

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: P333422

Luminaire Tested: **S125DIW-S850D1340U835-4F0-1E-UDD-F**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333422  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S850D1340U835-4F0-1E-UDD-F  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 1340 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8783.2 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

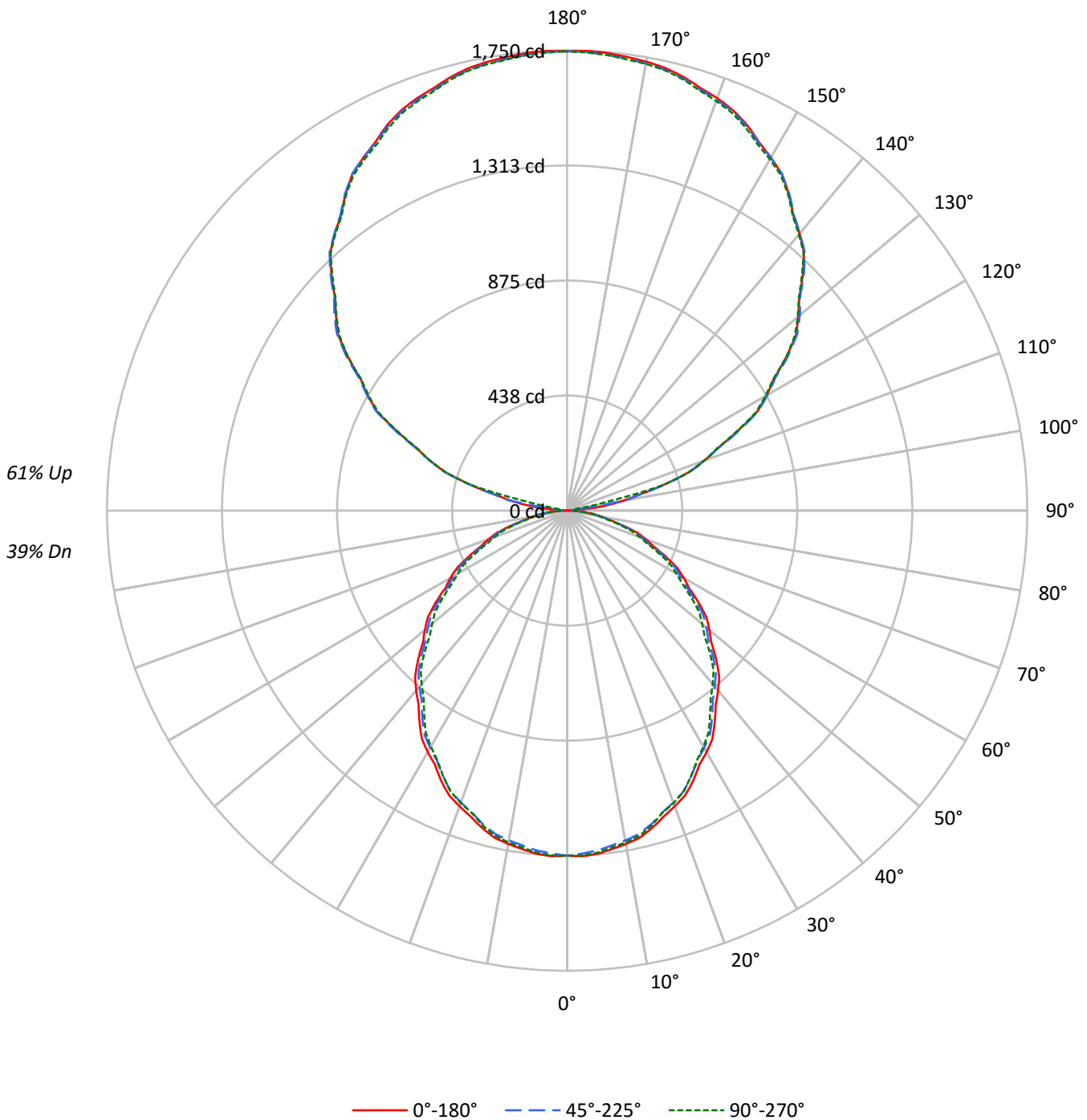
Input Watts (W): 61.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P333422

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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   | 105 | 105 | 105 | 105 | 95 | 95 | 95 | 95 | 77 | 77 | 77 | 61 | 61 | 61 | 46 | 46 | 46 | 39 |
| 1   | 95  | 91  | 87  | 84  | 86 | 83 | 80 | 77 | 68 | 65 | 63 | 53 | 52 | 51 | 41 | 40 | 39 | 33 |
| 2   | 87  | 79  | 73  | 68  | 79 | 72 | 67 | 63 | 59 | 55 | 52 | 47 | 44 | 42 | 36 | 34 | 33 | 27 |
| 3   | 79  | 70  | 63  | 57  | 72 | 64 | 57 | 52 | 52 | 48 | 44 | 41 | 38 | 36 | 32 | 29 | 28 | 23 |
| 4   | 72  | 62  | 54  | 48  | 65 | 56 | 50 | 44 | 46 | 41 | 37 | 37 | 33 | 30 | 28 | 26 | 24 | 20 |
| 5   | 66  | 55  | 47  | 41  | 60 | 50 | 43 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 23 | 21 | 17 |
| 6   | 61  | 49  | 41  | 35  | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 30 | 26 | 23 | 23 | 20 | 18 | 15 |
| 7   | 56  | 44  | 36  | 31  | 51 | 41 | 34 | 29 | 34 | 28 | 24 | 27 | 23 | 20 | 21 | 18 | 16 | 13 |
| 8   | 52  | 40  | 32  | 27  | 47 | 37 | 30 | 25 | 31 | 25 | 22 | 25 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9   | 49  | 37  | 29  | 24  | 44 | 34 | 27 | 23 | 28 | 23 | 19 | 23 | 19 | 16 | 18 | 15 | 13 | 11 |
| 10  | 45  | 33  | 26  | 22  | 41 | 31 | 24 | 20 | 26 | 21 | 17 | 21 | 17 | 15 | 16 | 14 | 12 | 10 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 8478 | 8478 | 8478 |
| 5°  | 8497 | 8416 | 8470 |
| 10° | 8445 | 8357 | 8405 |
| 15° | 8354 | 8256 | 8291 |
| 20° | 8223 | 8115 | 8130 |
| 25° | 8082 | 7948 | 7941 |
| 30° | 7908 | 7768 | 7730 |
| 35° | 7722 | 7574 | 7468 |
| 40° | 7530 | 7363 | 7259 |
| 45° | 7323 | 7172 | 7029 |
| 50° | 7095 | 6939 | 6731 |
| 55° | 6876 | 6677 | 6490 |
| 60° | 6613 | 6412 | 6185 |
| 65° | 6301 | 6094 | 5888 |
| 70° | 6001 | 5727 | 5531 |
| 75° | 5467 | 5288 | 5105 |
| 80° | 4868 | 4790 | 4675 |
| 85° | 4231 | 4313 | 4076 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.8  | 1.4       |
| 10°-20°   | 349.6  | 4.0       |
| 20°-30°   | 516.2  | 5.9       |
| 30°-40°   | 602.4  | 6.9       |
| 40°-50°   | 605.0  | 6.9       |
| 50°-60°   | 531.1  | 6.0       |
| 60°-70°   | 395.7  | 4.5       |
| 70°-80°   | 226.3  | 2.6       |
| 80°-90°   | 69.5   | 0.8       |
| 90°-100°  | 63.5   | 0.7       |
| 100°-110° | 391.2  | 4.5       |
| 110°-120° | 709.5  | 8.1       |
| 120°-130° | 910.5  | 10.4      |
| 130°-140° | 979.3  | 11.2      |
| 140°-150° | 919.2  | 10.5      |
| 150°-160° | 743.6  | 8.5       |
| 160°-170° | 480.9  | 5.5       |
| 170°-180° | 165.9  | 1.9       |
| 0°-30°    | 989.7  | 11.3      |
| 0°-40°    | 1592.1 | 18.1      |
| 0°-60°    | 2728.2 | 31.1      |
| 0°-90°    | 3419.6 | 38.9      |
| 90°-120°  | 1164.1 | 13.3      |
| 90°-150°  | 3973.2 | 45.2      |
| 90°-180°  | 5364.0 | 61.1      |
| 0°-180°   | 8783.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1313 | 1313  | 1313 | 1313  | 1313 |      |
| 5°   | 1311 | 1308  | 1298 | 1307  | 1306 | 124  |
| 15°  | 1249 | 1246  | 1235 | 1240  | 1240 | 352  |
| 25°  | 1134 | 1128  | 1115 | 1117  | 1114 | 522  |
| 35°  | 979  | 975   | 961  | 955   | 947  | 612  |
| 45°  | 802  | 797   | 785  | 773   | 770  | 618  |
| 55°  | 611  | 607   | 593  | 584   | 576  | 545  |
| 65°  | 412  | 410   | 399  | 390   | 385  | 409  |
| 75°  | 219  | 217   | 212  | 209   | 205  | 234  |
| 85°  | 57   | 58    | 58   | 57    | 55   | 64   |
| 90°  | 1    | 12    | 21   | 27    | 31   | 6    |
| 95°  | 74   | 67    | 21   | 27    | 27   | 94   |
| 105° | 381  | 386   | 386  | 386   | 384  | 404  |
| 115° | 715  | 721   | 722  | 717   | 710  | 708  |
| 125° | 1016 | 1025  | 1025 | 1020  | 1016 | 907  |
| 135° | 1268 | 1275  | 1273 | 1270  | 1262 | 977  |
| 145° | 1470 | 1472  | 1472 | 1473  | 1466 | 919  |
| 155° | 1618 | 1611  | 1613 | 1616  | 1607 | 745  |
| 165° | 1708 | 1700  | 1701 | 1708  | 1699 | 482  |
| 175° | 1747 | 1739  | 1740 | 1749  | 1739 | 166  |
| 180° | 1747 | 1747  | 1747 | 1747  | 1747 |      |



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 |
| 2.5°   | 1316.1 | 1315.5 | 1315.0 | 1314.4 | 1313.8 | 1312.6 | 1310.8 | 1309.0 | 1307.1 | 1305.3 | 1307.1 |
| 5°     | 1310.7 | 1310.2 | 1309.7 | 1309.3 | 1308.8 | 1307.4 | 1305.1 | 1302.8 | 1300.5 | 1298.2 | 1300.3 |
| 7.5°   | 1298.6 | 1298.2 | 1297.7 | 1297.2 | 1296.8 | 1295.3 | 1292.7 | 1290.2 | 1287.7 | 1285.1 | 1287.1 |
| 10°    | 1287.8 | 1287.4 | 1286.9 | 1286.4 | 1286.0 | 1284.5 | 1281.9 | 1279.4 | 1276.9 | 1274.3 | 1276.2 |
| 12.5°  | 1274.5 | 1273.7 | 1272.9 | 1272.0 | 1271.2 | 1269.6 | 1267.3 | 1264.9 | 1262.5 | 1260.2 | 1261.7 |
| 15°    | 1249.4 | 1248.7 | 1248.0 | 1247.3 | 1246.6 | 1245.0 | 1242.5 | 1239.9 | 1237.4 | 1234.8 | 1236.0 |
| 17.5°  | 1220.5 | 1219.5 | 1218.5 | 1217.5 | 1216.5 | 1214.6 | 1212.0 | 1209.4 | 1206.7 | 1204.1 | 1205.5 |
| 20°    | 1196.4 | 1196.0 | 1195.5 | 1195.0 | 1194.6 | 1192.8 | 1189.8 | 1186.8 | 1183.8 | 1180.8 | 1182.5 |
| 22.5°  | 1172.3 | 1171.5 | 1170.7 | 1169.8 | 1169.0 | 1167.2 | 1164.4 | 1161.5 | 1158.7 | 1155.9 | 1157.0 |
| 25°    | 1134.1 | 1133.0 | 1131.8 | 1130.6 | 1129.5 | 1127.4 | 1124.4 | 1121.4 | 1118.4 | 1115.4 | 1115.9 |
| 27.5°  | 1089.4 | 1088.8 | 1088.1 | 1087.4 | 1086.7 | 1084.8 | 1081.7 | 1078.6 | 1075.5 | 1072.4 | 1072.5 |
| 30°    | 1060.4 | 1059.7 | 1059.0 | 1058.3 | 1057.6 | 1055.5 | 1052.1 | 1048.6 | 1045.1 | 1041.7 | 1041.2 |
| 32.5°  | 1028.8 | 1027.7 | 1026.7 | 1025.6 | 1024.6 | 1022.5 | 1019.4 | 1016.3 | 1013.2 | 1010.1 | 1009.3 |
| 35°    | 979.4  | 978.4  | 977.5  | 976.6  | 975.7  | 973.6  | 970.4  | 967.1  | 963.9  | 960.7  | 959.5  |
| 37.5°  | 928.1  | 926.9  | 925.7  | 924.6  | 923.4  | 921.3  | 918.3  | 915.2  | 912.2  | 909.2  | 907.4  |
| 40°    | 893.2  | 892.0  | 890.9  | 889.7  | 888.5  | 886.4  | 883.1  | 879.9  | 876.7  | 873.4  | 871.4  |
| 42.5°  | 855.8  | 854.8  | 853.8  | 852.9  | 851.9  | 849.8  | 846.6  | 843.3  | 840.1  | 836.9  | 835.0  |
| 45°    | 801.8  | 800.8  | 799.9  | 799.0  | 798.1  | 796.2  | 793.5  | 790.7  | 787.9  | 785.2  | 782.4  |
| 47.5°  | 743.6  | 743.7  | 743.7  | 743.7  | 743.8  | 742.2  | 738.8  | 735.5  | 732.2  | 728.9  | 726.0  |
| 50°    | 706.2  | 705.5  | 704.8  | 704.1  | 703.5  | 701.7  | 699.0  | 696.2  | 693.4  | 690.6  | 687.6  |
| 52.5°  | 668.0  | 667.5  | 667.0  | 666.5  | 666.0  | 664.2  | 661.3  | 658.3  | 655.4  | 652.4  | 649.8  |
| 55°    | 610.7  | 610.0  | 609.3  | 608.6  | 607.9  | 605.9  | 602.7  | 599.5  | 596.2  | 593.0  | 590.9  |
| 57.5°  | 550.2  | 549.9  | 549.5  | 549.1  | 548.8  | 547.2  | 544.5  | 541.8  | 539.0  | 536.3  | 533.6  |
| 60°    | 512.0  | 511.1  | 510.2  | 509.2  | 508.3  | 506.6  | 504.0  | 501.5  | 499.0  | 496.4  | 494.1  |
| 62.5°  | 472.1  | 471.4  | 470.7  | 469.9  | 469.2  | 467.7  | 465.6  | 463.4  | 461.2  | 459.0  | 456.6  |
| 65°    | 412.3  | 411.8  | 411.4  | 410.9  | 410.5  | 409.0  | 406.4  | 403.9  | 401.3  | 398.8  | 396.7  |
| 67.5°  | 354.4  | 353.4  | 352.4  | 351.4  | 350.5  | 349.0  | 347.2  | 345.3  | 343.4  | 341.5  | 339.7  |
| 70°    | 317.8  | 316.6  | 315.5  | 314.3  | 313.2  | 311.6  | 309.5  | 307.4  | 305.3  | 303.3  | 301.9  |
| 72.5°  | 277.9  | 277.1  | 276.3  | 275.6  | 274.8  | 273.7  | 272.4  | 271.0  | 269.7  | 268.4  | 266.8  |
| 75°    | 219.1  | 218.7  | 218.2  | 217.8  | 217.3  | 216.5  | 215.3  | 214.2  | 213.0  | 211.9  | 211.2  |
| 77.5°  | 164.9  | 164.7  | 164.6  | 164.4  | 164.2  | 163.8  | 163.1  | 162.5  | 161.8  | 161.2  | 160.8  |
| 80°    | 130.9  | 130.9  | 130.9  | 130.9  | 130.9  | 130.6  | 130.2  | 129.7  | 129.2  | 128.8  | 128.6  |
| 82.5°  | 100.9  | 100.6  | 100.2  | 99.8   | 99.5   | 99.2   | 99.1   | 99.1   | 99.0   | 98.9   | 98.5   |
| 85°    | 57.1   | 57.4   | 57.6   | 57.8   | 58.0   | 58.2   | 58.2   | 58.2   | 58.2   | 58.2   | 57.9   |
| 87.5°  | 22.7   | 23.2   | 23.6   | 24.1   | 24.5   | 24.9   | 25.1   | 25.3   | 25.5   | 25.7   | 26.0   |
| 90°    | 1.3    | 3.6    | 5.9    | 8.2    | 10.5   | 12.7   | 14.7   | 16.7   | 18.7   | 20.7   | 22.2   |
| 92.5°  | 19.9   | 18.3   | 16.7   | 15.1   | 13.5   | 13.6   | 15.4   | 17.1   | 18.9   | 20.7   | 22.2   |
| 95°    | 73.8   | 72.9   | 72.1   | 71.2   | 70.3   | 64.4   | 53.5   | 42.6   | 31.6   | 20.7   | 22.2   |
| 97.5°  | 154.1  | 155.6  | 157.2  | 158.7  | 160.3  | 150.2  | 128.6  | 107.0  | 85.3   | 63.7   | 55.6   |
| 100°   | 216.2  | 217.1  | 217.9  | 218.8  | 219.7  | 220.7  | 221.8  | 223.0  | 224.1  | 225.3  | 182.4  |
| 102.5° | 279.4  | 280.5  | 281.6  | 282.7  | 283.8  | 284.7  | 285.4  | 286.1  | 286.7  | 287.4  | 279.3  |
| 105°   | 380.7  | 381.8  | 383.0  | 384.1  | 385.3  | 385.8  | 385.8  | 385.8  | 385.8  | 385.8  | 385.8  |
| 107.5° | 485.8  | 485.8  | 485.8  | 485.8  | 485.8  | 486.1  | 486.7  | 487.2  | 487.8  | 488.4  | 488.4  |
| 110°   | 554.2  | 554.2  | 554.2  | 554.2  | 554.2  | 554.4  | 555.0  | 555.6  | 556.2  | 556.7  | 555.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 618.4  | 619.1  | 619.8  | 620.4  | 621.1  | 621.7  | 622.0  | 622.3  | 622.7  | 623.0  | 621.9  |
| 115°   | 714.7  | 716.1  | 717.6  | 719.0  | 720.5  | 721.3  | 721.6  | 721.9  | 722.2  | 722.5  | 721.3  |
| 117.5° | 814.4  | 814.3  | 814.3  | 814.2  | 814.2  | 814.7  | 815.8  | 816.9  | 818.0  | 819.1  | 817.6  |
| 120°   | 876.5  | 876.3  | 876.0  | 875.7  | 875.4  | 875.7  | 876.5  | 877.4  | 878.3  | 879.1  | 878.6  |
| 122.5° | 931.4  | 932.5  | 933.6  | 934.7  | 935.8  | 936.6  | 937.0  | 937.4  | 937.8  | 938.2  | 937.6  |
| 125°   | 1016.4 | 1018.4 | 1020.4 | 1022.4 | 1024.4 | 1025.4 | 1025.4 | 1025.4 | 1025.4 | 1025.4 | 1024.3 |
| 127.5° | 1097.4 | 1098.9 | 1100.3 | 1101.7 | 1103.2 | 1103.8 | 1103.6 | 1103.5 | 1103.3 | 1103.1 | 1102.5 |
| 130°   | 1147.1 | 1148.6 | 1150.0 | 1151.5 | 1152.9 | 1153.8 | 1154.1 | 1154.3 | 1154.6 | 1154.9 | 1154.1 |
| 132.5° | 1196.9 | 1198.5 | 1200.2 | 1201.9 | 1203.5 | 1204.1 | 1203.4 | 1202.8 | 1202.2 | 1201.5 | 1201.4 |
| 135°   | 1267.6 | 1269.3 | 1271.0 | 1272.7 | 1274.5 | 1275.0 | 1274.5 | 1273.9 | 1273.3 | 1272.7 | 1272.2 |
| 137.5° | 1332.6 | 1334.0 | 1335.5 | 1337.0 | 1338.5 | 1339.0 | 1338.5 | 1338.0 | 1337.5 | 1337.0 | 1337.1 |
| 140°   | 1375.0 | 1375.6 | 1376.2 | 1376.7 | 1377.3 | 1377.5 | 1377.2 | 1376.9 | 1376.6 | 1376.3 | 1376.9 |
| 142.5° | 1413.3 | 1413.7 | 1414.0 | 1414.4 | 1414.7 | 1415.1 | 1415.5 | 1415.9 | 1416.3 | 1416.7 | 1416.8 |
| 145°   | 1469.5 | 1470.1 | 1470.7 | 1471.3 | 1471.8 | 1472.1 | 1472.1 | 1472.1 | 1472.1 | 1472.1 | 1472.4 |
| 147.5° | 1518.7 | 1518.6 | 1518.5 | 1518.4 | 1518.3 | 1518.4 | 1518.7 | 1519.1 | 1519.4 | 1519.8 | 1520.1 |
| 150°   | 1549.8 | 1549.2 | 1548.7 | 1548.1 | 1547.5 | 1547.5 | 1548.1 | 1548.7 | 1549.2 | 1549.8 | 1550.4 |
| 152.5° | 1579.8 | 1578.6 | 1577.3 | 1576.1 | 1574.8 | 1574.4 | 1575.0 | 1575.6 | 1576.2 | 1576.7 | 1577.3 |
| 155°   | 1618.4 | 1616.7 | 1615.0 | 1613.3 | 1611.5 | 1611.0 | 1611.5 | 1612.1 | 1612.7 | 1613.3 | 1614.1 |
| 157.5° | 1648.2 | 1647.2 | 1646.1 | 1645.1 | 1644.1 | 1643.6 | 1643.6 | 1643.7 | 1643.8 | 1643.8 | 1644.7 |
| 160°   | 1668.9 | 1667.2 | 1665.5 | 1663.7 | 1662.0 | 1661.3 | 1661.6 | 1661.9 | 1662.2 | 1662.5 | 1663.6 |
| 162.5° | 1685.5 | 1683.8 | 1682.0 | 1680.3 | 1678.6 | 1677.9 | 1678.2 | 1678.5 | 1678.7 | 1679.0 | 1680.6 |
| 165°   | 1707.8 | 1706.0 | 1704.3 | 1702.6 | 1700.9 | 1700.1 | 1700.4 | 1700.7 | 1701.0 | 1701.3 | 1703.0 |
| 167.5° | 1724.3 | 1722.6 | 1720.8 | 1719.0 | 1717.2 | 1716.5 | 1716.7 | 1717.0 | 1717.3 | 1717.6 | 1719.7 |
| 170°   | 1733.7 | 1731.7 | 1729.6 | 1727.6 | 1725.6 | 1724.7 | 1725.0 | 1725.3 | 1725.6 | 1725.9 | 1728.2 |
| 172.5° | 1739.9 | 1737.9 | 1735.9 | 1733.8 | 1731.8 | 1731.1 | 1731.6 | 1732.1 | 1732.6 | 1733.1 | 1735.2 |
| 175°   | 1746.6 | 1744.9 | 1743.2 | 1741.4 | 1739.7 | 1739.0 | 1739.3 | 1739.6 | 1739.9 | 1740.1 | 1742.4 |
| 177.5° | 1749.7 | 1748.3 | 1747.0 | 1745.6 | 1744.2 | 1743.6 | 1743.9 | 1744.1 | 1744.3 | 1744.5 | 1746.2 |
| 180°   | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 | 1312.7 |
| 2.5°   | 1309.0 | 1310.8 | 1312.6 | 1313.5 | 1313.3 | 1313.1 | 1312.9 | 1312.7 |
| 5°     | 1302.4 | 1304.4 | 1306.5 | 1307.4 | 1307.2 | 1307.0 | 1306.7 | 1306.5 |
| 7.5°   | 1289.2 | 1291.2 | 1293.2 | 1294.1 | 1293.9 | 1293.7 | 1293.4 | 1293.2 |
| 10°    | 1278.0 | 1279.9 | 1281.7 | 1282.5 | 1282.3 | 1282.0 | 1281.8 | 1281.6 |
| 12.5°  | 1263.1 | 1264.6 | 1266.1 | 1266.8 | 1266.8 | 1266.7 | 1266.7 | 1266.6 |
| 15°    | 1237.2 | 1238.3 | 1239.5 | 1240.0 | 1240.0 | 1240.0 | 1240.0 | 1240.0 |
| 17.5°  | 1207.0 | 1208.4 | 1209.8 | 1210.0 | 1208.8 | 1207.7 | 1206.5 | 1205.4 |
| 20°    | 1184.1 | 1185.7 | 1187.3 | 1187.5 | 1186.4 | 1185.2 | 1184.1 | 1182.9 |
| 22.5°  | 1158.0 | 1159.1 | 1160.2 | 1160.3 | 1159.5 | 1158.7 | 1157.9 | 1157.2 |
| 25°    | 1116.3 | 1116.8 | 1117.3 | 1117.1 | 1116.5 | 1115.8 | 1115.1 | 1114.4 |
| 27.5°  | 1072.6 | 1072.7 | 1072.8 | 1072.5 | 1071.8 | 1071.1 | 1070.4 | 1069.7 |
| 30°    | 1040.8 | 1040.3 | 1039.8 | 1039.3 | 1038.6 | 1037.9 | 1037.2 | 1036.5 |
| 32.5°  | 1008.4 | 1007.6 | 1006.8 | 1005.7 | 1004.5 | 1003.2 | 1002.0 | 1000.8 |
| 35°    | 958.4  | 957.2  | 956.1  | 954.6  | 952.7  | 950.9  | 949.0  | 947.2  |
| 37.5°  | 905.7  | 904.0  | 902.3  | 900.9  | 899.9  | 898.8  | 897.8  | 896.7  |
| 40°    | 869.3  | 867.2  | 865.1  | 863.7  | 863.0  | 862.4  | 861.7  | 861.0  |
| 42.5°  | 833.1  | 831.2  | 829.3  | 827.8  | 826.8  | 825.7  | 824.6  | 823.6  |
| 45°    | 779.6  | 776.8  | 774.1  | 772.3  | 771.7  | 771.0  | 770.3  | 769.6  |
| 47.5°  | 723.2  | 720.4  | 717.6  | 715.4  | 713.8  | 712.2  | 710.5  | 708.9  |
| 50°    | 684.6  | 681.6  | 678.6  | 676.3  | 674.7  | 673.1  | 671.5  | 669.9  |
| 52.5°  | 647.2  | 644.5  | 641.9  | 639.7  | 637.9  | 636.1  | 634.3  | 632.5  |
| 55°    | 588.9  | 586.8  | 584.7  | 582.9  | 581.2  | 579.6  | 578.0  | 576.4  |
| 57.5°  | 531.0  | 528.3  | 525.6  | 523.8  | 522.9  | 522.1  | 521.2  | 520.3  |
| 60°    | 491.8  | 489.5  | 487.2  | 485.2  | 483.6  | 482.0  | 480.4  | 478.8  |
| 62.5°  | 454.1  | 451.6  | 449.1  | 447.2  | 446.0  | 444.7  | 443.5  | 442.2  |
| 65°    | 394.7  | 392.6  | 390.5  | 389.0  | 388.1  | 387.2  | 386.2  | 385.3  |
| 67.5°  | 338.0  | 336.2  | 334.5  | 333.3  | 332.8  | 332.2  | 331.6  | 331.1  |
| 70°    | 300.5  | 299.1  | 297.7  | 296.6  | 295.6  | 294.7  | 293.8  | 292.9  |
| 72.5°  | 265.2  | 263.7  | 262.1  | 260.8  | 259.9  | 259.0  | 258.1  | 257.1  |
| 75°    | 210.5  | 209.8  | 209.1  | 208.3  | 207.4  | 206.4  | 205.5  | 204.6  |
| 77.5°  | 160.4  | 159.9  | 159.5  | 159.0  | 158.3  | 157.7  | 157.1  | 156.4  |
| 80°    | 128.3  | 128.1  | 127.9  | 127.5  | 127.1  | 126.6  | 126.1  | 125.7  |
| 82.5°  | 98.0   | 97.6   | 97.2   | 97.0   | 96.9   | 96.8   | 96.7   | 96.6   |
| 85°    | 57.7   | 57.5   | 57.2   | 56.9   | 56.4   | 56.0   | 55.5   | 55.0   |
| 87.5°  | 26.3   | 26.6   | 26.9   | 26.9   | 26.7   | 26.5   | 26.4   | 26.2   |
| 90°    | 23.6   | 25.0   | 26.5   | 27.6   | 28.5   | 29.3   | 30.2   | 31.1   |
| 92.5°  | 23.6   | 25.0   | 26.5   | 27.4   | 27.8   | 28.2   | 28.6   | 29.0   |
| 95°    | 23.6   | 25.0   | 26.5   | 27.2   | 27.2   | 27.2   | 27.2   | 27.2   |
| 97.5°  | 47.5   | 39.4   | 31.2   | 27.2   | 27.2   | 27.2   | 27.2   | 27.2   |
| 100°   | 139.5  | 96.7   | 53.8   | 31.8   | 30.6   | 29.5   | 28.3   | 27.2   |
| 102.5° | 271.2  | 263.1  | 255.0  | 241.1  | 221.6  | 202.0  | 182.4  | 162.9  |
| 105°   | 385.8  | 385.8  | 385.8  | 385.7  | 385.4  | 385.1  | 384.8  | 384.5  |
| 107.5° | 488.5  | 488.6  | 488.6  | 488.2  | 487.3  | 486.5  | 485.6  | 484.8  |
| 110°   | 555.0  | 554.2  | 553.3  | 553.0  | 553.3  | 553.6  | 553.9  | 554.2  |





TEST NUMBER: P333422

CATALOG NUMBER: S125DIW-S850D1340U835-4F0-1E-UDD-F

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 620.8  | 619.8  | 618.7  | 617.9  | 617.5  | 617.1  | 616.7  | 616.3  |
| 115°   | 720.2  | 719.0  | 717.9  | 716.4  | 714.7  | 713.0  | 711.2  | 709.5  |
| 117.5° | 816.1  | 814.6  | 813.1  | 811.9  | 811.2  | 810.5  | 809.7  | 809.0  |
| 120°   | 878.0  | 877.4  | 876.8  | 875.8  | 874.4  | 872.9  | 871.5  | 870.1  |
| 122.5° | 937.0  | 936.4  | 935.9  | 934.7  | 933.1  | 931.4  | 929.7  | 928.1  |
| 125°   | 1023.1 | 1022.0 | 1020.8 | 1019.8 | 1019.0 | 1018.1 | 1017.2 | 1016.4 |
| 127.5° | 1101.9 | 1101.2 | 1100.6 | 1099.2 | 1097.1 | 1095.0 | 1092.8 | 1090.7 |
| 130°   | 1153.2 | 1152.3 | 1151.5 | 1150.3 | 1148.9 | 1147.4 | 1146.0 | 1144.6 |
| 132.5° | 1201.2 | 1201.0 | 1200.8 | 1200.0 | 1198.6 | 1197.2 | 1195.7 | 1194.3 |
| 135°   | 1271.6 | 1271.0 | 1270.4 | 1269.3 | 1267.6 | 1265.8 | 1264.1 | 1262.4 |
| 137.5° | 1337.2 | 1337.3 | 1337.4 | 1336.7 | 1335.2 | 1333.7 | 1332.2 | 1330.7 |
| 140°   | 1377.5 | 1378.0 | 1378.6 | 1378.0 | 1376.3 | 1374.6 | 1372.9 | 1371.1 |
| 142.5° | 1416.9 | 1417.1 | 1417.2 | 1416.4 | 1414.6 | 1412.9 | 1411.2 | 1409.5 |
| 145°   | 1472.7 | 1473.0 | 1473.3 | 1472.6 | 1470.8 | 1469.1 | 1467.4 | 1465.7 |
| 147.5° | 1520.5 | 1520.8 | 1521.2 | 1520.3 | 1518.2 | 1516.1 | 1514.1 | 1512.0 |
| 150°   | 1551.0 | 1551.5 | 1552.1 | 1551.2 | 1548.9 | 1546.6 | 1544.3 | 1542.0 |
| 152.5° | 1577.9 | 1578.5 | 1579.0 | 1578.3 | 1576.2 | 1574.2 | 1572.1 | 1570.0 |
| 155°   | 1615.0 | 1615.8 | 1616.7 | 1616.0 | 1613.7 | 1611.4 | 1609.1 | 1606.8 |
| 157.5° | 1645.7 | 1646.6 | 1647.5 | 1646.8 | 1644.5 | 1642.2 | 1639.9 | 1637.6 |
| 160°   | 1664.8 | 1665.9 | 1667.1 | 1666.5 | 1664.2 | 1661.9 | 1659.6 | 1657.3 |
| 162.5° | 1682.2 | 1683.9 | 1685.5 | 1685.0 | 1682.5 | 1679.9 | 1677.4 | 1674.9 |
| 165°   | 1704.7 | 1706.5 | 1708.2 | 1707.9 | 1705.6 | 1703.3 | 1701.0 | 1698.7 |
| 167.5° | 1721.8 | 1723.8 | 1725.9 | 1725.6 | 1723.0 | 1720.5 | 1717.9 | 1715.3 |
| 170°   | 1730.5 | 1732.8 | 1735.1 | 1735.0 | 1732.4 | 1729.8 | 1727.2 | 1724.6 |
| 172.5° | 1737.3 | 1739.4 | 1741.4 | 1741.2 | 1738.6 | 1736.0 | 1733.4 | 1730.8 |
| 175°   | 1744.7 | 1747.0 | 1749.3 | 1749.2 | 1746.6 | 1744.0 | 1741.4 | 1738.8 |
| 177.5° | 1747.8 | 1749.4 | 1751.0 | 1750.9 | 1749.0 | 1747.2 | 1745.3 | 1743.5 |
| 180°   | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 |

(END OF REPORT)