

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: P333741

Luminaire Tested: **S122DS-S485D830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333741
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: S122DS-S485D830-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 485 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1942.6 lumens
Efficiency: N/A
Efficacy: 103.3 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

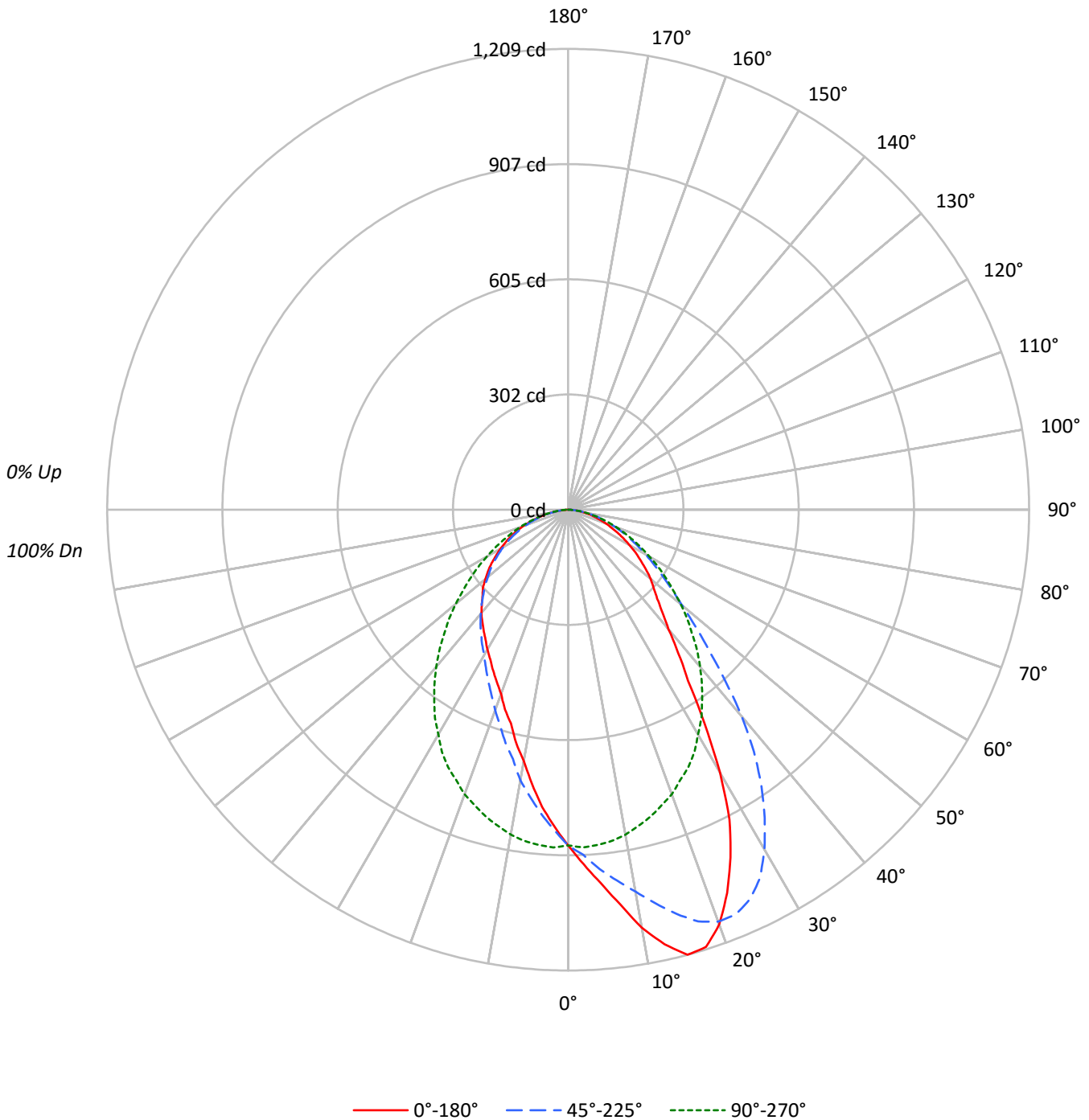
Input Watts (W): 18.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 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° | 14218 | 14218 | 14218 |
| 5° | 15940 | 14310 | 12681 |
| 10° | 18266 | 14193 | 10975 |
| 15° | 20206 | 13932 | 9697 |
| 20° | 19899 | 13653 | 8838 |
| 25° | 17941 | 13281 | 8296 |
| 30° | 14827 | 12689 | 7899 |
| 35° | 10805 | 12067 | 7618 |
| 40° | 8631 | 11335 | 7461 |
| 45° | 7542 | 10485 | 7247 |
| 50° | 7088 | 9666 | 7106 |
| 55° | 6536 | 8830 | 6916 |
| 60° | 5990 | 7944 | 6623 |
| 65° | 5456 | 7148 | 6334 |
| 70° | 4952 | 6373 | 5910 |
| 75° | 4392 | 5508 | 5234 |
| 80° | 3775 | 4565 | 4212 |
| 85° | 3390 | 3390 | 2501 |



TEST NUMBER: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 83.9 | 4.3 |
| 10°-20° | 244.1 | 12.6 |
| 20°-30° | 354.3 | 18.2 |
| 30°-40° | 373.5 | 19.2 |
| 40°-50° | 330.5 | 17.0 |
| 50°-60° | 263.8 | 13.6 |
| 60°-70° | 179.2 | 9.2 |
| 70°-80° | 91.7 | 4.7 |
| 80°-90° | 21.7 | 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° | 682.3 | 35.1 |
| 0°-40° | 1055.8 | 54.3 |
| 0°-60° | 1650.0 | 84.9 |
| 0°-90° | 1942.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1942.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 881 | 881 | 881 | 881 | 881 | |
| 5° | 984 | 947 | 883 | 802 | 782 | 98 |
| 15° | 1209 | 1098 | 834 | 634 | 580 | 335 |
| 25° | 1007 | 1128 | 746 | 496 | 466 | 457 |
| 35° | 548 | 883 | 612 | 398 | 386 | 355 |
| 45° | 330 | 523 | 459 | 315 | 317 | 259 |
| 55° | 232 | 301 | 314 | 237 | 246 | 208 |
| 65° | 143 | 178 | 187 | 156 | 166 | 142 |
| 75° | 70 | 86 | 88 | 79 | 84 | 75 |
| 85° | 18 | 20 | 18 | 15 | 14 | 21 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 |
| 2.5° | 931.3 | 931.7 | 932.4 | 926.9 | 926.3 | 926.3 | 921.5 | 917.5 | 912.7 | 906.3 | 907.0 |
| 5° | 983.5 | 987.2 | 988.5 | 984.5 | 978.4 | 977.7 | 972.0 | 962.5 | 953.7 | 946.6 | 941.5 |
| 7.5° | 1043.7 | 1045.1 | 1042.3 | 1037.6 | 1033.5 | 1025.8 | 1016.3 | 1007.1 | 993.6 | 981.4 | 972.6 |
| 10° | 1114.1 | 1116.1 | 1110.4 | 1102.6 | 1096.2 | 1086.7 | 1071.1 | 1055.2 | 1035.9 | 1017.3 | 1002.4 |
| 12.5° | 1167.6 | 1173.3 | 1165.5 | 1166.2 | 1154.0 | 1140.1 | 1120.9 | 1114.8 | 1085.7 | 1057.9 | 1041.7 |
| 15° | 1208.8 | 1208.5 | 1209.2 | 1202.8 | 1194.6 | 1192.6 | 1173.0 | 1151.7 | 1113.4 | 1098.2 | 1071.8 |
| 17.5° | 1202.8 | 1207.5 | 1210.2 | 1208.2 | 1206.8 | 1203.8 | 1195.3 | 1179.4 | 1158.4 | 1132.7 | 1101.2 |
| 20° | 1158.1 | 1164.9 | 1165.9 | 1173.7 | 1178.1 | 1183.8 | 1186.2 | 1182.5 | 1170.6 | 1150.0 | 1123.6 |
| 22.5° | 1089.0 | 1089.7 | 1093.4 | 1106.6 | 1117.5 | 1134.1 | 1142.9 | 1159.4 | 1156.7 | 1149.3 | 1128.3 |
| 25° | 1007.1 | 1003.8 | 1015.6 | 1021.7 | 1043.7 | 1066.7 | 1083.3 | 1101.6 | 1117.8 | 1127.6 | 1121.2 |
| 27.5° | 916.4 | 909.3 | 927.3 | 943.2 | 958.8 | 981.1 | 1006.1 | 1035.9 | 1058.6 | 1089.4 | 1096.8 |
| 30° | 795.3 | 798.3 | 815.3 | 832.5 | 859.6 | 894.8 | 923.9 | 957.4 | 993.6 | 1029.1 | 1053.8 |
| 32.5° | 664.7 | 678.5 | 687.7 | 716.4 | 739.5 | 779.7 | 825.8 | 869.7 | 917.1 | 958.8 | 1000.4 |
| 35° | 548.2 | 561.8 | 576.7 | 596.0 | 629.5 | 668.4 | 710.0 | 766.5 | 828.1 | 883.3 | 928.6 |
| 37.5° | 474.5 | 472.1 | 481.2 | 495.5 | 524.2 | 557.7 | 607.1 | 664.7 | 738.4 | 799.7 | 860.6 |
| 40° | 409.5 | 408.1 | 414.2 | 427.1 | 447.7 | 470.7 | 512.7 | 561.8 | 629.1 | 708.3 | 784.5 |
| 42.5° | 364.8 | 366.2 | 368.9 | 377.0 | 389.5 | 407.5 | 436.2 | 476.2 | 536.4 | 609.8 | 693.1 |
| 45° | 330.3 | 332.7 | 336.4 | 340.8 | 348.9 | 364.5 | 382.1 | 411.9 | 460.6 | 522.9 | 603.4 |
| 47.5° | 303.2 | 303.9 | 308.0 | 312.0 | 316.8 | 326.2 | 341.8 | 360.8 | 398.0 | 451.1 | 523.2 |
| 50° | 282.2 | 279.9 | 282.6 | 285.6 | 290.7 | 296.8 | 306.3 | 323.9 | 346.9 | 387.8 | 445.7 |
| 52.5° | 256.5 | 257.2 | 259.6 | 260.2 | 264.6 | 270.7 | 279.2 | 290.0 | 310.3 | 340.1 | 385.1 |
| 55° | 232.2 | 233.9 | 235.2 | 237.2 | 241.3 | 245.7 | 252.5 | 260.6 | 276.8 | 300.9 | 336.1 |
| 57.5° | 209.1 | 209.8 | 210.8 | 215.2 | 217.6 | 221.7 | 228.4 | 235.9 | 246.7 | 265.3 | 293.1 |
| 60° | 185.5 | 185.5 | 188.2 | 189.9 | 193.2 | 197.3 | 202.4 | 209.5 | 219.0 | 233.5 | 254.8 |
| 62.5° | 163.8 | 163.5 | 164.1 | 167.2 | 169.5 | 173.3 | 178.3 | 184.1 | 192.9 | 205.4 | 222.0 |
| 65° | 142.8 | 142.1 | 144.2 | 144.8 | 147.6 | 151.3 | 155.3 | 161.8 | 168.9 | 178.3 | 193.9 |
| 67.5° | 121.8 | 122.8 | 124.2 | 125.6 | 126.9 | 131.3 | 134.0 | 138.8 | 144.8 | 153.0 | 163.8 |
| 70° | 104.9 | 104.9 | 104.9 | 105.9 | 108.0 | 110.0 | 112.7 | 116.4 | 122.2 | 128.9 | 138.4 |
| 72.5° | 86.0 | 87.3 | 88.7 | 87.7 | 90.4 | 91.4 | 94.8 | 96.5 | 101.9 | 105.6 | 113.7 |
| 75° | 70.4 | 70.4 | 70.4 | 72.1 | 73.1 | 74.1 | 76.1 | 78.2 | 80.9 | 86.3 | 90.7 |
| 77.5° | 55.5 | 55.2 | 55.5 | 55.8 | 57.2 | 58.5 | 59.2 | 60.9 | 63.6 | 66.3 | 70.4 |
| 80° | 40.6 | 41.3 | 41.6 | 42.3 | 42.3 | 43.0 | 43.3 | 45.7 | 47.4 | 49.1 | 51.4 |
| 82.5° | 29.1 | 29.1 | 29.1 | 29.1 | 29.4 | 29.8 | 30.8 | 31.1 | 31.5 | 32.8 | 34.5 |
| 85° | 18.3 | 17.9 | 17.9 | 18.6 | 18.3 | 18.3 | 19.0 | 19.6 | 19.6 | 20.0 | 21.0 |
| 87.5° | 8.8 | 8.8 | 9.1 | 8.8 | 8.8 | 9.1 | 9.1 | 8.8 | 9.1 | 9.5 | 9.8 |
| 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: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 |
| 2.5° | 909.3 | 906.6 | 904.9 | 898.9 | 893.4 | 888.0 | 886.3 | 887.0 | 879.6 | 872.5 | 869.4 |
| 5° | 938.8 | 932.0 | 925.6 | 916.4 | 905.6 | 893.8 | 887.7 | 882.9 | 871.1 | 858.2 | 850.8 |
| 7.5° | 965.5 | 956.7 | 945.2 | 929.0 | 914.1 | 896.5 | 885.7 | 876.5 | 859.9 | 842.7 | 832.2 |
| 10° | 989.5 | 976.4 | 960.4 | 939.5 | 920.2 | 897.5 | 881.6 | 865.7 | 845.4 | 823.7 | 810.2 |
| 12.5° | 1010.2 | 991.2 | 975.7 | 947.2 | 923.6 | 893.8 | 874.1 | 850.1 | 828.5 | 801.7 | 788.5 |
| 15° | 1045.4 | 1012.6 | 982.8 | 952.3 | 924.2 | 884.6 | 863.7 | 833.5 | 805.4 | 773.6 | 758.4 |
| 17.5° | 1071.4 | 1035.9 | 989.9 | 953.0 | 921.9 | 879.6 | 849.4 | 813.6 | 781.8 | 746.6 | 726.3 |
| 20° | 1093.1 | 1050.8 | 1000.4 | 954.4 | 915.1 | 865.0 | 831.5 | 794.6 | 755.7 | 714.7 | 692.4 |
| 22.5° | 1106.0 | 1061.0 | 1011.2 | 949.3 | 901.6 | 853.2 | 808.8 | 767.5 | 727.9 | 682.9 | 659.2 |
| 25° | 1106.6 | 1066.0 | 1013.2 | 946.9 | 890.7 | 835.6 | 784.8 | 745.5 | 697.8 | 656.5 | 622.4 |
| 27.5° | 1095.5 | 1063.3 | 1012.2 | 942.2 | 878.2 | 814.9 | 759.8 | 716.8 | 666.4 | 621.7 | 587.5 |
| 30° | 1070.8 | 1053.8 | 1004.4 | 934.0 | 862.6 | 793.3 | 731.0 | 680.6 | 630.5 | 585.1 | 549.9 |
| 32.5° | 1032.5 | 1032.2 | 990.2 | 922.5 | 846.1 | 765.9 | 700.9 | 649.8 | 592.9 | 548.6 | 515.4 |
| 35° | 980.1 | 996.3 | 968.9 | 904.3 | 824.4 | 740.1 | 670.4 | 612.2 | 554.7 | 512.0 | 480.6 |
| 37.5° | 913.4 | 951.0 | 940.1 | 879.9 | 796.6 | 712.7 | 636.9 | 576.0 | 520.8 | 476.8 | 446.0 |
| 40° | 844.0 | 895.5 | 902.9 | 851.1 | 766.9 | 679.9 | 598.3 | 537.8 | 484.3 | 445.0 | 413.9 |
| 42.5° | 769.6 | 831.8 | 855.5 | 816.6 | 734.4 | 645.4 | 563.8 | 500.5 | 447.7 | 409.8 | 383.1 |
| 45° | 684.6 | 764.2 | 801.0 | 777.4 | 697.5 | 606.8 | 522.9 | 459.2 | 411.2 | 375.3 | 354.0 |
| 47.5° | 607.8 | 694.1 | 741.1 | 730.0 | 657.9 | 567.9 | 485.0 | 423.0 | 375.3 | 346.2 | 326.2 |
| 50° | 525.2 | 614.6 | 674.5 | 677.2 | 614.6 | 525.6 | 442.3 | 384.8 | 341.8 | 315.1 | 299.5 |
| 52.5° | 453.5 | 537.8 | 604.4 | 621.7 | 566.2 | 481.6 | 404.1 | 346.9 | 310.3 | 286.3 | 272.8 |
| 55° | 392.9 | 465.0 | 537.4 | 563.8 | 518.1 | 436.9 | 364.1 | 313.7 | 278.2 | 261.3 | 249.1 |
| 57.5° | 335.4 | 398.7 | 467.4 | 495.1 | 466.0 | 394.6 | 324.2 | 279.9 | 249.8 | 234.5 | 225.1 |
| 60° | 291.7 | 339.1 | 398.7 | 433.5 | 409.2 | 347.2 | 287.7 | 246.0 | 222.3 | 209.1 | 200.3 |
| 62.5° | 251.1 | 291.7 | 339.8 | 370.9 | 360.4 | 302.9 | 251.1 | 215.6 | 195.9 | 183.8 | 178.0 |
| 65° | 213.9 | 247.0 | 286.0 | 315.4 | 306.6 | 262.3 | 218.6 | 187.1 | 170.9 | 161.1 | 156.0 |
| 67.5° | 182.1 | 207.5 | 235.2 | 262.3 | 254.8 | 222.0 | 185.1 | 159.7 | 147.2 | 138.4 | 135.4 |
| 70° | 152.3 | 170.6 | 194.6 | 215.2 | 209.5 | 183.8 | 156.0 | 135.0 | 124.5 | 117.4 | 114.4 |
| 72.5° | 123.9 | 138.1 | 155.0 | 170.9 | 167.5 | 147.2 | 125.2 | 110.7 | 103.2 | 96.8 | 94.4 |
| 75° | 97.8 | 109.3 | 120.5 | 131.6 | 130.6 | 114.0 | 100.5 | 88.3 | 81.9 | 76.8 | 75.8 |
| 77.5° | 76.5 | 83.6 | 91.7 | 98.8 | 97.1 | 86.3 | 75.1 | 67.7 | 62.6 | 59.2 | 58.9 |
| 80° | 55.2 | 58.9 | 64.3 | 69.0 | 66.7 | 62.6 | 54.1 | 49.1 | 45.7 | 42.3 | 40.9 |
| 82.5° | 36.2 | 39.9 | 42.6 | 44.7 | 43.0 | 39.3 | 34.9 | 31.8 | 30.1 | 28.1 | 27.8 |
| 85° | 21.0 | 23.0 | 24.4 | 25.0 | 24.4 | 22.0 | 19.6 | 18.3 | 16.6 | 15.6 | 15.2 |
| 87.5° | 10.2 | 10.2 | 10.2 | 10.8 | 9.8 | 9.8 | 8.5 | 7.4 | 7.1 | 6.8 | 6.1 |
| 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: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 | 880.6 |
| 2.5° | 866.0 | 864.0 | 856.9 | 853.2 | 847.1 | 841.3 | 837.6 | 839.3 | 840.6 | 840.0 | 839.0 |
| 5° | 844.0 | 837.6 | 827.8 | 819.3 | 813.2 | 802.1 | 797.3 | 795.0 | 792.9 | 790.6 | 788.2 |
| 7.5° | 819.7 | 810.5 | 796.6 | 785.8 | 775.0 | 760.8 | 753.7 | 749.6 | 745.2 | 740.1 | 735.4 |
| 10° | 793.3 | 779.0 | 764.2 | 747.2 | 733.7 | 721.2 | 710.0 | 702.6 | 695.8 | 689.4 | 684.6 |
| 12.5° | 765.5 | 748.6 | 729.3 | 704.6 | 689.4 | 670.1 | 670.8 | 656.2 | 644.7 | 641.3 | 635.6 |
| 15° | 735.7 | 712.7 | 689.4 | 662.0 | 650.1 | 633.9 | 623.7 | 613.6 | 604.4 | 598.0 | 596.3 |
| 17.5° | 703.2 | 672.4 | 649.8 | 629.5 | 610.2 | 593.6 | 584.8 | 576.7 | 568.9 | 559.4 | 559.1 |
| 20° | 665.0 | 639.3 | 613.9 | 596.6 | 576.7 | 559.8 | 548.2 | 540.1 | 533.7 | 528.6 | 524.2 |
| 22.5° | 628.8 | 600.0 | 577.3 | 558.1 | 538.4 | 525.6 | 517.1 | 509.3 | 504.3 | 498.5 | 494.4 |
| 25° | 589.5 | 567.5 | 542.2 | 520.8 | 504.6 | 495.8 | 488.3 | 481.6 | 478.2 | 474.5 | 469.7 |
| 27.5° | 556.0 | 531.7 | 506.6 | 490.0 | 475.1 | 467.4 | 461.6 | 456.5 | 453.5 | 451.1 | 448.1 |
| 30° | 520.2 | 495.5 | 476.8 | 460.6 | 448.7 | 441.0 | 437.6 | 434.9 | 431.2 | 429.8 | 428.4 |
| 32.5° | 485.6 | 464.0 | 448.7 | 435.2 | 424.0 | 419.6 | 416.6 | 414.2 | 411.5 | 410.2 | 407.1 |
| 35° | 453.5 | 434.9 | 419.3 | 411.5 | 402.4 | 398.0 | 395.6 | 392.2 | 389.5 | 388.2 | 387.8 |
| 37.5° | 422.7 | 405.8 | 395.3 | 384.8 | 380.4 | 378.0 | 374.6 | 372.3 | 371.3 | 370.9 | 370.6 |
| 40° | 392.9 | 379.7 | 370.6 | 362.5 | 360.8 | 356.7 | 354.0 | 352.0 | 352.0 | 352.3 | 352.0 |
| 42.5° | 365.8 | 354.3 | 346.5 | 339.8 | 337.7 | 335.7 | 333.0 | 333.3 | 334.0 | 335.4 | 334.0 |
| 45° | 338.4 | 330.0 | 324.2 | 320.8 | 317.1 | 314.7 | 314.4 | 315.4 | 315.7 | 316.1 | 317.1 |
| 47.5° | 312.7 | 307.3 | 301.9 | 297.8 | 296.1 | 295.8 | 295.1 | 296.8 | 298.5 | 298.8 | 300.5 |
| 50° | 290.4 | 283.9 | 279.5 | 277.2 | 275.8 | 275.1 | 275.8 | 277.8 | 279.2 | 280.9 | 281.9 |
| 52.5° | 265.3 | 261.3 | 258.6 | 256.9 | 256.5 | 257.2 | 257.2 | 259.6 | 261.9 | 262.3 | 262.6 |
| 55° | 242.6 | 239.3 | 238.6 | 235.5 | 236.9 | 236.6 | 238.2 | 239.6 | 241.6 | 243.7 | 244.0 |
| 57.5° | 219.6 | 216.6 | 214.6 | 214.9 | 215.2 | 216.6 | 217.9 | 220.3 | 222.7 | 225.1 | 225.1 |
| 60° | 196.6 | 195.3 | 194.3 | 194.3 | 194.9 | 197.0 | 198.7 | 201.0 | 202.4 | 203.7 | 204.7 |
| 62.5° | 175.6 | 174.3 | 173.3 | 173.9 | 176.0 | 177.0 | 179.0 | 180.0 | 181.4 | 182.7 | 183.1 |
| 65° | 153.3 | 152.6 | 153.6 | 154.3 | 154.7 | 156.4 | 158.7 | 159.7 | 161.1 | 161.8 | 164.1 |
| 67.5° | 133.0 | 133.0 | 132.7 | 133.7 | 135.7 | 136.0 | 138.4 | 141.1 | 141.1 | 142.5 | 144.2 |
| 70° | 112.4 | 113.0 | 113.7 | 114.4 | 116.1 | 116.8 | 118.4 | 119.5 | 120.8 | 121.8 | 122.8 |
| 72.5° | 93.4 | 93.4 | 94.1 | 93.7 | 95.1 | 96.8 | 98.1 | 99.2 | 100.5 | 101.9 | 102.9 |
| 75° | 74.8 | 74.8 | 75.5 | 75.8 | 77.5 | 79.2 | 78.9 | 79.5 | 80.9 | 82.2 | 82.9 |
| 77.5° | 57.9 | 57.2 | 57.9 | 58.2 | 58.9 | 60.2 | 60.6 | 61.6 | 63.3 | 62.9 | 63.6 |
| 80° | 41.6 | 40.6 | 41.6 | 42.0 | 42.0 | 43.7 | 43.7 | 44.3 | 45.3 | 44.3 | 45.3 |
| 82.5° | 26.7 | 26.4 | 27.1 | 27.1 | 27.8 | 27.4 | 28.1 | 28.1 | 29.1 | 28.8 | 29.1 |
| 85° | 14.9 | 14.6 | 14.9 | 14.6 | 14.9 | 15.2 | 15.2 | 14.9 | 14.9 | 15.6 | 14.6 |
| 87.5° | 5.8 | 5.4 | 5.1 | 5.1 | 4.7 | 4.4 | 4.1 | 4.1 | 4.1 | 3.4 | 3.4 |
| 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: P333741

CATALOG NUMBER: S122DS-S485D830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 880.6 | 880.6 | 880.6 | 880.6 |
| 2.5° | 835.6 | 834.9 | 834.9 | 831.8 |
| 5° | 783.4 | 782.4 | 780.7 | 782.4 |
| 7.5° | 734.0 | 729.6 | 729.0 | 725.6 |
| 10° | 678.9 | 676.2 | 675.8 | 669.4 |
| 12.5° | 636.9 | 629.5 | 631.2 | 628.1 |
| 15° | 587.2 | 587.2 | 585.8 | 580.1 |
| 17.5° | 551.6 | 551.3 | 548.2 | 550.3 |
| 20° | 520.5 | 518.5 | 514.4 | 514.4 |
| 22.5° | 491.1 | 491.4 | 487.0 | 488.7 |
| 25° | 469.4 | 466.7 | 464.7 | 465.7 |
| 27.5° | 447.1 | 446.0 | 445.7 | 442.7 |
| 30° | 428.1 | 424.7 | 425.4 | 423.7 |
| 32.5° | 406.4 | 405.8 | 404.8 | 403.4 |
| 35° | 387.2 | 387.5 | 385.8 | 386.5 |
| 37.5° | 369.9 | 371.3 | 370.2 | 370.2 |
| 40° | 353.0 | 353.0 | 353.0 | 354.0 |
| 42.5° | 336.7 | 336.1 | 335.4 | 335.0 |
| 45° | 317.8 | 318.8 | 319.1 | 317.4 |
| 47.5° | 301.2 | 301.5 | 301.2 | 303.2 |
| 50° | 283.6 | 282.9 | 283.6 | 282.9 |
| 52.5° | 265.0 | 265.3 | 264.6 | 264.6 |
| 55° | 245.4 | 246.0 | 245.7 | 245.7 |
| 57.5° | 225.4 | 225.7 | 226.4 | 224.7 |
| 60° | 204.4 | 206.1 | 205.8 | 205.1 |
| 62.5° | 185.1 | 185.5 | 185.5 | 185.5 |
| 65° | 165.2 | 165.8 | 164.8 | 165.8 |
| 67.5° | 143.5 | 143.8 | 144.5 | 144.8 |
| 70° | 123.5 | 123.2 | 124.2 | 125.2 |
| 72.5° | 102.5 | 103.6 | 102.9 | 103.6 |
| 75° | 82.2 | 83.3 | 82.9 | 83.9 |
| 77.5° | 62.9 | 63.3 | 63.3 | 63.6 |
| 80° | 45.3 | 44.7 | 44.0 | 45.3 |
| 82.5° | 28.1 | 28.8 | 28.1 | 27.8 |
| 85° | 14.6 | 14.2 | 13.5 | 13.5 |
| 87.5° | 3.4 | 3.0 | 3.0 | 2.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)