

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: P333771

Luminaire Tested: **S122DW-S485D940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DW-S485D940-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 485 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1837.8 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

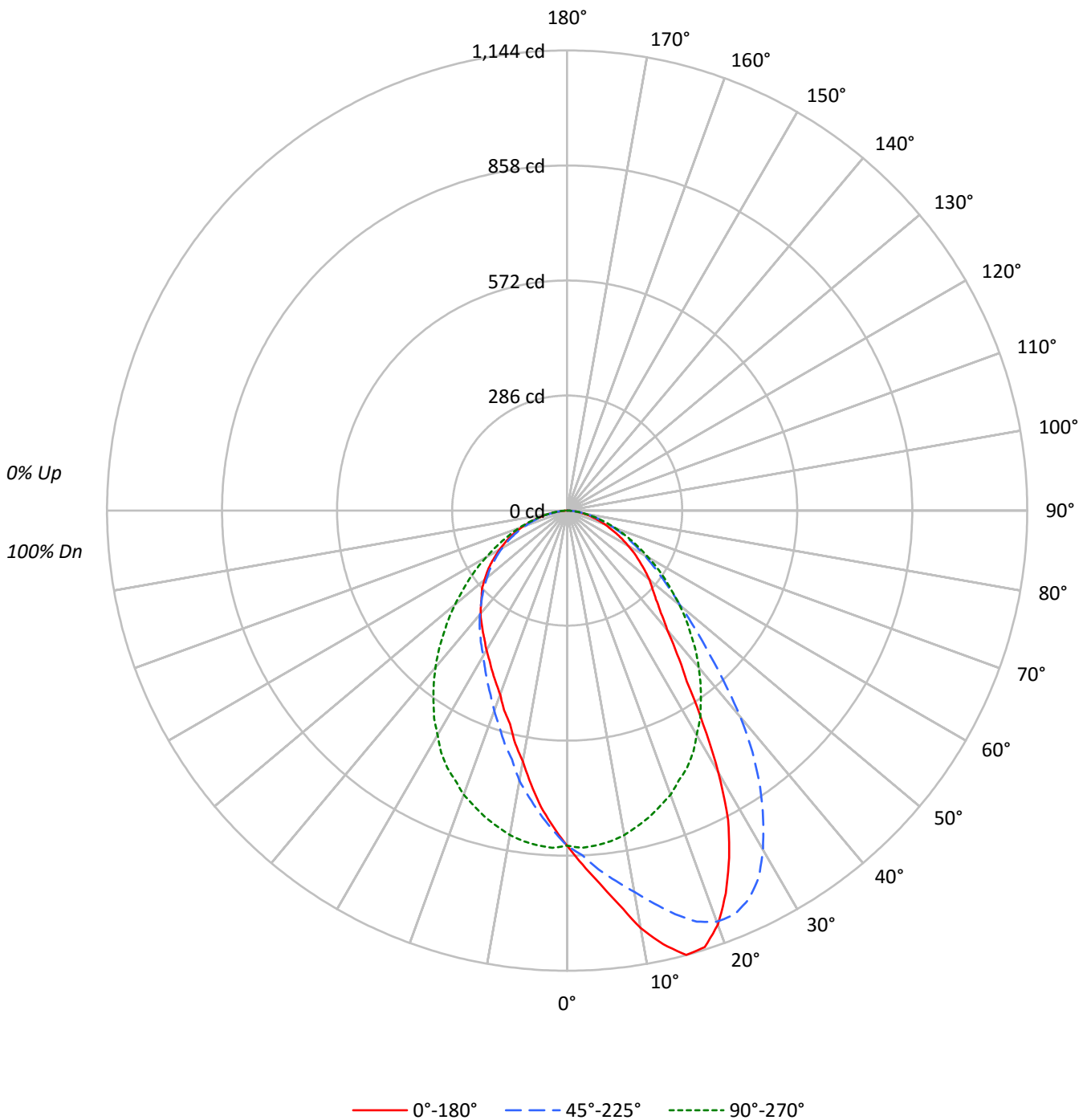
Input Watts (W): 18.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

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 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | | | | | 86 | | | | |
| 2 | 101 | 94 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 82 | 79 | 76 | | | | | 74 | | | | |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | | | | | 64 | | | | |
| 4 | 86 | 75 | 66 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 66 | 62 | 58 | | | | | 55 | | | | |
| 5 | 79 | 67 | 59 | 53 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | | | | | 49 | | | | |
| 6 | 74 | 61 | 53 | 47 | 72 | 60 | 52 | 46 | 58 | 51 | 46 | 57 | 51 | 46 | 55 | 50 | 45 | | | | | 43 | | | | |
| 7 | 69 | 56 | 48 | 42 | 67 | 55 | 47 | 42 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | | | | | 39 | | | | |
| 8 | 64 | 51 | 43 | 38 | 63 | 51 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | | | | | 35 | | | | |
| 9 | 60 | 47 | 39 | 34 | 59 | 47 | 39 | 34 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | | | | | 32 | | | | |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | 41 | 35 | 31 | | | | | 29 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 13451 | 13451 | 13451 |
| 5° | 15079 | 13538 | 11997 |
| 10° | 17280 | 13427 | 10383 |
| 15° | 19117 | 13182 | 9173 |
| 20° | 18825 | 12917 | 8363 |
| 25° | 16974 | 12565 | 7849 |
| 30° | 14027 | 12005 | 7474 |
| 35° | 10224 | 11416 | 7206 |
| 40° | 8165 | 10724 | 7059 |
| 45° | 7136 | 9921 | 6857 |
| 50° | 6707 | 9143 | 6724 |
| 55° | 6182 | 8355 | 6542 |
| 60° | 5667 | 7518 | 6265 |
| 65° | 5161 | 6766 | 5994 |
| 70° | 4688 | 6028 | 5594 |
| 75° | 4155 | 5215 | 4953 |
| 80° | 3570 | 4314 | 3989 |
| 85° | 3205 | 3205 | 2371 |



TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.4 | 4.3 |
| 10°-20° | 230.9 | 12.6 |
| 20°-30° | 335.2 | 18.2 |
| 30°-40° | 353.3 | 19.2 |
| 40°-50° | 312.6 | 17.0 |
| 50°-60° | 249.6 | 13.6 |
| 60°-70° | 169.5 | 9.2 |
| 70°-80° | 86.8 | 4.7 |
| 80°-90° | 20.5 | 1.1 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 645.5 | 35.1 |
| 0°-40° | 998.8 | 54.3 |
| 0°-60° | 1561.0 | 84.9 |
| 0°-90° | 1837.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1837.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 833 | 833 | 833 | 833 | 833 | |
| 5° | 930 | 896 | 835 | 759 | 740 | 93 |
| 15° | 1144 | 1039 | 789 | 600 | 549 | 317 |
| 25° | 953 | 1067 | 705 | 469 | 441 | 432 |
| 35° | 519 | 836 | 579 | 376 | 366 | 336 |
| 45° | 312 | 495 | 434 | 298 | 300 | 245 |
| 55° | 220 | 285 | 297 | 224 | 232 | 197 |
| 65° | 135 | 169 | 177 | 148 | 157 | 134 |
| 75° | 67 | 82 | 84 | 75 | 79 | 71 |
| 85° | 17 | 19 | 17 | 14 | 13 | 20 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 |
| 2.5° | 881.1 | 881.4 | 882.1 | 877.0 | 876.3 | 876.3 | 871.8 | 868.0 | 863.5 | 857.4 | 858.1 |
| 5° | 930.4 | 933.9 | 935.2 | 931.4 | 925.6 | 925.0 | 919.5 | 910.6 | 902.2 | 895.5 | 890.7 |
| 7.5° | 987.4 | 988.7 | 986.1 | 981.6 | 977.8 | 970.4 | 961.5 | 952.8 | 940.0 | 928.5 | 920.2 |
| 10° | 1054.0 | 1055.9 | 1050.5 | 1043.1 | 1037.0 | 1028.1 | 1013.3 | 998.3 | 980.0 | 962.4 | 948.3 |
| 12.5° | 1104.6 | 1110.0 | 1102.7 | 1103.3 | 1091.8 | 1078.7 | 1060.4 | 1054.6 | 1027.1 | 1000.9 | 985.5 |
| 15° | 1143.7 | 1143.3 | 1144.0 | 1137.9 | 1130.2 | 1128.3 | 1109.7 | 1089.5 | 1053.4 | 1039.0 | 1014.0 |
| 17.5° | 1137.9 | 1142.4 | 1144.9 | 1143.0 | 1141.7 | 1138.9 | 1130.8 | 1115.8 | 1095.9 | 1071.6 | 1041.8 |
| 20° | 1095.6 | 1102.0 | 1103.0 | 1110.4 | 1114.5 | 1120.0 | 1122.2 | 1118.7 | 1107.5 | 1087.9 | 1063.0 |
| 22.5° | 1030.3 | 1031.0 | 1034.5 | 1047.0 | 1057.2 | 1072.9 | 1081.2 | 1096.9 | 1094.3 | 1087.3 | 1067.5 |
| 25° | 952.8 | 949.6 | 960.8 | 966.6 | 987.4 | 1009.2 | 1024.9 | 1042.2 | 1057.5 | 1066.8 | 1060.7 |
| 27.5° | 867.0 | 860.3 | 877.3 | 892.3 | 907.0 | 928.2 | 951.9 | 980.0 | 1001.5 | 1030.6 | 1037.7 |
| 30° | 752.4 | 755.3 | 771.3 | 787.6 | 813.2 | 846.5 | 874.1 | 905.8 | 940.0 | 973.6 | 997.0 |
| 32.5° | 628.8 | 641.9 | 650.6 | 677.8 | 699.6 | 737.7 | 781.2 | 822.8 | 867.7 | 907.0 | 946.4 |
| 35° | 518.7 | 531.5 | 545.6 | 563.8 | 595.5 | 632.3 | 671.7 | 725.2 | 783.5 | 835.6 | 878.6 |
| 37.5° | 448.9 | 446.6 | 455.3 | 468.7 | 495.9 | 527.6 | 574.4 | 628.8 | 698.6 | 756.6 | 814.2 |
| 40° | 387.4 | 386.1 | 391.9 | 404.1 | 423.6 | 445.4 | 485.1 | 531.5 | 595.2 | 670.1 | 742.2 |
| 42.5° | 345.1 | 346.4 | 349.0 | 356.7 | 368.5 | 385.5 | 412.7 | 450.5 | 507.5 | 576.9 | 655.7 |
| 45° | 312.5 | 314.7 | 318.3 | 322.4 | 330.1 | 344.8 | 361.5 | 389.6 | 435.8 | 494.7 | 570.9 |
| 47.5° | 286.9 | 287.5 | 291.4 | 295.2 | 299.7 | 308.6 | 323.4 | 341.3 | 376.5 | 426.8 | 495.0 |
| 50° | 267.0 | 264.8 | 267.3 | 270.2 | 275.0 | 280.8 | 289.8 | 306.4 | 328.2 | 366.9 | 421.7 |
| 52.5° | 242.7 | 243.3 | 245.6 | 246.2 | 250.4 | 256.1 | 264.1 | 274.4 | 293.6 | 321.8 | 364.4 |
| 55° | 219.6 | 221.2 | 222.5 | 224.4 | 228.3 | 232.4 | 238.8 | 246.5 | 261.9 | 284.6 | 317.9 |
| 57.5° | 197.9 | 198.5 | 199.5 | 203.6 | 205.9 | 209.7 | 216.1 | 223.2 | 233.4 | 251.0 | 277.3 |
| 60° | 175.5 | 175.5 | 178.0 | 179.6 | 182.8 | 186.7 | 191.5 | 198.2 | 207.2 | 220.9 | 241.1 |
| 62.5° | 155.0 | 154.6 | 155.3 | 158.2 | 160.4 | 163.9 | 168.7 | 174.2 | 182.5 | 194.3 | 210.0 |
| 65° | 135.1 | 134.5 | 136.4 | 137.0 | 139.6 | 143.1 | 147.0 | 153.0 | 159.8 | 168.7 | 183.5 |
| 67.5° | 115.3 | 116.2 | 117.5 | 118.8 | 120.1 | 124.2 | 126.8 | 131.3 | 137.0 | 144.7 | 155.0 |
| 70° | 99.3 | 99.3 | 99.3 | 100.2 | 102.1 | 104.1 | 106.6 | 110.1 | 115.6 | 122.0 | 131.0 |
| 72.5° | 81.3 | 82.6 | 83.9 | 82.9 | 85.5 | 86.4 | 89.6 | 91.2 | 96.4 | 99.9 | 107.6 |
| 75° | 66.6 | 66.6 | 66.6 | 68.2 | 69.2 | 70.1 | 72.0 | 74.0 | 76.5 | 81.6 | 85.8 |
| 77.5° | 52.5 | 52.2 | 52.5 | 52.8 | 54.1 | 55.4 | 56.0 | 57.6 | 60.2 | 62.8 | 66.6 |
| 80° | 38.4 | 39.1 | 39.4 | 40.0 | 40.0 | 40.7 | 41.0 | 43.2 | 44.8 | 46.4 | 48.7 |
| 82.5° | 27.5 | 27.5 | 27.5 | 27.5 | 27.9 | 28.2 | 29.1 | 29.5 | 29.8 | 31.1 | 32.7 |
| 85° | 17.3 | 17.0 | 17.0 | 17.6 | 17.3 | 17.3 | 17.9 | 18.6 | 18.6 | 18.9 | 19.9 |
| 87.5° | 8.3 | 8.3 | 8.6 | 8.3 | 8.3 | 8.6 | 8.6 | 8.3 | 8.6 | 9.0 | 9.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 |
| 2.5° | 860.3 | 857.7 | 856.1 | 850.4 | 845.3 | 840.1 | 838.5 | 839.2 | 832.1 | 825.4 | 822.5 |
| 5° | 888.2 | 881.8 | 875.7 | 867.0 | 856.8 | 845.6 | 839.8 | 835.3 | 824.1 | 812.0 | 804.9 |
| 7.5° | 913.4 | 905.1 | 894.2 | 878.9 | 864.8 | 848.1 | 837.9 | 829.2 | 813.6 | 797.2 | 787.3 |
| 10° | 936.2 | 923.7 | 908.6 | 888.8 | 870.5 | 849.1 | 834.0 | 819.0 | 799.8 | 779.3 | 766.5 |
| 12.5° | 955.7 | 937.8 | 923.1 | 896.2 | 873.7 | 845.6 | 827.0 | 804.3 | 783.8 | 758.5 | 746.0 |
| 15° | 989.0 | 958.0 | 929.8 | 901.0 | 874.4 | 836.9 | 817.1 | 788.6 | 762.0 | 731.9 | 717.5 |
| 17.5° | 1013.7 | 980.0 | 936.5 | 901.6 | 872.1 | 832.1 | 803.6 | 769.7 | 739.6 | 706.3 | 687.1 |
| 20° | 1034.2 | 994.1 | 946.4 | 902.9 | 865.7 | 818.4 | 786.7 | 751.8 | 714.9 | 676.2 | 655.1 |
| 22.5° | 1046.3 | 1003.7 | 956.7 | 898.1 | 852.9 | 807.2 | 765.2 | 726.1 | 688.7 | 646.1 | 623.7 |
| 25° | 1047.0 | 1008.5 | 958.6 | 895.8 | 842.7 | 790.5 | 742.5 | 705.3 | 660.2 | 621.1 | 588.8 |
| 27.5° | 1036.4 | 1006.0 | 957.6 | 891.4 | 830.8 | 771.0 | 718.8 | 678.1 | 630.4 | 588.2 | 555.8 |
| 30° | 1013.0 | 997.0 | 950.3 | 883.7 | 816.1 | 750.5 | 691.6 | 643.9 | 596.5 | 553.6 | 520.3 |
| 32.5° | 976.8 | 976.5 | 936.8 | 872.8 | 800.4 | 724.5 | 663.1 | 614.7 | 560.9 | 519.0 | 487.6 |
| 35° | 927.2 | 942.6 | 916.7 | 855.5 | 779.9 | 700.2 | 634.3 | 579.2 | 524.8 | 484.4 | 454.6 |
| 37.5° | 864.1 | 899.7 | 889.4 | 832.4 | 753.7 | 674.3 | 602.6 | 544.9 | 492.7 | 451.1 | 422.0 |
| 40° | 798.5 | 847.2 | 854.2 | 805.2 | 725.5 | 643.2 | 566.1 | 508.8 | 458.2 | 421.0 | 391.6 |
| 42.5° | 728.1 | 787.0 | 809.4 | 772.6 | 694.8 | 610.6 | 533.4 | 473.5 | 423.6 | 387.7 | 362.4 |
| 45° | 647.7 | 722.9 | 757.8 | 735.4 | 659.9 | 574.1 | 494.7 | 434.5 | 389.0 | 355.1 | 334.9 |
| 47.5° | 575.0 | 656.7 | 701.2 | 690.6 | 622.4 | 537.2 | 458.8 | 400.2 | 355.1 | 327.5 | 308.6 |
| 50° | 496.9 | 581.4 | 638.1 | 640.7 | 581.4 | 497.2 | 418.5 | 364.0 | 323.4 | 298.1 | 283.4 |
| 52.5° | 429.0 | 508.8 | 571.8 | 588.2 | 535.6 | 455.6 | 382.3 | 328.2 | 293.6 | 270.9 | 258.1 |
| 55° | 371.7 | 439.9 | 508.4 | 533.4 | 490.2 | 413.3 | 344.5 | 296.8 | 263.2 | 247.2 | 235.6 |
| 57.5° | 317.3 | 377.2 | 442.2 | 468.4 | 440.9 | 373.3 | 306.7 | 264.8 | 236.3 | 221.9 | 212.9 |
| 60° | 276.0 | 320.8 | 377.2 | 410.1 | 387.1 | 328.5 | 272.1 | 232.8 | 210.4 | 197.9 | 189.5 |
| 62.5° | 237.6 | 276.0 | 321.5 | 350.9 | 341.0 | 286.6 | 237.6 | 203.9 | 185.4 | 173.9 | 168.4 |
| 65° | 202.3 | 233.7 | 270.5 | 298.4 | 290.1 | 248.1 | 206.8 | 177.1 | 161.7 | 152.4 | 147.6 |
| 67.5° | 172.3 | 196.3 | 222.5 | 248.1 | 241.1 | 210.0 | 175.1 | 151.1 | 139.3 | 131.0 | 128.1 |
| 70° | 144.1 | 161.4 | 184.1 | 203.6 | 198.2 | 173.9 | 147.6 | 127.7 | 117.8 | 111.1 | 108.2 |
| 72.5° | 117.2 | 130.6 | 146.6 | 161.7 | 158.5 | 139.3 | 118.5 | 104.7 | 97.7 | 91.6 | 89.3 |
| 75° | 92.5 | 103.4 | 114.0 | 124.5 | 123.6 | 107.9 | 95.1 | 83.6 | 77.5 | 72.7 | 71.7 |
| 77.5° | 72.4 | 79.1 | 86.8 | 93.5 | 91.9 | 81.6 | 71.1 | 64.0 | 59.2 | 56.0 | 55.7 |
| 80° | 52.2 | 55.7 | 60.8 | 65.3 | 63.1 | 59.2 | 51.2 | 46.4 | 43.2 | 40.0 | 38.7 |
| 82.5° | 34.3 | 37.8 | 40.3 | 42.3 | 40.7 | 37.1 | 33.0 | 30.1 | 28.5 | 26.6 | 26.3 |
| 85° | 19.9 | 21.8 | 23.1 | 23.7 | 23.1 | 20.8 | 18.6 | 17.3 | 15.7 | 14.7 | 14.4 |
| 87.5° | 9.6 | 9.6 | 9.6 | 10.2 | 9.3 | 9.3 | 8.0 | 7.0 | 6.7 | 6.4 | 5.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 | 833.1 |
| 2.5° | 819.3 | 817.4 | 810.7 | 807.2 | 801.4 | 795.9 | 792.4 | 794.0 | 795.3 | 794.7 | 793.7 |
| 5° | 798.5 | 792.4 | 783.1 | 775.1 | 769.4 | 758.8 | 754.3 | 752.1 | 750.2 | 747.9 | 745.7 |
| 7.5° | 775.5 | 766.8 | 753.7 | 743.4 | 733.2 | 719.7 | 713.0 | 709.2 | 705.0 | 700.2 | 695.7 |
| 10° | 750.5 | 737.0 | 722.9 | 706.9 | 694.1 | 682.3 | 671.7 | 664.7 | 658.3 | 652.2 | 647.7 |
| 12.5° | 724.2 | 708.2 | 690.0 | 666.6 | 652.2 | 633.9 | 634.6 | 620.8 | 609.9 | 606.7 | 601.3 |
| 15° | 696.1 | 674.3 | 652.2 | 626.3 | 615.0 | 599.7 | 590.1 | 580.5 | 571.8 | 565.7 | 564.1 |
| 17.5° | 665.3 | 636.2 | 614.7 | 595.5 | 577.3 | 561.6 | 553.3 | 545.6 | 538.2 | 529.2 | 528.9 |
| 20° | 629.1 | 604.8 | 580.8 | 564.5 | 545.6 | 529.6 | 518.7 | 511.0 | 504.9 | 500.1 | 495.9 |
| 22.5° | 594.9 | 567.7 | 546.2 | 528.0 | 509.4 | 497.2 | 489.2 | 481.9 | 477.1 | 471.6 | 467.8 |
| 25° | 557.7 | 536.9 | 512.9 | 492.7 | 477.4 | 469.1 | 462.0 | 455.6 | 452.4 | 448.9 | 444.4 |
| 27.5° | 526.0 | 503.0 | 479.3 | 463.6 | 449.5 | 442.2 | 436.7 | 431.9 | 429.0 | 426.8 | 423.9 |
| 30° | 492.1 | 468.7 | 451.1 | 435.8 | 424.5 | 417.2 | 414.0 | 411.4 | 407.9 | 406.6 | 405.3 |
| 32.5° | 459.4 | 439.0 | 424.5 | 411.7 | 401.2 | 397.0 | 394.1 | 391.9 | 389.3 | 388.0 | 385.2 |
| 35° | 429.0 | 411.4 | 396.7 | 389.3 | 380.7 | 376.5 | 374.3 | 371.1 | 368.5 | 367.2 | 366.9 |
| 37.5° | 399.9 | 383.9 | 374.0 | 364.0 | 359.9 | 357.6 | 354.4 | 352.2 | 351.2 | 350.9 | 350.6 |
| 40° | 371.7 | 359.2 | 350.6 | 342.9 | 341.3 | 337.5 | 334.9 | 333.0 | 333.0 | 333.3 | 333.0 |
| 42.5° | 346.1 | 335.2 | 327.9 | 321.5 | 319.5 | 317.6 | 315.0 | 315.4 | 316.0 | 317.3 | 316.0 |
| 45° | 320.2 | 312.2 | 306.7 | 303.5 | 300.0 | 297.8 | 297.4 | 298.4 | 298.7 | 299.0 | 300.0 |
| 47.5° | 295.8 | 290.7 | 285.6 | 281.8 | 280.2 | 279.8 | 279.2 | 280.8 | 282.4 | 282.7 | 284.3 |
| 50° | 274.7 | 268.6 | 264.5 | 262.2 | 260.9 | 260.3 | 260.9 | 262.9 | 264.1 | 265.7 | 266.7 |
| 52.5° | 251.0 | 247.2 | 244.6 | 243.0 | 242.7 | 243.3 | 243.3 | 245.6 | 247.8 | 248.1 | 248.5 |
| 55° | 229.6 | 226.4 | 225.7 | 222.8 | 224.1 | 223.8 | 225.4 | 226.7 | 228.6 | 230.5 | 230.8 |
| 57.5° | 207.8 | 204.9 | 203.0 | 203.3 | 203.6 | 204.9 | 206.2 | 208.4 | 210.7 | 212.9 | 212.9 |
| 60° | 186.0 | 184.7 | 183.8 | 183.8 | 184.4 | 186.3 | 187.9 | 190.2 | 191.5 | 192.7 | 193.7 |
| 62.5° | 166.2 | 164.9 | 163.9 | 164.6 | 166.5 | 167.4 | 169.4 | 170.3 | 171.6 | 172.9 | 173.2 |
| 65° | 145.0 | 144.4 | 145.4 | 146.0 | 146.3 | 147.9 | 150.2 | 151.1 | 152.4 | 153.0 | 155.3 |
| 67.5° | 125.8 | 125.8 | 125.5 | 126.5 | 128.4 | 128.7 | 131.0 | 133.5 | 133.5 | 134.8 | 136.4 |
| 70° | 106.3 | 106.9 | 107.6 | 108.2 | 109.8 | 110.5 | 112.1 | 113.0 | 114.3 | 115.3 | 116.2 |
| 72.5° | 88.4 | 88.4 | 89.0 | 88.7 | 90.0 | 91.6 | 92.8 | 93.8 | 95.1 | 96.4 | 97.3 |
| 75° | 70.8 | 70.8 | 71.4 | 71.7 | 73.3 | 74.9 | 74.6 | 75.2 | 76.5 | 77.8 | 78.4 |
| 77.5° | 54.7 | 54.1 | 54.7 | 55.1 | 55.7 | 57.0 | 57.3 | 58.3 | 59.9 | 59.6 | 60.2 |
| 80° | 39.4 | 38.4 | 39.4 | 39.7 | 39.7 | 41.3 | 41.3 | 41.9 | 42.9 | 41.9 | 42.9 |
| 82.5° | 25.3 | 25.0 | 25.6 | 25.6 | 26.3 | 25.9 | 26.6 | 26.6 | 27.5 | 27.2 | 27.5 |
| 85° | 14.1 | 13.8 | 14.1 | 13.8 | 14.1 | 14.4 | 14.4 | 14.1 | 14.1 | 14.7 | 13.8 |
| 87.5° | 5.4 | 5.1 | 4.8 | 4.8 | 4.5 | 4.2 | 3.8 | 3.8 | 3.8 | 3.2 | 3.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P333771

CATALOG NUMBER: S122DW-S485D940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 833.1 | 833.1 | 833.1 | 833.1 |
| 2.5° | 790.5 | 789.9 | 789.9 | 787.0 |
| 5° | 741.2 | 740.2 | 738.6 | 740.2 |
| 7.5° | 694.5 | 690.3 | 689.6 | 686.4 |
| 10° | 642.3 | 639.7 | 639.4 | 633.3 |
| 12.5° | 602.6 | 595.5 | 597.1 | 594.2 |
| 15° | 555.5 | 555.5 | 554.2 | 548.8 |
| 17.5° | 521.9 | 521.6 | 518.7 | 520.6 |
| 20° | 492.4 | 490.5 | 486.7 | 486.7 |
| 22.5° | 464.6 | 464.9 | 460.7 | 462.3 |
| 25° | 444.1 | 441.5 | 439.6 | 440.6 |
| 27.5° | 422.9 | 422.0 | 421.7 | 418.8 |
| 30° | 405.0 | 401.8 | 402.5 | 400.9 |
| 32.5° | 384.5 | 383.9 | 382.9 | 381.6 |
| 35° | 366.3 | 366.6 | 365.0 | 365.6 |
| 37.5° | 349.9 | 351.2 | 350.3 | 350.3 |
| 40° | 333.9 | 333.9 | 333.9 | 334.9 |
| 42.5° | 318.6 | 317.9 | 317.3 | 317.0 |
| 45° | 300.6 | 301.6 | 301.9 | 300.3 |
| 47.5° | 285.0 | 285.3 | 285.0 | 286.9 |
| 50° | 268.3 | 267.7 | 268.3 | 267.7 |
| 52.5° | 250.7 | 251.0 | 250.4 | 250.4 |
| 55° | 232.1 | 232.8 | 232.4 | 232.4 |
| 57.5° | 213.2 | 213.6 | 214.2 | 212.6 |
| 60° | 193.4 | 195.0 | 194.7 | 194.0 |
| 62.5° | 175.1 | 175.5 | 175.5 | 175.5 |
| 65° | 156.2 | 156.9 | 155.9 | 156.9 |
| 67.5° | 135.8 | 136.1 | 136.7 | 137.0 |
| 70° | 116.9 | 116.5 | 117.5 | 118.5 |
| 72.5° | 97.0 | 98.0 | 97.3 | 98.0 |
| 75° | 77.8 | 78.8 | 78.4 | 79.4 |
| 77.5° | 59.6 | 59.9 | 59.9 | 60.2 |
| 80° | 42.9 | 42.3 | 41.6 | 42.9 |
| 82.5° | 26.6 | 27.2 | 26.6 | 26.3 |
| 85° | 13.8 | 13.4 | 12.8 | 12.8 |
| 87.5° | 3.2 | 2.9 | 2.9 | 2.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)