

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: P332444-940

Luminaire Tested: **S123RDIW-S775D1320U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332444-940
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: S123RDIW-S775D1320U940-4F0-1E-UDD-F
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1320 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7311.4 lumens
Efficiency: N/A
Efficacy: 119.1 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: Semi-Indirect

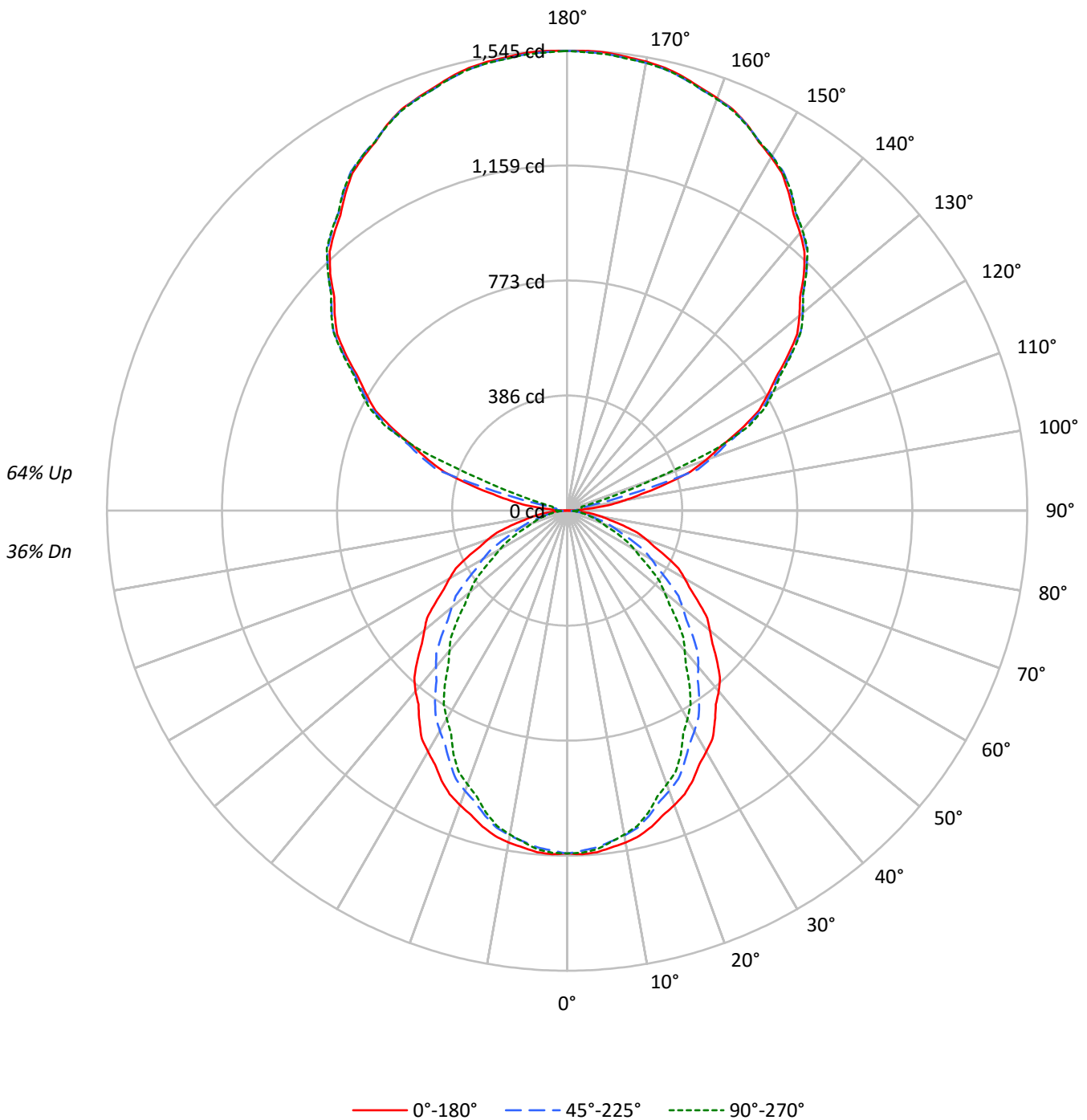
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-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 | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 43 | 43 | 43 | 36 |
| 1 | 95 | 91 | 87 | 84 | 86 | 82 | 79 | 76 | 66 | 64 | 62 | 52 | 50 | 49 | 38 | 37 | 37 | 30 |
| 2 | 86 | 79 | 74 | 69 | 78 | 72 | 67 | 63 | 58 | 55 | 52 | 46 | 43 | 41 | 34 | 32 | 31 | 26 |
| 3 | 79 | 70 | 63 | 57 | 71 | 64 | 58 | 53 | 52 | 47 | 44 | 41 | 38 | 35 | 30 | 28 | 27 | 22 |
| 4 | 72 | 62 | 54 | 49 | 65 | 56 | 50 | 45 | 46 | 41 | 37 | 36 | 33 | 30 | 27 | 25 | 23 | 19 |
| 5 | 66 | 55 | 47 | 42 | 60 | 50 | 44 | 38 | 41 | 36 | 32 | 33 | 29 | 26 | 25 | 22 | 20 | 17 |
| 6 | 61 | 49 | 42 | 36 | 55 | 45 | 38 | 33 | 37 | 32 | 28 | 29 | 26 | 23 | 22 | 20 | 18 | 15 |
| 7 | 56 | 45 | 37 | 32 | 51 | 41 | 34 | 29 | 34 | 28 | 25 | 27 | 23 | 20 | 20 | 18 | 16 | 13 |
| 8 | 52 | 40 | 33 | 28 | 47 | 37 | 30 | 26 | 31 | 26 | 22 | 24 | 21 | 18 | 19 | 16 | 14 | 12 |
| 9 | 49 | 37 | 30 | 25 | 44 | 34 | 27 | 23 | 28 | 23 | 20 | 23 | 19 | 16 | 17 | 15 | 13 | 11 |
| 10 | 45 | 34 | 27 | 22 | 41 | 31 | 25 | 21 | 26 | 21 | 18 | 21 | 17 | 15 | 16 | 14 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 12392 | 12392 | 12392 |
| 5° | 12440 | 12268 | 12338 |
| 10° | 12369 | 12114 | 12073 |
| 15° | 12237 | 11830 | 11705 |
| 20° | 12054 | 11475 | 11208 |
| 25° | 11866 | 11077 | 10723 |
| 30° | 11616 | 10618 | 10038 |
| 35° | 11361 | 10159 | 9410 |
| 40° | 11126 | 9617 | 8633 |
| 45° | 10816 | 9082 | 7931 |
| 50° | 10474 | 8473 | 7145 |
| 55° | 10128 | 7781 | 6412 |
| 60° | 9810 | 7035 | 5608 |
| 65° | 9393 | 6230 | 4804 |
| 70° | 8875 | 5231 | 3877 |
| 75° | 8114 | 4117 | 3647 |
| 80° | 7234 | 3651 | 3353 |
| 85° | 6113 | 3223 | 3001 |



TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 108.1 | 1.5 |
| 10°-20° | 300.8 | 4.1 |
| 20°-30° | 433.1 | 5.9 |
| 30°-40° | 487.9 | 6.7 |
| 40°-50° | 466.7 | 6.4 |
| 50°-60° | 382.2 | 5.2 |
| 60°-70° | 257.9 | 3.5 |
| 70°-80° | 129.7 | 1.8 |
| 80°-90° | 38.6 | 0.5 |
| 90°-100° | 56.1 | 0.8 |
| 100°-110° | 267.4 | 3.7 |
| 110°-120° | 642.3 | 8.8 |
| 120°-130° | 818.0 | 11.2 |
| 130°-140° | 874.0 | 12.0 |
| 140°-150° | 817.3 | 11.2 |
| 150°-160° | 659.2 | 9.0 |
| 160°-170° | 425.5 | 5.8 |
| 170°-180° | 146.6 | 2.0 |
| 0°-30° | 842.0 | 11.5 |
| 0°-40° | 1329.9 | 18.2 |
| 0°-60° | 2178.8 | 29.8 |
| 0°-90° | 2605.1 | 35.6 |
| 90°-120° | 965.9 | 13.2 |
| 90°-150° | 3475.0 | 47.5 |
| 90°-180° | 4706.0 | 64.4 |
| 0°-180° | 7311.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1151 | 1151 | 1151 | 1151 | 1151 | |
| 5° | 1151 | 1146 | 1135 | 1143 | 1142 | 109 |
| 15° | 1098 | 1087 | 1062 | 1057 | 1050 | 309 |
| 25° | 999 | 975 | 933 | 914 | 903 | 459 |
| 35° | 865 | 830 | 773 | 734 | 716 | 541 |
| 45° | 710 | 667 | 597 | 545 | 521 | 548 |
| 55° | 540 | 492 | 415 | 362 | 342 | 484 |
| 65° | 369 | 316 | 245 | 201 | 189 | 365 |
| 75° | 195 | 150 | 99 | 90 | 88 | 208 |
| 85° | 50 | 30 | 26 | 24 | 24 | 56 |
| 90° | 1 | 13 | 28 | 32 | 34 | 6 |
| 95° | 70 | 26 | 36 | 43 | 44 | 86 |
| 105° | 342 | 348 | 251 | 60 | 50 | 362 |
| 115° | 641 | 648 | 658 | 669 | 674 | 632 |
| 125° | 904 | 912 | 917 | 920 | 922 | 807 |
| 135° | 1125 | 1132 | 1136 | 1139 | 1136 | 866 |
| 145° | 1298 | 1306 | 1308 | 1310 | 1310 | 812 |
| 155° | 1430 | 1428 | 1429 | 1434 | 1428 | 658 |
| 165° | 1508 | 1504 | 1503 | 1511 | 1504 | 426 |
| 175° | 1543 | 1538 | 1539 | 1546 | 1538 | 147 |
| 180° | 1543 | 1543 | 1543 | 1543 | 1543 | |



TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 |
| 2.5° | 1154.9 | 1154.3 | 1153.6 | 1153.0 | 1152.4 | 1151.0 | 1149.0 | 1147.0 | 1145.0 | 1143.0 | 1144.9 |
| 5° | 1151.3 | 1150.2 | 1149.1 | 1148.2 | 1147.1 | 1145.3 | 1142.8 | 1140.3 | 1137.8 | 1135.4 | 1137.2 |
| 7.5° | 1140.6 | 1139.5 | 1138.4 | 1137.2 | 1136.1 | 1133.9 | 1130.7 | 1127.5 | 1124.3 | 1121.0 | 1122.0 |
| 10° | 1131.7 | 1130.2 | 1128.7 | 1127.3 | 1125.8 | 1123.2 | 1119.5 | 1115.8 | 1112.1 | 1108.3 | 1108.5 |
| 12.5° | 1118.9 | 1117.3 | 1115.7 | 1114.1 | 1112.5 | 1109.4 | 1104.8 | 1100.3 | 1095.6 | 1091.1 | 1091.0 |
| 15° | 1098.1 | 1095.7 | 1093.4 | 1091.2 | 1088.9 | 1084.9 | 1079.1 | 1073.3 | 1067.4 | 1061.6 | 1060.6 |
| 17.5° | 1071.7 | 1069.1 | 1066.4 | 1063.7 | 1061.0 | 1056.1 | 1048.7 | 1041.3 | 1033.8 | 1026.5 | 1024.3 |
| 20° | 1052.3 | 1048.9 | 1045.6 | 1042.3 | 1039.0 | 1033.4 | 1025.5 | 1017.6 | 1009.8 | 1001.8 | 999.2 |
| 22.5° | 1030.6 | 1026.8 | 1023.0 | 1019.1 | 1015.3 | 1009.2 | 1000.9 | 992.5 | 984.1 | 975.7 | 972.3 |
| 25° | 999.1 | 993.9 | 988.6 | 983.5 | 978.3 | 970.9 | 961.4 | 951.8 | 942.3 | 932.7 | 928.4 |
| 27.5° | 960.7 | 955.0 | 949.3 | 943.6 | 937.9 | 929.7 | 919.1 | 908.5 | 897.8 | 887.2 | 881.1 |
| 30° | 934.6 | 928.4 | 922.2 | 916.0 | 909.7 | 900.8 | 889.2 | 877.5 | 865.9 | 854.3 | 847.3 |
| 32.5° | 908.5 | 901.4 | 894.4 | 887.3 | 880.3 | 870.6 | 858.3 | 846.1 | 833.7 | 821.4 | 813.8 |
| 35° | 864.6 | 857.1 | 849.6 | 842.2 | 834.7 | 824.6 | 811.7 | 798.8 | 786.0 | 773.1 | 764.2 |
| 37.5° | 820.2 | 811.8 | 803.5 | 795.2 | 786.9 | 776.0 | 762.2 | 748.5 | 734.8 | 721.0 | 710.9 |
| 40° | 791.8 | 782.7 | 773.5 | 764.4 | 755.3 | 743.3 | 728.6 | 713.9 | 699.1 | 684.4 | 673.6 |
| 42.5° | 759.6 | 750.6 | 741.4 | 732.3 | 723.2 | 711.0 | 695.7 | 680.5 | 665.3 | 650.1 | 638.3 |
| 45° | 710.5 | 701.2 | 691.9 | 682.5 | 673.2 | 660.6 | 644.5 | 628.6 | 612.6 | 596.6 | 584.8 |
| 47.5° | 661.5 | 651.2 | 641.0 | 630.7 | 620.5 | 607.3 | 591.4 | 575.3 | 559.4 | 543.4 | 530.6 |
| 50° | 625.5 | 615.8 | 606.1 | 596.3 | 586.6 | 573.3 | 556.5 | 539.7 | 522.9 | 506.0 | 493.2 |
| 52.5° | 593.4 | 582.9 | 572.3 | 561.7 | 551.2 | 537.5 | 520.8 | 504.3 | 487.6 | 470.9 | 457.6 |
| 55° | 539.7 | 529.5 | 519.3 | 509.2 | 499.0 | 485.1 | 467.4 | 449.9 | 432.2 | 414.6 | 402.5 |
| 57.5° | 490.0 | 478.9 | 467.9 | 456.7 | 445.7 | 431.3 | 413.6 | 395.8 | 378.1 | 360.4 | 349.0 |
| 60° | 455.7 | 444.3 | 432.8 | 421.4 | 410.0 | 395.7 | 378.4 | 361.2 | 344.0 | 326.8 | 315.6 |
| 62.5° | 421.2 | 409.8 | 398.4 | 387.0 | 375.7 | 361.3 | 344.1 | 326.9 | 309.7 | 292.4 | 281.9 |
| 65° | 368.8 | 357.4 | 346.0 | 334.6 | 323.2 | 309.3 | 293.2 | 277.0 | 260.8 | 244.6 | 234.4 |
| 67.5° | 316.4 | 304.8 | 293.3 | 281.7 | 270.2 | 256.6 | 241.1 | 225.6 | 210.1 | 194.6 | 187.0 |
| 70° | 282.0 | 270.8 | 259.6 | 248.3 | 237.2 | 224.3 | 209.7 | 195.3 | 180.7 | 166.2 | 158.9 |
| 72.5° | 247.6 | 236.6 | 225.5 | 214.5 | 203.5 | 191.4 | 178.2 | 165.0 | 151.8 | 138.6 | 132.6 |
| 75° | 195.1 | 185.2 | 175.2 | 165.2 | 155.3 | 144.6 | 133.2 | 121.8 | 110.4 | 99.0 | 96.9 |
| 77.5° | 147.3 | 138.3 | 129.3 | 120.3 | 111.3 | 103.2 | 95.8 | 88.5 | 81.1 | 73.7 | 72.7 |
| 80° | 116.7 | 108.2 | 99.7 | 91.2 | 82.7 | 76.2 | 71.9 | 67.5 | 63.2 | 58.9 | 58.2 |
| 82.5° | 87.6 | 80.3 | 72.9 | 65.5 | 58.2 | 53.5 | 51.5 | 49.4 | 47.4 | 45.4 | 44.8 |
| 85° | 49.5 | 44.9 | 40.4 | 35.8 | 31.2 | 28.6 | 28.0 | 27.4 | 26.8 | 26.1 | 25.8 |
| 87.5° | 18.2 | 16.9 | 15.5 | 14.2 | 12.9 | 12.6 | 13.2 | 13.9 | 14.5 | 15.2 | 15.2 |
| 90° | 1.2 | 3.7 | 6.2 | 8.8 | 11.3 | 14.3 | 17.6 | 20.9 | 24.2 | 27.6 | 28.5 |
| 92.5° | 21.3 | 20.6 | 19.9 | 19.2 | 18.5 | 19.4 | 21.8 | 24.3 | 26.8 | 29.3 | 30.9 |
| 95° | 69.9 | 59.5 | 49.0 | 38.6 | 28.2 | 24.3 | 27.1 | 30.0 | 32.7 | 35.6 | 37.4 |
| 97.5° | 140.5 | 135.9 | 131.2 | 126.5 | 121.8 | 110.3 | 91.9 | 73.7 | 55.3 | 36.9 | 39.0 |
| 100° | 193.8 | 198.9 | 203.9 | 209.0 | 214.2 | 196.8 | 157.1 | 117.3 | 77.6 | 37.8 | 39.9 |
| 102.5° | 254.3 | 258.0 | 261.6 | 265.3 | 269.0 | 249.1 | 205.7 | 162.3 | 118.9 | 75.4 | 69.1 |
| 105° | 341.7 | 344.5 | 347.3 | 350.1 | 352.8 | 342.9 | 319.9 | 296.9 | 274.0 | 251.1 | 206.0 |
| 107.5° | 433.9 | 436.1 | 438.4 | 440.6 | 442.8 | 445.8 | 449.4 | 453.0 | 456.6 | 460.2 | 427.1 |
| 110° | 495.3 | 497.4 | 499.4 | 501.4 | 503.5 | 505.9 | 508.7 | 511.5 | 514.3 | 517.1 | 508.7 |



TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 554.0 | 555.9 | 557.7 | 559.5 | 561.3 | 563.7 | 566.5 | 569.3 | 572.1 | 574.9 | 575.1 |
| 115° | 641.0 | 642.5 | 644.0 | 645.5 | 647.0 | 649.0 | 651.2 | 653.5 | 655.9 | 658.2 | 660.7 |
| 117.5° | 725.1 | 727.0 | 728.9 | 730.8 | 732.6 | 734.1 | 735.3 | 736.6 | 737.7 | 738.9 | 740.9 |
| 120° | 777.4 | 779.7 | 781.9 | 784.3 | 786.6 | 788.1 | 788.8 | 789.6 | 790.4 | 791.1 | 793.2 |
| 122.5° | 830.6 | 832.5 | 834.4 | 836.2 | 838.1 | 839.5 | 840.5 | 841.5 | 842.5 | 843.5 | 844.9 |
| 125° | 903.5 | 905.5 | 907.6 | 909.6 | 911.7 | 913.2 | 914.2 | 915.3 | 916.2 | 917.3 | 917.7 |
| 127.5° | 974.1 | 976.2 | 978.2 | 980.3 | 982.3 | 983.9 | 985.2 | 986.4 | 987.6 | 988.8 | 989.6 |
| 130° | 1018.2 | 1020.2 | 1022.3 | 1024.3 | 1026.4 | 1027.9 | 1028.9 | 1029.9 | 1030.9 | 1031.9 | 1033.0 |
| 132.5° | 1060.3 | 1062.4 | 1064.4 | 1066.5 | 1068.5 | 1070.0 | 1070.8 | 1071.6 | 1072.4 | 1073.2 | 1074.2 |
| 135° | 1124.8 | 1126.3 | 1127.8 | 1129.4 | 1131.0 | 1132.2 | 1133.2 | 1134.3 | 1135.2 | 1136.3 | 1137.0 |
| 137.5° | 1179.8 | 1181.8 | 1183.7 | 1185.6 | 1187.6 | 1188.8 | 1189.4 | 1190.0 | 1190.5 | 1191.1 | 1192.3 |
| 140° | 1216.6 | 1218.1 | 1219.6 | 1221.1 | 1222.6 | 1223.8 | 1224.6 | 1225.3 | 1226.1 | 1226.8 | 1227.9 |
| 142.5° | 1250.4 | 1252.0 | 1253.6 | 1255.1 | 1256.6 | 1257.8 | 1258.5 | 1259.3 | 1260.0 | 1260.8 | 1261.6 |
| 145° | 1298.0 | 1299.8 | 1301.5 | 1303.3 | 1305.1 | 1306.2 | 1306.7 | 1307.2 | 1307.8 | 1308.2 | 1308.8 |
| 147.5° | 1342.6 | 1343.8 | 1345.0 | 1346.1 | 1347.4 | 1348.2 | 1348.7 | 1349.2 | 1349.7 | 1350.2 | 1350.8 |
| 150° | 1370.2 | 1370.9 | 1371.7 | 1372.4 | 1373.2 | 1373.9 | 1374.4 | 1374.8 | 1375.4 | 1375.9 | 1376.4 |
| 152.5° | 1394.9 | 1395.3 | 1395.6 | 1396.0 | 1396.3 | 1396.7 | 1397.0 | 1397.3 | 1397.6 | 1397.9 | 1398.8 |
| 155° | 1429.8 | 1429.3 | 1428.8 | 1428.3 | 1427.7 | 1427.6 | 1427.9 | 1428.2 | 1428.4 | 1428.6 | 1429.9 |
| 157.5° | 1456.9 | 1456.8 | 1456.8 | 1456.7 | 1456.6 | 1456.5 | 1456.3 | 1456.0 | 1455.7 | 1455.5 | 1457.0 |
| 160° | 1473.4 | 1473.1 | 1472.8 | 1472.6 | 1472.3 | 1472.1 | 1471.9 | 1471.6 | 1471.3 | 1471.1 | 1472.6 |
| 162.5° | 1489.0 | 1488.3 | 1487.6 | 1486.9 | 1486.3 | 1485.9 | 1485.6 | 1485.3 | 1485.1 | 1484.8 | 1486.6 |
| 165° | 1507.8 | 1507.0 | 1506.2 | 1505.5 | 1504.7 | 1504.2 | 1504.0 | 1503.7 | 1503.4 | 1503.2 | 1505.2 |
| 167.5° | 1522.4 | 1521.4 | 1520.4 | 1519.4 | 1518.3 | 1517.9 | 1517.9 | 1517.9 | 1517.9 | 1517.9 | 1519.9 |
| 170° | 1530.7 | 1529.6 | 1528.7 | 1527.7 | 1526.6 | 1526.1 | 1526.1 | 1526.1 | 1526.1 | 1526.1 | 1528.1 |
| 172.5° | 1536.2 | 1535.0 | 1533.7 | 1532.5 | 1531.3 | 1530.8 | 1531.0 | 1531.2 | 1531.4 | 1531.6 | 1533.7 |
| 175° | 1543.3 | 1542.0 | 1540.8 | 1539.4 | 1538.2 | 1537.7 | 1537.9 | 1538.2 | 1538.5 | 1538.7 | 1540.5 |
| 177.5° | 1545.2 | 1544.1 | 1543.1 | 1542.1 | 1541.1 | 1540.7 | 1540.9 | 1541.1 | 1541.2 | 1541.5 | 1543.1 |
| 180° | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 |



TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 | 1151.3 |
| 2.5° | 1146.7 | 1148.5 | 1150.3 | 1151.1 | 1150.8 | 1150.4 | 1150.0 | 1149.8 |
| 5° | 1139.1 | 1140.9 | 1142.8 | 1143.5 | 1143.2 | 1142.7 | 1142.3 | 1141.9 |
| 7.5° | 1123.1 | 1124.1 | 1125.2 | 1125.3 | 1124.6 | 1123.9 | 1123.2 | 1122.5 |
| 10° | 1108.8 | 1108.9 | 1109.1 | 1108.8 | 1107.7 | 1106.6 | 1105.6 | 1104.6 |
| 12.5° | 1090.8 | 1090.7 | 1090.7 | 1089.9 | 1088.8 | 1087.5 | 1086.4 | 1085.1 |
| 15° | 1059.5 | 1058.5 | 1057.5 | 1056.2 | 1054.8 | 1053.3 | 1051.9 | 1050.4 |
| 17.5° | 1022.1 | 1019.9 | 1017.7 | 1015.6 | 1013.3 | 1011.2 | 1009.1 | 1006.9 |
| 20° | 996.5 | 993.7 | 991.0 | 988.5 | 986.0 | 983.5 | 981.0 | 978.5 |
| 22.5° | 969.0 | 965.6 | 962.2 | 959.4 | 957.1 | 954.8 | 952.4 | 950.1 |
| 25° | 924.1 | 919.7 | 915.3 | 912.0 | 909.7 | 907.4 | 905.2 | 902.9 |
| 27.5° | 875.0 | 869.1 | 863.0 | 858.2 | 854.7 | 851.2 | 847.7 | 844.3 |
| 30° | 840.3 | 833.1 | 826.1 | 820.9 | 817.6 | 814.3 | 810.9 | 807.6 |
| 32.5° | 806.0 | 798.3 | 790.6 | 785.0 | 781.5 | 778.0 | 774.5 | 771.1 |
| 35° | 755.3 | 746.4 | 737.4 | 731.1 | 727.4 | 723.6 | 719.9 | 716.1 |
| 37.5° | 700.7 | 690.6 | 680.5 | 673.2 | 668.5 | 663.9 | 659.3 | 654.7 |
| 40° | 662.8 | 652.0 | 641.2 | 633.5 | 628.7 | 623.9 | 619.1 | 614.4 |
| 42.5° | 626.4 | 614.7 | 602.9 | 594.9 | 590.6 | 586.3 | 582.0 | 577.7 |
| 45° | 573.0 | 561.2 | 549.3 | 540.9 | 535.9 | 530.9 | 526.0 | 521.0 |
| 47.5° | 517.6 | 504.8 | 492.0 | 483.3 | 478.8 | 474.4 | 470.0 | 465.6 |
| 50° | 480.4 | 467.4 | 454.6 | 445.8 | 441.0 | 436.2 | 431.5 | 426.7 |
| 52.5° | 444.3 | 430.9 | 417.5 | 408.7 | 404.4 | 400.1 | 395.8 | 391.6 |
| 55° | 390.5 | 378.4 | 366.4 | 358.3 | 354.2 | 350.0 | 345.9 | 341.7 |
| 57.5° | 337.7 | 326.3 | 315.0 | 307.5 | 304.0 | 300.4 | 296.9 | 293.4 |
| 60° | 304.3 | 293.2 | 282.0 | 274.6 | 271.1 | 267.5 | 264.0 | 260.5 |
| 62.5° | 271.3 | 260.8 | 250.3 | 243.2 | 239.4 | 235.8 | 232.1 | 228.4 |
| 65° | 224.3 | 214.1 | 203.9 | 197.7 | 195.5 | 193.1 | 190.9 | 188.6 |
| 67.5° | 179.4 | 171.8 | 164.2 | 159.2 | 156.8 | 154.3 | 151.9 | 149.4 |
| 70° | 151.7 | 144.4 | 137.1 | 132.4 | 130.1 | 127.8 | 125.6 | 123.2 |
| 72.5° | 126.7 | 120.7 | 114.9 | 111.4 | 110.4 | 109.5 | 108.5 | 107.5 |
| 75° | 94.8 | 92.7 | 90.7 | 89.4 | 89.0 | 88.6 | 88.2 | 87.7 |
| 77.5° | 71.5 | 70.4 | 69.3 | 68.5 | 68.1 | 67.7 | 67.2 | 66.9 |
| 80° | 57.6 | 57.0 | 56.4 | 55.8 | 55.4 | 55.0 | 54.6 | 54.1 |
| 82.5° | 44.1 | 43.5 | 42.9 | 42.5 | 42.4 | 42.4 | 42.3 | 42.2 |
| 85° | 25.3 | 24.9 | 24.5 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 |
| 87.5° | 15.2 | 15.3 | 15.3 | 15.3 | 15.2 | 15.2 | 15.2 | 15.1 |
| 90° | 29.5 | 30.6 | 31.6 | 32.4 | 32.9 | 33.3 | 33.9 | 34.4 |
| 92.5° | 32.6 | 34.2 | 35.8 | 36.8 | 37.2 | 37.5 | 37.7 | 38.1 |
| 95° | 39.1 | 40.9 | 42.7 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 97.5° | 41.0 | 43.1 | 45.0 | 46.2 | 46.5 | 46.7 | 47.0 | 47.3 |
| 100° | 41.9 | 44.0 | 46.0 | 47.2 | 47.3 | 47.6 | 47.9 | 48.2 |
| 102.5° | 62.8 | 56.4 | 50.2 | 47.3 | 47.7 | 48.2 | 48.6 | 49.0 |
| 105° | 160.9 | 115.8 | 70.7 | 48.4 | 49.0 | 49.4 | 49.9 | 50.5 |
| 107.5° | 394.1 | 361.1 | 328.0 | 294.4 | 260.5 | 226.4 | 192.4 | 158.5 |
| 110° | 500.2 | 491.9 | 483.5 | 461.0 | 424.6 | 388.2 | 351.8 | 315.3 |



TEST NUMBER: P332444-940

CATALOG NUMBER: S123RDIW-S775D1320U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 575.2 | 575.3 | 575.5 | 571.8 | 564.0 | 556.3 | 548.7 | 541.0 |
| 115° | 663.3 | 665.8 | 668.3 | 670.1 | 671.1 | 672.2 | 673.2 | 674.2 |
| 117.5° | 743.0 | 744.9 | 747.0 | 748.1 | 748.3 | 748.5 | 748.8 | 748.9 |
| 120° | 795.2 | 797.3 | 799.3 | 800.3 | 800.3 | 800.3 | 800.3 | 800.3 |
| 122.5° | 846.3 | 847.7 | 849.2 | 850.0 | 850.2 | 850.3 | 850.6 | 850.8 |
| 125° | 918.3 | 918.8 | 919.3 | 919.8 | 920.3 | 920.9 | 921.3 | 921.9 |
| 127.5° | 990.4 | 991.2 | 992.1 | 992.2 | 991.8 | 991.2 | 990.7 | 990.2 |
| 130° | 1033.9 | 1035.0 | 1036.0 | 1036.3 | 1035.7 | 1035.3 | 1034.7 | 1034.2 |
| 132.5° | 1075.2 | 1076.3 | 1077.3 | 1077.5 | 1076.7 | 1076.0 | 1075.3 | 1074.6 |
| 135° | 1137.8 | 1138.5 | 1139.3 | 1139.3 | 1138.5 | 1137.8 | 1137.0 | 1136.3 |
| 137.5° | 1193.6 | 1194.7 | 1196.0 | 1196.3 | 1195.8 | 1195.3 | 1194.8 | 1194.3 |
| 140° | 1228.9 | 1229.9 | 1230.9 | 1231.2 | 1230.7 | 1230.1 | 1229.7 | 1229.1 |
| 142.5° | 1262.4 | 1263.2 | 1264.1 | 1264.1 | 1263.4 | 1262.7 | 1261.9 | 1261.2 |
| 145° | 1309.3 | 1309.7 | 1310.3 | 1310.5 | 1310.5 | 1310.5 | 1310.5 | 1310.5 |
| 147.5° | 1351.2 | 1351.7 | 1352.3 | 1351.9 | 1350.8 | 1349.6 | 1348.4 | 1347.2 |
| 150° | 1376.9 | 1377.4 | 1378.0 | 1377.8 | 1377.1 | 1376.3 | 1375.6 | 1374.8 |
| 152.5° | 1399.7 | 1400.7 | 1401.6 | 1401.5 | 1400.3 | 1399.1 | 1397.9 | 1396.8 |
| 155° | 1431.2 | 1432.4 | 1433.8 | 1433.6 | 1432.1 | 1430.6 | 1429.1 | 1427.5 |
| 157.5° | 1458.6 | 1460.1 | 1461.6 | 1461.3 | 1459.4 | 1457.4 | 1455.4 | 1453.4 |
| 160° | 1474.1 | 1475.7 | 1477.2 | 1477.0 | 1475.2 | 1473.5 | 1471.7 | 1469.9 |
| 162.5° | 1488.3 | 1490.0 | 1491.7 | 1491.8 | 1490.2 | 1488.7 | 1487.1 | 1485.5 |
| 165° | 1507.3 | 1509.3 | 1511.4 | 1511.4 | 1509.7 | 1507.9 | 1506.1 | 1504.3 |
| 167.5° | 1522.0 | 1523.9 | 1526.0 | 1526.0 | 1523.9 | 1522.0 | 1519.9 | 1517.9 |
| 170° | 1530.2 | 1532.2 | 1534.3 | 1534.3 | 1532.2 | 1530.2 | 1528.1 | 1526.1 |
| 172.5° | 1535.7 | 1537.8 | 1539.8 | 1539.6 | 1537.4 | 1535.2 | 1532.9 | 1530.7 |
| 175° | 1542.3 | 1544.1 | 1545.9 | 1545.7 | 1543.7 | 1541.7 | 1539.6 | 1537.6 |
| 177.5° | 1544.7 | 1546.4 | 1548.0 | 1547.8 | 1545.8 | 1543.7 | 1541.7 | 1539.6 |
| 180° | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 | 1543.3 |

(END OF REPORT)