

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: P243155

Luminaire Tested: **S122DR-H485D835-X4F0-XX-UDD-A-W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P243155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-58)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DR-H485D835-X4F0-XX-UDD-A-W
Description: DEFINE 2 DIRECT RECESSED WITH ASYMMETRIC FLUSH DIFFUSER.
HIGH PERFORMANCE LIGHT ENGINE
Light Source: (184) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1998.9 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.16 / 1.24
Luminous Opening: Rectangular (W 3.88' x L: 0.15' x H: 0')
CIE Type: Direct

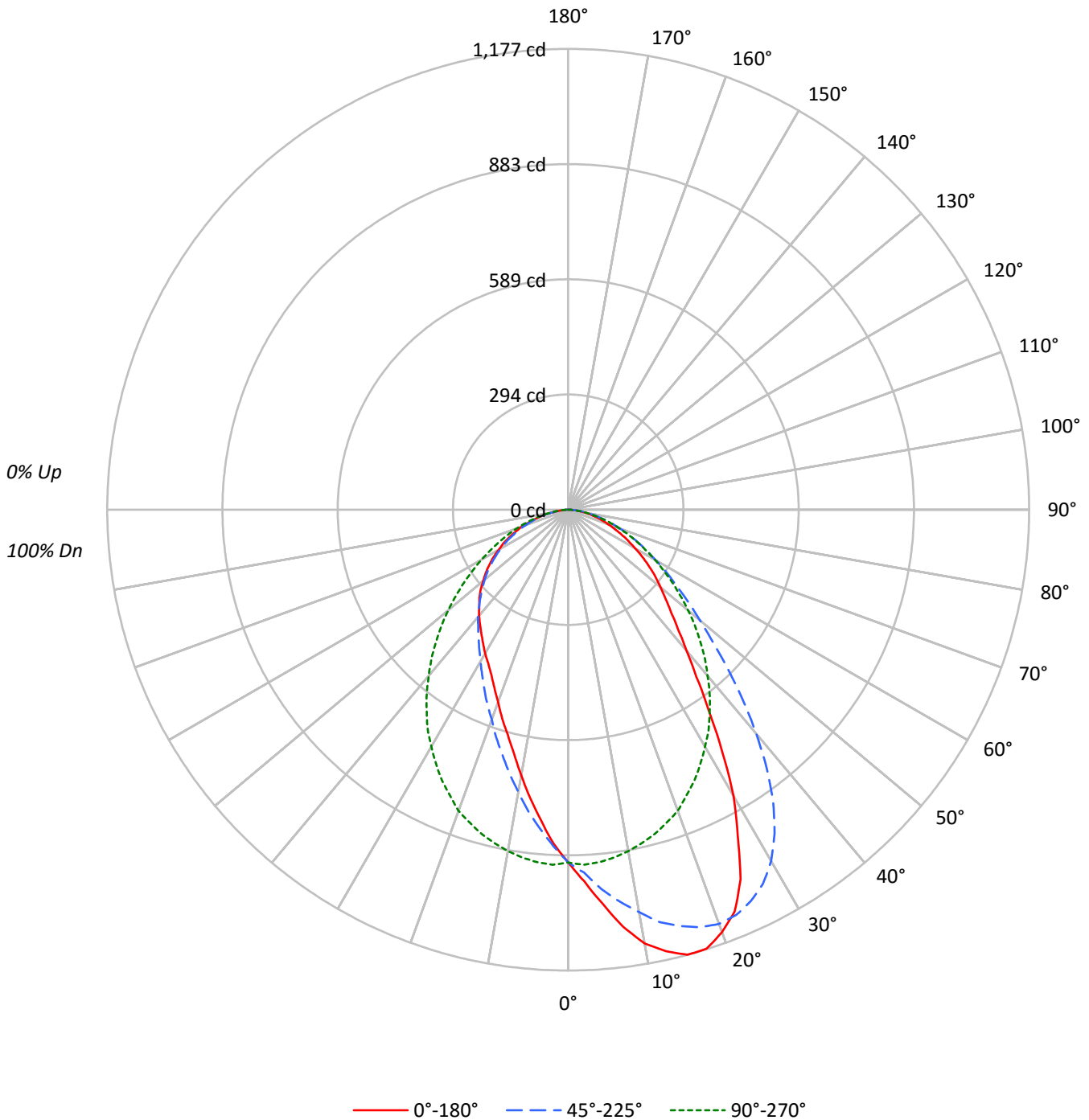
Input Watts (W): 17.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

Luminous Intensity Polar Plot





TEST NUMBER: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

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 | 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 | | | | 86 |
| 2 | 101 | 93 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 74 | | | | 74 |
| 3 | 93 | 83 | 76 | 70 | 90 | 82 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 73 | 69 | 66 | 63 | | | | 63 |
| 4 | 86 | 74 | 66 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 68 | 63 | 58 | 66 | 61 | 57 | 55 | | | | 55 |
| 5 | 79 | 67 | 59 | 52 | 77 | 66 | 58 | 52 | 64 | 57 | 52 | 62 | 56 | 51 | 60 | 55 | 51 | 49 | | | | 49 |
| 6 | 73 | 61 | 52 | 46 | 72 | 60 | 52 | 46 | 58 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 43 | | | | 43 |
| 7 | 68 | 56 | 47 | 41 | 67 | 55 | 47 | 41 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 40 | 39 | | | | 39 |
| 8 | 64 | 51 | 43 | 37 | 62 | 50 | 43 | 37 | 49 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 35 | | | | 35 |
| 9 | 60 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 33 | 32 | | | | 32 |
| 10 | 56 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 35 | 31 | 41 | 35 | 31 | 40 | 35 | 31 | 29 | | | | 29 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 17158 | 17158 | 17158 |
| 5° | 19327 | 17281 | 15222 |
| 10° | 21755 | 17127 | 13322 |
| 15° | 23206 | 16896 | 11741 |
| 20° | 23274 | 16591 | 10595 |
| 25° | 21889 | 16038 | 9767 |
| 30° | 18581 | 15370 | 9328 |
| 35° | 14528 | 14652 | 8978 |
| 40° | 11672 | 13770 | 8805 |
| 45° | 10040 | 12860 | 8639 |
| 50° | 9109 | 11835 | 8398 |
| 55° | 8392 | 10783 | 8169 |
| 60° | 7543 | 9714 | 7798 |
| 65° | 6792 | 8730 | 7423 |
| 70° | 6054 | 7763 | 6945 |
| 75° | 5446 | 6675 | 6086 |
| 80° | 4750 | 5375 | 4750 |
| 85° | 4087 | 3999 | 2623 |



TEST NUMBER: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.8 | 4.3 |
| 10°-20° | 246.7 | 12.3 |
| 20°-30° | 358.7 | 17.9 |
| 30°-40° | 384.8 | 19.3 |
| 40°-50° | 344.9 | 17.3 |
| 50°-60° | 274.9 | 13.8 |
| 60°-70° | 186.0 | 9.3 |
| 70°-80° | 94.8 | 4.7 |
| 80°-90° | 22.2 | 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° | 691.2 | 34.6 |
| 0°-40° | 1076.0 | 53.8 |
| 0°-60° | 1695.8 | 84.8 |
| 0°-90° | 1998.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1998.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 901 | 901 | 901 | 901 | 901 | |
| 5° | 1011 | 972 | 904 | 818 | 796 | 100 |
| 15° | 1177 | 1100 | 857 | 648 | 595 | 330 |
| 25° | 1042 | 1103 | 763 | 507 | 465 | 469 |
| 35° | 625 | 913 | 630 | 399 | 386 | 396 |
| 45° | 373 | 577 | 477 | 317 | 321 | 292 |
| 55° | 253 | 336 | 325 | 239 | 246 | 226 |
| 65° | 151 | 195 | 194 | 157 | 165 | 150 |
| 75° | 74 | 92 | 91 | 78 | 83 | 79 |
| 85° | 19 | 21 | 18 | 14 | 12 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 |
| 2.5° | 950.8 | 953.8 | 951.1 | 950.1 | 948.1 | 947.5 | 942.1 | 937.8 | 935.1 | 927.8 | 928.5 |
| 5° | 1010.8 | 1017.5 | 1013.8 | 1013.5 | 1006.2 | 1001.5 | 996.8 | 990.2 | 980.2 | 972.2 | 965.8 |
| 7.5° | 1074.2 | 1070.8 | 1069.8 | 1066.2 | 1060.8 | 1054.2 | 1043.8 | 1034.2 | 1021.5 | 1009.8 | 1001.2 |
| 10° | 1124.8 | 1123.8 | 1125.5 | 1116.2 | 1112.8 | 1102.5 | 1093.5 | 1078.5 | 1062.2 | 1043.8 | 1032.5 |
| 12.5° | 1154.8 | 1157.8 | 1160.2 | 1156.5 | 1148.5 | 1145.5 | 1130.5 | 1109.5 | 1103.8 | 1078.8 | 1065.2 |
| 15° | 1176.8 | 1178.2 | 1178.5 | 1174.5 | 1170.5 | 1162.8 | 1153.8 | 1140.5 | 1122.2 | 1100.5 | 1090.2 |
| 17.5° | 1175.5 | 1175.2 | 1177.2 | 1174.8 | 1172.5 | 1170.2 | 1163.2 | 1152.8 | 1138.5 | 1118.2 | 1100.8 |
| 20° | 1148.2 | 1154.2 | 1158.8 | 1159.8 | 1159.5 | 1160.8 | 1157.5 | 1150.8 | 1140.5 | 1125.8 | 1106.2 |
| 22.5° | 1110.8 | 1108.5 | 1118.5 | 1117.8 | 1122.2 | 1132.2 | 1136.5 | 1133.8 | 1129.8 | 1120.5 | 1104.8 |
| 25° | 1041.5 | 1043.8 | 1050.8 | 1058.2 | 1075.2 | 1081.2 | 1094.2 | 1104.2 | 1105.5 | 1103.2 | 1093.5 |
| 27.5° | 937.5 | 954.1 | 957.8 | 967.5 | 991.2 | 1010.8 | 1037.2 | 1052.8 | 1075.2 | 1077.2 | 1072.8 |
| 30° | 844.8 | 844.1 | 849.8 | 867.1 | 888.8 | 918.5 | 952.5 | 992.8 | 1018.5 | 1036.2 | 1042.5 |
| 32.5° | 730.8 | 733.4 | 748.1 | 769.5 | 791.5 | 821.1 | 860.5 | 909.8 | 944.1 | 980.8 | 1001.5 |
| 35° | 624.8 | 633.1 | 647.1 | 661.8 | 685.8 | 726.4 | 770.1 | 811.1 | 863.8 | 912.8 | 946.1 |
| 37.5° | 537.4 | 548.8 | 559.4 | 573.4 | 596.8 | 628.1 | 667.4 | 721.8 | 774.1 | 833.1 | 882.1 |
| 40° | 469.4 | 473.7 | 481.1 | 494.7 | 510.4 | 541.8 | 581.4 | 622.1 | 678.8 | 746.4 | 810.8 |
| 42.5° | 416.1 | 415.1 | 423.1 | 431.7 | 446.1 | 469.4 | 504.1 | 544.8 | 601.1 | 661.1 | 726.1 |
| 45° | 372.7 | 373.1 | 376.4 | 385.4 | 396.7 | 410.1 | 436.7 | 475.1 | 517.7 | 577.4 | 646.4 |
| 47.5° | 337.4 | 338.4 | 343.4 | 349.7 | 356.4 | 368.7 | 386.4 | 411.4 | 451.4 | 501.4 | 566.1 |
| 50° | 307.4 | 309.0 | 312.4 | 317.0 | 322.1 | 330.7 | 344.1 | 363.7 | 395.4 | 437.7 | 496.4 |
| 52.5° | 280.7 | 281.4 | 282.4 | 286.7 | 290.7 | 298.7 | 308.7 | 324.1 | 349.1 | 384.4 | 430.1 |
| 55° | 252.7 | 252.0 | 254.4 | 258.0 | 261.7 | 267.4 | 277.7 | 290.0 | 307.7 | 335.7 | 373.4 |
| 57.5° | 224.0 | 225.0 | 226.7 | 228.7 | 235.4 | 241.4 | 249.0 | 260.4 | 274.4 | 296.4 | 327.7 |
| 60° | 198.0 | 198.0 | 200.0 | 202.7 | 207.0 | 211.0 | 218.4 | 228.7 | 241.0 | 258.0 | 284.4 |
| 62.5° | 172.7 | 174.0 | 176.0 | 177.4 | 181.4 | 186.4 | 192.0 | 200.0 | 211.4 | 225.0 | 244.7 |
| 65° | 150.7 | 150.0 | 152.0 | 154.7 | 157.7 | 161.0 | 167.4 | 174.0 | 182.7 | 195.0 | 211.4 |
| 67.5° | 128.0 | 130.0 | 130.7 | 132.0 | 134.4 | 138.7 | 141.7 | 148.7 | 155.7 | 166.7 | 180.4 |
| 70° | 108.7 | 110.0 | 111.0 | 112.7 | 114.7 | 116.7 | 119.7 | 125.4 | 132.4 | 140.0 | 149.7 |
| 72.5° | 91.3 | 92.3 | 91.3 | 93.0 | 94.0 | 96.0 | 100.0 | 102.7 | 108.0 | 114.7 | 123.4 |
| 75° | 74.0 | 74.7 | 74.3 | 76.0 | 76.3 | 78.3 | 80.3 | 82.7 | 88.7 | 92.3 | 98.3 |
| 77.5° | 58.0 | 58.7 | 59.0 | 59.7 | 60.3 | 61.3 | 62.3 | 64.7 | 68.0 | 71.3 | 76.0 |
| 80° | 43.3 | 43.3 | 44.3 | 44.7 | 45.0 | 45.7 | 47.3 | 48.0 | 50.3 | 51.3 | 55.0 |
| 82.5° | 30.0 | 30.3 | 30.7 | 30.7 | 31.0 | 31.7 | 32.0 | 33.3 | 34.0 | 35.7 | 37.3 |
| 85° | 18.7 | 19.0 | 19.0 | 19.0 | 20.0 | 19.7 | 19.7 | 20.3 | 21.3 | 21.3 | 22.0 |
| 87.5° | 9.3 | 9.7 | 9.7 | 9.7 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.7 | 10.3 |
| 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: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 |
| 2.5° | 928.1 | 927.8 | 926.5 | 920.5 | 915.8 | 909.8 | 908.8 | 907.8 | 899.5 | 890.5 | 887.8 |
| 5° | 960.8 | 954.8 | 946.5 | 936.5 | 926.5 | 915.5 | 909.1 | 903.8 | 891.1 | 877.1 | 869.1 |
| 7.5° | 992.8 | 981.2 | 968.2 | 952.5 | 935.8 | 918.1 | 906.8 | 896.1 | 878.8 | 860.5 | 849.5 |
| 10° | 1020.2 | 1004.5 | 986.5 | 965.8 | 942.8 | 918.8 | 902.1 | 885.5 | 863.5 | 841.1 | 826.5 |
| 12.5° | 1042.8 | 1022.8 | 999.2 | 971.2 | 950.1 | 917.1 | 893.8 | 871.8 | 847.5 | 818.5 | 802.5 |
| 15° | 1060.2 | 1040.5 | 1008.5 | 980.2 | 952.5 | 908.5 | 880.1 | 856.8 | 824.1 | 795.8 | 770.5 |
| 17.5° | 1081.2 | 1053.2 | 1021.5 | 980.8 | 950.1 | 899.8 | 867.8 | 837.5 | 802.1 | 768.8 | 740.8 |
| 20° | 1090.5 | 1061.2 | 1027.2 | 981.8 | 942.8 | 890.5 | 847.8 | 818.5 | 775.8 | 737.4 | 705.8 |
| 22.5° | 1091.8 | 1063.8 | 1026.8 | 978.8 | 930.1 | 876.8 | 827.8 | 789.5 | 746.8 | 706.1 | 670.4 |
| 25° | 1086.2 | 1059.5 | 1021.2 | 973.5 | 916.1 | 862.1 | 807.5 | 763.1 | 713.8 | 671.8 | 635.4 |
| 27.5° | 1070.8 | 1049.2 | 1012.8 | 961.8 | 901.8 | 839.5 | 779.8 | 731.4 | 682.8 | 635.1 | 600.4 |
| 30° | 1046.2 | 1031.8 | 1000.5 | 946.5 | 883.5 | 814.8 | 755.1 | 698.8 | 646.1 | 601.4 | 564.1 |
| 32.5° | 1014.5 | 1007.5 | 981.5 | 928.1 | 864.8 | 787.8 | 725.4 | 667.4 | 610.1 | 567.8 | 529.4 |
| 35° | 974.2 | 977.8 | 955.8 | 907.5 | 841.1 | 760.5 | 690.8 | 630.1 | 574.1 | 529.1 | 493.7 |
| 37.5° | 921.8 | 939.8 | 925.8 | 880.5 | 810.8 | 732.8 | 654.4 | 593.4 | 534.7 | 491.4 | 460.4 |
| 40° | 863.1 | 894.8 | 888.1 | 850.1 | 778.1 | 700.4 | 619.4 | 553.8 | 496.4 | 455.4 | 425.7 |
| 42.5° | 794.1 | 840.1 | 847.5 | 813.1 | 745.8 | 660.1 | 580.1 | 516.7 | 461.4 | 421.1 | 392.7 |
| 45° | 716.8 | 773.8 | 798.5 | 771.5 | 708.1 | 621.1 | 539.8 | 477.4 | 422.7 | 388.4 | 364.7 |
| 47.5° | 639.1 | 707.8 | 741.1 | 728.1 | 664.1 | 579.4 | 499.7 | 438.7 | 387.1 | 357.1 | 334.7 |
| 50° | 562.4 | 636.1 | 684.8 | 676.1 | 620.8 | 539.8 | 459.4 | 399.4 | 352.1 | 324.4 | 305.4 |
| 52.5° | 495.1 | 564.8 | 617.8 | 622.1 | 572.4 | 494.4 | 416.7 | 361.1 | 320.7 | 295.7 | 279.7 |
| 55° | 428.7 | 493.4 | 551.4 | 562.1 | 521.7 | 446.7 | 377.4 | 324.7 | 288.0 | 267.4 | 254.4 |
| 57.5° | 369.4 | 428.1 | 485.7 | 504.4 | 471.7 | 404.1 | 335.1 | 288.7 | 257.0 | 241.0 | 229.7 |
| 60° | 319.0 | 372.1 | 421.7 | 440.7 | 418.4 | 356.7 | 296.4 | 255.0 | 228.7 | 214.4 | 205.4 |
| 62.5° | 275.0 | 316.0 | 360.1 | 381.1 | 366.1 | 312.4 | 259.7 | 223.0 | 201.7 | 189.4 | 182.4 |
| 65° | 235.4 | 267.0 | 301.7 | 326.1 | 309.4 | 269.4 | 225.4 | 193.7 | 175.7 | 164.4 | 159.4 |
| 67.5° | 198.7 | 225.0 | 252.7 | 272.0 | 263.7 | 227.4 | 190.4 | 165.7 | 150.7 | 142.0 | 137.4 |
| 70° | 165.4 | 185.0 | 207.4 | 222.4 | 216.4 | 188.4 | 159.0 | 139.4 | 126.7 | 120.7 | 116.7 |
| 72.5° | 135.7 | 148.4 | 165.4 | 177.7 | 171.4 | 151.7 | 130.7 | 115.0 | 105.7 | 98.7 | 95.7 |
| 75° | 107.7 | 118.7 | 130.7 | 139.0 | 134.0 | 119.4 | 102.7 | 90.7 | 84.3 | 80.0 | 78.0 |
| 77.5° | 81.7 | 90.3 | 98.7 | 102.7 | 100.3 | 89.7 | 78.3 | 69.0 | 63.7 | 61.0 | 58.7 |
| 80° | 58.7 | 63.7 | 69.3 | 73.0 | 71.7 | 64.3 | 56.3 | 49.0 | 46.7 | 43.3 | 42.7 |
| 82.5° | 39.3 | 43.3 | 44.7 | 46.3 | 45.3 | 42.0 | 36.3 | 32.0 | 30.0 | 28.3 | 28.0 |
| 85° | 23.3 | 24.3 | 26.0 | 26.0 | 25.0 | 22.7 | 19.7 | 18.3 | 16.3 | 16.0 | 15.0 |
| 87.5° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 9.7 | 8.3 | 7.7 | 7.0 | 6.7 | 6.3 |
| 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: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 | 900.8 |
| 2.5° | 885.5 | 882.1 | 877.5 | 872.1 | 867.5 | 860.1 | 857.8 | 857.8 | 859.5 | 857.5 | 855.8 |
| 5° | 862.5 | 855.8 | 849.1 | 838.8 | 830.1 | 818.5 | 815.1 | 811.8 | 811.5 | 808.1 | 803.8 |
| 7.5° | 837.8 | 827.8 | 814.1 | 799.5 | 790.1 | 777.5 | 770.5 | 768.5 | 762.1 | 756.1 | 749.1 |
| 10° | 809.1 | 793.8 | 777.5 | 763.5 | 748.8 | 732.4 | 724.1 | 718.4 | 712.1 | 704.8 | 699.8 |
| 12.5° | 774.5 | 757.1 | 742.1 | 725.8 | 713.4 | 690.4 | 687.8 | 680.4 | 667.8 | 656.8 | 652.8 |
| 15° | 753.1 | 722.8 | 705.8 | 690.8 | 672.1 | 648.4 | 639.8 | 631.8 | 619.8 | 612.8 | 607.1 |
| 17.5° | 715.4 | 688.1 | 666.8 | 646.8 | 628.8 | 610.4 | 597.4 | 590.8 | 581.1 | 575.1 | 569.4 |
| 20° | 681.1 | 651.4 | 629.1 | 605.8 | 587.1 | 570.4 | 559.4 | 551.1 | 546.1 | 540.1 | 534.4 |
| 22.5° | 646.4 | 615.4 | 594.1 | 570.4 | 548.4 | 538.4 | 525.4 | 518.4 | 511.7 | 507.1 | 501.1 |
| 25° | 606.1 | 581.4 | 554.8 | 536.4 | 517.1 | 506.7 | 494.4 | 487.7 | 482.4 | 477.1 | 474.1 |
| 27.5° | 570.1 | 545.1 | 520.4 | 502.1 | 485.7 | 475.7 | 468.1 | 461.7 | 455.1 | 451.1 | 448.7 |
| 30° | 532.7 | 509.7 | 488.1 | 470.4 | 457.7 | 446.7 | 442.1 | 436.1 | 431.1 | 429.4 | 425.7 |
| 32.5° | 499.4 | 473.7 | 456.4 | 440.4 | 429.7 | 422.1 | 418.7 | 412.4 | 411.4 | 409.7 | 407.7 |
| 35° | 466.1 | 444.1 | 427.4 | 413.7 | 404.7 | 399.1 | 394.7 | 393.1 | 391.4 | 389.7 | 388.1 |
| 37.5° | 433.1 | 415.7 | 400.1 | 389.1 | 381.7 | 377.4 | 376.4 | 373.1 | 372.7 | 370.4 | 370.4 |
| 40° | 403.4 | 385.7 | 374.7 | 366.1 | 360.1 | 358.1 | 355.4 | 354.7 | 353.7 | 353.1 | 354.4 |
| 42.5° | 373.7 | 361.7 | 352.4 | 343.4 | 338.7 | 337.1 | 336.4 | 335.4 | 334.7 | 336.7 | 337.4 |
| 45° | 346.1 | 335.7 | 327.7 | 321.4 | 318.7 | 316.7 | 316.7 | 317.7 | 317.4 | 318.4 | 318.4 |
| 47.5° | 320.4 | 311.0 | 304.4 | 302.0 | 298.7 | 298.0 | 298.4 | 298.0 | 299.7 | 301.0 | 302.4 |
| 50° | 296.0 | 287.7 | 282.4 | 280.0 | 279.4 | 278.4 | 279.7 | 280.4 | 281.4 | 282.7 | 283.4 |
| 52.5° | 269.0 | 265.0 | 261.7 | 259.4 | 259.0 | 259.4 | 259.0 | 261.4 | 262.4 | 264.4 | 264.0 |
| 55° | 246.0 | 243.0 | 240.7 | 238.0 | 237.7 | 238.7 | 239.4 | 241.4 | 242.7 | 244.4 | 244.0 |
| 57.5° | 224.4 | 222.0 | 219.4 | 218.7 | 218.4 | 218.7 | 221.7 | 221.4 | 223.4 | 224.7 | 225.4 |
| 60° | 200.7 | 199.0 | 196.7 | 196.7 | 197.7 | 198.4 | 199.4 | 201.0 | 203.0 | 202.7 | 205.0 |
| 62.5° | 179.0 | 177.0 | 176.4 | 177.4 | 177.0 | 178.7 | 179.7 | 179.7 | 182.4 | 183.4 | 184.0 |
| 65° | 157.4 | 156.7 | 155.7 | 155.7 | 156.7 | 157.0 | 158.7 | 159.7 | 160.7 | 162.7 | 164.4 |
| 67.5° | 137.0 | 135.4 | 135.4 | 134.7 | 136.0 | 137.0 | 138.0 | 139.4 | 140.0 | 142.4 | 143.4 |
| 70° | 115.7 | 115.0 | 114.7 | 115.4 | 115.4 | 116.4 | 118.0 | 119.7 | 121.0 | 121.4 | 123.4 |
| 72.5° | 95.0 | 95.0 | 95.0 | 96.0 | 96.7 | 97.7 | 98.0 | 99.3 | 101.3 | 101.7 | 102.7 |
| 75° | 76.3 | 76.7 | 76.3 | 76.7 | 77.0 | 78.0 | 78.7 | 80.0 | 81.3 | 81.7 | 82.3 |
| 77.5° | 59.0 | 58.3 | 57.7 | 58.7 | 59.3 | 61.3 | 61.0 | 61.7 | 63.0 | 62.3 | 63.0 |
| 80° | 41.3 | 42.3 | 41.0 | 43.0 | 43.0 | 42.7 | 43.3 | 44.3 | 44.0 | 44.7 | 44.0 |
| 82.5° | 28.0 | 27.0 | 27.0 | 28.0 | 28.3 | 27.3 | 28.0 | 28.3 | 28.7 | 28.0 | 27.7 |
| 85° | 15.3 | 15.0 | 15.7 | 14.7 | 15.0 | 14.3 | 14.3 | 13.7 | 14.3 | 13.7 | 13.0 |
| 87.5° | 5.7 | 5.3 | 5.7 | 4.7 | 4.3 | 4.0 | 3.7 | 3.7 | 3.0 | 3.0 | 3.0 |
| 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: P243155

CATALOG NUMBER: S122DR-H485D835-X4F0-XX-UDD-A-W

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 900.8 | 900.8 | 900.8 | 900.8 |
| 2.5° | 858.1 | 854.5 | 852.8 | 854.1 |
| 5° | 799.1 | 800.1 | 794.1 | 796.1 |
| 7.5° | 748.1 | 743.8 | 745.1 | 742.8 |
| 10° | 694.1 | 691.8 | 688.1 | 688.8 |
| 12.5° | 657.8 | 642.1 | 641.1 | 638.1 |
| 15° | 606.8 | 598.1 | 596.1 | 595.4 |
| 17.5° | 566.1 | 558.8 | 561.4 | 559.4 |
| 20° | 529.4 | 529.7 | 525.4 | 522.7 |
| 22.5° | 497.1 | 496.4 | 494.7 | 492.1 |
| 25° | 469.7 | 469.7 | 465.7 | 464.7 |
| 27.5° | 444.7 | 445.4 | 442.1 | 442.1 |
| 30° | 426.1 | 423.7 | 423.4 | 424.1 |
| 32.5° | 407.4 | 404.7 | 405.1 | 404.7 |
| 35° | 387.4 | 388.1 | 387.1 | 386.1 |
| 37.5° | 370.4 | 370.4 | 370.4 | 369.4 |
| 40° | 353.7 | 354.4 | 353.4 | 354.1 |
| 42.5° | 337.1 | 337.4 | 337.4 | 336.1 |
| 45° | 320.4 | 320.0 | 319.4 | 320.7 |
| 47.5° | 303.0 | 303.0 | 302.7 | 303.4 |
| 50° | 284.0 | 284.7 | 283.7 | 283.4 |
| 52.5° | 264.7 | 265.0 | 264.7 | 265.4 |
| 55° | 245.0 | 245.0 | 245.4 | 246.0 |
| 57.5° | 224.7 | 227.0 | 225.4 | 226.7 |
| 60° | 204.7 | 205.0 | 205.4 | 204.7 |
| 62.5° | 185.7 | 185.4 | 185.7 | 186.7 |
| 65° | 165.0 | 165.7 | 165.4 | 164.7 |
| 67.5° | 144.7 | 144.0 | 145.0 | 144.0 |
| 70° | 123.0 | 124.4 | 123.4 | 124.7 |
| 72.5° | 103.3 | 103.0 | 103.7 | 102.0 |
| 75° | 82.7 | 82.7 | 83.0 | 82.7 |
| 77.5° | 63.3 | 62.7 | 62.3 | 61.3 |
| 80° | 43.7 | 43.7 | 42.3 | 43.3 |
| 82.5° | 26.7 | 27.0 | 27.3 | 25.3 |
| 85° | 12.7 | 12.7 | 12.3 | 12.0 |
| 87.5° | 2.7 | 2.7 | 3.0 | 3.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)