.5  | 693.3  |
| 127.5° | 759.2  | 758.9  | 758.7  | 758.4  | 757.9  | 757.3  | 756.9  | 756.4  |
| 130°   | 801.3  | 801.0  | 800.8  | 800.4  | 799.9  | 799.5  | 798.9  | 798.4  |
| 132.5° | 841.6  | 841.3  | 841.0  | 840.7  | 839.9  | 839.2  | 838.6  | 837.9  |
| 135°   | 903.6  | 903.6  | 903.6  | 903.1  | 902.1  | 901.2  | 900.2  | 899.2  |
| 137.5° | 964.0  | 964.3  | 964.6  | 964.1  | 962.9  | 961.7  | 960.5  | 959.2  |
| 140°   | 1002.0 | 1002.6 | 1003.1 | 1002.7 | 1001.5 | 1000.2 | 999.0  | 997.8  |
| 142.5° | 1039.3 | 1039.6 | 1039.9 | 1039.4 | 1038.2 | 1037.1 | 1035.9 | 1034.6 |
| 145°   | 1093.1 | 1093.1 | 1093.1 | 1092.7 | 1092.0 | 1091.3 | 1090.5 | 1089.8 |
| 147.5° | 1142.9 | 1143.5 | 1144.1 | 1143.5 | 1141.9 | 1140.2 | 1138.6 | 1136.9 |
| 150°   | 1174.1 | 1174.1 | 1174.1 | 1173.9 | 1173.4 | 1172.9 | 1172.4 | 1172.0 |
| 152.5° | 1203.3 | 1203.9 | 1204.5 | 1204.4 | 1203.5 | 1202.6 | 1201.7 | 1200.9 |
| 155°   | 1245.1 | 1246.0 | 1247.1 | 1246.9 | 1245.7 | 1244.4 | 1243.3 | 1242.1 |
| 157.5° | 1281.2 | 1282.2 | 1283.2 | 1282.9 | 1281.3 | 1279.7 | 1278.1 | 1276.5 |
| 160°   | 1303.2 | 1304.1 | 1305.0 | 1305.0 | 1303.7 | 1302.5 | 1301.3 | 1300.1 |
| 162.5° | 1323.7 | 1324.8 | 1326.1 | 1325.9 | 1324.5 | 1323.0 | 1321.6 | 1320.2 |
| 165°   | 1351.3 | 1352.3 | 1353.3 | 1353.0 | 1351.6 | 1350.1 | 1348.7 | 1347.2 |
| 167.5° | 1371.8 | 1373.3 | 1374.7 | 1374.7 | 1373.2 | 1371.7 | 1370.2 | 1368.7 |
| 170°   | 1384.0 | 1385.5 | 1387.0 | 1386.9 | 1385.2 | 1383.5 | 1381.8 | 1380.1 |
| 172.5° | 1392.8 | 1394.3 | 1395.7 | 1395.7 | 1394.2 | 1392.7 | 1391.2 | 1389.7 |
| 175°   | 1402.7 | 1404.1 | 1405.6 | 1405.5 | 1403.8 | 1402.1 | 1400.3 | 1398.6 |
| 177.5° | 1407.1 | 1408.3 | 1409.5 | 1409.4 | 1408.1 | 1406.7 | 1405.3 | 1403.9 |
| 180°   | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 | 1407.4 |

(END OF REPORT)