

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: P332953-830

Luminaire Tested: **S124RDIP-S795D1205U830-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332953-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D1205U830-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6957.6 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

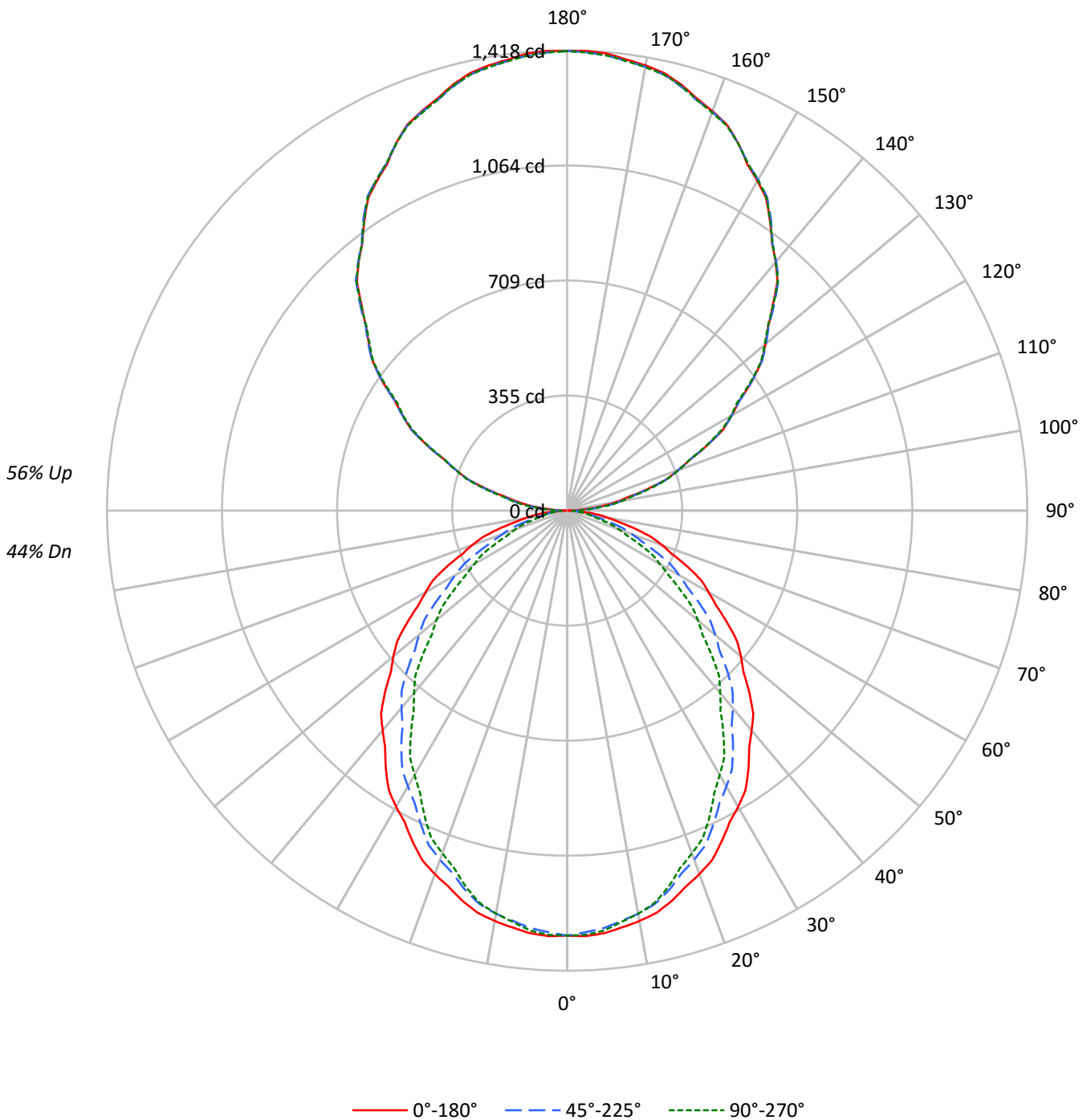
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 64 | 64 | 64 | 50 | 50 | 50 | 44 | | | 44 |
| 1 | 97 | 92 | 89 | 85 | 88 | 85 | 81 | 79 | 70 | 68 | 66 | 57 | 55 | 54 | 45 | 44 | 43 | 37 | | | 37 |
| 2 | 88 | 81 | 75 | 70 | 80 | 74 | 69 | 65 | 62 | 58 | 55 | 50 | 48 | 45 | 40 | 38 | 36 | 31 | | | 31 |
| 3 | 80 | 71 | 64 | 58 | 73 | 66 | 59 | 54 | 55 | 50 | 46 | 45 | 41 | 39 | 35 | 33 | 31 | 27 | | | 27 |
| 4 | 74 | 63 | 55 | 50 | 67 | 58 | 51 | 46 | 49 | 44 | 40 | 40 | 36 | 33 | 32 | 29 | 27 | 23 | | | 23 |
| 5 | 68 | 56 | 48 | 43 | 62 | 52 | 45 | 40 | 44 | 38 | 34 | 36 | 32 | 29 | 29 | 26 | 24 | 20 | | | 20 |
| 6 | 62 | 51 | 43 | 37 | 57 | 47 | 40 | 35 | 39 | 34 | 30 | 32 | 28 | 25 | 26 | 23 | 21 | 18 | | | 18 |
| 7 | 58 | 46 | 38 | 32 | 53 | 42 | 35 | 30 | 36 | 30 | 26 | 30 | 26 | 23 | 24 | 21 | 19 | 16 | | | 16 |
| 8 | 54 | 41 | 34 | 29 | 49 | 38 | 32 | 27 | 33 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 14 | | | 14 |
| 9 | 50 | 38 | 31 | 26 | 46 | 35 | 29 | 24 | 30 | 25 | 21 | 25 | 21 | 18 | 20 | 17 | 15 | 13 | | | 13 |
| 10 | 47 | 35 | 28 | 23 | 43 | 32 | 26 | 22 | 27 | 22 | 19 | 23 | 19 | 16 | 19 | 16 | 14 | 12 | | | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10571 | 10571 | 10571 |
| 5° | 10594 | 10464 | 10529 |
| 10° | 10528 | 10339 | 10339 |
| 15° | 10407 | 10122 | 10046 |
| 20° | 10241 | 9836 | 9655 |
| 25° | 10029 | 9502 | 9260 |
| 30° | 9822 | 9149 | 8766 |
| 35° | 9594 | 8784 | 8270 |
| 40° | 9319 | 8368 | 7734 |
| 45° | 9065 | 7955 | 7188 |
| 50° | 8776 | 7479 | 6610 |
| 55° | 8466 | 6984 | 5983 |
| 60° | 8126 | 6442 | 5341 |
| 65° | 7815 | 5765 | 4713 |
| 70° | 7360 | 5016 | 4001 |
| 75° | 6784 | 4161 | 3250 |
| 80° | 5918 | 3166 | 2985 |
| 85° | 5011 | 2881 | 2686 |



TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 123.0 | 1.8 |
| 10°-20° | 343.0 | 4.9 |
| 20°-30° | 495.3 | 7.1 |
| 30°-40° | 561.4 | 8.1 |
| 40°-50° | 542.1 | 7.8 |
| 50°-60° | 450.8 | 6.5 |
| 60°-70° | 311.3 | 4.5 |
| 70°-80° | 157.8 | 2.3 |
| 80°-90° | 44.7 | 0.6 |
| 90°-100° | 93.4 | 1.3 |
| 100°-110° | 276.7 | 4.0 |
| 110°-120° | 469.6 | 6.7 |
| 120°-130° | 619.1 | 8.9 |
| 130°-140° | 695.3 | 10.0 |
| 140°-150° | 683.3 | 9.8 |
| 150°-160° | 574.7 | 8.3 |
| 160°-170° | 382.4 | 5.5 |
| 170°-180° | 133.9 | 1.9 |
| 0°-30° | 961.2 | 13.8 |
| 0°-40° | 1522.6 | 21.9 |
| 0°-60° | 2515.6 | 36.2 |
| 0°-90° | 3029.3 | 43.5 |
| 90°-120° | 839.6 | 12.1 |
| 90°-150° | 2837.4 | 40.8 |
| 90°-180° | 3928.0 | 56.5 |
| 0°-180° | 6957.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1309 | 1309 | 1309 | 1309 | 1309 | |
| 5° | 1307 | 1303 | 1291 | 1301 | 1299 | 124 |
| 15° | 1245 | 1235 | 1211 | 1209 | 1202 | 351 |
| 25° | 1126 | 1106 | 1067 | 1050 | 1040 | 519 |
| 35° | 974 | 940 | 891 | 858 | 839 | 608 |
| 45° | 794 | 756 | 697 | 649 | 630 | 612 |
| 55° | 602 | 560 | 496 | 446 | 425 | 538 |
| 65° | 409 | 365 | 302 | 260 | 247 | 404 |
| 75° | 218 | 180 | 133 | 111 | 104 | 230 |
| 85° | 54 | 35 | 31 | 29 | 29 | 61 |
| 90° | 3 | 15 | 24 | 30 | 33 | 7 |
| 95° | 66 | 75 | 83 | 86 | 86 | 73 |
| 105° | 255 | 256 | 261 | 264 | 267 | 271 |
| 115° | 477 | 477 | 475 | 474 | 473 | 471 |
| 125° | 695 | 695 | 694 | 692 | 690 | 620 |
| 135° | 897 | 903 | 903 | 901 | 898 | 694 |
| 145° | 1090 | 1094 | 1095 | 1094 | 1091 | 682 |
| 155° | 1248 | 1248 | 1247 | 1251 | 1247 | 574 |
| 165° | 1359 | 1356 | 1354 | 1359 | 1356 | 383 |
| 175° | 1414 | 1408 | 1407 | 1414 | 1407 | 134 |
| 180° | 1416 | 1416 | 1416 | 1416 | 1416 | |



TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 |
| 2.5° | 1312.6 | 1311.8 | 1311.1 | 1310.4 | 1309.7 | 1308.3 | 1306.4 | 1304.5 | 1302.5 | 1300.5 | 1302.5 |
| 5° | 1307.3 | 1306.5 | 1305.5 | 1304.7 | 1303.7 | 1302.0 | 1299.3 | 1296.7 | 1293.9 | 1291.3 | 1293.5 |
| 7.5° | 1295.5 | 1294.6 | 1293.6 | 1292.7 | 1291.8 | 1289.6 | 1286.1 | 1282.6 | 1279.1 | 1275.6 | 1277.1 |
| 10° | 1284.3 | 1283.2 | 1282.0 | 1280.9 | 1279.8 | 1277.2 | 1273.3 | 1269.2 | 1265.3 | 1261.2 | 1262.1 |
| 12.5° | 1269.8 | 1268.6 | 1267.2 | 1265.9 | 1264.7 | 1261.7 | 1257.0 | 1252.2 | 1247.5 | 1242.7 | 1243.3 |
| 15° | 1245.2 | 1243.2 | 1241.1 | 1239.2 | 1237.2 | 1233.4 | 1227.8 | 1222.2 | 1216.6 | 1211.1 | 1210.6 |
| 17.5° | 1215.3 | 1212.4 | 1209.5 | 1206.6 | 1203.7 | 1198.9 | 1192.2 | 1185.5 | 1178.8 | 1172.1 | 1170.9 |
| 20° | 1192.0 | 1189.1 | 1186.3 | 1183.4 | 1180.4 | 1175.3 | 1167.6 | 1160.1 | 1152.4 | 1144.9 | 1143.1 |
| 22.5° | 1166.4 | 1163.1 | 1159.9 | 1156.6 | 1153.4 | 1147.6 | 1139.5 | 1131.4 | 1123.3 | 1115.2 | 1112.6 |
| 25° | 1125.9 | 1121.8 | 1117.9 | 1113.8 | 1109.8 | 1103.2 | 1094.1 | 1085.0 | 1075.8 | 1066.7 | 1062.9 |
| 27.5° | 1083.4 | 1078.4 | 1073.3 | 1068.3 | 1063.2 | 1055.8 | 1046.0 | 1036.3 | 1026.5 | 1016.8 | 1012.1 |
| 30° | 1053.7 | 1048.1 | 1042.5 | 1037.0 | 1031.4 | 1023.4 | 1013.0 | 1002.5 | 991.9 | 981.5 | 975.9 |
| 32.5° | 1022.4 | 1016.2 | 1009.8 | 1003.5 | 997.3 | 988.7 | 977.9 | 967.0 | 956.2 | 945.4 | 939.0 |
| 35° | 973.5 | 966.4 | 959.2 | 952.1 | 945.0 | 935.9 | 924.7 | 913.5 | 902.4 | 891.3 | 883.7 |
| 37.5° | 921.1 | 913.8 | 906.4 | 899.1 | 891.7 | 881.9 | 869.6 | 857.2 | 844.9 | 832.5 | 824.1 |
| 40° | 884.3 | 876.9 | 869.6 | 862.2 | 854.9 | 844.8 | 832.1 | 819.4 | 806.7 | 794.0 | 784.7 |
| 42.5° | 848.9 | 841.2 | 833.6 | 825.9 | 818.1 | 807.7 | 794.5 | 781.2 | 768.0 | 754.7 | 745.2 |
| 45° | 794.0 | 785.8 | 777.5 | 769.3 | 761.0 | 750.3 | 736.9 | 723.5 | 710.1 | 696.8 | 685.9 |
| 47.5° | 737.3 | 728.8 | 720.3 | 711.7 | 703.2 | 692.0 | 678.2 | 664.2 | 650.4 | 636.4 | 625.1 |
| 50° | 698.8 | 690.1 | 681.4 | 672.7 | 664.0 | 652.5 | 638.3 | 624.1 | 609.7 | 595.5 | 584.4 |
| 52.5° | 659.5 | 651.0 | 642.4 | 634.0 | 625.5 | 613.9 | 599.3 | 584.7 | 570.0 | 555.4 | 544.1 |
| 55° | 601.5 | 592.6 | 583.7 | 574.8 | 565.9 | 554.2 | 539.7 | 525.2 | 510.8 | 496.2 | 484.7 |
| 57.5° | 544.2 | 534.9 | 525.7 | 516.4 | 507.1 | 495.3 | 481.1 | 466.8 | 452.6 | 438.3 | 426.6 |
| 60° | 503.3 | 494.4 | 485.5 | 476.5 | 467.6 | 456.1 | 441.8 | 427.5 | 413.3 | 399.0 | 387.4 |
| 62.5° | 466.4 | 457.1 | 447.9 | 438.6 | 429.3 | 417.4 | 402.7 | 388.1 | 373.5 | 358.9 | 348.2 |
| 65° | 409.1 | 399.4 | 389.8 | 380.3 | 370.7 | 358.8 | 344.5 | 330.3 | 316.0 | 301.8 | 292.2 |
| 67.5° | 349.5 | 340.4 | 331.1 | 322.0 | 312.7 | 301.6 | 288.3 | 275.1 | 261.8 | 248.6 | 240.3 |
| 70° | 311.8 | 302.5 | 293.0 | 283.7 | 274.4 | 263.3 | 250.6 | 237.9 | 225.3 | 212.5 | 205.2 |
| 72.5° | 271.7 | 263.3 | 254.8 | 246.3 | 237.8 | 227.6 | 215.7 | 203.6 | 191.6 | 179.6 | 173.3 |
| 75° | 217.5 | 209.3 | 201.0 | 192.8 | 184.5 | 175.2 | 164.8 | 154.3 | 143.8 | 133.4 | 128.2 |
| 77.5° | 162.6 | 155.6 | 148.6 | 141.7 | 134.6 | 126.9 | 118.5 | 110.0 | 101.5 | 93.0 | 90.0 |
| 80° | 127.3 | 120.8 | 114.4 | 107.9 | 101.5 | 94.9 | 88.2 | 81.5 | 74.8 | 68.1 | 67.5 |
| 82.5° | 96.9 | 91.0 | 85.0 | 79.1 | 73.1 | 68.2 | 64.5 | 60.6 | 56.7 | 53.0 | 52.4 |
| 85° | 54.1 | 49.7 | 45.2 | 40.8 | 36.3 | 33.7 | 33.1 | 32.4 | 31.8 | 31.1 | 30.6 |
| 87.5° | 19.1 | 18.2 | 17.3 | 16.4 | 15.6 | 15.2 | 15.5 | 15.6 | 15.8 | 16.0 | 16.1 |
| 90° | 3.3 | 5.9 | 8.7 | 11.3 | 13.9 | 16.3 | 18.3 | 20.2 | 22.1 | 24.1 | 25.5 |
| 92.5° | 23.5 | 26.5 | 29.6 | 32.6 | 35.7 | 37.9 | 39.3 | 40.6 | 42.0 | 43.4 | 44.2 |
| 95° | 65.7 | 67.9 | 70.1 | 72.3 | 74.5 | 76.4 | 78.1 | 79.8 | 81.5 | 83.2 | 84.0 |
| 97.5° | 114.8 | 116.5 | 118.3 | 120.0 | 121.8 | 123.7 | 125.6 | 127.6 | 129.6 | 131.6 | 132.5 |
| 100° | 153.4 | 154.3 | 155.2 | 156.2 | 157.2 | 158.8 | 161.0 | 163.2 | 165.3 | 167.6 | 168.1 |
| 102.5° | 193.6 | 194.0 | 194.4 | 194.7 | 195.2 | 196.3 | 198.3 | 200.4 | 202.4 | 204.3 | 205.0 |
| 105° | 255.1 | 255.4 | 255.6 | 255.9 | 256.1 | 256.7 | 257.7 | 258.6 | 259.7 | 260.6 | 261.4 |
| 107.5° | 319.7 | 320.1 | 320.4 | 320.7 | 320.9 | 321.1 | 321.3 | 321.4 | 321.6 | 321.7 | 322.4 |
| 110° | 363.5 | 364.0 | 364.5 | 365.0 | 365.5 | 365.6 | 365.4 | 365.1 | 364.9 | 364.7 | 364.2 |



TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 409.1 | 409.3 | 409.3 | 409.4 | 409.5 | 409.3 | 408.9 | 408.5 | 408.0 | 407.6 | 407.5 |
| 115° | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.2 | 476.7 | 476.3 | 475.7 | 475.2 | 475.0 |
| 117.5° | 541.9 | 542.1 | 542.2 | 542.4 | 542.6 | 542.5 | 542.2 | 541.9 | 541.5 | 541.2 | 540.4 |
| 120° | 584.8 | 585.7 | 586.7 | 587.7 | 588.6 | 588.8 | 588.1 | 587.3 | 586.5 | 585.9 | 584.7 |
| 122.5° | 629.4 | 629.8 | 630.2 | 630.6 | 631.0 | 631.0 | 630.7 | 630.4 | 630.0 | 629.6 | 628.9 |
| 125° | 695.3 | 695.3 | 695.3 | 695.3 | 695.3 | 695.2 | 695.0 | 694.7 | 694.5 | 694.3 | 693.8 |
| 127.5° | 755.2 | 755.9 | 756.6 | 757.3 | 758.1 | 758.3 | 757.8 | 757.4 | 757.1 | 756.7 | 756.2 |
| 130° | 797.2 | 798.0 | 798.6 | 799.4 | 800.1 | 800.5 | 800.5 | 800.5 | 800.5 | 800.5 | 800.0 |
| 132.5° | 840.1 | 840.7 | 841.2 | 841.7 | 842.3 | 842.4 | 842.3 | 842.1 | 841.9 | 841.7 | 841.1 |
| 135° | 896.8 | 898.3 | 899.8 | 901.3 | 902.7 | 903.4 | 903.4 | 903.4 | 903.4 | 903.4 | 903.0 |
| 137.5° | 958.6 | 959.3 | 960.0 | 960.6 | 961.3 | 961.9 | 962.2 | 962.6 | 963.0 | 963.4 | 962.8 |
| 140° | 999.8 | 1000.2 | 1000.8 | 1001.3 | 1001.7 | 1001.9 | 1001.9 | 1001.9 | 1001.9 | 1001.9 | 1001.7 |
| 142.5° | 1037.5 | 1037.9 | 1038.4 | 1038.9 | 1039.4 | 1039.5 | 1039.3 | 1039.2 | 1039.0 | 1038.8 | 1038.7 |
| 145° | 1089.6 | 1090.5 | 1091.6 | 1092.5 | 1093.4 | 1094.1 | 1094.3 | 1094.6 | 1094.8 | 1095.0 | 1094.8 |
| 147.5° | 1141.2 | 1142.5 | 1143.6 | 1144.7 | 1145.9 | 1146.4 | 1146.2 | 1146.0 | 1145.8 | 1145.7 | 1145.5 |
| 150° | 1172.8 | 1173.7 | 1174.8 | 1175.7 | 1176.7 | 1177.1 | 1177.1 | 1177.1 | 1177.1 | 1177.1 | 1177.1 |
| 152.5° | 1202.6 | 1203.2 | 1203.7 | 1204.3 | 1204.9 | 1205.3 | 1205.5 | 1205.7 | 1205.9 | 1206.1 | 1206.6 |
| 155° | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.3 | 1248.2 | 1248.0 | 1247.7 | 1247.5 | 1247.3 | 1248.2 |
| 157.5° | 1286.9 | 1286.5 | 1286.0 | 1285.6 | 1285.2 | 1284.9 | 1284.9 | 1284.8 | 1284.8 | 1284.7 | 1285.4 |
| 160° | 1309.7 | 1309.5 | 1309.2 | 1308.9 | 1308.7 | 1308.4 | 1308.2 | 1308.0 | 1307.7 | 1307.5 | 1308.2 |
| 162.5° | 1330.7 | 1330.0 | 1329.5 | 1328.8 | 1328.1 | 1327.8 | 1327.5 | 1327.3 | 1327.0 | 1326.7 | 1328.0 |
| 165° | 1359.0 | 1358.2 | 1357.4 | 1356.8 | 1356.0 | 1355.4 | 1354.9 | 1354.4 | 1354.0 | 1353.5 | 1354.9 |
| 167.5° | 1380.6 | 1379.6 | 1378.6 | 1377.5 | 1376.6 | 1376.0 | 1376.1 | 1376.1 | 1376.2 | 1376.2 | 1377.7 |
| 170° | 1392.9 | 1391.7 | 1390.4 | 1389.2 | 1388.0 | 1387.5 | 1387.8 | 1388.0 | 1388.3 | 1388.6 | 1390.0 |
| 172.5° | 1401.7 | 1400.6 | 1399.6 | 1398.5 | 1397.6 | 1397.0 | 1397.1 | 1397.2 | 1397.2 | 1397.3 | 1398.9 |
| 175° | 1413.7 | 1412.5 | 1411.3 | 1410.0 | 1408.8 | 1408.1 | 1407.9 | 1407.6 | 1407.4 | 1407.1 | 1408.8 |
| 177.5° | 1417.7 | 1416.6 | 1415.7 | 1414.8 | 1413.7 | 1413.2 | 1413.2 | 1413.2 | 1413.2 | 1413.2 | 1414.7 |
| 180° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |



TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 | 1309.4 |
| 2.5° | 1304.5 | 1306.4 | 1308.3 | 1309.3 | 1309.1 | 1308.9 | 1308.7 | 1308.5 |
| 5° | 1295.7 | 1298.0 | 1300.2 | 1301.1 | 1300.6 | 1300.2 | 1299.8 | 1299.3 |
| 7.5° | 1278.5 | 1280.0 | 1281.4 | 1281.7 | 1281.0 | 1280.3 | 1279.6 | 1278.8 |
| 10° | 1263.0 | 1263.9 | 1264.8 | 1264.8 | 1263.9 | 1263.0 | 1262.1 | 1261.2 |
| 12.5° | 1243.9 | 1244.3 | 1244.9 | 1244.5 | 1243.3 | 1242.1 | 1240.8 | 1239.5 |
| 15° | 1210.2 | 1209.8 | 1209.3 | 1208.3 | 1206.7 | 1205.1 | 1203.6 | 1202.0 |
| 17.5° | 1169.7 | 1168.5 | 1167.2 | 1165.4 | 1163.0 | 1160.6 | 1158.3 | 1155.9 |
| 20° | 1141.3 | 1139.5 | 1137.7 | 1135.5 | 1132.6 | 1129.6 | 1126.7 | 1123.9 |
| 22.5° | 1109.9 | 1107.2 | 1104.6 | 1102.0 | 1099.7 | 1097.3 | 1095.0 | 1092.6 |
| 25° | 1059.1 | 1055.4 | 1051.6 | 1048.6 | 1046.3 | 1044.1 | 1041.9 | 1039.6 |
| 27.5° | 1007.4 | 1002.8 | 998.1 | 994.1 | 990.9 | 987.7 | 984.5 | 981.3 |
| 30° | 970.3 | 964.8 | 959.2 | 954.6 | 951.1 | 947.5 | 944.0 | 940.4 |
| 32.5° | 932.5 | 926.0 | 919.5 | 914.6 | 911.3 | 907.9 | 904.5 | 901.1 |
| 35° | 876.1 | 868.6 | 861.0 | 855.2 | 851.2 | 847.2 | 843.1 | 839.1 |
| 37.5° | 815.6 | 807.1 | 798.6 | 792.4 | 788.4 | 784.4 | 780.4 | 776.4 |
| 40° | 775.3 | 765.9 | 756.6 | 749.9 | 745.9 | 741.9 | 737.9 | 733.9 |
| 42.5° | 735.7 | 726.1 | 716.6 | 709.7 | 705.5 | 701.3 | 697.2 | 693.0 |
| 45° | 675.0 | 664.0 | 653.1 | 645.6 | 641.6 | 637.6 | 633.6 | 629.6 |
| 47.5° | 613.8 | 602.5 | 591.2 | 583.2 | 578.9 | 574.5 | 570.0 | 565.6 |
| 50° | 573.3 | 562.1 | 550.9 | 543.3 | 539.0 | 534.8 | 530.6 | 526.3 |
| 52.5° | 532.8 | 521.5 | 510.1 | 502.3 | 497.9 | 493.4 | 489.1 | 484.7 |
| 55° | 473.1 | 461.5 | 450.0 | 442.1 | 437.8 | 433.6 | 429.3 | 425.1 |
| 57.5° | 414.8 | 403.0 | 391.2 | 383.8 | 380.6 | 377.4 | 374.2 | 371.0 |
| 60° | 375.9 | 364.3 | 352.7 | 345.1 | 341.6 | 338.0 | 334.4 | 330.8 |
| 62.5° | 337.5 | 326.9 | 316.1 | 309.3 | 306.5 | 303.7 | 300.8 | 297.9 |
| 65° | 282.6 | 273.1 | 263.4 | 257.3 | 254.7 | 251.9 | 249.3 | 246.7 |
| 67.5° | 232.1 | 223.9 | 215.7 | 210.1 | 207.2 | 204.2 | 201.2 | 198.3 |
| 70° | 197.8 | 190.5 | 183.1 | 178.3 | 176.2 | 173.9 | 171.6 | 169.5 |
| 72.5° | 167.1 | 160.8 | 154.5 | 150.3 | 148.4 | 146.3 | 144.2 | 142.1 |
| 75° | 123.1 | 118.0 | 112.8 | 109.6 | 108.3 | 107.0 | 105.6 | 104.2 |
| 77.5° | 87.1 | 84.1 | 81.1 | 79.4 | 79.0 | 78.6 | 78.2 | 77.8 |
| 80° | 66.8 | 66.2 | 65.5 | 65.0 | 64.8 | 64.6 | 64.4 | 64.2 |
| 82.5° | 51.9 | 51.5 | 51.0 | 50.6 | 50.4 | 50.1 | 50.0 | 49.8 |
| 85° | 30.2 | 29.8 | 29.3 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 87.5° | 16.3 | 16.4 | 16.5 | 16.7 | 17.0 | 17.2 | 17.5 | 17.8 |
| 90° | 27.1 | 28.5 | 30.0 | 30.9 | 31.4 | 31.9 | 32.3 | 32.9 |
| 92.5° | 45.1 | 46.0 | 46.8 | 47.4 | 47.8 | 48.1 | 48.4 | 48.6 |
| 95° | 84.6 | 85.4 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 97.5° | 133.4 | 134.2 | 135.2 | 135.5 | 135.5 | 135.5 | 135.5 | 135.5 |
| 100° | 168.5 | 169.0 | 169.5 | 169.8 | 169.8 | 169.8 | 169.8 | 169.8 |
| 102.5° | 205.7 | 206.4 | 207.1 | 207.5 | 207.7 | 207.9 | 208.1 | 208.3 |
| 105° | 262.1 | 262.8 | 263.5 | 264.3 | 265.0 | 265.7 | 266.5 | 267.2 |
| 107.5° | 323.1 | 323.8 | 324.4 | 324.8 | 324.7 | 324.7 | 324.6 | 324.6 |
| 110° | 363.6 | 363.2 | 362.7 | 362.8 | 363.5 | 364.3 | 365.0 | 365.7 |



TEST NUMBER: P332953-830

CATALOG NUMBER: S124RDIP-S795D1205U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 407.4 | 407.3 | 407.2 | 407.2 | 407.4 | 407.5 | 407.6 | 407.8 |
| 115° | 474.8 | 474.5 | 474.3 | 474.0 | 473.8 | 473.5 | 473.3 | 473.1 |
| 117.5° | 539.5 | 538.7 | 537.8 | 537.2 | 536.7 | 536.2 | 535.7 | 535.3 |
| 120° | 583.4 | 582.2 | 581.0 | 580.6 | 581.1 | 581.5 | 582.1 | 582.6 |
| 122.5° | 628.0 | 627.2 | 626.3 | 625.5 | 624.6 | 623.8 | 622.8 | 622.0 |
| 125° | 693.2 | 692.8 | 692.3 | 691.8 | 691.4 | 690.9 | 690.3 | 689.8 |
| 127.5° | 755.7 | 755.3 | 754.7 | 754.3 | 753.9 | 753.5 | 753.1 | 752.7 |
| 130° | 799.5 | 799.0 | 798.5 | 797.8 | 796.8 | 795.9 | 794.8 | 793.9 |
| 132.5° | 840.7 | 840.2 | 839.7 | 839.2 | 838.9 | 838.5 | 838.1 | 837.7 |
| 135° | 902.5 | 901.9 | 901.4 | 900.9 | 900.1 | 899.4 | 898.6 | 898.0 |
| 137.5° | 962.1 | 961.5 | 960.9 | 960.6 | 960.8 | 960.9 | 961.1 | 961.2 |
| 140° | 1001.5 | 1001.3 | 1001.0 | 1000.8 | 1000.5 | 1000.2 | 1000.0 | 999.8 |
| 142.5° | 1038.7 | 1038.6 | 1038.6 | 1038.5 | 1038.5 | 1038.4 | 1038.4 | 1038.3 |
| 145° | 1094.6 | 1094.3 | 1094.1 | 1093.5 | 1092.9 | 1092.1 | 1091.4 | 1090.7 |
| 147.5° | 1145.3 | 1145.1 | 1144.8 | 1144.6 | 1144.4 | 1144.2 | 1143.9 | 1143.7 |
| 150° | 1177.1 | 1177.1 | 1177.1 | 1177.0 | 1176.8 | 1176.6 | 1176.3 | 1176.1 |
| 152.5° | 1207.2 | 1207.9 | 1208.4 | 1208.4 | 1207.8 | 1207.1 | 1206.5 | 1205.9 |
| 155° | 1249.2 | 1250.2 | 1251.1 | 1251.1 | 1250.2 | 1249.2 | 1248.2 | 1247.3 |
| 157.5° | 1286.2 | 1286.9 | 1287.6 | 1287.6 | 1286.8 | 1285.9 | 1285.1 | 1284.3 |
| 160° | 1308.9 | 1309.7 | 1310.4 | 1310.1 | 1308.9 | 1307.7 | 1306.6 | 1305.3 |
| 162.5° | 1329.4 | 1330.7 | 1332.0 | 1332.1 | 1330.9 | 1329.6 | 1328.4 | 1327.2 |
| 165° | 1356.4 | 1357.8 | 1359.3 | 1359.5 | 1358.6 | 1357.6 | 1356.6 | 1355.7 |
| 167.5° | 1379.1 | 1380.6 | 1382.1 | 1382.1 | 1380.5 | 1379.0 | 1377.5 | 1376.0 |
| 170° | 1391.5 | 1392.9 | 1394.4 | 1394.2 | 1392.5 | 1390.8 | 1389.1 | 1387.4 |
| 172.5° | 1400.6 | 1402.2 | 1403.9 | 1403.9 | 1402.1 | 1400.4 | 1398.7 | 1397.0 |
| 175° | 1410.5 | 1412.2 | 1413.9 | 1413.9 | 1412.2 | 1410.5 | 1408.8 | 1407.1 |
| 177.5° | 1416.0 | 1417.4 | 1418.7 | 1418.6 | 1417.0 | 1415.5 | 1413.9 | 1412.4 |
| 180° | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 | 1415.9 |

(END OF REPORT)