

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: P332934-840

Luminaire Tested: **S124RDIP-S795D590U840-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332934-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S795D590U840-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5625.8 lumens
Efficiency: N/A
Efficacy: 139.6 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

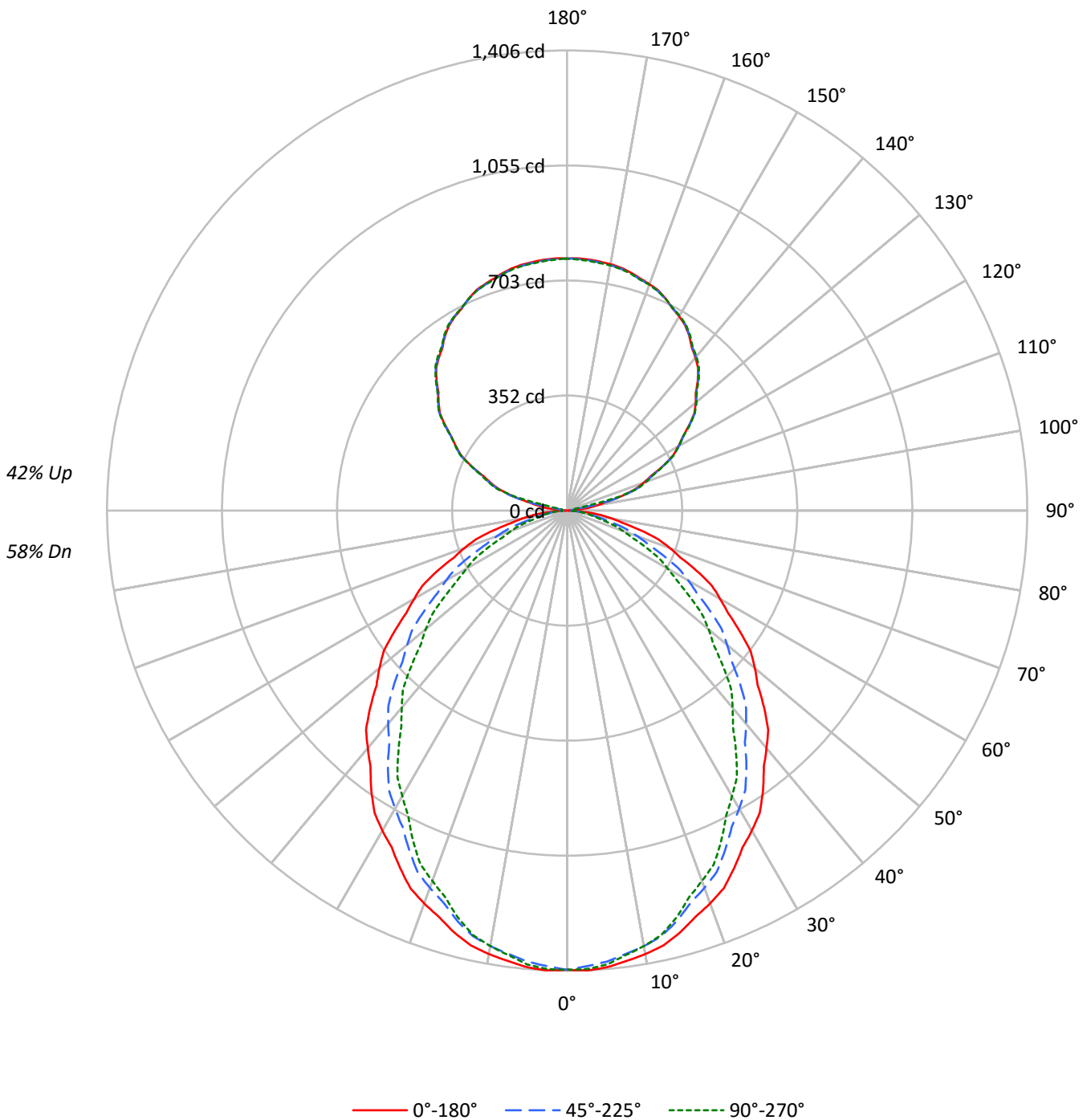
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 75 | 75 | 75 | 63 | 63 | 63 | 58 |
| 1 | 100 | 96 | 92 | 88 | 93 | 89 | 86 | 83 | 77 | 75 | 73 | 66 | 65 | 63 | 56 | 55 | 54 | 49 |
| 2 | 91 | 84 | 78 | 73 | 85 | 78 | 73 | 69 | 68 | 64 | 61 | 59 | 56 | 53 | 50 | 48 | 46 | 42 |
| 3 | 83 | 74 | 67 | 61 | 77 | 69 | 63 | 58 | 60 | 55 | 51 | 52 | 48 | 45 | 44 | 42 | 39 | 36 |
| 4 | 76 | 66 | 58 | 52 | 71 | 62 | 55 | 49 | 54 | 48 | 44 | 47 | 42 | 39 | 40 | 37 | 34 | 31 |
| 5 | 70 | 59 | 51 | 45 | 65 | 55 | 48 | 42 | 48 | 43 | 38 | 42 | 38 | 34 | 36 | 33 | 30 | 27 |
| 6 | 65 | 53 | 45 | 39 | 60 | 50 | 42 | 37 | 44 | 38 | 33 | 38 | 33 | 30 | 33 | 29 | 27 | 24 |
| 7 | 60 | 48 | 40 | 34 | 56 | 45 | 38 | 33 | 40 | 34 | 30 | 35 | 30 | 27 | 30 | 26 | 24 | 21 |
| 8 | 56 | 43 | 36 | 30 | 52 | 41 | 34 | 29 | 36 | 31 | 26 | 32 | 27 | 24 | 28 | 24 | 21 | 19 |
| 9 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 33 | 28 | 24 | 29 | 25 | 22 | 26 | 22 | 19 | 17 |
| 10 | 49 | 37 | 29 | 25 | 45 | 35 | 28 | 24 | 31 | 25 | 22 | 27 | 23 | 20 | 24 | 20 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 11326 | 11326 | 11326 |
| 5° | 11351 | 11212 | 11281 |
| 10° | 11280 | 11077 | 11077 |
| 15° | 11150 | 10845 | 10764 |
| 20° | 10972 | 10539 | 10345 |
| 25° | 10745 | 10180 | 9922 |
| 30° | 10523 | 9803 | 9392 |
| 35° | 10279 | 9411 | 8861 |
| 40° | 9985 | 8965 | 8286 |
| 45° | 9712 | 8524 | 7702 |
| 50° | 9403 | 8013 | 7082 |
| 55° | 9071 | 7484 | 6410 |
| 60° | 8707 | 6902 | 5724 |
| 65° | 8373 | 6178 | 5049 |
| 70° | 7886 | 5375 | 4286 |
| 75° | 7271 | 4457 | 3484 |
| 80° | 6341 | 3394 | 3199 |
| 85° | 5372 | 3084 | 2881 |



TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.8 | 2.3 |
| 10°-20° | 367.5 | 6.5 |
| 20°-30° | 530.6 | 9.4 |
| 30°-40° | 601.5 | 10.7 |
| 40°-50° | 580.8 | 10.3 |
| 50°-60° | 483.0 | 8.6 |
| 60°-70° | 333.5 | 5.9 |
| 70°-80° | 169.1 | 3.0 |
| 80°-90° | 45.6 | 0.8 |
| 90°-100° | 26.3 | 0.5 |
| 100°-110° | 168.0 | 3.0 |
| 110°-120° | 321.3 | 5.7 |
| 120°-130° | 407.9 | 7.3 |
| 130°-140° | 436.4 | 7.8 |
| 140°-150° | 408.1 | 7.3 |
| 150°-160° | 329.1 | 5.8 |
| 160°-170° | 212.2 | 3.8 |
| 170°-180° | 73.2 | 1.3 |
| 0°-30° | 1029.9 | 18.3 |
| 0°-40° | 1631.4 | 29.0 |
| 0°-60° | 2695.2 | 47.9 |
| 0°-90° | 3243.4 | 57.7 |
| 90°-120° | 515.6 | 9.2 |
| 90°-150° | 1767.9 | 31.4 |
| 90°-180° | 2382.0 | 42.3 |
| 0°-180° | 5625.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1403 | 1403 | 1403 | 1403 | 1403 | |
| 5° | 1401 | 1396 | 1384 | 1394 | 1392 | 133 |
| 15° | 1334 | 1324 | 1298 | 1295 | 1288 | 376 |
| 25° | 1206 | 1186 | 1143 | 1125 | 1114 | 556 |
| 35° | 1043 | 1008 | 955 | 919 | 899 | 651 |
| 45° | 851 | 810 | 747 | 696 | 675 | 656 |
| 55° | 644 | 600 | 532 | 478 | 455 | 576 |
| 65° | 438 | 391 | 323 | 279 | 264 | 433 |
| 75° | 233 | 193 | 143 | 119 | 112 | 246 |
| 85° | 58 | 38 | 33 | 31 | 31 | 65 |
| 90° | 2 | 8 | 13 | 16 | 17 | 4 |
| 95° | 32 | 13 | 13 | 16 | 17 | 41 |
| 105° | 173 | 177 | 180 | 183 | 164 | 181 |
| 115° | 324 | 325 | 325 | 326 | 326 | 318 |
| 125° | 455 | 457 | 456 | 458 | 459 | 406 |
| 135° | 564 | 564 | 566 | 567 | 569 | 435 |
| 145° | 651 | 653 | 653 | 653 | 654 | 407 |
| 155° | 714 | 714 | 713 | 715 | 713 | 329 |
| 165° | 753 | 750 | 750 | 754 | 749 | 213 |
| 175° | 770 | 767 | 767 | 772 | 766 | 73 |
| 180° | 770 | 770 | 770 | 770 | 770 | |



TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 |
| 2.5° | 1406.3 | 1405.5 | 1404.7 | 1404.0 | 1403.2 | 1401.8 | 1399.7 | 1397.7 | 1395.5 | 1393.4 | 1395.5 |
| 5° | 1400.7 | 1399.8 | 1398.8 | 1397.9 | 1396.8 | 1395.0 | 1392.1 | 1389.3 | 1386.3 | 1383.5 | 1385.9 |
| 7.5° | 1388.1 | 1387.0 | 1386.0 | 1385.0 | 1384.0 | 1381.7 | 1378.0 | 1374.2 | 1370.5 | 1366.8 | 1368.3 |
| 10° | 1376.0 | 1374.8 | 1373.6 | 1372.4 | 1371.2 | 1368.5 | 1364.2 | 1359.9 | 1355.6 | 1351.3 | 1352.2 |
| 12.5° | 1360.5 | 1359.2 | 1357.8 | 1356.3 | 1355.0 | 1351.8 | 1346.8 | 1341.6 | 1336.6 | 1331.5 | 1332.1 |
| 15° | 1334.1 | 1332.0 | 1329.8 | 1327.7 | 1325.5 | 1321.5 | 1315.5 | 1309.5 | 1303.5 | 1297.6 | 1297.1 |
| 17.5° | 1302.1 | 1299.0 | 1295.9 | 1292.8 | 1289.7 | 1284.5 | 1277.4 | 1270.2 | 1263.0 | 1255.9 | 1254.6 |
| 20° | 1277.2 | 1274.0 | 1271.0 | 1267.9 | 1264.8 | 1259.2 | 1251.0 | 1242.9 | 1234.8 | 1226.7 | 1224.8 |
| 22.5° | 1249.7 | 1246.2 | 1242.7 | 1239.2 | 1235.8 | 1229.6 | 1220.9 | 1212.2 | 1203.6 | 1194.9 | 1192.0 |
| 25° | 1206.3 | 1201.9 | 1197.7 | 1193.4 | 1189.1 | 1182.0 | 1172.3 | 1162.5 | 1152.7 | 1142.9 | 1138.8 |
| 27.5° | 1160.7 | 1155.4 | 1149.9 | 1144.6 | 1139.1 | 1131.3 | 1120.7 | 1110.3 | 1099.8 | 1089.4 | 1084.4 |
| 30° | 1128.9 | 1123.0 | 1117.0 | 1111.1 | 1105.1 | 1096.5 | 1085.3 | 1074.1 | 1062.8 | 1051.6 | 1045.6 |
| 32.5° | 1095.4 | 1088.7 | 1082.0 | 1075.2 | 1068.5 | 1059.3 | 1047.7 | 1036.1 | 1024.5 | 1012.9 | 1006.0 |
| 35° | 1043.0 | 1035.4 | 1027.7 | 1020.1 | 1012.5 | 1002.7 | 990.8 | 978.8 | 966.8 | 954.9 | 946.8 |
| 37.5° | 986.9 | 979.1 | 971.2 | 963.3 | 955.4 | 944.9 | 931.7 | 918.5 | 905.2 | 892.0 | 882.9 |
| 40° | 947.5 | 939.6 | 931.7 | 923.8 | 915.9 | 905.1 | 891.5 | 878.0 | 864.3 | 850.7 | 840.7 |
| 42.5° | 909.6 | 901.3 | 893.1 | 884.8 | 876.6 | 865.4 | 851.2 | 837.0 | 822.8 | 808.6 | 798.4 |
| 45° | 850.7 | 841.9 | 833.0 | 824.3 | 815.4 | 803.9 | 789.5 | 775.2 | 760.8 | 746.6 | 734.9 |
| 47.5° | 789.9 | 780.8 | 771.7 | 762.5 | 753.5 | 741.4 | 726.6 | 711.7 | 696.8 | 681.9 | 669.7 |
| 50° | 748.7 | 739.4 | 730.0 | 720.7 | 711.4 | 699.1 | 683.9 | 668.6 | 653.3 | 638.0 | 626.1 |
| 52.5° | 706.6 | 697.5 | 688.3 | 679.2 | 670.1 | 657.7 | 642.1 | 626.4 | 610.8 | 595.1 | 583.0 |
| 55° | 644.5 | 634.9 | 625.4 | 615.8 | 606.3 | 593.8 | 578.2 | 562.7 | 547.2 | 531.7 | 519.3 |
| 57.5° | 583.1 | 573.1 | 563.2 | 553.3 | 543.3 | 530.7 | 515.4 | 500.2 | 484.9 | 469.6 | 457.1 |
| 60° | 539.3 | 529.7 | 520.2 | 510.6 | 501.0 | 488.7 | 473.3 | 458.1 | 442.8 | 427.5 | 415.1 |
| 62.5° | 499.7 | 489.8 | 479.9 | 469.9 | 460.0 | 447.2 | 431.5 | 415.9 | 400.2 | 384.6 | 373.0 |
| 65° | 438.3 | 428.0 | 417.7 | 407.5 | 397.2 | 384.5 | 369.1 | 353.9 | 338.6 | 323.4 | 313.1 |
| 67.5° | 374.5 | 364.7 | 354.8 | 345.0 | 335.1 | 323.2 | 308.9 | 294.8 | 280.5 | 266.4 | 257.5 |
| 70° | 334.1 | 324.1 | 314.0 | 304.0 | 294.0 | 282.2 | 268.5 | 254.9 | 241.4 | 227.7 | 219.8 |
| 72.5° | 291.1 | 282.1 | 273.0 | 263.9 | 254.8 | 243.9 | 231.1 | 218.1 | 205.3 | 192.5 | 185.7 |
| 75° | 233.1 | 224.3 | 215.4 | 206.6 | 197.7 | 187.7 | 176.5 | 165.3 | 154.1 | 142.9 | 137.3 |
| 77.5° | 174.2 | 166.7 | 159.3 | 151.8 | 144.2 | 135.9 | 126.9 | 117.9 | 108.8 | 99.7 | 96.4 |
| 80° | 136.4 | 129.5 | 122.6 | 115.6 | 108.8 | 101.7 | 94.5 | 87.4 | 80.2 | 73.0 | 72.3 |
| 82.5° | 103.8 | 97.5 | 91.1 | 84.7 | 78.4 | 73.1 | 69.1 | 64.9 | 60.8 | 56.8 | 56.1 |
| 85° | 58.0 | 53.2 | 48.5 | 43.7 | 38.9 | 36.2 | 35.4 | 34.7 | 34.0 | 33.3 | 32.8 |
| 87.5° | 20.1 | 18.9 | 17.6 | 16.4 | 15.1 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 |
| 90° | 1.7 | 3.1 | 4.5 | 6.0 | 7.4 | 8.6 | 9.6 | 10.6 | 11.6 | 12.6 | 13.4 |
| 92.5° | 7.3 | 7.4 | 7.4 | 7.5 | 7.6 | 8.1 | 9.2 | 10.2 | 11.2 | 12.2 | 13.0 |
| 95° | 31.7 | 27.4 | 23.0 | 18.6 | 14.2 | 12.1 | 12.3 | 12.4 | 12.5 | 12.6 | 13.4 |
| 97.5° | 67.3 | 70.0 | 72.7 | 75.4 | 78.2 | 72.3 | 58.1 | 43.8 | 29.5 | 15.2 | 15.2 |
| 100° | 94.4 | 96.7 | 99.1 | 101.4 | 103.7 | 96.0 | 78.4 | 60.7 | 43.0 | 25.3 | 23.1 |
| 102.5° | 124.9 | 126.5 | 128.3 | 130.0 | 131.7 | 131.4 | 129.1 | 126.7 | 124.4 | 122.1 | 98.7 |
| 105° | 173.4 | 174.2 | 174.9 | 175.7 | 176.4 | 177.1 | 177.8 | 178.4 | 179.0 | 179.8 | 180.9 |
| 107.5° | 218.4 | 218.8 | 219.2 | 219.5 | 219.9 | 220.6 | 221.5 | 222.4 | 223.2 | 224.1 | 224.7 |
| 110° | 248.8 | 249.2 | 249.6 | 250.0 | 250.3 | 251.0 | 251.8 | 252.5 | 253.3 | 254.1 | 254.3 |



TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 278.3 | 279.0 | 279.7 | 280.4 | 281.1 | 281.7 | 282.0 | 282.4 | 282.8 | 283.1 | 283.1 |
| 115° | 323.8 | 324.2 | 324.5 | 324.9 | 325.3 | 325.4 | 325.3 | 325.2 | 325.0 | 324.9 | 325.2 |
| 117.5° | 364.7 | 365.2 | 365.7 | 366.2 | 366.7 | 367.1 | 367.4 | 367.7 | 367.9 | 368.2 | 368.2 |
| 120° | 392.3 | 392.8 | 393.3 | 393.8 | 394.4 | 394.6 | 394.5 | 394.3 | 394.2 | 394.0 | 394.3 |
| 122.5° | 418.1 | 418.4 | 418.7 | 419.0 | 419.3 | 419.6 | 419.8 | 419.9 | 420.1 | 420.3 | 420.4 |
| 125° | 455.0 | 455.6 | 456.2 | 456.7 | 457.2 | 457.3 | 457.0 | 456.8 | 456.5 | 456.3 | 456.7 |
| 127.5° | 490.1 | 490.2 | 490.4 | 490.5 | 490.6 | 491.0 | 491.6 | 492.1 | 492.7 | 493.3 | 493.2 |
| 130° | 512.7 | 512.8 | 512.9 | 513.1 | 513.2 | 513.4 | 513.8 | 514.2 | 514.6 | 515.0 | 515.1 |
| 132.5° | 533.4 | 533.6 | 533.9 | 534.1 | 534.3 | 534.7 | 535.2 | 535.6 | 536.1 | 536.6 | 536.7 |
| 135° | 564.5 | 564.4 | 564.3 | 564.1 | 564.0 | 564.2 | 564.7 | 565.2 | 565.7 | 566.2 | 566.5 |
| 137.5° | 592.1 | 592.1 | 592.2 | 592.2 | 592.3 | 592.6 | 593.1 | 593.7 | 594.3 | 594.8 | 595.1 |
| 140° | 610.1 | 610.3 | 610.6 | 610.8 | 611.1 | 611.3 | 611.6 | 611.9 | 612.1 | 612.4 | 612.7 |
| 142.5° | 626.2 | 626.6 | 627.1 | 627.5 | 628.0 | 628.3 | 628.4 | 628.6 | 628.7 | 628.9 | 629.2 |
| 145° | 651.0 | 651.4 | 651.7 | 652.1 | 652.5 | 652.7 | 652.7 | 652.7 | 652.7 | 652.7 | 652.8 |
| 147.5° | 670.7 | 671.4 | 672.1 | 672.8 | 673.5 | 673.8 | 673.7 | 673.6 | 673.4 | 673.3 | 673.4 |
| 150° | 684.9 | 685.4 | 686.0 | 686.5 | 687.0 | 687.2 | 687.0 | 686.9 | 686.8 | 686.6 | 686.6 |
| 152.5° | 696.9 | 697.3 | 697.7 | 698.1 | 698.5 | 698.6 | 698.4 | 698.2 | 697.9 | 697.7 | 697.9 |
| 155° | 713.8 | 713.9 | 714.0 | 714.1 | 714.3 | 714.1 | 713.8 | 713.4 | 713.0 | 712.6 | 713.1 |
| 157.5° | 727.9 | 727.8 | 727.7 | 727.7 | 727.6 | 727.3 | 726.9 | 726.5 | 726.0 | 725.6 | 726.3 |
| 160° | 736.2 | 735.8 | 735.4 | 735.1 | 734.7 | 734.4 | 734.3 | 734.2 | 734.0 | 733.9 | 734.7 |
| 162.5° | 743.6 | 743.1 | 742.6 | 742.1 | 741.6 | 741.3 | 741.1 | 741.0 | 740.9 | 740.8 | 741.5 |
| 165° | 752.9 | 752.2 | 751.6 | 750.9 | 750.3 | 750.0 | 750.0 | 750.0 | 750.0 | 750.0 | 751.0 |
| 167.5° | 760.2 | 759.6 | 758.9 | 758.3 | 757.6 | 757.2 | 757.2 | 757.1 | 757.0 | 756.9 | 758.1 |
| 170° | 764.5 | 763.7 | 762.9 | 762.1 | 761.3 | 761.0 | 761.1 | 761.2 | 761.4 | 761.5 | 762.5 |
| 172.5° | 767.2 | 766.4 | 765.7 | 764.9 | 764.2 | 763.8 | 764.0 | 764.1 | 764.2 | 764.3 | 765.4 |
| 175° | 770.2 | 769.4 | 768.6 | 767.9 | 767.1 | 766.8 | 766.9 | 767.1 | 767.2 | 767.3 | 768.4 |
| 177.5° | 771.5 | 770.8 | 770.1 | 769.4 | 768.7 | 768.4 | 768.6 | 768.8 | 769.0 | 769.2 | 770.1 |
| 180° | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 |



TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 | 1402.9 |
| 2.5° | 1397.7 | 1399.7 | 1401.8 | 1402.8 | 1402.6 | 1402.4 | 1402.2 | 1402.0 |
| 5° | 1388.3 | 1390.7 | 1393.1 | 1394.0 | 1393.5 | 1393.1 | 1392.6 | 1392.1 |
| 7.5° | 1369.8 | 1371.4 | 1372.9 | 1373.2 | 1372.5 | 1371.7 | 1371.0 | 1370.2 |
| 10° | 1353.2 | 1354.1 | 1355.1 | 1355.1 | 1354.1 | 1353.2 | 1352.2 | 1351.3 |
| 12.5° | 1332.7 | 1333.2 | 1333.8 | 1333.4 | 1332.1 | 1330.8 | 1329.4 | 1328.1 |
| 15° | 1296.7 | 1296.2 | 1295.7 | 1294.6 | 1292.9 | 1291.2 | 1289.6 | 1287.9 |
| 17.5° | 1253.2 | 1251.9 | 1250.5 | 1248.6 | 1246.1 | 1243.5 | 1241.0 | 1238.5 |
| 20° | 1222.8 | 1220.9 | 1219.0 | 1216.6 | 1213.5 | 1210.3 | 1207.2 | 1204.2 |
| 22.5° | 1189.2 | 1186.3 | 1183.5 | 1180.7 | 1178.2 | 1175.7 | 1173.2 | 1170.6 |
| 25° | 1134.8 | 1130.7 | 1126.7 | 1123.5 | 1121.1 | 1118.7 | 1116.3 | 1113.9 |
| 27.5° | 1079.3 | 1074.4 | 1069.3 | 1065.1 | 1061.7 | 1058.2 | 1054.8 | 1051.4 |
| 30° | 1039.7 | 1033.7 | 1027.7 | 1022.8 | 1019.1 | 1015.2 | 1011.4 | 1007.5 |
| 32.5° | 999.1 | 992.2 | 985.2 | 980.0 | 976.3 | 972.7 | 969.1 | 965.4 |
| 35° | 938.7 | 930.6 | 922.5 | 916.3 | 912.0 | 907.7 | 903.3 | 899.1 |
| 37.5° | 873.8 | 864.7 | 855.7 | 849.0 | 844.8 | 840.4 | 836.2 | 831.8 |
| 40° | 830.7 | 820.6 | 810.6 | 803.4 | 799.2 | 794.9 | 790.6 | 786.3 |
| 42.5° | 788.2 | 778.0 | 767.8 | 760.4 | 755.9 | 751.4 | 747.0 | 742.5 |
| 45° | 723.2 | 711.4 | 699.7 | 691.8 | 687.4 | 683.2 | 678.8 | 674.6 |
| 47.5° | 657.6 | 645.5 | 633.4 | 624.9 | 620.3 | 615.5 | 610.8 | 606.0 |
| 50° | 614.2 | 602.3 | 590.3 | 582.1 | 577.5 | 573.0 | 568.5 | 563.9 |
| 52.5° | 570.9 | 558.8 | 546.5 | 538.2 | 533.4 | 528.7 | 524.0 | 519.3 |
| 55° | 506.9 | 494.4 | 482.1 | 473.6 | 469.1 | 464.5 | 460.0 | 455.4 |
| 57.5° | 444.4 | 431.8 | 419.2 | 411.2 | 407.8 | 404.3 | 400.9 | 397.5 |
| 60° | 402.7 | 390.3 | 377.9 | 369.7 | 366.0 | 362.1 | 358.3 | 354.5 |
| 62.5° | 361.6 | 350.2 | 338.7 | 331.4 | 328.4 | 325.4 | 322.2 | 319.2 |
| 65° | 302.8 | 292.6 | 282.3 | 275.7 | 272.9 | 269.9 | 267.1 | 264.3 |
| 67.5° | 248.7 | 239.9 | 231.1 | 225.1 | 222.0 | 218.7 | 215.6 | 212.5 |
| 70° | 212.0 | 204.1 | 196.2 | 191.1 | 188.7 | 186.3 | 183.9 | 181.6 |
| 72.5° | 179.0 | 172.3 | 165.5 | 161.1 | 159.0 | 156.7 | 154.5 | 152.3 |
| 75° | 131.9 | 126.4 | 120.9 | 117.4 | 116.0 | 114.6 | 113.1 | 111.7 |
| 77.5° | 93.3 | 90.1 | 86.8 | 85.0 | 84.6 | 84.2 | 83.8 | 83.3 |
| 80° | 71.6 | 70.9 | 70.2 | 69.7 | 69.5 | 69.2 | 69.0 | 68.8 |
| 82.5° | 55.6 | 55.1 | 54.6 | 54.2 | 54.0 | 53.7 | 53.5 | 53.3 |
| 85° | 32.3 | 31.9 | 31.4 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 87.5° | 14.4 | 14.4 | 14.4 | 14.5 | 14.7 | 15.0 | 15.2 | 15.5 |
| 90° | 14.2 | 14.9 | 15.8 | 16.3 | 16.6 | 16.8 | 17.1 | 17.3 |
| 92.5° | 13.7 | 14.5 | 15.2 | 15.7 | 15.8 | 15.8 | 15.9 | 15.9 |
| 95° | 14.2 | 14.9 | 15.8 | 16.2 | 16.4 | 16.5 | 16.6 | 16.7 |
| 97.5° | 15.3 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 16.0 | 16.2 |
| 100° | 21.0 | 18.8 | 16.7 | 15.7 | 15.8 | 15.9 | 16.0 | 16.2 |
| 102.5° | 75.1 | 51.7 | 28.2 | 16.5 | 16.6 | 16.6 | 16.6 | 16.6 |
| 105° | 182.1 | 183.2 | 184.3 | 182.6 | 178.0 | 173.4 | 168.7 | 164.2 |
| 107.5° | 225.2 | 225.8 | 226.3 | 226.8 | 227.3 | 227.8 | 228.3 | 228.8 |
| 110° | 254.6 | 254.8 | 255.1 | 255.4 | 255.8 | 256.1 | 256.5 | 256.9 |



TEST NUMBER: P332934-840

CATALOG NUMBER: S124RDIP-S795D590U840-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 283.0 | 283.0 | 282.9 | 283.1 | 283.6 | 284.1 | 284.6 | 285.0 |
| 115° | 325.4 | 325.7 | 325.9 | 326.1 | 326.1 | 326.1 | 326.1 | 326.1 |
| 117.5° | 368.1 | 368.1 | 368.0 | 368.0 | 367.9 | 367.9 | 367.8 | 367.8 |
| 120° | 394.6 | 394.8 | 395.1 | 395.1 | 394.8 | 394.6 | 394.3 | 394.0 |
| 122.5° | 420.6 | 420.7 | 420.9 | 420.8 | 420.6 | 420.3 | 420.1 | 419.8 |
| 125° | 457.0 | 457.4 | 457.8 | 458.1 | 458.2 | 458.3 | 458.4 | 458.6 |
| 127.5° | 493.2 | 493.1 | 493.0 | 492.9 | 492.8 | 492.7 | 492.6 | 492.5 |
| 130° | 515.2 | 515.3 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 |
| 132.5° | 536.9 | 537.0 | 537.1 | 537.1 | 537.0 | 536.9 | 536.8 | 536.7 |
| 135° | 566.7 | 567.0 | 567.2 | 567.5 | 567.7 | 568.0 | 568.4 | 568.6 |
| 137.5° | 595.4 | 595.7 | 595.9 | 596.0 | 596.0 | 595.9 | 595.8 | 595.7 |
| 140° | 613.1 | 613.5 | 613.9 | 614.1 | 614.3 | 614.4 | 614.5 | 614.6 |
| 142.5° | 629.4 | 629.8 | 630.1 | 630.3 | 630.3 | 630.3 | 630.3 | 630.4 |
| 145° | 652.9 | 653.1 | 653.2 | 653.4 | 653.6 | 653.9 | 654.2 | 654.4 |
| 147.5° | 673.5 | 673.6 | 673.7 | 673.8 | 674.0 | 674.1 | 674.2 | 674.3 |
| 150° | 686.6 | 686.6 | 686.6 | 686.7 | 686.8 | 687.0 | 687.1 | 687.2 |
| 152.5° | 698.1 | 698.3 | 698.5 | 698.6 | 698.5 | 698.4 | 698.3 | 698.3 |
| 155° | 713.6 | 714.1 | 714.6 | 714.7 | 714.3 | 713.9 | 713.6 | 713.2 |
| 157.5° | 726.9 | 727.6 | 728.2 | 728.2 | 727.6 | 726.9 | 726.3 | 725.6 |
| 160° | 735.4 | 736.2 | 737.0 | 737.0 | 736.2 | 735.4 | 734.7 | 733.9 |
| 162.5° | 742.4 | 743.1 | 743.9 | 743.9 | 743.0 | 742.0 | 741.2 | 740.3 |
| 165° | 752.0 | 753.1 | 754.2 | 754.1 | 752.9 | 751.7 | 750.6 | 749.4 |
| 167.5° | 759.2 | 760.3 | 761.4 | 761.3 | 760.1 | 758.8 | 757.5 | 756.3 |
| 170° | 763.6 | 764.6 | 765.7 | 765.5 | 764.3 | 763.0 | 761.6 | 760.4 |
| 172.5° | 766.4 | 767.4 | 768.4 | 768.2 | 766.9 | 765.5 | 764.1 | 762.7 |
| 175° | 769.6 | 770.7 | 771.9 | 771.7 | 770.2 | 768.6 | 767.1 | 765.6 |
| 177.5° | 770.9 | 771.7 | 772.5 | 772.3 | 771.1 | 769.9 | 768.6 | 767.4 |
| 180° | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 | 770.2 |

(END OF REPORT)