

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: P334217

Luminaire Tested: **S124RDW-S795D930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1802-639-31)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDW-S795D930-4F0-1E-UDD-A
Description: DEFINE 4 REGRESSED DIRECT LED LUMINAIRE, ASYMMETRIC DIFFUSER
PENDANT/SURFACE/WALL MOUNT, 795 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2557.7 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.22 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Direct

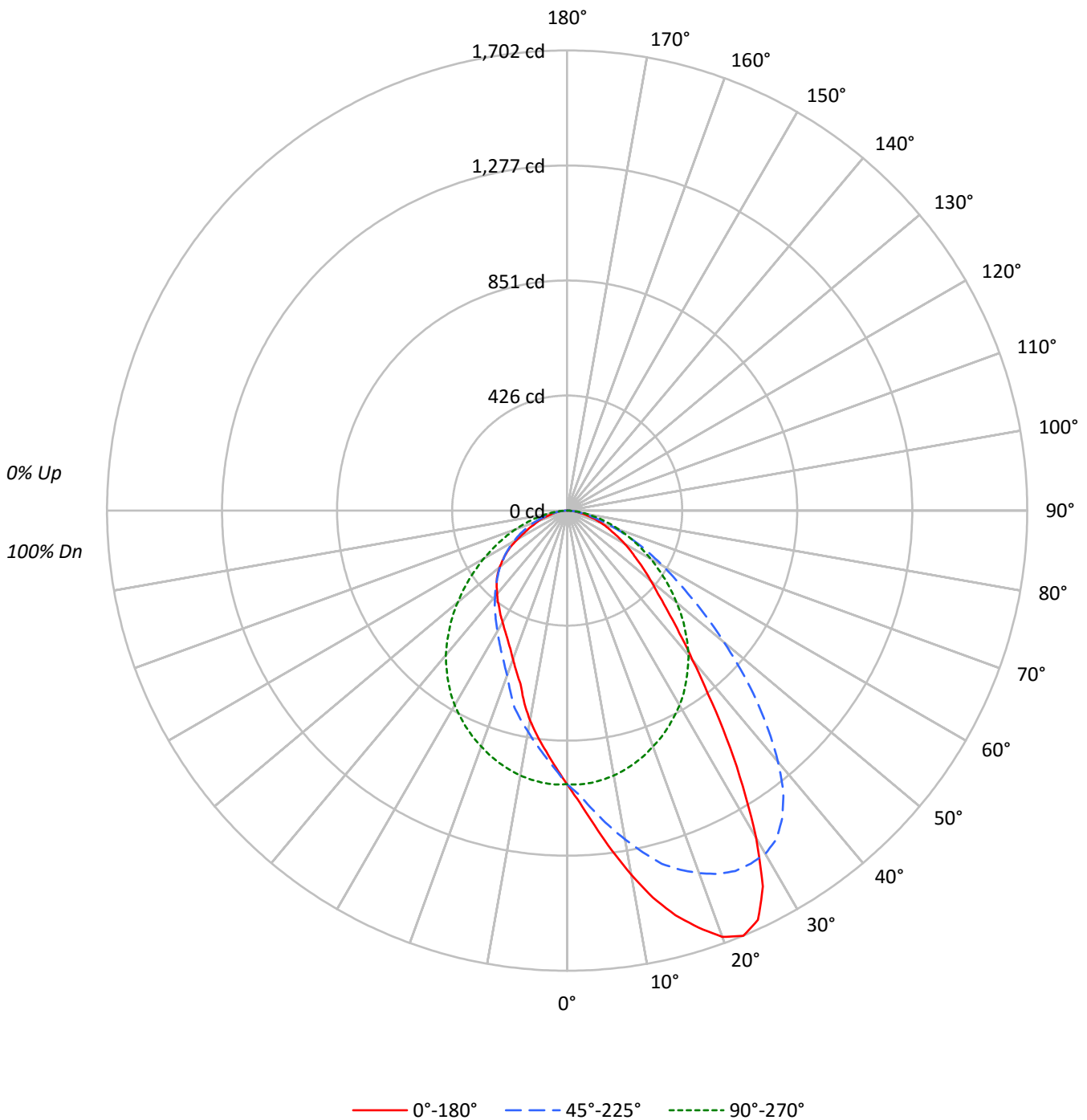
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-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 | 93 | 87 | 82 | 98 | 92 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | | | | | 74 | | | | |
| 3 | 93 | 83 | 76 | 70 | 90 | 81 | 75 | 69 | 79 | 73 | 68 | 76 | 71 | 67 | 73 | 69 | 65 | | | | | 63 | | | | |
| 4 | 85 | 74 | 66 | 60 | 83 | 73 | 65 | 59 | 71 | 64 | 59 | 68 | 63 | 58 | 66 | 61 | 57 | | | | | 55 | | | | |
| 5 | 79 | 67 | 58 | 52 | 77 | 66 | 58 | 52 | 64 | 57 | 51 | 62 | 56 | 51 | 60 | 55 | 50 | | | | | 48 | | | | |
| 6 | 73 | 61 | 52 | 46 | 71 | 60 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 45 | 55 | 49 | 45 | | | | | 43 | | | | |
| 7 | 68 | 55 | 47 | 41 | 66 | 54 | 47 | 41 | 53 | 46 | 41 | 52 | 45 | 40 | 50 | 44 | 40 | | | | | 38 | | | | |
| 8 | 64 | 51 | 42 | 37 | 62 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 36 | 46 | 40 | 36 | | | | | 34 | | | | |
| 9 | 59 | 47 | 39 | 33 | 58 | 46 | 38 | 33 | 45 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | | | | | 31 | | | | |
| 10 | 56 | 43 | 35 | 30 | 55 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | | | | | 28 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|------|------|
| 0° | 8168 | 8168 | 8168 |
| 5° | 9474 | 8193 | 7242 |
| 10° | 11208 | 8157 | 6463 |
| 15° | 12947 | 8081 | 5554 |
| 20° | 14415 | 7978 | 5022 |
| 25° | 14881 | 7876 | 4662 |
| 30° | 13026 | 7752 | 4447 |
| 35° | 10140 | 7569 | 4315 |
| 40° | 7604 | 7359 | 4245 |
| 45° | 6004 | 7023 | 4207 |
| 50° | 5069 | 6635 | 4086 |
| 55° | 4418 | 6208 | 3868 |
| 60° | 3975 | 5766 | 3423 |
| 65° | 3503 | 5287 | 2944 |
| 70° | 3156 | 4792 | 2655 |
| 75° | 2645 | 4248 | 2265 |
| 80° | 2236 | 3622 | 2125 |
| 85° | 1890 | 2834 | 1890 |



TEST NUMBER: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-UDD-A

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 98.0 | 3.8 |
| 10°-20° | 295.9 | 11.6 |
| 20°-30° | 463.4 | 18.1 |
| 30°-40° | 514.6 | 20.1 |
| 40°-50° | 456.1 | 17.8 |
| 50°-60° | 355.4 | 13.9 |
| 60°-70° | 232.5 | 9.1 |
| 70°-80° | 114.1 | 4.5 |
| 80°-90° | 27.8 | 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° | 857.3 | 33.5 |
| 0°-40° | 1371.9 | 53.6 |
| 0°-60° | 2183.4 | 85.4 |
| 0°-90° | 2557.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2557.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1012 | 1012 | 1012 | 1012 | 1012 | |
| 5° | 1169 | 1113 | 1011 | 915 | 894 | 118 |
| 15° | 1549 | 1353 | 967 | 753 | 664 | 441 |
| 25° | 1671 | 1471 | 884 | 576 | 523 | 746 |
| 35° | 1029 | 1387 | 768 | 463 | 438 | 644 |
| 45° | 526 | 989 | 615 | 368 | 368 | 415 |
| 55° | 314 | 559 | 441 | 278 | 275 | 285 |
| 65° | 183 | 287 | 277 | 180 | 154 | 184 |
| 75° | 85 | 109 | 136 | 87 | 73 | 93 |
| 85° | 20 | 22 | 31 | 22 | 20 | 24 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 |
| 2.5° | 1081.1 | 1084.8 | 1081.1 | 1080.7 | 1076.6 | 1075.4 | 1073.8 | 1068.5 | 1058.7 | 1053.0 | 1054.2 |
| 5° | 1169.1 | 1179.3 | 1173.6 | 1172.8 | 1163.8 | 1154.9 | 1149.2 | 1136.1 | 1122.3 | 1112.9 | 1105.1 |
| 7.5° | 1267.0 | 1273.1 | 1269.0 | 1264.5 | 1249.0 | 1244.2 | 1230.7 | 1215.2 | 1192.0 | 1174.4 | 1158.5 |
| 10° | 1367.3 | 1372.2 | 1370.5 | 1359.9 | 1349.3 | 1327.7 | 1315.5 | 1291.4 | 1260.0 | 1235.2 | 1211.9 |
| 12.5° | 1465.9 | 1471.2 | 1453.7 | 1456.9 | 1434.5 | 1418.6 | 1397.4 | 1365.6 | 1328.1 | 1294.3 | 1263.7 |
| 15° | 1549.1 | 1542.6 | 1542.6 | 1534.4 | 1512.0 | 1488.3 | 1468.4 | 1436.6 | 1390.9 | 1352.6 | 1312.2 |
| 17.5° | 1617.6 | 1620.4 | 1617.2 | 1596.4 | 1580.1 | 1556.0 | 1520.1 | 1483.8 | 1444.3 | 1392.9 | 1353.0 |
| 20° | 1677.9 | 1677.9 | 1674.2 | 1661.2 | 1638.3 | 1612.3 | 1572.7 | 1532.4 | 1478.6 | 1426.8 | 1380.3 |
| 22.5° | 1702.4 | 1704.0 | 1699.5 | 1689.3 | 1669.3 | 1644.1 | 1611.9 | 1570.7 | 1514.8 | 1454.9 | 1394.6 |
| 25° | 1670.6 | 1678.3 | 1679.1 | 1676.3 | 1670.1 | 1654.7 | 1625.7 | 1583.7 | 1534.0 | 1470.8 | 1408.8 |
| 27.5° | 1567.8 | 1578.0 | 1582.1 | 1591.1 | 1607.8 | 1613.9 | 1610.2 | 1582.1 | 1534.0 | 1471.6 | 1410.1 |
| 30° | 1397.4 | 1405.6 | 1432.1 | 1466.7 | 1493.6 | 1518.1 | 1539.3 | 1545.0 | 1520.5 | 1465.9 | 1400.3 |
| 32.5° | 1208.3 | 1220.1 | 1246.6 | 1284.5 | 1333.8 | 1379.5 | 1433.7 | 1462.7 | 1468.0 | 1440.6 | 1381.1 |
| 35° | 1028.9 | 1037.1 | 1061.5 | 1100.7 | 1154.5 | 1216.0 | 1291.4 | 1350.1 | 1390.1 | 1387.2 | 1350.1 |
| 37.5° | 856.9 | 868.3 | 893.2 | 925.4 | 978.4 | 1057.0 | 1128.4 | 1207.1 | 1278.8 | 1313.9 | 1295.1 |
| 40° | 721.5 | 721.9 | 746.0 | 779.4 | 828.3 | 894.8 | 974.3 | 1064.0 | 1146.3 | 1213.6 | 1226.6 |
| 42.5° | 614.7 | 614.7 | 628.6 | 665.3 | 697.1 | 758.6 | 833.6 | 922.5 | 1022.4 | 1102.7 | 1142.6 |
| 45° | 525.9 | 529.5 | 542.6 | 564.2 | 591.9 | 644.9 | 705.6 | 788.4 | 896.4 | 988.6 | 1046.0 |
| 47.5° | 455.8 | 462.3 | 470.0 | 489.6 | 512.4 | 549.5 | 601.3 | 678.7 | 768.4 | 870.7 | 950.2 |
| 50° | 403.6 | 404.4 | 415.0 | 424.8 | 443.9 | 472.1 | 516.1 | 578.0 | 658.8 | 756.2 | 847.1 |
| 52.5° | 358.7 | 358.3 | 363.6 | 376.7 | 391.3 | 411.7 | 445.2 | 500.2 | 569.5 | 654.3 | 748.9 |
| 55° | 313.9 | 315.9 | 320.8 | 330.6 | 342.4 | 357.9 | 386.0 | 428.4 | 484.7 | 559.3 | 644.5 |
| 57.5° | 279.6 | 280.9 | 285.4 | 289.0 | 300.4 | 311.9 | 334.7 | 365.3 | 414.6 | 477.0 | 560.5 |
| 60° | 246.2 | 246.6 | 247.9 | 254.0 | 262.5 | 273.1 | 287.4 | 312.3 | 352.2 | 408.1 | 470.8 |
| 62.5° | 213.6 | 214.4 | 216.5 | 220.5 | 226.7 | 233.2 | 248.3 | 267.0 | 298.4 | 344.1 | 399.1 |
| 65° | 183.4 | 183.9 | 186.7 | 188.3 | 193.6 | 200.2 | 211.2 | 224.6 | 247.4 | 287.4 | 330.2 |
| 67.5° | 158.2 | 158.2 | 158.2 | 160.6 | 164.7 | 169.2 | 176.5 | 187.9 | 206.3 | 232.0 | 271.9 |
| 70° | 133.7 | 133.7 | 134.5 | 135.7 | 137.8 | 141.5 | 145.1 | 153.3 | 165.9 | 185.9 | 214.8 |
| 72.5° | 110.9 | 111.3 | 112.1 | 112.1 | 112.9 | 115.8 | 118.2 | 122.7 | 131.3 | 145.1 | 167.1 |
| 75° | 84.8 | 86.0 | 88.1 | 89.7 | 91.7 | 91.3 | 94.2 | 97.4 | 100.3 | 109.3 | 122.7 |
| 77.5° | 66.9 | 66.0 | 66.0 | 67.7 | 68.1 | 68.5 | 70.5 | 73.4 | 75.8 | 80.7 | 85.6 |
| 80° | 48.1 | 48.1 | 49.3 | 49.7 | 49.3 | 49.7 | 51.8 | 53.0 | 53.8 | 55.4 | 59.9 |
| 82.5° | 33.4 | 34.2 | 33.4 | 33.8 | 34.2 | 34.7 | 36.3 | 36.3 | 37.1 | 37.5 | 38.7 |
| 85° | 20.4 | 20.8 | 21.2 | 20.4 | 20.4 | 20.4 | 21.2 | 21.6 | 22.4 | 22.0 | 22.8 |
| 87.5° | 9.0 | 8.6 | 9.0 | 9.0 | 9.4 | 9.0 | 9.4 | 10.2 | 9.4 | 9.8 | 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: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 |
| 2.5° | 1050.1 | 1044.4 | 1041.5 | 1035.0 | 1027.3 | 1023.2 | 1019.5 | 1014.2 | 1007.3 | 1000.0 | 994.7 |
| 5° | 1095.4 | 1085.6 | 1073.3 | 1058.7 | 1045.6 | 1033.0 | 1022.0 | 1011.0 | 998.3 | 985.3 | 972.2 |
| 7.5° | 1140.2 | 1122.7 | 1103.9 | 1081.5 | 1059.9 | 1039.9 | 1022.0 | 1004.5 | 984.5 | 966.5 | 949.8 |
| 10° | 1187.5 | 1161.4 | 1132.5 | 1101.9 | 1071.3 | 1044.8 | 1018.7 | 995.1 | 969.0 | 945.8 | 926.2 |
| 12.5° | 1225.8 | 1194.0 | 1157.7 | 1117.8 | 1079.5 | 1046.0 | 1015.1 | 982.4 | 951.9 | 926.2 | 898.5 |
| 15° | 1269.0 | 1227.0 | 1180.1 | 1134.5 | 1086.8 | 1043.2 | 1002.8 | 966.9 | 933.1 | 897.6 | 872.8 |
| 17.5° | 1298.8 | 1250.3 | 1194.8 | 1141.8 | 1087.2 | 1036.7 | 991.0 | 949.4 | 910.7 | 875.2 | 845.9 |
| 20° | 1324.9 | 1269.8 | 1206.6 | 1144.3 | 1081.1 | 1026.1 | 975.9 | 928.6 | 888.3 | 849.1 | 818.6 |
| 22.5° | 1339.5 | 1277.2 | 1206.6 | 1140.6 | 1074.6 | 1013.8 | 957.6 | 907.8 | 863.0 | 823.9 | 789.2 |
| 25° | 1340.4 | 1275.1 | 1204.6 | 1129.6 | 1057.9 | 994.7 | 937.6 | 884.2 | 835.3 | 796.1 | 760.3 |
| 27.5° | 1337.1 | 1261.7 | 1190.7 | 1114.5 | 1040.7 | 973.5 | 914.4 | 857.7 | 809.2 | 767.6 | 730.9 |
| 30° | 1327.3 | 1245.0 | 1167.5 | 1087.6 | 1012.6 | 948.6 | 885.4 | 831.6 | 780.7 | 737.0 | 699.9 |
| 32.5° | 1306.1 | 1224.6 | 1139.8 | 1057.4 | 981.2 | 914.8 | 855.7 | 801.4 | 751.7 | 706.9 | 666.9 |
| 35° | 1276.8 | 1194.0 | 1103.5 | 1019.5 | 944.9 | 876.4 | 820.2 | 768.0 | 720.3 | 672.6 | 631.0 |
| 37.5° | 1242.9 | 1156.5 | 1067.2 | 975.1 | 900.9 | 835.7 | 783.1 | 733.0 | 686.5 | 642.9 | 596.8 |
| 40° | 1190.7 | 1113.7 | 1020.8 | 929.4 | 852.8 | 790.4 | 742.7 | 698.3 | 651.4 | 608.2 | 562.2 |
| 42.5° | 1127.6 | 1064.8 | 970.6 | 878.9 | 803.5 | 744.0 | 700.3 | 657.1 | 615.6 | 574.0 | 525.5 |
| 45° | 1055.8 | 1006.1 | 918.0 | 830.0 | 753.7 | 694.2 | 653.5 | 615.1 | 577.6 | 537.7 | 492.4 |
| 47.5° | 975.9 | 939.2 | 862.6 | 770.5 | 699.1 | 644.5 | 605.4 | 573.6 | 540.5 | 500.2 | 459.4 |
| 50° | 891.9 | 870.3 | 797.0 | 714.6 | 647.3 | 598.0 | 557.7 | 528.3 | 501.8 | 463.5 | 428.0 |
| 52.5° | 802.3 | 793.3 | 734.2 | 656.3 | 591.9 | 543.8 | 510.8 | 485.1 | 458.2 | 428.0 | 395.4 |
| 55° | 710.9 | 717.1 | 664.5 | 596.4 | 535.2 | 494.5 | 463.1 | 441.1 | 418.2 | 391.3 | 365.7 |
| 57.5° | 616.0 | 639.2 | 600.1 | 538.5 | 479.4 | 441.1 | 417.0 | 397.5 | 378.3 | 355.5 | 332.2 |
| 60° | 532.4 | 551.1 | 531.2 | 478.6 | 428.4 | 393.4 | 371.4 | 357.1 | 337.9 | 317.6 | 300.8 |
| 62.5° | 450.9 | 471.2 | 461.5 | 421.5 | 375.9 | 346.9 | 328.2 | 315.1 | 302.1 | 284.9 | 267.4 |
| 65° | 385.2 | 398.3 | 392.6 | 363.2 | 330.2 | 304.5 | 286.6 | 276.8 | 263.8 | 250.7 | 235.2 |
| 67.5° | 308.2 | 333.9 | 329.8 | 313.5 | 281.7 | 261.3 | 248.7 | 239.7 | 227.5 | 217.7 | 206.7 |
| 70° | 242.6 | 265.8 | 265.4 | 252.7 | 237.3 | 218.5 | 210.3 | 203.0 | 192.4 | 183.0 | 174.5 |
| 72.5° | 187.5 | 208.3 | 212.4 | 203.4 | 194.0 | 181.0 | 173.3 | 168.8 | 158.6 | 152.9 | 146.3 |
| 75° | 139.0 | 154.5 | 158.6 | 158.6 | 153.7 | 146.3 | 139.4 | 136.2 | 128.8 | 123.1 | 119.0 |
| 77.5° | 97.8 | 108.4 | 114.5 | 115.8 | 116.2 | 113.3 | 106.8 | 104.4 | 98.7 | 96.6 | 92.1 |
| 80° | 64.4 | 70.9 | 78.3 | 80.7 | 82.8 | 81.9 | 79.5 | 77.9 | 72.6 | 70.5 | 68.9 |
| 82.5° | 39.5 | 42.4 | 48.1 | 54.2 | 53.0 | 55.8 | 53.8 | 52.6 | 48.9 | 48.5 | 46.9 |
| 85° | 23.2 | 23.6 | 24.5 | 28.1 | 30.2 | 31.0 | 31.4 | 30.6 | 29.4 | 29.4 | 26.5 |
| 87.5° | 9.8 | 9.4 | 10.2 | 10.2 | 10.6 | 12.2 | 13.5 | 13.9 | 12.6 | 11.4 | 10.2 |
| 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: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 | 1011.8 |
| 2.5° | 989.0 | 984.9 | 979.6 | 973.5 | 966.1 | 959.6 | 956.8 | 959.2 | 960.4 | 957.2 | 956.8 |
| 5° | 963.3 | 953.1 | 944.9 | 932.7 | 922.9 | 914.8 | 909.1 | 906.6 | 907.4 | 900.9 | 899.3 |
| 7.5° | 934.7 | 923.7 | 910.3 | 896.4 | 883.4 | 872.0 | 865.9 | 863.0 | 856.1 | 853.2 | 848.7 |
| 10° | 907.4 | 891.1 | 878.1 | 861.0 | 845.5 | 831.2 | 824.3 | 818.6 | 811.6 | 808.4 | 801.4 |
| 12.5° | 879.3 | 859.7 | 845.1 | 827.1 | 811.2 | 793.3 | 786.8 | 774.9 | 763.1 | 755.4 | 746.0 |
| 15° | 853.2 | 830.4 | 812.9 | 791.7 | 772.9 | 753.3 | 735.8 | 716.2 | 708.9 | 693.4 | 684.4 |
| 17.5° | 822.2 | 798.6 | 779.0 | 751.7 | 723.6 | 699.9 | 680.4 | 660.0 | 649.0 | 638.4 | 633.9 |
| 20° | 791.7 | 770.5 | 740.3 | 707.3 | 675.1 | 648.2 | 633.1 | 620.9 | 608.6 | 601.7 | 596.8 |
| 22.5° | 762.7 | 734.2 | 697.9 | 661.6 | 629.4 | 609.8 | 597.6 | 585.0 | 575.6 | 569.1 | 562.2 |
| 25° | 729.7 | 694.2 | 657.1 | 616.4 | 594.4 | 576.0 | 562.2 | 552.0 | 545.8 | 537.3 | 534.0 |
| 27.5° | 697.5 | 654.7 | 612.7 | 585.0 | 562.2 | 544.6 | 532.0 | 524.6 | 516.5 | 510.8 | 506.3 |
| 30° | 659.2 | 615.6 | 578.9 | 552.8 | 529.5 | 515.7 | 505.9 | 496.9 | 490.8 | 486.3 | 483.1 |
| 32.5° | 621.3 | 577.6 | 548.3 | 519.8 | 502.6 | 489.2 | 478.6 | 472.5 | 468.0 | 461.9 | 460.2 |
| 35° | 585.0 | 546.3 | 519.3 | 494.1 | 475.3 | 463.1 | 454.9 | 448.0 | 443.9 | 442.3 | 441.1 |
| 37.5° | 549.5 | 517.3 | 487.6 | 467.2 | 449.6 | 440.3 | 429.7 | 426.4 | 423.5 | 419.9 | 421.5 |
| 40° | 516.1 | 486.3 | 460.6 | 438.6 | 425.2 | 414.6 | 408.9 | 404.8 | 402.4 | 402.4 | 402.4 |
| 42.5° | 487.1 | 458.2 | 433.3 | 414.2 | 400.7 | 392.2 | 385.6 | 382.4 | 382.0 | 381.6 | 384.0 |
| 45° | 457.0 | 430.1 | 404.8 | 388.5 | 377.1 | 368.1 | 364.4 | 361.6 | 361.6 | 363.2 | 363.6 |
| 47.5° | 426.8 | 401.5 | 381.2 | 362.4 | 351.8 | 346.1 | 342.8 | 341.2 | 341.2 | 343.2 | 344.9 |
| 50° | 399.5 | 374.6 | 354.7 | 338.4 | 328.6 | 323.3 | 320.4 | 319.6 | 320.4 | 320.4 | 323.3 |
| 52.5° | 369.7 | 348.1 | 328.6 | 315.5 | 304.1 | 299.2 | 298.0 | 296.8 | 297.2 | 298.8 | 299.6 |
| 55° | 340.8 | 320.8 | 302.1 | 289.0 | 280.9 | 277.6 | 273.9 | 274.3 | 273.5 | 274.3 | 274.3 |
| 57.5° | 311.4 | 293.9 | 275.6 | 265.0 | 258.0 | 253.2 | 249.1 | 250.3 | 249.1 | 249.1 | 248.7 |
| 60° | 283.3 | 263.8 | 249.9 | 240.5 | 232.4 | 228.3 | 224.6 | 225.4 | 224.2 | 223.4 | 221.8 |
| 62.5° | 252.7 | 237.3 | 224.2 | 215.2 | 209.1 | 204.2 | 200.6 | 199.3 | 196.1 | 192.8 | 188.7 |
| 65° | 223.4 | 209.9 | 198.1 | 189.6 | 183.4 | 179.8 | 176.9 | 174.5 | 168.4 | 161.8 | 158.6 |
| 67.5° | 194.4 | 184.7 | 173.3 | 165.9 | 161.0 | 156.1 | 150.8 | 146.3 | 140.2 | 136.2 | 134.1 |
| 70° | 166.7 | 157.4 | 148.0 | 141.0 | 135.7 | 131.3 | 125.1 | 122.3 | 118.2 | 116.6 | 114.5 |
| 72.5° | 140.2 | 131.7 | 123.1 | 117.0 | 111.3 | 108.0 | 103.5 | 100.7 | 99.5 | 99.1 | 97.0 |
| 75° | 113.3 | 106.4 | 99.9 | 94.2 | 89.7 | 87.2 | 85.2 | 83.2 | 82.3 | 78.7 | 76.6 |
| 77.5° | 87.2 | 82.3 | 78.3 | 73.8 | 70.9 | 69.3 | 64.8 | 62.0 | 60.3 | 58.3 | 57.9 |
| 80° | 64.4 | 61.1 | 57.1 | 54.6 | 50.1 | 48.5 | 46.9 | 46.5 | 46.1 | 45.7 | 45.2 |
| 82.5° | 44.4 | 41.2 | 37.1 | 35.9 | 35.5 | 34.7 | 33.8 | 33.4 | 33.0 | 33.4 | 33.4 |
| 85° | 24.5 | 22.8 | 22.8 | 22.4 | 22.0 | 21.6 | 21.2 | 21.2 | 20.8 | 21.2 | 20.8 |
| 87.5° | 10.2 | 9.8 | 9.8 | 9.0 | 9.4 | 9.4 | 9.0 | 9.0 | 9.4 | 8.6 | 8.6 |
| 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: P334217

CATALOG NUMBER: S124RDW-S795D930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1011.8 | 1011.8 | 1011.8 | 1011.8 |
| 2.5° | 954.3 | 955.1 | 952.3 | 951.5 |
| 5° | 896.0 | 895.2 | 893.2 | 893.6 |
| 7.5° | 845.5 | 842.6 | 844.7 | 841.4 |
| 10° | 799.8 | 795.3 | 791.7 | 788.4 |
| 12.5° | 737.4 | 733.8 | 728.5 | 730.5 |
| 15° | 679.1 | 673.0 | 663.2 | 664.5 |
| 17.5° | 627.0 | 627.8 | 622.1 | 623.7 |
| 20° | 588.2 | 585.4 | 585.8 | 584.6 |
| 22.5° | 561.3 | 557.7 | 554.0 | 551.1 |
| 25° | 530.4 | 527.9 | 524.2 | 523.4 |
| 27.5° | 503.0 | 502.6 | 501.0 | 499.0 |
| 30° | 479.8 | 479.0 | 478.2 | 477.0 |
| 32.5° | 459.0 | 458.6 | 457.8 | 458.2 |
| 35° | 439.4 | 439.0 | 438.2 | 437.8 |
| 37.5° | 421.1 | 422.3 | 421.5 | 421.5 |
| 40° | 401.9 | 402.4 | 403.2 | 402.8 |
| 42.5° | 386.0 | 386.0 | 387.3 | 385.6 |
| 45° | 366.5 | 368.9 | 368.5 | 368.5 |
| 47.5° | 345.7 | 348.5 | 348.9 | 348.9 |
| 50° | 325.3 | 324.5 | 325.7 | 325.3 |
| 52.5° | 300.4 | 300.8 | 300.4 | 300.0 |
| 55° | 274.8 | 275.2 | 274.3 | 274.8 |
| 57.5° | 247.4 | 245.8 | 247.0 | 246.2 |
| 60° | 217.7 | 214.4 | 213.6 | 212.0 |
| 62.5° | 184.3 | 182.2 | 179.0 | 181.0 |
| 65° | 155.3 | 153.7 | 152.5 | 154.1 |
| 67.5° | 132.1 | 131.3 | 131.3 | 130.4 |
| 70° | 114.5 | 113.3 | 113.3 | 112.5 |
| 72.5° | 96.6 | 95.4 | 95.8 | 95.4 |
| 75° | 74.2 | 72.2 | 72.2 | 72.6 |
| 77.5° | 57.9 | 57.5 | 58.3 | 57.1 |
| 80° | 45.2 | 44.8 | 44.4 | 45.7 |
| 82.5° | 32.6 | 32.6 | 32.6 | 34.2 |
| 85° | 21.2 | 20.4 | 21.2 | 20.4 |
| 87.5° | 9.4 | 9.0 | 8.6 | 9.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)