

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: P332948

Luminaire Tested: **S124RDIP-S795D1035U835-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332948
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D1035U835-4F0-1E-UDD-F4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6908.0 lumens
Efficiency: N/A
Efficacy: 132.8 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

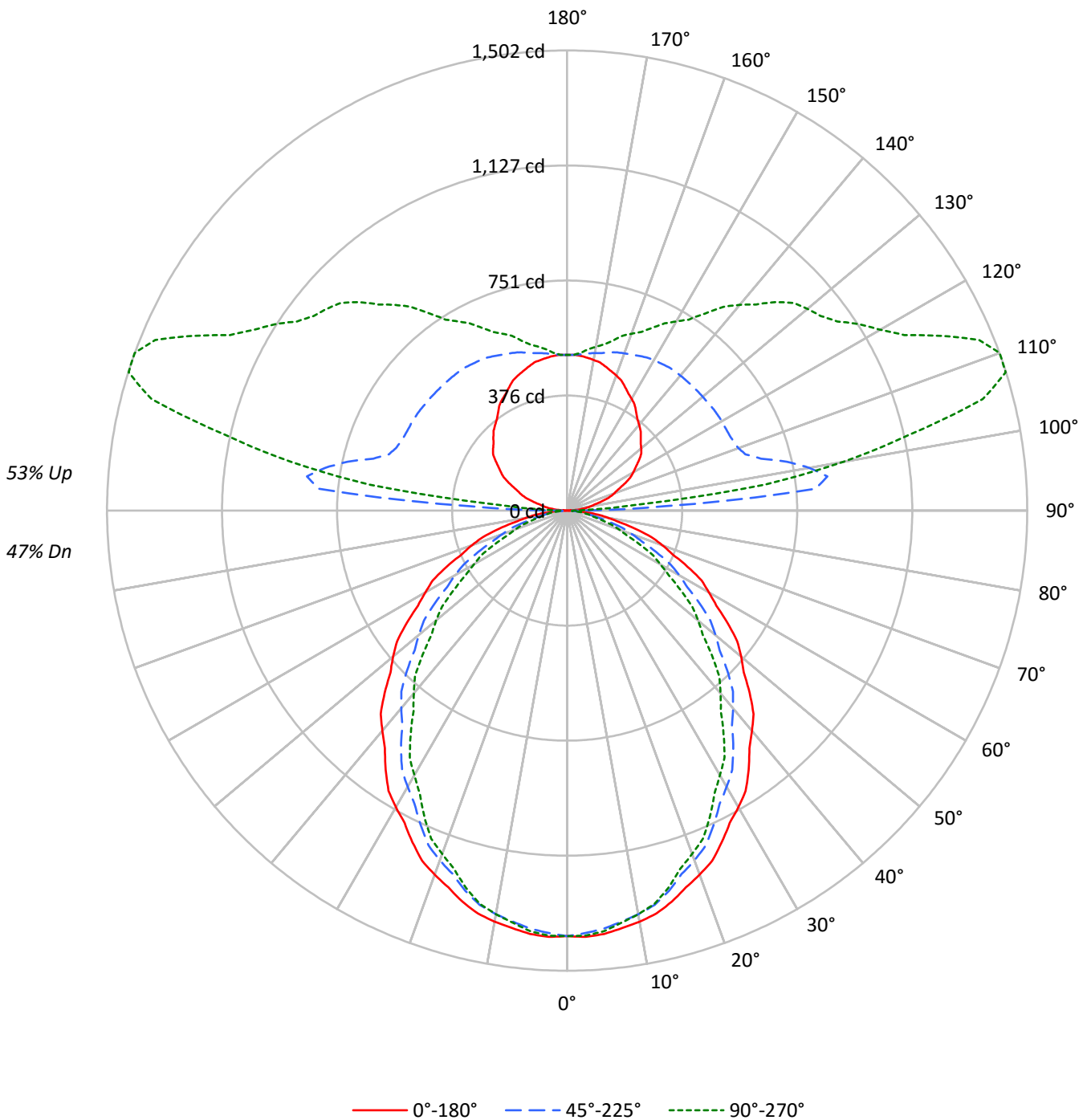
Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF | 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 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 81 | 81 | 81 | 67 | 67 | 67 | 53 | 53 | 53 | 47 | | | | | | 47 | | | | | | | | | | | | | | |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 79 | 72 | 69 | 67 | 59 | 57 | 56 | 47 | 46 | 45 | 40 | | | | | | 40 | | | | | | | | | | | | | | |
| 2 | 89 | 82 | 76 | 71 | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 52 | 49 | 47 | 42 | 40 | 38 | 34 | | | | | | 34 | | | | | | | | | | | | | | |
| 3 | 81 | 72 | 65 | 59 | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 29 | | | | | | 29 | | | | | | | | | | | | | | |
| 4 | 74 | 64 | 56 | 50 | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 41 | 38 | 34 | 33 | 31 | 29 | 25 | | | | | | 25 | | | | | | | | | | | | | | |
| 5 | 68 | 57 | 49 | 43 | 62 | 53 | 46 | 40 | 45 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 22 | | | | | | 22 | | | | | | | | | | | | | | |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 26 | 27 | 24 | 22 | 19 | | | | | | 19 | | | | | | | | | | | | | | |
| 7 | 58 | 46 | 38 | 33 | 53 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 26 | 23 | 25 | 22 | 20 | 17 | | | | | | 17 | | | | | | | | | | | | | | |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | 15 | | | | | | 15 | | | | | | | | | | | | | | |
| 9 | 50 | 38 | 31 | 26 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | 14 | | | | | | 14 | | | | | | | | | | | | | | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 20 | 17 | 15 | 13 | | | | | | 13 | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11215 | 11215 | 11215 |
| 5° | 11240 | 11102 | 11171 |
| 10° | 11170 | 10969 | 10969 |
| 15° | 11041 | 10739 | 10659 |
| 20° | 10865 | 10436 | 10244 |
| 25° | 10640 | 10081 | 9825 |
| 30° | 10421 | 9707 | 9300 |
| 35° | 10178 | 9319 | 8774 |
| 40° | 9887 | 8878 | 8205 |
| 45° | 9618 | 8440 | 7626 |
| 50° | 9311 | 7935 | 7013 |
| 55° | 8983 | 7410 | 6348 |
| 60° | 8622 | 6835 | 5667 |
| 65° | 8290 | 6117 | 4999 |
| 70° | 7808 | 5323 | 4244 |
| 75° | 7199 | 4414 | 3450 |
| 80° | 6281 | 3361 | 3166 |
| 85° | 5317 | 3057 | 2853 |



TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 130.5 | 1.9 |
| 10°-20° | 363.9 | 5.3 |
| 20°-30° | 525.5 | 7.6 |
| 30°-40° | 595.6 | 8.6 |
| 40°-50° | 575.2 | 8.3 |
| 50°-60° | 478.3 | 6.9 |
| 60°-70° | 330.3 | 4.8 |
| 70°-80° | 167.4 | 2.4 |
| 80°-90° | 45.7 | 0.7 |
| 90°-100° | 367.0 | 5.3 |
| 100°-110° | 763.9 | 11.1 |
| 110°-120° | 684.2 | 9.9 |
| 120°-130° | 575.5 | 8.3 |
| 130°-140° | 479.9 | 6.9 |
| 140°-150° | 366.6 | 5.3 |
| 150°-160° | 257.7 | 3.7 |
| 160°-170° | 151.6 | 2.2 |
| 170°-180° | 49.3 | 0.7 |
| 0°-30° | 1019.8 | 14.8 |
| 0°-40° | 1615.5 | 23.4 |
| 0°-60° | 2668.9 | 38.6 |
| 0°-90° | 3212.3 | 46.5 |
| 90°-120° | 1815.1 | 26.3 |
| 90°-150° | 3237.1 | 46.9 |
| 90°-180° | 3696.0 | 53.5 |
| 0°-180° | 6908.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1389 | 1389 | 1389 | 1389 | 1389 | |
| 5° | 1387 | 1382 | 1370 | 1380 | 1378 | 132 |
| 15° | 1321 | 1311 | 1285 | 1282 | 1275 | 372 |
| 25° | 1194 | 1174 | 1132 | 1114 | 1103 | 550 |
| 35° | 1033 | 998 | 946 | 910 | 890 | 645 |
| 45° | 842 | 802 | 739 | 689 | 668 | 649 |
| 55° | 638 | 594 | 526 | 473 | 451 | 571 |
| 65° | 434 | 387 | 320 | 276 | 262 | 428 |
| 75° | 231 | 191 | 142 | 118 | 111 | 244 |
| 85° | 57 | 37 | 33 | 31 | 31 | 65 |
| 90° | 1 | 8 | 18 | 20 | 21 | 5 |
| 95° | 33 | 104 | 814 | 403 | 244 | 37 |
| 105° | 117 | 169 | 655 | 1410 | 1405 | 125 |
| 115° | 206 | 258 | 584 | 1122 | 1349 | 204 |
| 125° | 286 | 340 | 581 | 955 | 1076 | 255 |
| 135° | 340 | 405 | 576 | 848 | 962 | 263 |
| 145° | 392 | 449 | 573 | 715 | 786 | 246 |
| 155° | 446 | 482 | 557 | 631 | 658 | 206 |
| 165° | 486 | 501 | 534 | 566 | 574 | 137 |
| 175° | 507 | 508 | 512 | 519 | 517 | 48 |
| 180° | 508 | 508 | 508 | 508 | 508 | |



TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 |
| 2.5° | 1392.6 | 1391.8 | 1391.0 | 1390.3 | 1389.5 | 1388.1 | 1386.0 | 1384.0 | 1381.9 | 1379.8 | 1381.9 |
| 5° | 1387.0 | 1386.1 | 1385.1 | 1384.2 | 1383.2 | 1381.4 | 1378.5 | 1375.7 | 1372.8 | 1370.0 | 1372.4 |
| 7.5° | 1374.5 | 1373.5 | 1372.5 | 1371.5 | 1370.5 | 1368.2 | 1364.5 | 1360.8 | 1357.1 | 1353.4 | 1354.9 |
| 10° | 1362.6 | 1361.4 | 1360.2 | 1359.0 | 1357.8 | 1355.1 | 1350.9 | 1346.6 | 1342.4 | 1338.1 | 1339.0 |
| 12.5° | 1347.2 | 1345.9 | 1344.5 | 1343.1 | 1341.8 | 1338.6 | 1333.6 | 1328.5 | 1323.5 | 1318.5 | 1319.1 |
| 15° | 1321.1 | 1319.0 | 1316.8 | 1314.7 | 1312.6 | 1308.6 | 1302.6 | 1296.7 | 1290.8 | 1284.9 | 1284.4 |
| 17.5° | 1289.4 | 1286.3 | 1283.2 | 1280.2 | 1277.1 | 1272.0 | 1264.9 | 1257.8 | 1250.7 | 1243.6 | 1242.3 |
| 20° | 1264.7 | 1261.6 | 1258.6 | 1255.5 | 1252.4 | 1246.9 | 1238.8 | 1230.8 | 1222.7 | 1214.7 | 1212.8 |
| 22.5° | 1237.5 | 1234.0 | 1230.6 | 1227.1 | 1223.7 | 1217.6 | 1209.0 | 1200.4 | 1191.8 | 1183.2 | 1180.4 |
| 25° | 1194.5 | 1190.2 | 1186.0 | 1181.7 | 1177.5 | 1170.5 | 1160.8 | 1151.1 | 1141.4 | 1131.7 | 1127.7 |
| 27.5° | 1149.4 | 1144.1 | 1138.7 | 1133.4 | 1128.0 | 1120.2 | 1109.8 | 1099.5 | 1089.1 | 1078.8 | 1073.8 |
| 30° | 1117.9 | 1112.0 | 1106.1 | 1100.2 | 1094.3 | 1085.8 | 1074.7 | 1063.6 | 1052.4 | 1041.3 | 1035.4 |
| 32.5° | 1084.7 | 1078.1 | 1071.4 | 1064.7 | 1058.1 | 1049.0 | 1037.5 | 1026.0 | 1014.5 | 1003.0 | 996.2 |
| 35° | 1032.8 | 1025.3 | 1017.7 | 1010.1 | 1002.6 | 992.9 | 981.1 | 969.2 | 957.4 | 945.6 | 937.6 |
| 37.5° | 977.3 | 969.5 | 961.7 | 953.9 | 946.1 | 935.7 | 922.6 | 909.5 | 896.4 | 883.3 | 874.3 |
| 40° | 938.2 | 930.4 | 922.6 | 914.8 | 907.0 | 896.3 | 882.8 | 869.4 | 855.9 | 842.4 | 832.5 |
| 42.5° | 900.7 | 892.5 | 884.4 | 876.2 | 868.0 | 856.9 | 842.9 | 828.8 | 814.8 | 800.7 | 790.6 |
| 45° | 842.4 | 833.7 | 824.9 | 816.2 | 807.4 | 796.0 | 781.8 | 767.6 | 753.4 | 739.3 | 727.7 |
| 47.5° | 782.2 | 773.2 | 764.2 | 755.1 | 746.1 | 734.2 | 719.5 | 704.7 | 690.0 | 675.2 | 663.2 |
| 50° | 741.4 | 732.2 | 722.9 | 713.7 | 704.5 | 692.3 | 677.2 | 662.1 | 646.9 | 631.8 | 620.0 |
| 52.5° | 699.7 | 690.7 | 681.6 | 672.6 | 663.6 | 651.3 | 635.8 | 620.3 | 604.8 | 589.3 | 577.3 |
| 55° | 638.2 | 628.7 | 619.3 | 609.8 | 600.4 | 588.0 | 572.6 | 557.2 | 541.9 | 526.5 | 514.2 |
| 57.5° | 577.4 | 567.5 | 557.7 | 547.9 | 538.0 | 525.5 | 510.4 | 495.3 | 480.2 | 465.0 | 452.6 |
| 60° | 534.0 | 524.5 | 515.1 | 505.6 | 496.1 | 483.9 | 468.7 | 453.6 | 438.5 | 423.3 | 411.0 |
| 62.5° | 494.8 | 485.0 | 475.2 | 465.3 | 455.5 | 442.8 | 427.3 | 411.8 | 396.3 | 380.8 | 369.4 |
| 65° | 434.0 | 423.8 | 413.6 | 403.5 | 393.3 | 380.7 | 365.5 | 350.4 | 335.3 | 320.2 | 310.0 |
| 67.5° | 370.8 | 361.1 | 351.3 | 341.6 | 331.8 | 320.0 | 305.9 | 291.9 | 277.8 | 263.8 | 255.0 |
| 70° | 330.8 | 320.9 | 310.9 | 301.0 | 291.1 | 279.4 | 265.9 | 252.4 | 239.0 | 225.5 | 217.7 |
| 72.5° | 288.3 | 279.3 | 270.3 | 261.3 | 252.3 | 241.5 | 228.8 | 216.0 | 203.3 | 190.6 | 183.9 |
| 75° | 230.8 | 222.1 | 213.3 | 204.6 | 195.8 | 185.9 | 174.8 | 163.7 | 152.6 | 141.5 | 136.0 |
| 77.5° | 172.5 | 165.1 | 157.7 | 150.3 | 142.8 | 134.6 | 125.7 | 116.7 | 107.7 | 98.7 | 95.5 |
| 80° | 135.1 | 128.2 | 121.4 | 114.5 | 107.7 | 100.7 | 93.6 | 86.5 | 79.4 | 72.3 | 71.6 |
| 82.5° | 102.8 | 96.5 | 90.2 | 83.9 | 77.6 | 72.4 | 68.4 | 64.3 | 60.2 | 56.2 | 55.6 |
| 85° | 57.4 | 52.7 | 48.0 | 43.3 | 38.5 | 35.8 | 35.1 | 34.4 | 33.7 | 33.0 | 32.5 |
| 87.5° | 19.8 | 18.7 | 17.7 | 16.4 | 15.1 | 14.3 | 15.3 | 15.1 | 15.3 | 15.5 | 15.1 |
| 90° | 1.0 | 3.0 | 6.0 | 7.0 | 8.0 | 8.0 | 14.0 | 14.0 | 16.0 | 18.0 | 17.0 |
| 92.5° | 11.4 | 16.6 | 26.0 | 38.1 | 52.7 | 73.5 | 124.2 | 201.7 | 277.1 | 316.7 | 263.8 |
| 95° | 32.9 | 35.9 | 45.9 | 58.9 | 82.9 | 124.8 | 211.6 | 375.4 | 614.0 | 813.6 | 836.6 |
| 97.5° | 59.1 | 59.1 | 67.7 | 79.7 | 100.2 | 135.4 | 202.3 | 337.4 | 574.6 | 856.9 | 1051.0 |
| 100° | 75.9 | 75.9 | 82.9 | 94.8 | 113.8 | 145.8 | 204.7 | 317.5 | 521.1 | 802.6 | 1058.2 |
| 102.5° | 91.8 | 93.4 | 99.6 | 110.8 | 129.0 | 159.3 | 212.6 | 311.9 | 485.2 | 734.8 | 998.3 |
| 105° | 116.8 | 119.8 | 124.8 | 136.8 | 154.7 | 183.7 | 231.6 | 314.5 | 454.2 | 654.9 | 889.5 |
| 107.5° | 144.4 | 146.4 | 151.3 | 164.1 | 181.3 | 209.8 | 253.8 | 329.2 | 448.6 | 610.2 | 801.6 |
| 110° | 162.7 | 164.7 | 169.7 | 181.7 | 199.7 | 226.6 | 270.5 | 340.4 | 450.2 | 595.0 | 757.7 |



TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 180.3 | 182.3 | 188.1 | 199.3 | 217.2 | 244.2 | 286.5 | 352.4 | 455.0 | 587.8 | 733.0 |
| 115° | 205.7 | 208.6 | 215.6 | 225.6 | 244.6 | 271.5 | 311.5 | 371.4 | 464.2 | 584.0 | 709.8 |
| 117.5° | 232.0 | 234.8 | 241.0 | 252.0 | 269.7 | 297.7 | 335.6 | 390.7 | 474.0 | 583.0 | 699.4 |
| 120° | 249.6 | 251.6 | 258.6 | 269.5 | 286.5 | 314.5 | 352.4 | 404.3 | 481.2 | 583.0 | 693.8 |
| 122.5° | 265.6 | 267.5 | 274.5 | 284.7 | 303.3 | 330.4 | 368.4 | 417.1 | 488.4 | 582.2 | 687.4 |
| 125° | 286.5 | 290.5 | 296.5 | 307.5 | 326.4 | 354.4 | 390.3 | 436.3 | 499.2 | 581.0 | 676.9 |
| 127.5° | 305.1 | 308.3 | 315.5 | 328.0 | 347.8 | 376.0 | 410.7 | 452.8 | 507.7 | 578.8 | 662.7 |
| 130° | 315.5 | 319.5 | 327.4 | 342.4 | 361.4 | 390.3 | 424.3 | 463.2 | 514.1 | 578.0 | 653.9 |
| 132.5° | 325.8 | 329.0 | 339.4 | 353.6 | 374.2 | 401.5 | 435.5 | 473.6 | 519.7 | 577.2 | 645.9 |
| 135° | 340.4 | 344.4 | 354.4 | 371.4 | 392.3 | 418.3 | 451.2 | 487.2 | 528.1 | 576.0 | 633.9 |
| 137.5° | 355.0 | 358.8 | 369.8 | 385.9 | 407.7 | 432.5 | 463.2 | 496.8 | 533.1 | 575.8 | 623.5 |
| 140° | 365.4 | 368.4 | 379.4 | 396.3 | 417.3 | 441.3 | 471.2 | 503.1 | 537.1 | 575.0 | 618.0 |
| 142.5° | 376.6 | 379.6 | 389.7 | 405.9 | 426.1 | 449.2 | 478.4 | 507.9 | 540.3 | 575.0 | 613.2 |
| 145° | 392.3 | 395.3 | 405.3 | 419.3 | 438.3 | 460.2 | 486.2 | 513.1 | 542.1 | 573.0 | 605.0 |
| 147.5° | 410.1 | 411.1 | 419.9 | 434.3 | 450.0 | 469.8 | 494.2 | 517.7 | 543.1 | 569.4 | 597.6 |
| 150° | 421.3 | 422.3 | 430.3 | 442.3 | 457.2 | 476.2 | 498.2 | 520.1 | 543.1 | 567.0 | 592.0 |
| 152.5° | 431.7 | 431.9 | 439.9 | 451.0 | 464.4 | 481.8 | 501.4 | 521.7 | 541.5 | 563.0 | 585.6 |
| 155° | 446.2 | 447.2 | 453.2 | 463.2 | 474.2 | 489.2 | 506.1 | 523.1 | 539.1 | 557.1 | 576.0 |
| 157.5° | 460.4 | 460.4 | 466.0 | 473.8 | 483.4 | 495.2 | 509.5 | 523.1 | 536.5 | 550.9 | 566.2 |
| 160° | 469.2 | 469.2 | 473.2 | 480.2 | 488.2 | 499.2 | 511.1 | 523.1 | 534.1 | 546.1 | 559.1 |
| 162.5° | 477.2 | 476.4 | 479.6 | 485.8 | 493.0 | 501.6 | 512.7 | 523.1 | 531.7 | 541.3 | 552.7 |
| 165° | 486.2 | 486.2 | 488.2 | 493.2 | 498.2 | 504.1 | 513.1 | 521.1 | 527.1 | 534.1 | 542.1 |
| 167.5° | 495.2 | 494.2 | 495.2 | 499.0 | 501.8 | 506.3 | 512.9 | 518.7 | 522.3 | 526.9 | 532.5 |
| 170° | 499.2 | 498.2 | 499.2 | 502.2 | 504.1 | 507.1 | 512.1 | 517.1 | 519.1 | 522.1 | 526.1 |
| 172.5° | 503.1 | 502.2 | 502.3 | 504.5 | 505.7 | 507.9 | 511.3 | 515.5 | 515.9 | 517.3 | 520.5 |
| 175° | 507.1 | 506.1 | 506.1 | 507.1 | 508.1 | 508.1 | 510.1 | 513.1 | 512.1 | 512.1 | 514.1 |
| 177.5° | 508.9 | 508.1 | 507.3 | 508.1 | 508.1 | 508.1 | 508.9 | 510.5 | 508.9 | 508.9 | 509.7 |
| 180° | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |



TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 | 1389.2 |
| 2.5° | 1384.0 | 1386.0 | 1388.1 | 1389.1 | 1388.9 | 1388.7 | 1388.5 | 1388.3 |
| 5° | 1374.7 | 1377.1 | 1379.5 | 1380.4 | 1379.9 | 1379.5 | 1379.0 | 1378.5 |
| 7.5° | 1356.4 | 1358.0 | 1359.5 | 1359.8 | 1359.1 | 1358.3 | 1357.6 | 1356.8 |
| 10° | 1340.0 | 1340.9 | 1341.9 | 1341.9 | 1340.9 | 1340.0 | 1339.0 | 1338.1 |
| 12.5° | 1319.7 | 1320.2 | 1320.8 | 1320.4 | 1319.1 | 1317.8 | 1316.4 | 1315.1 |
| 15° | 1284.0 | 1283.5 | 1283.0 | 1282.0 | 1280.3 | 1278.6 | 1277.0 | 1275.3 |
| 17.5° | 1241.0 | 1239.7 | 1238.3 | 1236.4 | 1233.9 | 1231.4 | 1228.9 | 1226.4 |
| 20° | 1210.9 | 1209.0 | 1207.1 | 1204.7 | 1201.6 | 1198.5 | 1195.4 | 1192.4 |
| 22.5° | 1177.6 | 1174.7 | 1171.9 | 1169.2 | 1166.7 | 1164.2 | 1161.7 | 1159.2 |
| 25° | 1123.7 | 1119.7 | 1115.7 | 1112.5 | 1110.1 | 1107.8 | 1105.4 | 1103.0 |
| 27.5° | 1068.8 | 1063.9 | 1058.9 | 1054.7 | 1051.3 | 1047.9 | 1044.5 | 1041.1 |
| 30° | 1029.5 | 1023.6 | 1017.7 | 1012.8 | 1009.1 | 1005.3 | 1001.5 | 997.7 |
| 32.5° | 989.3 | 982.5 | 975.6 | 970.4 | 966.8 | 963.2 | 959.6 | 956.0 |
| 35° | 929.5 | 921.5 | 913.5 | 907.3 | 903.1 | 898.8 | 894.5 | 890.3 |
| 37.5° | 865.3 | 856.3 | 847.3 | 840.7 | 836.5 | 832.2 | 828.0 | 823.7 |
| 40° | 822.6 | 812.6 | 802.7 | 795.6 | 791.4 | 787.1 | 782.9 | 778.6 |
| 42.5° | 780.5 | 770.4 | 760.3 | 753.0 | 748.5 | 744.1 | 739.7 | 735.2 |
| 45° | 716.1 | 704.5 | 692.9 | 685.0 | 680.7 | 676.5 | 672.2 | 668.0 |
| 47.5° | 651.2 | 639.2 | 627.2 | 618.8 | 614.2 | 609.5 | 604.8 | 600.1 |
| 50° | 608.2 | 596.4 | 584.5 | 576.4 | 571.9 | 567.4 | 562.9 | 558.4 |
| 52.5° | 565.3 | 553.3 | 541.2 | 532.9 | 528.2 | 523.5 | 518.9 | 514.2 |
| 55° | 501.9 | 489.6 | 477.4 | 469.0 | 464.5 | 460.0 | 455.5 | 451.0 |
| 57.5° | 440.1 | 427.6 | 415.1 | 407.2 | 403.8 | 400.4 | 397.0 | 393.6 |
| 60° | 398.8 | 386.5 | 374.2 | 366.1 | 362.4 | 358.6 | 354.8 | 351.0 |
| 62.5° | 358.1 | 346.8 | 335.4 | 328.2 | 325.2 | 322.2 | 319.1 | 316.1 |
| 65° | 299.8 | 289.7 | 279.5 | 273.0 | 270.2 | 267.3 | 264.5 | 261.7 |
| 67.5° | 246.3 | 237.6 | 228.8 | 222.9 | 219.8 | 216.6 | 213.5 | 210.4 |
| 70° | 209.9 | 202.1 | 194.3 | 189.2 | 186.9 | 184.5 | 182.1 | 179.8 |
| 72.5° | 177.3 | 170.6 | 163.9 | 159.5 | 157.4 | 155.2 | 153.0 | 150.8 |
| 75° | 130.6 | 125.2 | 119.7 | 116.3 | 114.9 | 113.5 | 112.0 | 110.6 |
| 77.5° | 92.4 | 89.2 | 86.0 | 84.2 | 83.8 | 83.4 | 83.0 | 82.5 |
| 80° | 70.9 | 70.2 | 69.5 | 69.0 | 68.8 | 68.5 | 68.3 | 68.1 |
| 82.5° | 55.1 | 54.6 | 54.1 | 53.7 | 53.5 | 53.2 | 53.0 | 52.8 |
| 85° | 32.0 | 31.6 | 31.1 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 |
| 87.5° | 15.1 | 15.1 | 15.1 | 15.1 | 15.5 | 15.9 | 15.9 | 16.1 |
| 90° | 18.0 | 19.0 | 20.0 | 20.0 | 21.0 | 22.0 | 21.0 | 21.0 |
| 92.5° | 196.1 | 147.6 | 117.4 | 97.4 | 85.7 | 80.3 | 76.9 | 76.9 |
| 95° | 739.7 | 585.0 | 451.2 | 354.4 | 305.5 | 274.5 | 256.6 | 243.6 |
| 97.5° | 1093.0 | 1035.4 | 937.8 | 833.6 | 761.9 | 701.8 | 671.9 | 651.1 |
| 100° | 1204.0 | 1223.9 | 1175.0 | 1101.1 | 1014.3 | 953.4 | 923.4 | 915.5 |
| 102.5° | 1198.4 | 1297.4 | 1311.6 | 1280.8 | 1227.5 | 1183.4 | 1151.9 | 1145.5 |
| 105° | 1118.1 | 1290.8 | 1389.6 | 1430.6 | 1432.6 | 1424.6 | 1410.6 | 1404.6 |
| 107.5° | 1004.1 | 1188.0 | 1327.2 | 1416.2 | 1465.5 | 1488.3 | 1498.3 | 1500.9 |
| 110° | 935.4 | 1108.1 | 1252.9 | 1362.7 | 1433.6 | 1475.5 | 1493.5 | 1502.5 |



TEST NUMBER: P332948

CATALOG NUMBER: S124RDIP-S795D1035U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 885.1 | 1037.8 | 1174.6 | 1284.4 | 1364.9 | 1415.6 | 1440.8 | 1455.3 |
| 115° | 834.6 | 957.4 | 1074.2 | 1170.0 | 1248.9 | 1308.8 | 1340.7 | 1348.7 |
| 117.5° | 809.8 | 911.5 | 1003.3 | 1084.6 | 1151.9 | 1202.2 | 1234.5 | 1240.7 |
| 120° | 798.6 | 891.5 | 971.4 | 1042.2 | 1099.1 | 1143.1 | 1169.0 | 1180.0 |
| 122.5° | 789.1 | 878.7 | 951.4 | 1013.5 | 1061.6 | 1099.1 | 1121.1 | 1132.1 |
| 125° | 772.7 | 858.5 | 927.4 | 982.3 | 1022.3 | 1051.2 | 1070.2 | 1076.2 |
| 127.5° | 752.7 | 834.8 | 903.5 | 955.6 | 995.7 | 1021.5 | 1037.4 | 1043.4 |
| 130° | 736.8 | 815.6 | 883.5 | 936.4 | 977.3 | 1002.3 | 1018.3 | 1024.3 |
| 132.5° | 720.0 | 794.1 | 860.3 | 913.3 | 953.4 | 981.5 | 996.7 | 1002.7 |
| 135° | 696.8 | 761.7 | 822.6 | 872.5 | 912.5 | 940.4 | 956.4 | 962.4 |
| 137.5° | 675.9 | 730.8 | 782.1 | 827.2 | 864.5 | 892.1 | 905.3 | 912.5 |
| 140° | 663.9 | 710.8 | 755.7 | 797.6 | 832.6 | 854.6 | 868.5 | 876.5 |
| 142.5° | 652.7 | 694.0 | 732.6 | 768.9 | 799.8 | 820.2 | 832.6 | 838.2 |
| 145° | 636.9 | 670.9 | 700.8 | 728.8 | 753.7 | 770.7 | 780.7 | 785.7 |
| 147.5° | 623.9 | 650.9 | 674.9 | 696.8 | 715.2 | 729.8 | 737.4 | 739.1 |
| 150° | 616.0 | 638.9 | 658.9 | 676.9 | 692.8 | 705.8 | 711.8 | 712.8 |
| 152.5° | 607.2 | 626.9 | 645.3 | 660.1 | 673.7 | 684.2 | 687.8 | 688.8 |
| 155° | 594.0 | 610.0 | 624.9 | 636.9 | 646.9 | 654.9 | 657.9 | 657.9 |
| 157.5° | 579.8 | 593.2 | 605.8 | 615.4 | 622.9 | 628.9 | 630.7 | 630.7 |
| 160° | 571.0 | 582.0 | 593.0 | 601.0 | 607.0 | 613.0 | 614.0 | 614.0 |
| 162.5° | 562.2 | 571.6 | 580.2 | 587.4 | 591.8 | 597.8 | 598.8 | 598.0 |
| 165° | 550.1 | 556.1 | 563.0 | 568.0 | 572.0 | 576.0 | 575.0 | 574.0 |
| 167.5° | 538.3 | 542.9 | 548.5 | 551.5 | 553.5 | 556.1 | 555.9 | 555.1 |
| 170° | 531.1 | 534.1 | 538.1 | 541.1 | 543.1 | 544.1 | 543.1 | 543.1 |
| 172.5° | 524.7 | 526.9 | 529.3 | 531.5 | 532.7 | 533.7 | 532.7 | 531.1 |
| 175° | 516.1 | 517.1 | 519.1 | 519.1 | 519.1 | 521.1 | 519.1 | 517.1 |
| 177.5° | 510.5 | 511.3 | 511.3 | 512.1 | 511.3 | 512.1 | 510.5 | 508.9 |
| 180° | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 | 508.1 |

(END OF REPORT)