

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: P333851

Luminaire Tested: **S122RDP-S485D835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDP-S485D835-4F0-1E-UDD-A
Description: DEFINE 2 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 485 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

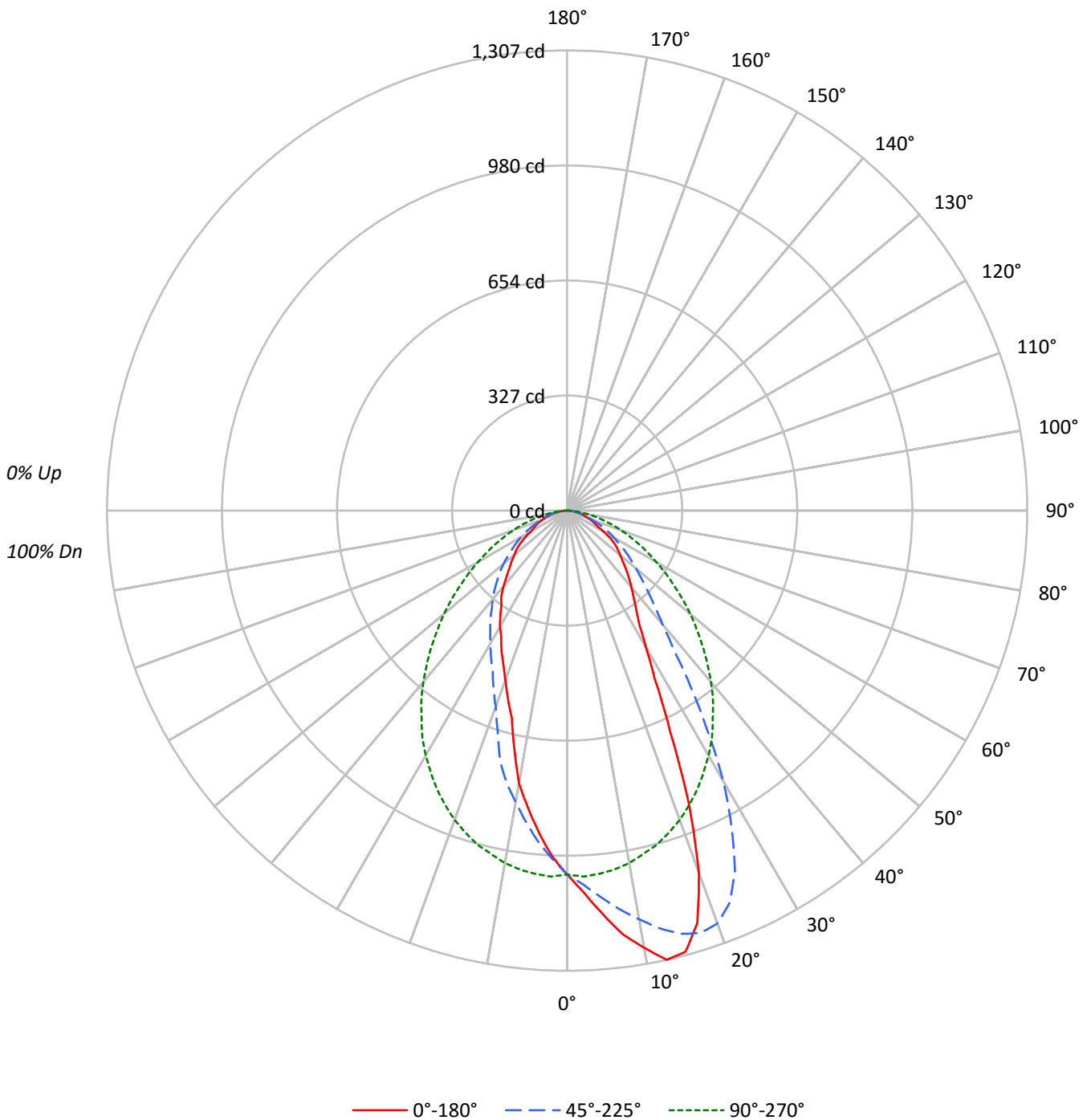
Lumens per Lamp: N/A
Luminaire Lumens: 1785.6 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

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: P333851
CATALOG NUMBER: S122RDP-S485D835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333851

CATALOG NUMBER: S122RDP-S485D835-4F0-1E-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 | 100 | 100 | 100 | 100 | 100 | | |
| 1 | 111 | 106 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | | |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 83 | 90 | 85 | 81 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | | |
| 4 | 87 | 77 | 69 | 63 | 85 | 76 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 40 | 50 | 44 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | | |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | |
| 10 | 59 | 47 | 39 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 44 | 38 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 16683 | 16683 | 16683 |
| 5° | 18632 | 16788 | 14885 |
| 10° | 20672 | 16670 | 12903 |
| 15° | 21688 | 16426 | 10166 |
| 20° | 18802 | 16063 | 8797 |
| 25° | 12332 | 15568 | 7855 |
| 30° | 8300 | 14967 | 7109 |
| 35° | 6723 | 14209 | 6412 |
| 40° | 5977 | 13386 | 5933 |
| 45° | 5412 | 12419 | 5295 |
| 50° | 4923 | 11462 | 4906 |
| 55° | 4628 | 10398 | 4569 |
| 60° | 3872 | 9426 | 3827 |
| 65° | 3263 | 8558 | 3702 |
| 70° | 3017 | 7643 | 3493 |
| 75° | 2820 | 6650 | 3225 |
| 80° | 2603 | 5477 | 2873 |
| 85° | 2390 | 4316 | 2519 |



TEST NUMBER: P333851

CATALOG NUMBER: S122RDP-S485D835-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 98.0 | 5.5 |
| 10°-20° | 273.6 | 15.3 |
| 20°-30° | 352.1 | 19.7 |
| 30°-40° | 334.0 | 18.7 |
| 40°-50° | 286.2 | 16.0 |
| 50°-60° | 218.0 | 12.2 |
| 60°-70° | 137.5 | 7.7 |
| 70°-80° | 68.6 | 3.8 |
| 80°-90° | 17.6 | 1.0 |
| 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° | 723.6 | 40.5 |
| 0°-40° | 1057.6 | 59.2 |
| 0°-60° | 1561.8 | 87.5 |
| 0°-90° | 1785.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1785.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1033 | 1033 | 1033 | 1033 | 1033 | |
| 5° | 1150 | 1102 | 1036 | 944 | 918 | 113 |
| 15° | 1298 | 1244 | 983 | 736 | 608 | 353 |
| 25° | 692 | 1128 | 874 | 500 | 441 | 327 |
| 35° | 341 | 613 | 721 | 380 | 325 | 217 |
| 45° | 237 | 323 | 544 | 280 | 232 | 183 |
| 55° | 164 | 201 | 369 | 190 | 162 | 145 |
| 65° | 85 | 115 | 224 | 114 | 97 | 86 |
| 75° | 45 | 51 | 107 | 58 | 52 | 48 |
| 85° | 13 | 13 | 23 | 14 | 14 | 14 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P333851

CATALOG NUMBER: S122RDP-S485D835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 |
| 2.5° | 1085.7 | 1086.8 | 1087.9 | 1085.4 | 1085.4 | 1083.2 | 1078.5 | 1074.9 | 1064.9 | 1063.5 | 1063.5 |
| 5° | 1149.6 | 1148.9 | 1150.3 | 1145.7 | 1139.2 | 1137.8 | 1131.0 | 1122.0 | 1112.6 | 1102.2 | 1100.1 |
| 7.5° | 1214.2 | 1209.9 | 1208.1 | 1210.3 | 1203.5 | 1194.1 | 1182.7 | 1171.9 | 1155.7 | 1142.4 | 1134.2 |
| 10° | 1260.9 | 1272.8 | 1265.6 | 1253.0 | 1255.5 | 1238.7 | 1229.7 | 1214.2 | 1201.3 | 1178.7 | 1173.7 |
| 12.5° | 1306.9 | 1309.8 | 1308.7 | 1302.9 | 1298.3 | 1287.8 | 1274.9 | 1262.0 | 1235.4 | 1215.7 | 1194.9 |
| 15° | 1297.5 | 1304.4 | 1306.2 | 1304.0 | 1305.8 | 1305.1 | 1298.6 | 1287.5 | 1266.7 | 1244.4 | 1225.0 |
| 17.5° | 1228.6 | 1236.5 | 1243.0 | 1248.7 | 1257.7 | 1275.3 | 1280.7 | 1282.8 | 1274.2 | 1258.4 | 1242.3 |
| 20° | 1094.3 | 1086.4 | 1119.5 | 1136.3 | 1150.7 | 1186.6 | 1217.5 | 1229.3 | 1248.4 | 1248.0 | 1244.4 |
| 22.5° | 904.0 | 908.4 | 939.2 | 960.1 | 1008.9 | 1044.8 | 1081.0 | 1133.8 | 1175.1 | 1205.6 | 1224.3 |
| 25° | 692.2 | 705.9 | 737.1 | 764.4 | 811.1 | 877.8 | 938.5 | 1008.9 | 1075.3 | 1127.7 | 1177.6 |
| 27.5° | 538.5 | 540.3 | 568.7 | 596.4 | 625.1 | 682.9 | 764.0 | 848.4 | 943.2 | 1011.4 | 1097.6 |
| 30° | 445.2 | 443.0 | 453.5 | 468.9 | 492.6 | 535.0 | 592.4 | 675.0 | 769.4 | 887.2 | 992.0 |
| 32.5° | 379.1 | 379.9 | 387.0 | 397.4 | 416.1 | 441.3 | 476.1 | 539.3 | 627.2 | 742.5 | 869.9 |
| 35° | 341.1 | 340.7 | 346.5 | 354.7 | 363.0 | 381.3 | 408.2 | 443.4 | 504.8 | 612.9 | 738.5 |
| 37.5° | 309.5 | 311.3 | 313.8 | 319.2 | 329.2 | 340.0 | 356.9 | 381.7 | 428.3 | 495.5 | 608.2 |
| 40° | 283.6 | 284.4 | 288.3 | 292.6 | 298.0 | 305.9 | 319.2 | 338.2 | 370.2 | 421.1 | 498.3 |
| 42.5° | 259.9 | 260.7 | 263.2 | 267.1 | 271.1 | 279.0 | 289.4 | 305.2 | 329.6 | 366.6 | 426.9 |
| 45° | 237.0 | 237.0 | 239.5 | 241.3 | 245.9 | 253.1 | 262.1 | 275.7 | 293.7 | 323.1 | 365.5 |
| 47.5° | 214.7 | 214.7 | 216.5 | 219.7 | 223.0 | 228.7 | 238.0 | 249.5 | 262.5 | 286.5 | 324.2 |
| 50° | 196.0 | 196.4 | 197.5 | 200.0 | 201.8 | 206.8 | 213.6 | 223.3 | 237.0 | 254.6 | 284.7 |
| 52.5° | 181.0 | 180.6 | 182.0 | 182.7 | 183.8 | 187.1 | 191.7 | 200.0 | 211.8 | 226.5 | 250.2 |
| 55° | 164.4 | 163.0 | 165.2 | 167.0 | 168.0 | 169.5 | 172.3 | 177.7 | 188.1 | 201.1 | 219.7 |
| 57.5° | 145.0 | 144.3 | 145.4 | 147.2 | 150.4 | 154.0 | 155.8 | 159.4 | 164.8 | 174.8 | 194.6 |
| 60° | 119.9 | 119.9 | 123.1 | 124.2 | 128.2 | 133.2 | 138.2 | 141.1 | 146.5 | 152.6 | 166.2 |
| 62.5° | 97.7 | 98.0 | 99.1 | 100.2 | 102.0 | 108.4 | 116.0 | 123.1 | 128.2 | 133.9 | 141.8 |
| 65° | 85.4 | 86.2 | 86.2 | 86.9 | 88.3 | 89.8 | 92.6 | 97.7 | 106.6 | 114.9 | 121.7 |
| 67.5° | 74.7 | 74.7 | 75.0 | 75.8 | 76.1 | 77.9 | 79.0 | 81.5 | 83.3 | 92.6 | 102.0 |
| 70° | 63.9 | 65.0 | 64.6 | 65.3 | 65.7 | 66.4 | 67.9 | 68.9 | 72.2 | 74.0 | 79.0 |
| 72.5° | 53.9 | 54.6 | 54.6 | 54.9 | 56.0 | 56.0 | 57.1 | 58.2 | 60.0 | 61.4 | 63.5 |
| 75° | 45.2 | 44.9 | 45.2 | 46.0 | 46.3 | 46.7 | 46.7 | 48.1 | 49.2 | 50.6 | 52.4 |
| 77.5° | 36.6 | 37.0 | 37.0 | 37.0 | 37.0 | 37.7 | 37.7 | 38.4 | 39.5 | 40.2 | 41.3 |
| 80° | 28.0 | 28.4 | 28.0 | 28.4 | 28.7 | 29.1 | 28.7 | 29.1 | 30.2 | 30.9 | 30.9 |
| 82.5° | 20.1 | 20.1 | 20.5 | 20.5 | 20.5 | 20.5 | 21.2 | 21.2 | 21.9 | 21.5 | 21.9 |
| 85° | 12.9 | 12.6 | 12.6 | 12.6 | 12.9 | 13.3 | 12.9 | 12.9 | 13.3 | 13.3 | 13.3 |
| 87.5° | 5.7 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.5 | 6.1 | 6.5 | 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: P333851

CATALOG NUMBER: S122RDP-S485D835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 |
| 2.5° | 1064.2 | 1061.3 | 1058.8 | 1052.3 | 1049.1 | 1041.9 | 1040.8 | 1040.5 | 1031.1 | 1022.2 | 1019.7 |
| 5° | 1094.3 | 1088.6 | 1080.0 | 1069.9 | 1059.5 | 1048.7 | 1041.6 | 1035.8 | 1021.4 | 1007.8 | 999.9 |
| 7.5° | 1124.1 | 1113.7 | 1100.1 | 1082.8 | 1068.1 | 1050.9 | 1039.0 | 1028.3 | 1008.5 | 990.6 | 978.7 |
| 10° | 1158.2 | 1138.1 | 1118.4 | 1092.2 | 1071.7 | 1051.6 | 1032.9 | 1016.8 | 993.8 | 968.0 | 949.6 |
| 12.5° | 1179.4 | 1156.8 | 1127.7 | 1102.2 | 1074.2 | 1047.3 | 1020.7 | 998.8 | 970.8 | 943.9 | 921.3 |
| 15° | 1198.1 | 1174.4 | 1141.4 | 1104.7 | 1070.6 | 1037.2 | 1008.5 | 982.7 | 947.5 | 915.5 | 889.0 |
| 17.5° | 1215.3 | 1182.7 | 1148.5 | 1106.2 | 1068.5 | 1027.9 | 991.6 | 959.3 | 920.9 | 883.2 | 853.1 |
| 20° | 1222.9 | 1190.6 | 1149.6 | 1107.3 | 1060.6 | 1010.7 | 970.8 | 934.9 | 892.9 | 850.9 | 815.0 |
| 22.5° | 1218.2 | 1194.9 | 1148.2 | 1095.4 | 1047.3 | 994.5 | 948.2 | 905.1 | 857.4 | 814.3 | 771.2 |
| 25° | 1193.8 | 1185.2 | 1142.1 | 1086.8 | 1032.2 | 971.5 | 919.5 | 873.9 | 820.7 | 774.8 | 729.6 |
| 27.5° | 1148.9 | 1161.5 | 1131.0 | 1071.0 | 1012.1 | 946.8 | 890.0 | 838.7 | 784.5 | 733.1 | 687.9 |
| 30° | 1077.8 | 1120.5 | 1109.1 | 1054.5 | 986.6 | 922.7 | 857.0 | 802.8 | 743.9 | 690.8 | 646.3 |
| 32.5° | 980.5 | 1058.1 | 1074.9 | 1031.5 | 960.8 | 889.0 | 819.3 | 765.5 | 703.3 | 646.6 | 603.5 |
| 35° | 876.0 | 981.6 | 1030.1 | 1001.0 | 930.6 | 854.9 | 783.8 | 720.9 | 659.2 | 603.9 | 560.8 |
| 37.5° | 752.2 | 892.9 | 967.6 | 964.4 | 897.2 | 820.0 | 742.8 | 680.7 | 617.2 | 562.6 | 517.7 |
| 40° | 632.3 | 788.1 | 893.3 | 916.6 | 862.0 | 776.9 | 698.7 | 635.1 | 573.4 | 520.2 | 466.7 |
| 42.5° | 524.5 | 679.6 | 815.0 | 859.9 | 819.3 | 734.9 | 656.3 | 589.2 | 529.6 | 480.0 | 425.1 |
| 45° | 441.6 | 577.3 | 719.9 | 792.4 | 768.3 | 690.1 | 607.1 | 543.9 | 487.6 | 444.1 | 391.7 |
| 47.5° | 382.4 | 481.1 | 624.4 | 719.1 | 716.3 | 641.9 | 559.4 | 498.7 | 445.6 | 405.3 | 360.8 |
| 50° | 333.2 | 416.5 | 533.2 | 644.5 | 653.8 | 593.8 | 516.3 | 456.3 | 407.5 | 364.8 | 330.7 |
| 52.5° | 289.0 | 354.0 | 456.0 | 561.5 | 592.4 | 542.5 | 467.8 | 413.6 | 366.6 | 328.2 | 300.2 |
| 55° | 251.7 | 304.8 | 384.5 | 484.3 | 524.5 | 487.9 | 421.1 | 369.4 | 331.0 | 298.0 | 272.9 |
| 57.5° | 219.0 | 260.7 | 327.1 | 410.7 | 456.3 | 431.6 | 374.5 | 331.7 | 297.6 | 266.8 | 246.7 |
| 60° | 188.5 | 221.2 | 275.4 | 342.5 | 394.2 | 378.1 | 331.0 | 291.9 | 263.9 | 238.0 | 219.4 |
| 62.5° | 159.8 | 186.7 | 231.2 | 282.6 | 328.9 | 324.6 | 288.3 | 257.1 | 233.4 | 210.4 | 195.3 |
| 65° | 133.2 | 153.7 | 189.9 | 232.7 | 270.7 | 273.9 | 246.3 | 224.0 | 202.1 | 183.5 | 169.5 |
| 67.5° | 110.2 | 124.2 | 151.5 | 189.2 | 218.3 | 228.3 | 209.7 | 191.7 | 173.8 | 158.7 | 146.1 |
| 70° | 89.4 | 100.2 | 118.8 | 147.9 | 174.1 | 184.9 | 175.2 | 161.9 | 146.8 | 135.0 | 124.6 |
| 72.5° | 68.2 | 78.6 | 91.2 | 110.6 | 132.1 | 144.0 | 142.2 | 133.6 | 122.1 | 112.7 | 103.0 |
| 75° | 54.6 | 57.8 | 67.1 | 81.5 | 99.1 | 109.1 | 111.7 | 106.6 | 96.9 | 89.4 | 83.7 |
| 77.5° | 42.4 | 44.5 | 49.5 | 58.2 | 70.4 | 79.3 | 83.3 | 82.6 | 75.4 | 70.4 | 65.0 |
| 80° | 32.3 | 33.4 | 35.5 | 38.8 | 47.4 | 56.4 | 58.9 | 58.9 | 54.2 | 52.4 | 47.0 |
| 82.5° | 22.6 | 23.3 | 24.4 | 25.9 | 28.7 | 36.3 | 39.1 | 39.9 | 37.3 | 34.8 | 30.9 |
| 85° | 14.0 | 13.6 | 14.4 | 15.4 | 16.2 | 18.3 | 22.6 | 23.3 | 22.6 | 19.7 | 18.7 |
| 87.5° | 6.1 | 6.5 | 6.5 | 6.1 | 6.5 | 6.8 | 8.6 | 10.4 | 9.0 | 7.9 | 7.2 |
| 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: P333851

CATALOG NUMBER: S122RDP-S485D835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 | 1033.3 |
| 2.5° | 1015.0 | 1012.5 | 1007.8 | 1000.6 | 996.3 | 988.8 | 983.7 | 986.6 | 987.3 | 986.6 | 985.9 |
| 5° | 991.3 | 983.7 | 973.3 | 963.3 | 953.9 | 943.9 | 938.2 | 935.6 | 930.6 | 927.7 | 926.3 |
| 7.5° | 964.4 | 953.2 | 938.5 | 922.4 | 907.3 | 892.9 | 886.5 | 881.4 | 872.1 | 867.1 | 862.4 |
| 10° | 933.5 | 913.0 | 898.3 | 875.3 | 861.3 | 840.9 | 826.9 | 827.2 | 813.2 | 805.3 | 799.6 |
| 12.5° | 899.4 | 876.4 | 849.5 | 829.4 | 808.5 | 793.1 | 775.5 | 766.9 | 751.8 | 744.3 | 726.3 |
| 15° | 861.0 | 834.8 | 808.9 | 780.9 | 761.1 | 735.7 | 711.2 | 681.4 | 657.4 | 636.6 | 630.8 |
| 17.5° | 820.0 | 787.7 | 762.2 | 733.5 | 702.6 | 656.3 | 626.2 | 607.8 | 593.5 | 582.7 | 574.1 |
| 20° | 777.7 | 744.6 | 717.0 | 667.4 | 621.8 | 592.8 | 571.9 | 558.7 | 543.6 | 531.7 | 525.3 |
| 22.5° | 733.1 | 698.3 | 658.1 | 601.4 | 568.3 | 546.4 | 528.5 | 512.7 | 503.7 | 495.1 | 489.4 |
| 25° | 691.5 | 653.8 | 591.7 | 553.6 | 524.9 | 500.5 | 487.6 | 478.2 | 467.5 | 454.9 | 449.1 |
| 27.5° | 648.1 | 588.1 | 541.1 | 513.4 | 484.0 | 468.5 | 457.4 | 442.0 | 432.3 | 427.6 | 421.1 |
| 30° | 598.1 | 538.2 | 503.4 | 472.5 | 453.1 | 435.5 | 421.9 | 414.0 | 404.6 | 394.9 | 391.0 |
| 32.5° | 542.5 | 497.6 | 464.6 | 440.2 | 420.4 | 406.1 | 396.0 | 382.0 | 375.9 | 370.9 | 361.5 |
| 35° | 498.3 | 462.1 | 431.6 | 410.7 | 392.1 | 379.9 | 367.3 | 359.8 | 347.5 | 342.5 | 339.3 |
| 37.5° | 458.1 | 426.5 | 403.6 | 380.6 | 366.2 | 351.9 | 344.7 | 332.1 | 327.4 | 319.5 | 313.1 |
| 40° | 425.1 | 394.2 | 372.3 | 354.4 | 337.8 | 327.8 | 318.1 | 308.4 | 300.5 | 297.3 | 289.0 |
| 42.5° | 391.3 | 367.6 | 345.7 | 325.6 | 315.9 | 305.2 | 292.3 | 285.8 | 277.5 | 271.8 | 267.5 |
| 45° | 360.8 | 338.6 | 319.9 | 303.7 | 291.5 | 280.4 | 272.5 | 260.7 | 256.0 | 245.6 | 241.3 |
| 47.5° | 333.9 | 312.4 | 294.4 | 278.6 | 266.4 | 259.9 | 248.5 | 238.0 | 231.6 | 224.4 | 218.3 |
| 50° | 304.8 | 287.6 | 270.4 | 256.7 | 245.9 | 235.5 | 223.7 | 219.0 | 207.5 | 204.3 | 201.1 |
| 52.5° | 278.3 | 262.1 | 246.7 | 233.4 | 222.6 | 212.5 | 202.5 | 196.0 | 189.2 | 186.0 | 183.8 |
| 55° | 253.8 | 238.0 | 223.0 | 211.1 | 200.3 | 189.9 | 183.5 | 175.9 | 172.3 | 169.8 | 167.0 |
| 57.5° | 228.7 | 214.3 | 202.5 | 190.3 | 179.5 | 170.9 | 163.0 | 158.7 | 155.1 | 152.2 | 148.3 |
| 60° | 205.0 | 191.4 | 181.0 | 169.8 | 158.7 | 151.9 | 146.1 | 140.7 | 136.4 | 131.4 | 130.0 |
| 62.5° | 179.9 | 168.4 | 159.1 | 148.3 | 138.9 | 132.8 | 127.5 | 122.4 | 117.0 | 109.1 | 107.0 |
| 65° | 157.3 | 147.9 | 137.9 | 128.9 | 120.3 | 114.2 | 106.3 | 100.5 | 98.4 | 97.7 | 97.3 |
| 67.5° | 136.4 | 127.5 | 118.8 | 109.5 | 101.6 | 94.8 | 90.1 | 89.4 | 88.0 | 87.6 | 86.5 |
| 70° | 115.6 | 107.4 | 98.7 | 90.1 | 82.6 | 81.5 | 80.1 | 78.6 | 76.8 | 76.1 | 75.4 |
| 72.5° | 96.9 | 88.3 | 79.7 | 73.2 | 71.1 | 69.7 | 68.2 | 66.8 | 65.7 | 65.0 | 64.6 |
| 75° | 77.2 | 69.3 | 63.5 | 61.0 | 59.2 | 58.2 | 56.0 | 54.9 | 54.2 | 53.1 | 52.8 |
| 77.5° | 58.9 | 53.9 | 51.0 | 49.5 | 47.4 | 46.3 | 44.9 | 43.8 | 42.7 | 42.7 | 42.0 |
| 80° | 42.4 | 40.2 | 38.4 | 36.3 | 35.5 | 34.1 | 33.7 | 32.7 | 33.0 | 32.0 | 32.0 |
| 82.5° | 30.5 | 27.6 | 26.2 | 25.5 | 24.8 | 23.7 | 23.3 | 23.0 | 23.0 | 22.3 | 22.3 |
| 85° | 16.9 | 16.2 | 15.4 | 14.7 | 14.7 | 13.6 | 14.0 | 13.6 | 13.6 | 12.9 | 12.6 |
| 87.5° | 6.8 | 6.5 | 5.7 | 5.7 | 5.7 | 5.4 | 5.4 | 5.0 | 5.0 | 5.0 | 4.7 |
| 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: P333851

CATALOG NUMBER: S122RDP-S485D835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1033.3 | 1033.3 | 1033.3 | 1033.3 |
| 2.5° | 982.0 | 982.7 | 981.6 | 982.3 |
| 5° | 924.5 | 920.2 | 919.5 | 918.4 |
| 7.5° | 856.7 | 856.3 | 854.1 | 851.6 |
| 10° | 791.7 | 789.9 | 789.5 | 787.0 |
| 12.5° | 715.6 | 701.5 | 700.1 | 692.9 |
| 15° | 622.2 | 620.0 | 612.9 | 608.2 |
| 17.5° | 570.1 | 563.0 | 560.4 | 559.4 |
| 20° | 520.2 | 513.8 | 512.7 | 512.0 |
| 22.5° | 485.8 | 478.9 | 475.7 | 473.2 |
| 25° | 445.6 | 443.0 | 441.6 | 440.9 |
| 27.5° | 414.0 | 407.5 | 406.8 | 405.0 |
| 30° | 387.8 | 386.0 | 383.4 | 381.3 |
| 32.5° | 356.9 | 355.4 | 353.3 | 352.6 |
| 35° | 335.7 | 330.7 | 328.5 | 325.3 |
| 37.5° | 312.4 | 309.5 | 305.9 | 307.3 |
| 40° | 284.4 | 282.6 | 281.8 | 281.5 |
| 42.5° | 262.1 | 256.3 | 254.2 | 254.2 |
| 45° | 239.5 | 234.8 | 231.6 | 231.9 |
| 47.5° | 215.1 | 215.4 | 213.3 | 214.0 |
| 50° | 198.5 | 196.4 | 195.0 | 195.3 |
| 52.5° | 182.7 | 181.0 | 179.9 | 181.7 |
| 55° | 165.2 | 163.0 | 162.6 | 162.3 |
| 57.5° | 146.1 | 145.0 | 143.3 | 142.2 |
| 60° | 125.3 | 122.4 | 118.8 | 118.5 |
| 62.5° | 106.3 | 106.3 | 106.3 | 106.3 |
| 65° | 96.6 | 96.2 | 96.6 | 96.9 |
| 67.5° | 86.5 | 85.8 | 85.1 | 85.4 |
| 70° | 74.7 | 74.3 | 74.0 | 74.0 |
| 72.5° | 63.2 | 63.2 | 62.8 | 62.5 |
| 75° | 52.4 | 51.7 | 51.7 | 51.7 |
| 77.5° | 42.0 | 41.6 | 41.3 | 40.9 |
| 80° | 31.6 | 31.2 | 30.9 | 30.9 |
| 82.5° | 22.3 | 21.9 | 21.9 | 21.5 |
| 85° | 12.9 | 13.3 | 12.9 | 13.6 |
| 87.5° | 4.7 | 4.3 | 4.7 | 4.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)