

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: P332437

Luminaire Tested: **S123RDIW-S775D755U835-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332437  
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: S123RDIW-S775D755U835-4F0-1E-UDD-F1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5537.3 lumens  
Efficiency: N/A  
Efficacy: 123.1 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: General Diffuse

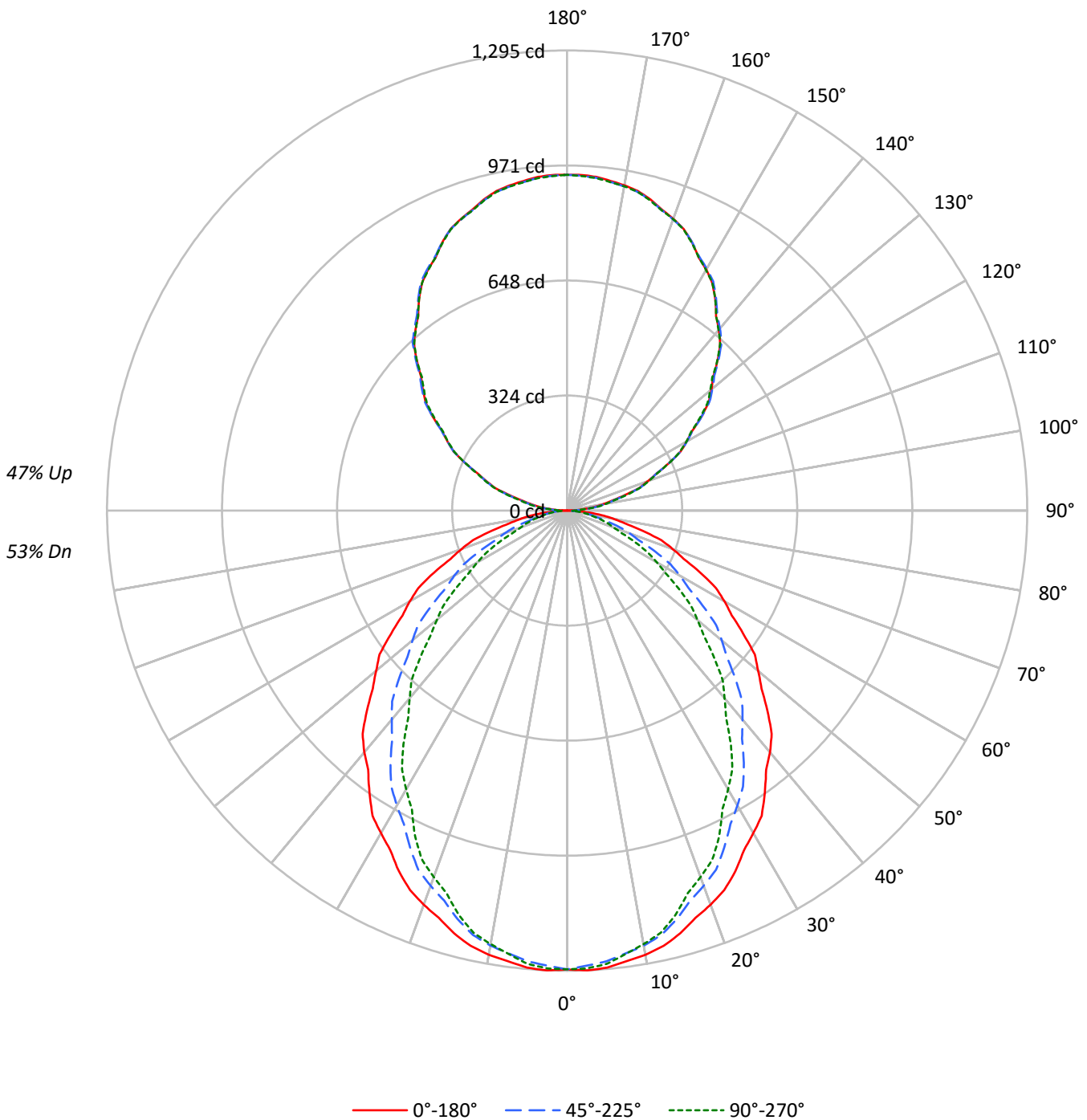
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P332437

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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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 |    |    |    |   |
| 1   | 99  | 95  | 91  | 87  | 91  | 88  | 84  | 82  | 75 | 73 | 70 | 63 | 62 | 60 | 52 | 51 | 50 | 45 |    |    |    |   |
| 2   | 90  | 83  | 77  | 72  | 83  | 77  | 72  | 67  | 66 | 62 | 59 | 56 | 53 | 51 | 46 | 45 | 43 | 38 |    |    |    |   |
| 3   | 82  | 73  | 66  | 60  | 76  | 68  | 62  | 57  | 59 | 54 | 50 | 50 | 46 | 43 | 41 | 39 | 37 | 33 |    |    |    |   |
| 4   | 76  | 65  | 57  | 51  | 70  | 61  | 54  | 48  | 52 | 47 | 43 | 44 | 40 | 37 | 37 | 34 | 32 | 28 |    |    |    |   |
| 5   | 70  | 58  | 50  | 44  | 64  | 54  | 47  | 42  | 47 | 41 | 37 | 40 | 36 | 33 | 34 | 31 | 28 | 25 |    |    |    |   |
| 6   | 64  | 52  | 44  | 38  | 59  | 49  | 42  | 36  | 42 | 37 | 33 | 36 | 32 | 29 | 31 | 27 | 25 | 22 |    |    |    |   |
| 7   | 59  | 47  | 39  | 34  | 55  | 44  | 37  | 32  | 38 | 33 | 29 | 33 | 29 | 25 | 28 | 25 | 22 | 20 |    |    |    |   |
| 8   | 55  | 43  | 35  | 30  | 51  | 40  | 33  | 29  | 35 | 30 | 26 | 30 | 26 | 23 | 26 | 22 | 20 | 18 |    |    |    |   |
| 9   | 51  | 39  | 32  | 27  | 48  | 37  | 30  | 26  | 32 | 27 | 23 | 28 | 24 | 21 | 24 | 21 | 18 | 16 |    |    |    |   |
| 10  | 48  | 36  | 29  | 24  | 45  | 34  | 27  | 23  | 30 | 25 | 21 | 26 | 22 | 19 | 22 | 19 | 16 | 15 |    |    |    |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 13897 | 13897 | 13897 |
| 5°  | 13950 | 13758 | 13837 |
| 10° | 13871 | 13585 | 13539 |
| 15° | 13722 | 13266 | 13127 |
| 20° | 13518 | 12869 | 12569 |
| 25° | 13307 | 12423 | 12025 |
| 30° | 13027 | 11908 | 11257 |
| 35° | 12741 | 11393 | 10553 |
| 40° | 12476 | 10784 | 9681  |
| 45° | 12129 | 10185 | 8894  |
| 50° | 11747 | 9503  | 8013  |
| 55° | 11357 | 8724  | 7191  |
| 60° | 11001 | 7890  | 6288  |
| 65° | 10534 | 6986  | 5387  |
| 70° | 9951  | 5866  | 4349  |
| 75° | 9100  | 4616  | 4092  |
| 80° | 8114  | 4091  | 3763  |
| 85° | 6854  | 3619  | 3359  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.2  | 2.2       |
| 10°-20°   | 337.3  | 6.1       |
| 20°-30°   | 485.7  | 8.8       |
| 30°-40°   | 547.1  | 9.9       |
| 40°-50°   | 523.4  | 9.5       |
| 50°-60°   | 428.6  | 7.7       |
| 60°-70°   | 289.2  | 5.2       |
| 70°-80°   | 145.5  | 2.6       |
| 80°-90°   | 41.3   | 0.7       |
| 90°-100°  | 61.6   | 1.1       |
| 100°-110° | 184.2  | 3.3       |
| 110°-120° | 313.4  | 5.7       |
| 120°-130° | 412.2  | 7.4       |
| 130°-140° | 463.3  | 8.4       |
| 140°-150° | 455.4  | 8.2       |
| 150°-160° | 383.4  | 6.9       |
| 160°-170° | 255.2  | 4.6       |
| 170°-180° | 89.4   | 1.6       |
| 0°-30°    | 944.3  | 17.1      |
| 0°-40°    | 1491.4 | 26.9      |
| 0°-60°    | 2443.4 | 44.1      |
| 0°-90°    | 2919.4 | 52.7      |
| 90°-120°  | 559.2  | 10.1      |
| 90°-150°  | 1890.0 | 34.1      |
| 90°-180°  | 2618.0 | 47.3      |
| 0°-180°   | 5537.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1291 | 1291  | 1291 | 1291  | 1291 |      |
| 5°   | 1291 | 1285  | 1273 | 1282  | 1281 | 122  |
| 15°  | 1231 | 1219  | 1190 | 1185  | 1178 | 347  |
| 25°  | 1120 | 1093  | 1046 | 1025  | 1012 | 515  |
| 35°  | 970  | 930   | 867  | 823   | 803  | 607  |
| 45°  | 797  | 748   | 669  | 611   | 584  | 615  |
| 55°  | 605  | 552   | 465  | 406   | 383  | 542  |
| 65°  | 414  | 355   | 274  | 225   | 212  | 409  |
| 75°  | 219  | 168   | 111  | 101   | 98   | 233  |
| 85°  | 56   | 34    | 29   | 27    | 27   | 62   |
| 90°  | 1    | 8     | 18   | 21    | 22   | 5    |
| 95°  | 44   | 49    | 55   | 58    | 58   | 49   |
| 105° | 167  | 169   | 175  | 175   | 177  | 179  |
| 115° | 316  | 317   | 316  | 317   | 316  | 312  |
| 125° | 462  | 464   | 462  | 459   | 456  | 412  |
| 135° | 599  | 603   | 603  | 600   | 598  | 461  |
| 145° | 727  | 728   | 730  | 730   | 727  | 454  |
| 155° | 832  | 832   | 833  | 835   | 831  | 383  |
| 165° | 906  | 904   | 904  | 908   | 903  | 255  |
| 175° | 943  | 940   | 940  | 944   | 939  | 89   |
| 180° | 945  | 945   | 945  | 945   | 945  |      |



TEST NUMBER: P332437

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 |
| 2.5°   | 1295.2 | 1294.5 | 1293.7 | 1293.0 | 1292.3 | 1290.8 | 1288.5 | 1286.3 | 1284.1 | 1281.8 | 1283.9 |
| 5°     | 1291.1 | 1289.9 | 1288.7 | 1287.6 | 1286.4 | 1284.4 | 1281.6 | 1278.8 | 1276.0 | 1273.3 | 1275.3 |
| 7.5°   | 1279.1 | 1277.9 | 1276.6 | 1275.3 | 1274.1 | 1271.6 | 1268.0 | 1264.4 | 1260.8 | 1257.1 | 1258.3 |
| 10°    | 1269.1 | 1267.4 | 1265.8 | 1264.2 | 1262.5 | 1259.6 | 1255.4 | 1251.3 | 1247.1 | 1242.9 | 1243.1 |
| 12.5°  | 1254.8 | 1253.0 | 1251.2 | 1249.4 | 1247.6 | 1244.1 | 1239.0 | 1233.9 | 1228.7 | 1223.6 | 1223.5 |
| 15°    | 1231.4 | 1228.8 | 1226.2 | 1223.7 | 1221.1 | 1216.6 | 1210.1 | 1203.6 | 1197.0 | 1190.5 | 1189.4 |
| 17.5°  | 1201.8 | 1198.9 | 1195.9 | 1192.9 | 1189.9 | 1184.3 | 1176.0 | 1167.7 | 1159.4 | 1151.2 | 1148.7 |
| 20°    | 1180.1 | 1176.3 | 1172.6 | 1168.9 | 1165.2 | 1158.9 | 1150.0 | 1141.2 | 1132.4 | 1123.5 | 1120.5 |
| 22.5°  | 1155.8 | 1151.5 | 1147.2 | 1142.9 | 1138.6 | 1131.8 | 1122.4 | 1113.0 | 1103.6 | 1094.2 | 1090.4 |
| 25°    | 1120.4 | 1114.6 | 1108.7 | 1102.9 | 1097.1 | 1088.8 | 1078.1 | 1067.4 | 1056.7 | 1046.0 | 1041.1 |
| 27.5°  | 1077.4 | 1071.0 | 1064.6 | 1058.2 | 1051.8 | 1042.6 | 1030.7 | 1018.8 | 1006.8 | 994.9  | 988.1  |
| 30°    | 1048.1 | 1041.1 | 1034.2 | 1027.2 | 1020.2 | 1010.2 | 997.2  | 984.1  | 971.1  | 958.1  | 950.2  |
| 32.5°  | 1018.8 | 1010.9 | 1003.0 | 995.1  | 987.2  | 976.3  | 962.5  | 948.8  | 935.0  | 921.2  | 912.6  |
| 35°    | 969.6  | 961.2  | 952.8  | 944.5  | 936.1  | 924.7  | 910.3  | 895.8  | 881.4  | 867.0  | 857.0  |
| 37.5°  | 919.8  | 910.4  | 901.1  | 891.8  | 882.5  | 870.2  | 854.8  | 839.4  | 824.0  | 808.6  | 797.2  |
| 40°    | 887.9  | 877.7  | 867.4  | 857.2  | 847.0  | 833.6  | 817.1  | 800.6  | 784.0  | 767.5  | 755.4  |
| 42.5°  | 851.9  | 841.7  | 831.4  | 821.2  | 811.0  | 797.3  | 780.2  | 763.1  | 746.1  | 729.0  | 715.8  |
| 45°    | 796.8  | 786.4  | 775.9  | 765.4  | 754.9  | 740.8  | 722.8  | 704.9  | 687.0  | 669.1  | 655.8  |
| 47.5°  | 741.8  | 730.3  | 718.8  | 707.3  | 695.8  | 681.1  | 663.2  | 645.2  | 627.3  | 609.4  | 595.0  |
| 50°    | 701.5  | 690.6  | 679.7  | 668.7  | 657.8  | 642.9  | 624.1  | 605.2  | 586.4  | 567.5  | 553.1  |
| 52.5°  | 665.5  | 653.7  | 641.8  | 629.9  | 618.1  | 602.8  | 584.1  | 565.5  | 546.8  | 528.1  | 513.2  |
| 55°    | 605.2  | 593.8  | 582.4  | 571.0  | 559.6  | 544.0  | 524.2  | 504.5  | 484.7  | 464.9  | 451.4  |
| 57.5°  | 549.5  | 537.1  | 524.7  | 512.2  | 499.8  | 483.7  | 463.8  | 443.9  | 424.0  | 404.2  | 391.4  |
| 60°    | 511.0  | 498.2  | 485.4  | 472.6  | 459.8  | 443.7  | 424.4  | 405.1  | 385.8  | 366.5  | 353.9  |
| 62.5°  | 472.4  | 459.6  | 446.8  | 434.0  | 421.3  | 405.2  | 385.9  | 366.6  | 347.3  | 327.9  | 316.1  |
| 65°    | 413.6  | 400.8  | 388.0  | 375.2  | 362.4  | 346.9  | 328.8  | 310.6  | 292.5  | 274.3  | 262.9  |
| 67.5°  | 354.8  | 341.8  | 328.9  | 315.9  | 303.0  | 287.8  | 270.4  | 253.0  | 235.6  | 218.2  | 209.7  |
| 70°    | 316.2  | 303.7  | 291.1  | 278.5  | 266.0  | 251.5  | 235.2  | 219.0  | 202.7  | 186.4  | 178.2  |
| 72.5°  | 277.7  | 265.3  | 252.9  | 240.5  | 228.2  | 214.6  | 199.8  | 185.0  | 170.2  | 155.4  | 148.7  |
| 75°    | 218.8  | 207.7  | 196.5  | 185.3  | 174.2  | 162.2  | 149.4  | 136.6  | 123.8  | 111.0  | 108.7  |
| 77.5°  | 165.2  | 155.1  | 145.0  | 134.9  | 124.8  | 115.7  | 107.4  | 99.2   | 91.0   | 82.7   | 81.5   |
| 80°    | 130.9  | 121.3  | 111.8  | 102.3  | 92.7   | 85.5   | 80.6   | 75.7   | 70.9   | 66.0   | 65.3   |
| 82.5°  | 98.2   | 90.0   | 81.7   | 73.5   | 65.3   | 60.0   | 57.7   | 55.4   | 53.2   | 50.9   | 50.2   |
| 85°    | 55.5   | 50.4   | 45.3   | 40.1   | 35.0   | 32.1   | 31.4   | 30.7   | 30.0   | 29.3   | 28.9   |
| 87.5°  | 20.3   | 18.5   | 16.8   | 15.1   | 13.4   | 12.7   | 13.2   | 13.6   | 14.0   | 14.5   | 14.4   |
| 90°    | 0.7    | 2.4    | 4.0    | 5.7    | 7.3    | 9.2    | 11.4   | 13.5   | 15.7   | 17.8   | 18.5   |
| 92.5°  | 18.0   | 19.1   | 20.2   | 21.3   | 22.4   | 23.6   | 24.8   | 26.1   | 27.3   | 28.5   | 29.0   |
| 95°    | 43.8   | 44.9   | 46.1   | 47.3   | 48.4   | 49.6   | 51.0   | 52.3   | 53.6   | 54.9   | 55.6   |
| 97.5°  | 77.8   | 78.6   | 79.5   | 80.4   | 81.2   | 82.1   | 83.1   | 84.0   | 85.0   | 86.0   | 86.7   |
| 100°   | 100.9  | 101.9  | 102.9  | 103.9  | 104.9  | 105.8  | 106.6  | 107.5  | 108.3  | 109.1  | 109.6  |
| 102.5° | 127.7  | 128.3  | 128.9  | 129.4  | 130.0  | 130.9  | 132.0  | 133.1  | 134.1  | 135.2  | 135.7  |
| 105°   | 167.0  | 167.3  | 167.7  | 168.0  | 168.3  | 169.2  | 170.7  | 172.2  | 173.7  | 175.2  | 175.2  |
| 107.5° | 212.7  | 212.9  | 213.1  | 213.3  | 213.5  | 213.9  | 214.5  | 215.1  | 215.7  | 216.3  | 216.8  |
| 110°   | 241.2  | 241.6  | 241.9  | 242.2  | 242.5  | 242.9  | 243.2  | 243.5  | 243.9  | 244.2  | 244.9  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 270.9 | 271.1 | 271.3 | 271.5 | 271.7 | 271.8 | 271.9 | 272.0 | 272.0 | 272.1 | 272.9 |
| 115°   | 315.5 | 315.9 | 316.4 | 316.9 | 317.4 | 317.5 | 317.2 | 316.9 | 316.5 | 316.2 | 316.4 |
| 117.5° | 360.3 | 360.6 | 360.9 | 361.3 | 361.6 | 361.6 | 361.1 | 360.7 | 360.3 | 359.8 | 359.8 |
| 120°   | 388.2 | 389.2 | 390.2 | 391.2 | 392.2 | 392.2 | 391.4 | 390.6 | 389.8 | 388.9 | 388.8 |
| 122.5° | 417.3 | 418.0 | 418.7 | 419.5 | 420.2 | 420.3 | 419.9 | 419.5 | 419.1 | 418.6 | 418.2 |
| 125°   | 461.7 | 462.2 | 462.7 | 463.2 | 463.7 | 463.7 | 463.4 | 463.1 | 462.7 | 462.4 | 461.8 |
| 127.5° | 502.6 | 503.7 | 504.8 | 505.8 | 506.9 | 507.2 | 506.9 | 506.5 | 506.1 | 505.8 | 504.8 |
| 130°   | 530.0 | 531.3 | 532.6 | 533.9 | 535.2 | 535.7 | 535.2 | 534.7 | 534.2 | 533.7 | 533.0 |
| 132.5° | 557.3 | 558.6 | 559.9 | 561.2 | 562.6 | 563.0 | 562.7 | 562.3 | 561.9 | 561.6 | 560.8 |
| 135°   | 599.0 | 600.0 | 601.0 | 602.0 | 602.9 | 603.4 | 603.2 | 603.0 | 602.9 | 602.7 | 602.0 |
| 137.5° | 637.6 | 638.4 | 639.2 | 640.1 | 640.9 | 641.5 | 641.9 | 642.4 | 642.8 | 643.2 | 642.5 |
| 140°   | 664.3 | 665.1 | 666.0 | 666.8 | 667.6 | 668.1 | 668.3 | 668.4 | 668.6 | 668.8 | 668.6 |
| 142.5° | 688.7 | 689.5 | 690.3 | 691.1 | 691.9 | 692.5 | 692.8 | 693.1 | 693.4 | 693.7 | 693.5 |
| 145°   | 726.7 | 727.0 | 727.3 | 727.6 | 728.0 | 728.4 | 728.9 | 729.4 | 729.9 | 730.4 | 730.2 |
| 147.5° | 759.9 | 760.5 | 761.1 | 761.7 | 762.3 | 762.8 | 763.3 | 763.7 | 764.2 | 764.7 | 764.7 |
| 150°   | 783.1 | 783.4 | 783.7 | 784.1 | 784.4 | 784.7 | 785.0 | 785.4 | 785.7 | 786.0 | 786.0 |
| 152.5° | 802.1 | 802.5 | 803.0 | 803.5 | 803.9 | 804.2 | 804.4 | 804.6 | 804.8 | 805.0 | 805.3 |
| 155°   | 832.1 | 832.1 | 832.1 | 832.1 | 832.1 | 832.1 | 832.3 | 832.5 | 832.6 | 832.8 | 833.5 |
| 157.5° | 857.6 | 857.4 | 857.2 | 857.0 | 856.8 | 856.8 | 856.9 | 857.0 | 857.2 | 857.3 | 858.0 |
| 160°   | 873.6 | 873.3 | 873.0 | 872.6 | 872.3 | 872.1 | 872.1 | 872.1 | 872.1 | 872.1 | 873.0 |
| 162.5° | 887.9 | 887.4 | 886.9 | 886.5 | 886.0 | 885.9 | 886.0 | 886.1 | 886.3 | 886.4 | 887.2 |
| 165°   | 906.3 | 905.8 | 905.3 | 904.8 | 904.3 | 904.0 | 904.0 | 904.0 | 904.0 | 904.0 | 905.0 |
| 167.5° | 921.0 | 920.3 | 919.7 | 919.0 | 918.3 | 918.1 | 918.2 | 918.3 | 918.5 | 918.6 | 919.6 |
| 170°   | 929.3 | 928.6 | 928.0 | 927.3 | 926.6 | 926.3 | 926.3 | 926.3 | 926.3 | 926.3 | 927.5 |
| 172.5° | 935.8 | 935.2 | 934.5 | 933.8 | 933.2 | 932.8 | 932.8 | 932.8 | 932.8 | 932.8 | 933.9 |
| 175°   | 942.6 | 942.0 | 941.3 | 940.7 | 940.0 | 939.7 | 939.7 | 939.7 | 939.7 | 939.7 | 940.7 |
| 177.5° | 945.5 | 944.9 | 944.4 | 943.9 | 943.4 | 943.1 | 943.1 | 943.1 | 943.1 | 943.1 | 943.9 |
| 180°   | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 | 1291.1 |
| 2.5°   | 1285.9 | 1288.0 | 1290.0 | 1290.9 | 1290.5 | 1290.1 | 1289.7 | 1289.4 |
| 5°     | 1277.4 | 1279.5 | 1281.6 | 1282.4 | 1282.0 | 1281.5 | 1281.0 | 1280.6 |
| 7.5°   | 1259.5 | 1260.6 | 1261.8 | 1262.0 | 1261.2 | 1260.4 | 1259.6 | 1258.8 |
| 10°    | 1243.4 | 1243.6 | 1243.8 | 1243.4 | 1242.2 | 1241.0 | 1239.9 | 1238.7 |
| 12.5°  | 1223.3 | 1223.2 | 1223.1 | 1222.3 | 1221.0 | 1219.6 | 1218.3 | 1216.9 |
| 15°    | 1188.2 | 1187.0 | 1185.9 | 1184.5 | 1182.9 | 1181.2 | 1179.6 | 1178.0 |
| 17.5°  | 1146.2 | 1143.8 | 1141.3 | 1138.9 | 1136.4 | 1134.0 | 1131.6 | 1129.2 |
| 20°    | 1117.5 | 1114.4 | 1111.4 | 1108.5 | 1105.7 | 1102.9 | 1100.1 | 1097.3 |
| 22.5°  | 1086.7 | 1082.9 | 1079.1 | 1075.9 | 1073.3 | 1070.7 | 1068.1 | 1065.5 |
| 25°    | 1036.3 | 1031.4 | 1026.5 | 1022.8 | 1020.2 | 1017.6 | 1015.1 | 1012.5 |
| 27.5°  | 981.3  | 974.6  | 967.8  | 962.4  | 958.5  | 954.6  | 950.7  | 946.8  |
| 30°    | 942.3  | 934.3  | 926.4  | 920.6  | 916.9  | 913.2  | 909.4  | 905.7  |
| 32.5°  | 903.9  | 895.3  | 886.6  | 880.3  | 876.4  | 872.5  | 868.6  | 864.7  |
| 35°    | 847.0  | 837.0  | 827.0  | 819.9  | 815.7  | 811.5  | 807.3  | 803.1  |
| 37.5°  | 785.8  | 774.5  | 763.1  | 754.9  | 749.7  | 744.5  | 739.4  | 734.2  |
| 40°    | 743.3  | 731.2  | 719.1  | 710.4  | 705.0  | 699.7  | 694.3  | 689.0  |
| 42.5°  | 702.5  | 689.3  | 676.1  | 667.1  | 662.3  | 657.5  | 652.7  | 647.9  |
| 45°    | 642.6  | 629.3  | 616.0  | 606.6  | 601.0  | 595.4  | 589.9  | 584.3  |
| 47.5°  | 580.5  | 566.1  | 551.7  | 542.0  | 537.0  | 532.0  | 527.1  | 522.1  |
| 50°    | 538.7  | 524.2  | 509.8  | 499.9  | 494.6  | 489.2  | 483.9  | 478.5  |
| 52.5°  | 498.2  | 483.2  | 468.2  | 458.3  | 453.5  | 448.7  | 443.9  | 439.1  |
| 55°    | 437.9  | 424.4  | 410.9  | 401.8  | 397.2  | 392.5  | 387.9  | 383.2  |
| 57.5°  | 378.7  | 365.9  | 353.2  | 344.8  | 340.9  | 336.9  | 332.9  | 329.0  |
| 60°    | 341.3  | 328.8  | 316.2  | 308.0  | 304.0  | 300.0  | 296.1  | 292.1  |
| 62.5°  | 304.3  | 292.5  | 280.7  | 272.7  | 268.5  | 264.4  | 260.3  | 256.1  |
| 65°    | 251.5  | 240.1  | 228.7  | 221.7  | 219.2  | 216.6  | 214.1  | 211.5  |
| 67.5°  | 201.2  | 192.7  | 184.1  | 178.5  | 175.8  | 173.0  | 170.3  | 167.5  |
| 70°    | 170.1  | 161.9  | 153.8  | 148.5  | 145.9  | 143.3  | 140.8  | 138.2  |
| 72.5°  | 142.1  | 135.4  | 128.8  | 124.9  | 123.8  | 122.8  | 121.7  | 120.6  |
| 75°    | 106.3  | 104.0  | 101.7  | 100.3  | 99.8   | 99.4   | 98.9   | 98.4   |
| 77.5°  | 80.2   | 78.9   | 77.7   | 76.8   | 76.4   | 75.9   | 75.4   | 75.0   |
| 80°    | 64.6   | 63.9   | 63.2   | 62.6   | 62.1   | 61.7   | 61.2   | 60.7   |
| 82.5°  | 49.5   | 48.8   | 48.1   | 47.7   | 47.6   | 47.5   | 47.4   | 47.3   |
| 85°    | 28.4   | 27.9   | 27.5   | 27.2   | 27.2   | 27.2   | 27.2   | 27.2   |
| 87.5°  | 14.3   | 14.3   | 14.2   | 14.1   | 14.0   | 13.9   | 13.8   | 13.7   |
| 90°    | 19.1   | 19.8   | 20.5   | 20.9   | 21.3   | 21.6   | 21.9   | 22.3   |
| 92.5°  | 29.6   | 30.1   | 30.6   | 30.8   | 30.6   | 30.4   | 30.2   | 30.0   |
| 95°    | 56.2   | 56.9   | 57.6   | 57.9   | 57.9   | 57.9   | 57.9   | 57.9   |
| 97.5°  | 87.5   | 88.2   | 89.0   | 89.3   | 89.3   | 89.2   | 89.1   | 89.1   |
| 100°   | 110.1  | 110.6  | 111.1  | 111.5  | 111.8  | 112.2  | 112.5  | 112.8  |
| 102.5° | 136.2  | 136.7  | 137.2  | 137.4  | 137.4  | 137.3  | 137.2  | 137.2  |
| 105°   | 175.2  | 175.2  | 175.2  | 175.3  | 175.7  | 176.0  | 176.3  | 176.7  |
| 107.5° | 217.3  | 217.9  | 218.4  | 218.6  | 218.4  | 218.2  | 218.0  | 217.8  |
| 110°   | 245.5  | 246.2  | 246.8  | 247.0  | 246.7  | 246.3  | 246.0  | 245.7  |





TEST NUMBER: P332437

CATALOG NUMBER: S123RDIW-S775D755U835-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 273.7 | 274.5 | 275.3 | 275.6 | 275.6 | 275.5 | 275.4 | 275.4 |
| 115°   | 316.5 | 316.7 | 316.9 | 316.9 | 316.7 | 316.5 | 316.4 | 316.2 |
| 117.5° | 359.8 | 359.7 | 359.7 | 359.5 | 359.0 | 358.5 | 358.1 | 357.6 |
| 120°   | 388.6 | 388.4 | 388.3 | 388.0 | 387.7 | 387.4 | 387.0 | 386.7 |
| 122.5° | 417.8 | 417.3 | 416.9 | 416.5 | 416.0 | 415.5 | 415.1 | 414.6 |
| 125°   | 461.1 | 460.4 | 459.8 | 459.1 | 458.5 | 457.8 | 457.1 | 456.5 |
| 127.5° | 503.9 | 503.0 | 502.1 | 501.2 | 500.5 | 499.7 | 499.0 | 498.2 |
| 130°   | 532.4 | 531.7 | 531.0 | 530.1 | 529.0 | 527.8 | 526.7 | 525.5 |
| 132.5° | 560.0 | 559.2 | 558.4 | 557.6 | 556.7 | 555.8 | 554.9 | 554.0 |
| 135°   | 601.4 | 600.7 | 600.1 | 599.6 | 599.2 | 598.9 | 598.6 | 598.2 |
| 137.5° | 641.8 | 641.1 | 640.5 | 639.8 | 639.2 | 638.5 | 637.9 | 637.3 |
| 140°   | 668.4 | 668.3 | 668.1 | 667.4 | 666.3 | 665.1 | 664.0 | 662.8 |
| 142.5° | 693.4 | 693.2 | 693.0 | 692.5 | 691.6 | 690.7 | 689.8 | 688.9 |
| 145°   | 730.0 | 729.9 | 729.7 | 729.3 | 728.6 | 728.0 | 727.3 | 726.7 |
| 147.5° | 764.7 | 764.7 | 764.7 | 764.2 | 763.2 | 762.2 | 761.2 | 760.2 |
| 150°   | 786.0 | 786.0 | 786.0 | 785.5 | 784.5 | 783.6 | 782.6 | 781.6 |
| 152.5° | 805.6 | 805.8 | 806.1 | 805.8 | 804.9 | 804.1 | 803.2 | 802.4 |
| 155°   | 834.1 | 834.8 | 835.4 | 835.2 | 834.0 | 832.9 | 831.7 | 830.6 |
| 157.5° | 858.7 | 859.4 | 860.1 | 859.9 | 859.0 | 858.1 | 857.2 | 856.2 |
| 160°   | 873.8 | 874.6 | 875.4 | 875.5 | 874.9 | 874.2 | 873.5 | 872.9 |
| 162.5° | 888.0 | 888.9 | 889.7 | 889.6 | 888.5 | 887.5 | 886.4 | 885.3 |
| 165°   | 906.0 | 907.0 | 908.0 | 907.9 | 906.8 | 905.6 | 904.5 | 903.3 |
| 167.5° | 920.6 | 921.7 | 922.7 | 922.7 | 921.7 | 920.6 | 919.6 | 918.6 |
| 170°   | 928.6 | 929.8 | 930.9 | 930.9 | 929.8 | 928.6 | 927.5 | 926.3 |
| 172.5° | 934.9 | 935.9 | 936.9 | 936.9 | 935.7 | 934.6 | 933.4 | 932.3 |
| 175°   | 941.7 | 942.6 | 943.6 | 943.6 | 942.4 | 941.2 | 940.1 | 938.9 |
| 177.5° | 944.7 | 945.5 | 946.3 | 946.2 | 945.3 | 944.3 | 943.4 | 942.5 |
| 180°   | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 | 944.9 |

(END OF REPORT)