

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: P332604-940

Luminaire Tested: **S124DIP-S795D810U940-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332604-940
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: S124DIP-S795D810U940-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5923.8 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

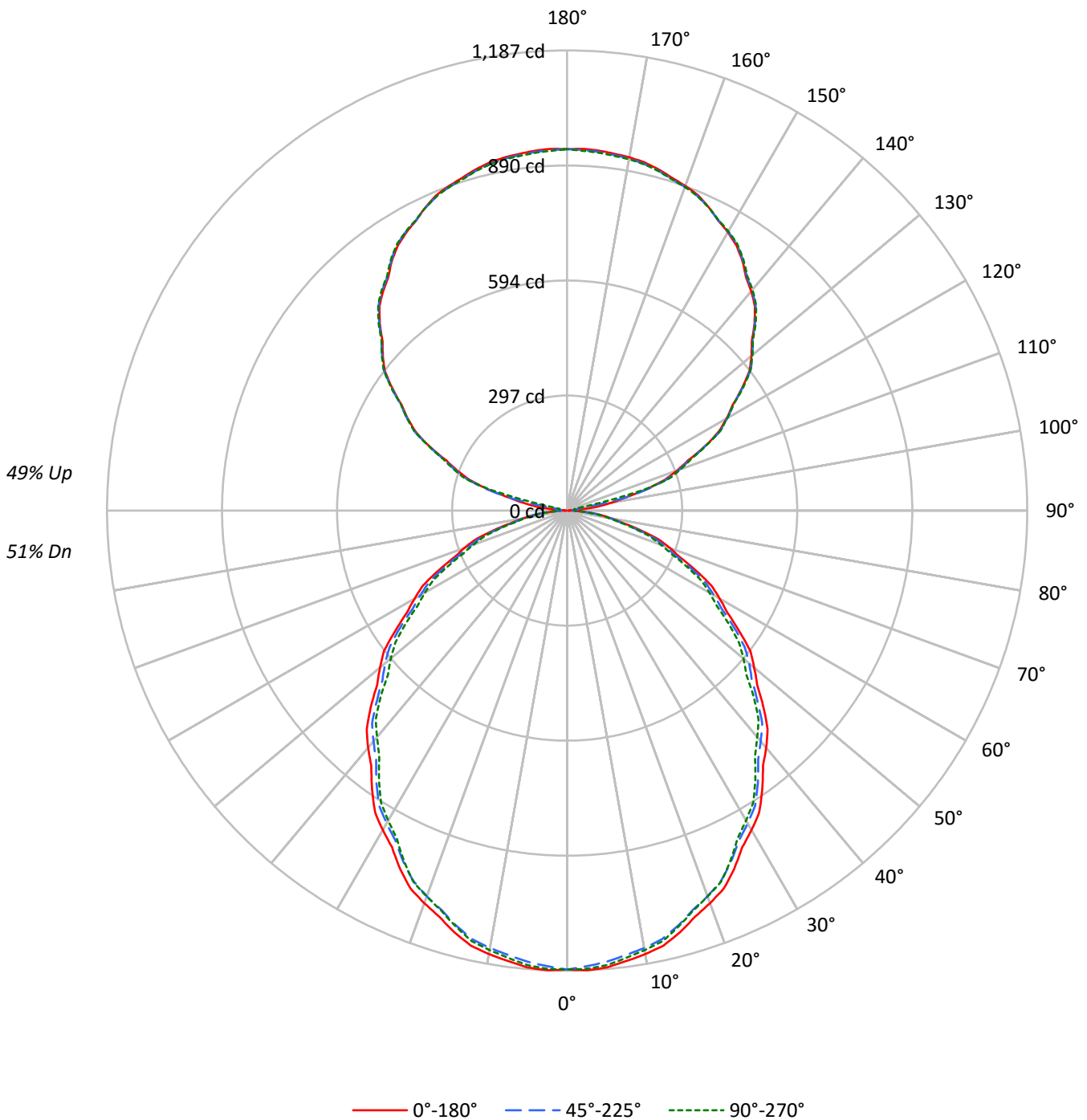
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | | 70 | 70 | 70 | | 57 | 57 | 57 | 51 |
| 1 | 98 | 94 | 90 | 86 | 90 | 87 | 83 | 80 | 74 | 71 | 69 | | 62 | 60 | 58 | | 51 | 49 | 48 | 43 |
| 2 | 89 | 82 | 76 | 70 | 82 | 76 | 70 | 66 | 65 | 61 | 57 | | 54 | 51 | 49 | | 45 | 42 | 41 | 36 |
| 3 | 81 | 72 | 65 | 59 | 75 | 67 | 60 | 55 | 57 | 52 | 48 | | 48 | 44 | 41 | | 39 | 37 | 35 | 31 |
| 4 | 74 | 64 | 56 | 50 | 69 | 59 | 52 | 47 | 51 | 45 | 41 | | 43 | 39 | 35 | | 35 | 32 | 30 | 26 |
| 5 | 68 | 57 | 49 | 43 | 63 | 53 | 45 | 40 | 45 | 40 | 35 | | 38 | 34 | 31 | | 32 | 29 | 26 | 23 |
| 6 | 63 | 51 | 43 | 37 | 58 | 47 | 40 | 35 | 41 | 35 | 31 | | 35 | 30 | 27 | | 29 | 25 | 23 | 20 |
| 7 | 58 | 46 | 38 | 32 | 54 | 43 | 36 | 31 | 37 | 31 | 27 | | 31 | 27 | 24 | | 26 | 23 | 20 | 18 |
| 8 | 54 | 42 | 34 | 29 | 50 | 39 | 32 | 27 | 34 | 28 | 24 | | 29 | 24 | 21 | | 24 | 21 | 18 | 16 |
| 9 | 50 | 38 | 31 | 25 | 46 | 36 | 29 | 24 | 31 | 25 | 22 | | 27 | 22 | 19 | | 22 | 19 | 16 | 14 |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 19 | | 24 | 20 | 17 | | 21 | 17 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 9556 | 9556 | 9556 |
| 5° | 9585 | 9469 | 9539 |
| 10° | 9525 | 9393 | 9439 |
| 15° | 9410 | 9260 | 9283 |
| 20° | 9257 | 9094 | 9101 |
| 25° | 9082 | 8905 | 8879 |
| 30° | 8869 | 8682 | 8603 |
| 35° | 8647 | 8451 | 8339 |
| 40° | 8416 | 8186 | 8037 |
| 45° | 8176 | 7927 | 7775 |
| 50° | 7910 | 7695 | 7458 |
| 55° | 7623 | 7396 | 7156 |
| 60° | 7335 | 7061 | 6846 |
| 65° | 7011 | 6739 | 6468 |
| 70° | 6649 | 6314 | 6069 |
| 75° | 6095 | 5798 | 5652 |
| 80° | 5421 | 5202 | 5072 |
| 85° | 4742 | 4566 | 4474 |



TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.5 | 1.9 |
| 10°-20° | 314.1 | 5.3 |
| 20°-30° | 462.3 | 7.8 |
| 30°-40° | 537.4 | 9.1 |
| 40°-50° | 537.5 | 9.1 |
| 50°-60° | 470.1 | 7.9 |
| 60°-70° | 349.1 | 5.9 |
| 70°-80° | 198.4 | 3.3 |
| 80°-90° | 59.9 | 1.0 |
| 90°-100° | 31.9 | 0.5 |
| 100°-110° | 203.3 | 3.4 |
| 110°-120° | 388.9 | 6.6 |
| 120°-130° | 493.7 | 8.3 |
| 130°-140° | 528.2 | 8.9 |
| 140°-150° | 493.9 | 8.3 |
| 150°-160° | 398.3 | 6.7 |
| 160°-170° | 256.9 | 4.3 |
| 170°-180° | 88.5 | 1.5 |
| 0°-30° | 887.8 | 15.0 |
| 0°-40° | 1425.3 | 24.1 |
| 0°-60° | 2432.8 | 41.1 |
| 0°-90° | 3040.3 | 51.3 |
| 90°-120° | 624.1 | 10.5 |
| 90°-150° | 2139.8 | 36.1 |
| 90°-180° | 2884.0 | 48.7 |
| 0°-180° | 5923.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1184 | 1184 | 1184 | 1184 | 1184 | |
| 5° | 1183 | 1179 | 1168 | 1178 | 1177 | 112 |
| 15° | 1126 | 1122 | 1108 | 1113 | 1111 | 317 |
| 25° | 1020 | 1013 | 1000 | 1000 | 997 | 469 |
| 35° | 877 | 870 | 858 | 851 | 846 | 548 |
| 45° | 716 | 709 | 694 | 684 | 681 | 552 |
| 55° | 542 | 538 | 526 | 514 | 508 | 485 |
| 65° | 367 | 362 | 353 | 344 | 339 | 363 |
| 75° | 195 | 191 | 186 | 182 | 181 | 208 |
| 85° | 51 | 51 | 49 | 49 | 48 | 56 |
| 90° | 2 | 10 | 15 | 19 | 21 | 5 |
| 95° | 38 | 16 | 15 | 19 | 20 | 49 |
| 105° | 210 | 214 | 218 | 222 | 199 | 220 |
| 115° | 392 | 394 | 393 | 395 | 395 | 385 |
| 125° | 551 | 553 | 552 | 554 | 555 | 492 |
| 135° | 683 | 683 | 685 | 687 | 688 | 526 |
| 145° | 788 | 790 | 790 | 791 | 792 | 492 |
| 155° | 864 | 864 | 862 | 865 | 863 | 398 |
| 165° | 911 | 908 | 908 | 913 | 907 | 257 |
| 175° | 932 | 928 | 929 | 934 | 927 | 89 |
| 180° | 932 | 932 | 932 | 932 | 932 | |



TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 |
| 2.5° | 1186.8 | 1186.2 | 1185.7 | 1185.3 | 1184.7 | 1183.6 | 1181.7 | 1179.8 | 1177.9 | 1176.2 | 1177.8 |
| 5° | 1182.8 | 1182.0 | 1181.1 | 1180.3 | 1179.4 | 1177.8 | 1175.5 | 1173.1 | 1170.8 | 1168.5 | 1170.8 |
| 7.5° | 1171.8 | 1170.9 | 1170.1 | 1169.2 | 1168.4 | 1166.7 | 1164.1 | 1161.5 | 1159.0 | 1156.4 | 1158.2 |
| 10° | 1161.9 | 1161.1 | 1160.2 | 1159.4 | 1158.5 | 1156.7 | 1154.0 | 1151.3 | 1148.5 | 1145.8 | 1147.5 |
| 12.5° | 1149.0 | 1148.2 | 1147.3 | 1146.5 | 1145.7 | 1143.7 | 1140.9 | 1137.9 | 1135.1 | 1132.1 | 1134.0 |
| 15° | 1125.9 | 1125.0 | 1124.2 | 1123.3 | 1122.5 | 1120.5 | 1117.3 | 1114.2 | 1111.0 | 1107.9 | 1109.1 |
| 17.5° | 1098.0 | 1096.9 | 1095.8 | 1094.8 | 1093.8 | 1091.7 | 1088.8 | 1085.7 | 1082.7 | 1079.8 | 1080.6 |
| 20° | 1077.5 | 1076.4 | 1075.4 | 1074.3 | 1073.3 | 1071.1 | 1068.0 | 1064.8 | 1061.7 | 1058.5 | 1059.2 |
| 22.5° | 1055.5 | 1054.1 | 1052.7 | 1051.3 | 1049.9 | 1047.7 | 1044.5 | 1041.3 | 1038.1 | 1035.0 | 1036.2 |
| 25° | 1019.6 | 1018.2 | 1016.6 | 1015.2 | 1013.7 | 1011.5 | 1008.5 | 1005.6 | 1002.6 | 999.7 | 999.9 |
| 27.5° | 978.7 | 977.1 | 975.6 | 974.1 | 972.6 | 970.4 | 967.7 | 965.0 | 962.2 | 959.5 | 958.9 |
| 30° | 951.4 | 949.7 | 948.0 | 946.3 | 944.6 | 942.4 | 939.6 | 936.9 | 934.2 | 931.4 | 930.6 |
| 32.5° | 922.5 | 921.0 | 919.4 | 917.9 | 916.4 | 914.2 | 911.3 | 908.4 | 905.5 | 902.6 | 901.6 |
| 35° | 877.4 | 875.8 | 874.4 | 872.9 | 871.5 | 869.2 | 866.3 | 863.4 | 860.4 | 857.5 | 856.0 |
| 37.5° | 829.7 | 828.4 | 827.1 | 825.7 | 824.3 | 822.1 | 818.9 | 815.7 | 812.6 | 809.4 | 807.8 |
| 40° | 798.6 | 796.9 | 795.2 | 793.5 | 791.8 | 789.4 | 786.3 | 783.1 | 780.0 | 776.8 | 774.7 |
| 42.5° | 765.3 | 764.2 | 763.2 | 762.2 | 761.2 | 758.9 | 755.5 | 752.0 | 748.4 | 744.9 | 742.5 |
| 45° | 716.1 | 714.6 | 713.2 | 711.7 | 710.2 | 707.8 | 704.5 | 701.1 | 697.7 | 694.3 | 692.0 |
| 47.5° | 664.7 | 663.7 | 662.7 | 661.6 | 660.7 | 658.6 | 655.5 | 652.4 | 649.3 | 646.1 | 643.5 |
| 50° | 629.8 | 628.9 | 628.1 | 627.2 | 626.4 | 624.6 | 621.6 | 618.7 | 615.6 | 612.7 | 609.8 |
| 52.5° | 595.7 | 594.7 | 593.6 | 592.6 | 591.6 | 589.5 | 586.4 | 583.3 | 580.1 | 577.0 | 574.4 |
| 55° | 541.6 | 540.9 | 540.3 | 539.7 | 539.0 | 537.3 | 534.3 | 531.4 | 528.4 | 525.5 | 522.9 |
| 57.5° | 490.0 | 489.3 | 488.6 | 487.9 | 487.1 | 485.3 | 482.4 | 479.5 | 476.6 | 473.7 | 471.3 |
| 60° | 454.3 | 453.3 | 452.2 | 451.2 | 450.1 | 448.2 | 445.5 | 442.7 | 440.0 | 437.3 | 435.3 |
| 62.5° | 419.5 | 418.6 | 417.7 | 416.8 | 415.9 | 414.0 | 411.1 | 408.1 | 405.3 | 402.3 | 400.6 |
| 65° | 367.0 | 366.0 | 365.0 | 363.9 | 362.8 | 361.2 | 359.2 | 357.0 | 354.9 | 352.8 | 350.7 |
| 67.5° | 314.3 | 313.3 | 312.4 | 311.4 | 310.5 | 309.0 | 306.9 | 304.9 | 302.9 | 300.9 | 298.8 |
| 70° | 281.7 | 280.3 | 278.7 | 277.2 | 275.8 | 274.2 | 272.5 | 270.8 | 269.1 | 267.5 | 265.8 |
| 72.5° | 246.8 | 245.3 | 243.9 | 242.4 | 240.9 | 239.5 | 238.2 | 236.7 | 235.4 | 234.1 | 232.7 |
| 75° | 195.4 | 194.3 | 193.3 | 192.3 | 191.2 | 190.1 | 189.0 | 188.0 | 187.0 | 185.9 | 185.0 |
| 77.5° | 146.2 | 145.8 | 145.3 | 144.9 | 144.4 | 143.7 | 142.8 | 141.9 | 140.9 | 140.0 | 139.7 |
| 80° | 116.6 | 116.0 | 115.4 | 114.8 | 114.1 | 113.6 | 113.2 | 112.8 | 112.4 | 111.9 | 111.5 |
| 82.5° | 87.8 | 87.6 | 87.2 | 86.9 | 86.7 | 86.5 | 86.4 | 86.3 | 86.2 | 86.1 | 85.9 |
| 85° | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.0 | 50.6 | 50.2 | 49.8 | 49.3 | 49.3 |
| 87.5° | 20.2 | 20.3 | 20.5 | 20.7 | 20.9 | 21.0 | 21.0 | 21.1 | 21.2 | 21.3 | 21.5 |
| 90° | 2.1 | 3.8 | 5.5 | 7.2 | 8.9 | 10.3 | 11.6 | 12.8 | 14.1 | 15.3 | 16.2 |
| 92.5° | 8.8 | 8.9 | 9.0 | 9.1 | 9.2 | 9.8 | 11.1 | 12.3 | 13.6 | 14.8 | 15.7 |
| 95° | 38.3 | 33.1 | 27.8 | 22.6 | 17.3 | 14.7 | 14.9 | 15.1 | 15.2 | 15.3 | 16.2 |
| 97.5° | 81.4 | 84.7 | 88.0 | 91.3 | 94.6 | 87.6 | 70.3 | 53.0 | 35.7 | 18.4 | 18.5 |
| 100° | 114.3 | 117.2 | 119.9 | 122.7 | 125.5 | 116.2 | 94.8 | 73.5 | 52.1 | 30.7 | 28.0 |
| 102.5° | 151.1 | 153.2 | 155.2 | 157.3 | 159.3 | 159.0 | 156.1 | 153.4 | 150.6 | 147.8 | 119.4 |
| 105° | 209.8 | 210.8 | 211.7 | 212.7 | 213.6 | 214.5 | 215.2 | 216.0 | 216.8 | 217.5 | 218.9 |
| 107.5° | 264.4 | 264.8 | 265.3 | 265.8 | 266.3 | 267.0 | 268.0 | 269.1 | 270.2 | 271.3 | 271.9 |
| 110° | 301.2 | 301.7 | 302.1 | 302.6 | 303.1 | 303.7 | 304.7 | 305.6 | 306.6 | 307.5 | 307.8 |



TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 336.9 | 337.7 | 338.6 | 339.4 | 340.3 | 340.9 | 341.3 | 341.7 | 342.1 | 342.6 | 342.6 |
| 115° | 391.8 | 392.3 | 392.8 | 393.2 | 393.7 | 393.9 | 393.7 | 393.5 | 393.4 | 393.2 | 393.5 |
| 117.5° | 441.3 | 441.9 | 442.6 | 443.2 | 443.8 | 444.3 | 444.6 | 445.0 | 445.3 | 445.7 | 445.6 |
| 120° | 474.8 | 475.5 | 476.1 | 476.7 | 477.2 | 477.5 | 477.3 | 477.2 | 477.1 | 476.9 | 477.2 |
| 122.5° | 506.0 | 506.4 | 506.8 | 507.1 | 507.6 | 507.8 | 508.0 | 508.3 | 508.5 | 508.7 | 508.9 |
| 125° | 550.8 | 551.4 | 552.1 | 552.7 | 553.3 | 553.4 | 553.1 | 552.9 | 552.5 | 552.2 | 552.7 |
| 127.5° | 593.2 | 593.3 | 593.5 | 593.7 | 593.8 | 594.2 | 594.9 | 595.7 | 596.4 | 597.1 | 597.0 |
| 130° | 620.5 | 620.7 | 620.8 | 621.0 | 621.2 | 621.4 | 621.9 | 622.4 | 622.9 | 623.3 | 623.5 |
| 132.5° | 645.6 | 645.9 | 646.2 | 646.5 | 646.8 | 647.2 | 647.7 | 648.4 | 648.9 | 649.5 | 649.7 |
| 135° | 683.3 | 683.1 | 683.0 | 682.8 | 682.7 | 682.9 | 683.5 | 684.1 | 684.7 | 685.4 | 685.6 |
| 137.5° | 716.6 | 716.7 | 716.8 | 716.8 | 716.8 | 717.2 | 717.9 | 718.6 | 719.3 | 720.0 | 720.3 |
| 140° | 738.3 | 738.7 | 739.0 | 739.3 | 739.6 | 739.9 | 740.2 | 740.6 | 740.8 | 741.1 | 741.6 |
| 142.5° | 757.9 | 758.4 | 759.0 | 759.6 | 760.1 | 760.5 | 760.6 | 760.9 | 761.1 | 761.3 | 761.6 |
| 145° | 787.8 | 788.4 | 788.8 | 789.3 | 789.7 | 790.0 | 790.0 | 790.0 | 790.0 | 790.0 | 790.1 |
| 147.5° | 811.7 | 812.6 | 813.4 | 814.3 | 815.2 | 815.6 | 815.4 | 815.2 | 815.0 | 814.9 | 815.0 |
| 150° | 829.0 | 829.6 | 830.3 | 830.9 | 831.4 | 831.7 | 831.5 | 831.4 | 831.3 | 831.1 | 831.1 |
| 152.5° | 843.5 | 844.0 | 844.5 | 845.0 | 845.5 | 845.6 | 845.3 | 845.1 | 844.7 | 844.5 | 844.7 |
| 155° | 863.9 | 864.0 | 864.2 | 864.3 | 864.5 | 864.3 | 863.9 | 863.4 | 862.9 | 862.5 | 863.1 |
| 157.5° | 881.0 | 880.9 | 880.8 | 880.7 | 880.7 | 880.3 | 879.8 | 879.3 | 878.8 | 878.2 | 879.0 |
| 160° | 891.1 | 890.6 | 890.1 | 889.7 | 889.2 | 888.9 | 888.8 | 888.6 | 888.4 | 888.2 | 889.2 |
| 162.5° | 900.0 | 899.4 | 898.8 | 898.2 | 897.6 | 897.2 | 897.1 | 897.0 | 896.8 | 896.6 | 897.6 |
| 165° | 911.2 | 910.5 | 909.7 | 908.9 | 908.2 | 907.8 | 907.8 | 907.8 | 907.8 | 907.8 | 909.0 |
| 167.5° | 920.2 | 919.4 | 918.6 | 917.7 | 916.9 | 916.5 | 916.4 | 916.3 | 916.2 | 916.1 | 917.5 |
| 170° | 925.2 | 924.3 | 923.4 | 922.4 | 921.5 | 921.1 | 921.2 | 921.4 | 921.6 | 921.8 | 922.9 |
| 172.5° | 928.5 | 927.6 | 926.7 | 925.8 | 924.9 | 924.4 | 924.6 | 924.8 | 924.9 | 925.1 | 926.3 |
| 175° | 932.2 | 931.2 | 930.3 | 929.4 | 928.4 | 928.1 | 928.3 | 928.4 | 928.5 | 928.7 | 930.1 |
| 177.5° | 933.9 | 933.0 | 932.1 | 931.2 | 930.4 | 930.1 | 930.3 | 930.6 | 930.9 | 931.0 | 932.0 |
| 180° | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 |



TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 | 1183.7 |
| 2.5° | 1179.5 | 1181.2 | 1182.9 | 1183.7 | 1183.5 | 1183.3 | 1183.1 | 1182.9 |
| 5° | 1173.1 | 1175.5 | 1177.8 | 1178.8 | 1178.3 | 1177.9 | 1177.5 | 1177.1 |
| 7.5° | 1160.1 | 1162.0 | 1163.8 | 1164.6 | 1164.4 | 1164.1 | 1163.9 | 1163.6 |
| 10° | 1149.1 | 1150.8 | 1152.5 | 1153.2 | 1152.7 | 1152.3 | 1151.9 | 1151.5 |
| 12.5° | 1135.9 | 1137.6 | 1139.5 | 1140.1 | 1139.6 | 1139.0 | 1138.4 | 1137.8 |
| 15° | 1110.4 | 1111.6 | 1112.9 | 1113.2 | 1112.6 | 1112.0 | 1111.3 | 1110.7 |
| 17.5° | 1081.4 | 1082.2 | 1083.0 | 1083.2 | 1082.7 | 1082.3 | 1081.9 | 1081.5 |
| 20° | 1059.8 | 1060.4 | 1061.0 | 1061.1 | 1060.7 | 1060.3 | 1059.9 | 1059.4 |
| 22.5° | 1037.2 | 1038.4 | 1039.6 | 1039.7 | 1038.9 | 1038.2 | 1037.4 | 1036.7 |
| 25° | 1000.1 | 1000.3 | 1000.6 | 1000.2 | 999.4 | 998.5 | 997.7 | 996.8 |
| 27.5° | 958.5 | 958.0 | 957.4 | 956.7 | 955.6 | 954.6 | 953.5 | 952.4 |
| 30° | 929.7 | 928.9 | 928.0 | 927.1 | 926.0 | 925.0 | 923.9 | 922.9 |
| 32.5° | 900.5 | 899.6 | 898.6 | 897.5 | 896.4 | 895.4 | 894.3 | 893.3 |
| 35° | 854.5 | 853.0 | 851.5 | 850.2 | 849.2 | 848.2 | 847.1 | 846.1 |
| 37.5° | 806.2 | 804.6 | 803.1 | 801.6 | 800.1 | 798.8 | 797.4 | 795.9 |
| 40° | 772.6 | 770.5 | 768.4 | 766.8 | 765.7 | 764.7 | 763.7 | 762.6 |
| 42.5° | 740.0 | 737.6 | 735.1 | 733.6 | 732.9 | 732.2 | 731.5 | 730.8 |
| 45° | 689.6 | 687.3 | 685.0 | 683.6 | 682.9 | 682.2 | 681.6 | 681.0 |
| 47.5° | 640.9 | 638.3 | 635.6 | 633.6 | 632.0 | 630.4 | 628.7 | 627.1 |
| 50° | 606.8 | 603.9 | 600.9 | 598.8 | 597.5 | 596.3 | 595.0 | 593.8 |
| 52.5° | 571.9 | 569.2 | 566.6 | 564.5 | 562.9 | 561.3 | 559.7 | 558.1 |
| 55° | 520.4 | 517.9 | 515.3 | 513.4 | 512.2 | 511.0 | 509.6 | 508.4 |
| 57.5° | 468.9 | 466.5 | 464.0 | 462.3 | 461.0 | 459.8 | 458.6 | 457.4 |
| 60° | 433.5 | 431.6 | 429.6 | 428.2 | 427.1 | 426.1 | 425.0 | 424.0 |
| 62.5° | 398.9 | 397.2 | 395.5 | 394.0 | 393.0 | 391.9 | 390.9 | 389.9 |
| 65° | 348.7 | 346.5 | 344.4 | 342.9 | 341.8 | 340.7 | 339.7 | 338.6 |
| 67.5° | 296.9 | 294.8 | 292.7 | 291.6 | 291.3 | 291.1 | 290.7 | 290.4 |
| 70° | 264.1 | 262.4 | 260.7 | 259.6 | 259.0 | 258.3 | 257.7 | 257.1 |
| 72.5° | 231.4 | 230.1 | 228.7 | 227.7 | 227.0 | 226.4 | 225.8 | 225.2 |
| 75° | 184.2 | 183.3 | 182.5 | 182.0 | 181.8 | 181.6 | 181.4 | 181.2 |
| 77.5° | 139.5 | 139.2 | 139.0 | 138.6 | 138.0 | 137.5 | 137.0 | 136.4 |
| 80° | 111.1 | 110.7 | 110.2 | 109.9 | 109.7 | 109.5 | 109.3 | 109.1 |
| 82.5° | 85.6 | 85.3 | 85.1 | 84.9 | 84.7 | 84.4 | 84.3 | 84.0 |
| 85° | 49.3 | 49.3 | 49.3 | 49.2 | 49.0 | 48.8 | 48.6 | 48.3 |
| 87.5° | 21.7 | 21.8 | 22.0 | 22.1 | 22.2 | 22.3 | 22.3 | 22.4 |
| 90° | 17.2 | 18.1 | 19.1 | 19.7 | 20.0 | 20.3 | 20.6 | 21.0 |
| 92.5° | 16.7 | 17.6 | 18.5 | 19.0 | 19.1 | 19.1 | 19.2 | 19.3 |
| 95° | 17.2 | 18.1 | 19.1 | 19.6 | 19.8 | 19.9 | 20.1 | 20.2 |
| 97.5° | 18.6 | 18.7 | 18.8 | 18.9 | 19.1 | 19.2 | 19.4 | 19.5 |
| 100° | 25.4 | 22.7 | 20.2 | 18.9 | 19.1 | 19.2 | 19.4 | 19.5 |
| 102.5° | 91.0 | 62.6 | 34.2 | 20.0 | 20.0 | 20.0 | 20.1 | 20.1 |
| 105° | 220.3 | 221.7 | 223.1 | 221.1 | 215.4 | 209.8 | 204.3 | 198.7 |
| 107.5° | 272.6 | 273.2 | 273.9 | 274.6 | 275.2 | 275.7 | 276.3 | 277.0 |
| 110° | 308.1 | 308.4 | 308.7 | 309.1 | 309.6 | 310.0 | 310.5 | 310.9 |



TEST NUMBER: P332604-940

CATALOG NUMBER: S124DIP-S795D810U940-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 342.5 | 342.4 | 342.3 | 342.6 | 343.2 | 343.8 | 344.4 | 345.0 |
| 115° | 393.9 | 394.1 | 394.5 | 394.7 | 394.7 | 394.7 | 394.7 | 394.7 |
| 117.5° | 445.5 | 445.5 | 445.4 | 445.3 | 445.3 | 445.2 | 445.1 | 445.1 |
| 120° | 477.5 | 477.9 | 478.1 | 478.1 | 477.9 | 477.5 | 477.2 | 476.9 |
| 122.5° | 509.1 | 509.3 | 509.4 | 509.3 | 509.1 | 508.7 | 508.5 | 508.1 |
| 125° | 553.1 | 553.6 | 554.0 | 554.4 | 554.6 | 554.6 | 554.8 | 555.0 |
| 127.5° | 596.9 | 596.8 | 596.7 | 596.6 | 596.5 | 596.4 | 596.3 | 596.1 |
| 130° | 623.7 | 623.8 | 623.9 | 624.0 | 624.0 | 624.0 | 624.0 | 624.0 |
| 132.5° | 649.9 | 650.0 | 650.1 | 650.1 | 650.1 | 649.9 | 649.8 | 649.7 |
| 135° | 686.0 | 686.3 | 686.6 | 686.9 | 687.2 | 687.5 | 687.9 | 688.1 |
| 137.5° | 720.6 | 720.9 | 721.3 | 721.4 | 721.3 | 721.2 | 721.1 | 721.0 |
| 140° | 742.1 | 742.5 | 743.0 | 743.3 | 743.5 | 743.6 | 743.8 | 744.0 |
| 142.5° | 761.9 | 762.2 | 762.6 | 762.8 | 762.8 | 762.9 | 762.9 | 762.9 |
| 145° | 790.2 | 790.4 | 790.6 | 790.8 | 791.1 | 791.4 | 791.8 | 792.0 |
| 147.5° | 815.2 | 815.3 | 815.4 | 815.6 | 815.7 | 815.8 | 816.0 | 816.2 |
| 150° | 831.1 | 831.1 | 831.1 | 831.2 | 831.3 | 831.4 | 831.6 | 831.8 |
| 152.5° | 845.0 | 845.3 | 845.4 | 845.5 | 845.4 | 845.3 | 845.3 | 845.2 |
| 155° | 863.7 | 864.3 | 865.0 | 865.0 | 864.5 | 864.1 | 863.6 | 863.2 |
| 157.5° | 879.9 | 880.7 | 881.5 | 881.5 | 880.7 | 879.9 | 879.0 | 878.2 |
| 160° | 890.1 | 891.1 | 892.0 | 892.0 | 891.1 | 890.1 | 889.2 | 888.2 |
| 162.5° | 898.5 | 899.4 | 900.4 | 900.3 | 899.2 | 898.1 | 897.2 | 896.1 |
| 165° | 910.3 | 911.5 | 912.8 | 912.7 | 911.2 | 909.9 | 908.5 | 907.0 |
| 167.5° | 918.9 | 920.2 | 921.6 | 921.5 | 920.0 | 918.4 | 916.9 | 915.3 |
| 170° | 924.2 | 925.4 | 926.7 | 926.5 | 925.0 | 923.5 | 921.9 | 920.3 |
| 172.5° | 927.6 | 928.8 | 930.1 | 929.8 | 928.2 | 926.5 | 924.8 | 923.1 |
| 175° | 931.5 | 932.9 | 934.2 | 934.1 | 932.2 | 930.3 | 928.4 | 926.6 |
| 177.5° | 933.1 | 934.1 | 935.0 | 934.8 | 933.3 | 931.8 | 930.3 | 928.8 |
| 180° | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 | 932.2 |

(END OF REPORT)