

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: P332802-940

Luminaire Tested: **S124DIW-S795D1560U940-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332802-940
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: S124DIW-S795D1560U940-4F0-1E-UDD-D1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7715.9 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

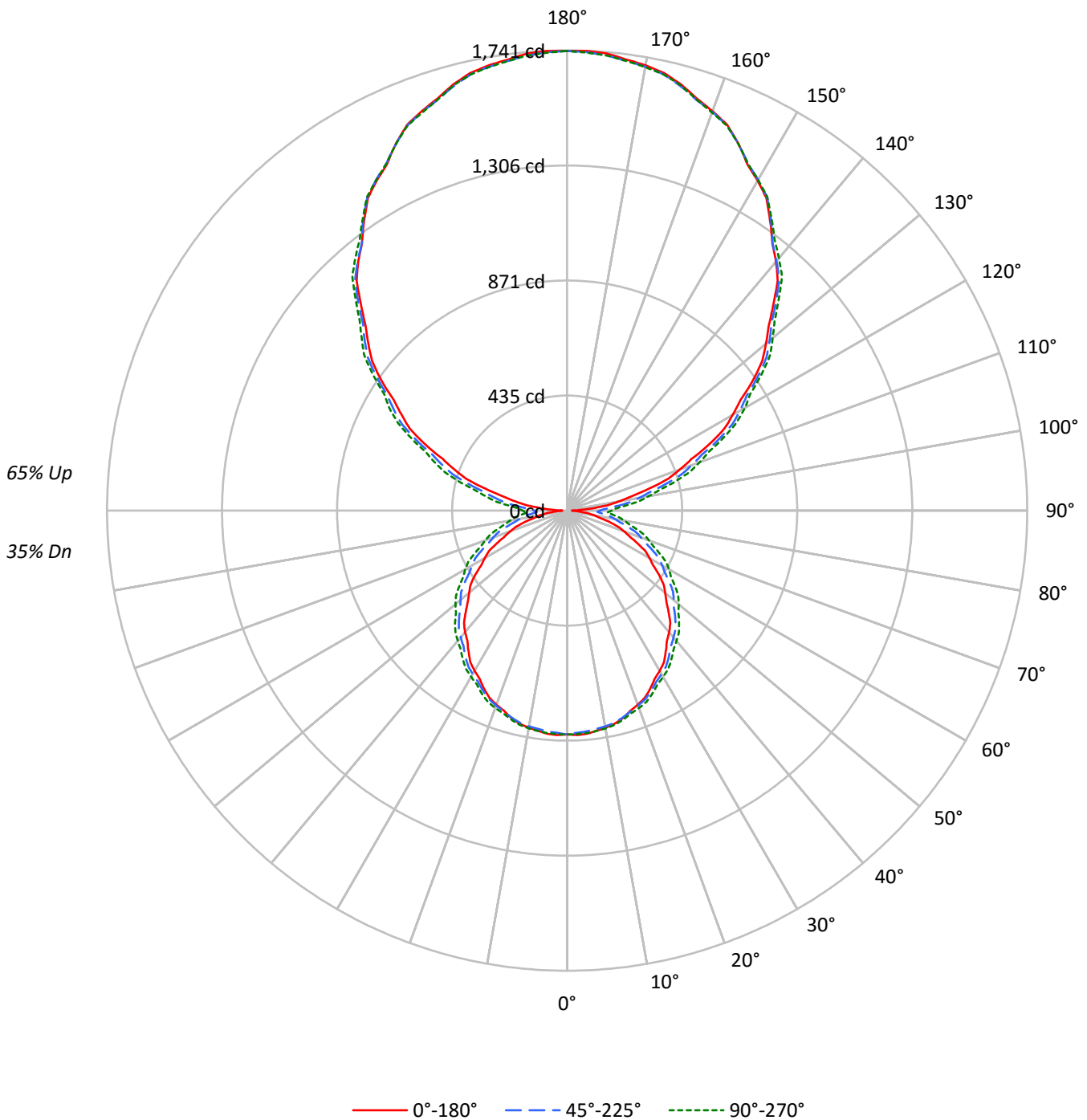
Input Watts (W): 68.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 |
| 1 | 94 | 89 | 85 | 81 | 84 | 81 | 77 | 74 | 64 | 62 | 60 | 50 | 48 | 47 | 36 | 35 | 34 | 28 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 65 | 60 | 56 | 52 | 49 | 43 | 41 | 38 | 31 | 30 | 28 | 23 |
| 3 | 77 | 68 | 60 | 54 | 69 | 61 | 55 | 50 | 49 | 44 | 41 | 38 | 35 | 32 | 27 | 25 | 24 | 19 |
| 4 | 70 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 34 | 30 | 27 | 24 | 22 | 20 | 16 |
| 5 | 65 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 |
| 6 | 59 | 47 | 39 | 33 | 53 | 43 | 36 | 31 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 12 |
| 7 | 55 | 43 | 35 | 29 | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 24 | 21 | 18 | 18 | 15 | 13 | 10 |
| 8 | 51 | 38 | 31 | 26 | 46 | 35 | 28 | 24 | 28 | 23 | 20 | 22 | 18 | 16 | 16 | 14 | 12 | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 17 | 14 | 15 | 13 | 11 | 8 |
| 10 | 44 | 32 | 25 | 20 | 40 | 29 | 23 | 19 | 24 | 19 | 16 | 19 | 15 | 13 | 14 | 11 | 10 | 8 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6838 | 6838 | 6838 |
| 5° | 6859 | 6683 | 6702 |
| 10° | 6817 | 6573 | 6568 |
| 15° | 6756 | 6446 | 6411 |
| 20° | 6664 | 6307 | 6259 |
| 25° | 6560 | 6151 | 6092 |
| 30° | 6448 | 5995 | 5919 |
| 35° | 6321 | 5835 | 5768 |
| 40° | 6219 | 5684 | 5610 |
| 45° | 6067 | 5543 | 5475 |
| 50° | 5939 | 5383 | 5333 |
| 55° | 5808 | 5231 | 5164 |
| 60° | 5601 | 5036 | 5013 |
| 65° | 5376 | 4829 | 4824 |
| 70° | 5101 | 4592 | 4605 |
| 75° | 4723 | 4331 | 4407 |
| 80° | 4295 | 4081 | 4213 |
| 85° | 3763 | 3857 | 4101 |



TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.2 | 1.0 |
| 10°-20° | 229.8 | 3.0 |
| 20°-30° | 347.5 | 4.5 |
| 30°-40° | 420.4 | 5.4 |
| 40°-50° | 444.5 | 5.8 |
| 50°-60° | 418.3 | 5.4 |
| 60°-70° | 347.1 | 4.5 |
| 70°-80° | 243.8 | 3.2 |
| 80°-90° | 143.0 | 1.9 |
| 90°-100° | 196.5 | 2.5 |
| 100°-110° | 400.2 | 5.2 |
| 110°-120° | 617.2 | 8.0 |
| 120°-130° | 783.2 | 10.1 |
| 130°-140° | 863.7 | 11.2 |
| 140°-150° | 841.0 | 10.9 |
| 150°-160° | 705.6 | 9.1 |
| 160°-170° | 469.5 | 6.1 |
| 170°-180° | 164.4 | 2.1 |
| 0°-30° | 657.5 | 8.5 |
| 0°-40° | 1077.9 | 14.0 |
| 0°-60° | 1940.7 | 25.2 |
| 0°-90° | 2674.6 | 34.7 |
| 90°-120° | 1214.0 | 15.7 |
| 90°-150° | 3701.8 | 48.0 |
| 90°-180° | 5041.0 | 65.3 |
| 0°-180° | 7715.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 847 | 847 | 847 | 847 | 847 | |
| 5° | 848 | 845 | 838 | 846 | 845 | 80 |
| 15° | 813 | 814 | 811 | 819 | 818 | 229 |
| 25° | 744 | 749 | 752 | 762 | 764 | 342 |
| 35° | 651 | 662 | 672 | 684 | 688 | 407 |
| 45° | 542 | 561 | 578 | 594 | 599 | 419 |
| 55° | 425 | 445 | 473 | 492 | 498 | 378 |
| 65° | 294 | 324 | 357 | 379 | 388 | 291 |
| 75° | 163 | 198 | 238 | 264 | 273 | 174 |
| 85° | 50 | 90 | 133 | 160 | 171 | 54 |
| 90° | 19 | 72 | 124 | 158 | 169 | 15 |
| 95° | 93 | 137 | 185 | 213 | 223 | 100 |
| 105° | 322 | 343 | 383 | 409 | 422 | 342 |
| 115° | 592 | 602 | 628 | 647 | 653 | 584 |
| 125° | 858 | 858 | 879 | 894 | 897 | 764 |
| 135° | 1103 | 1111 | 1118 | 1130 | 1132 | 853 |
| 145° | 1339 | 1343 | 1344 | 1349 | 1349 | 838 |
| 155° | 1533 | 1533 | 1531 | 1536 | 1531 | 705 |
| 165° | 1669 | 1665 | 1662 | 1669 | 1665 | 470 |
| 175° | 1736 | 1729 | 1728 | 1736 | 1728 | 165 |
| 180° | 1738 | 1738 | 1738 | 1738 | 1738 | |



TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 |
| 2.5° | 850.1 | 849.5 | 849.0 | 848.6 | 848.0 | 847.1 | 845.7 | 844.4 | 843.0 | 841.7 | 842.8 |
| 5° | 847.9 | 847.3 | 846.7 | 846.1 | 845.4 | 844.4 | 842.8 | 841.4 | 839.9 | 838.5 | 840.2 |
| 7.5° | 840.7 | 840.3 | 840.0 | 839.6 | 839.2 | 838.4 | 837.2 | 836.0 | 834.7 | 833.6 | 835.4 |
| 10° | 834.6 | 834.5 | 834.3 | 834.0 | 833.8 | 833.2 | 832.1 | 831.1 | 830.0 | 828.9 | 830.9 |
| 12.5° | 826.3 | 826.3 | 826.3 | 826.2 | 826.2 | 825.8 | 825.1 | 824.3 | 823.6 | 822.9 | 824.7 |
| 15° | 812.9 | 813.1 | 813.2 | 813.5 | 813.7 | 813.5 | 812.9 | 812.3 | 811.5 | 810.9 | 812.9 |
| 17.5° | 794.4 | 795.0 | 795.7 | 796.4 | 797.0 | 797.2 | 797.1 | 797.0 | 796.8 | 796.7 | 798.7 |
| 20° | 781.6 | 782.2 | 782.8 | 783.5 | 784.1 | 784.5 | 784.7 | 784.9 | 785.2 | 785.3 | 787.5 |
| 22.5° | 767.1 | 767.9 | 768.7 | 769.5 | 770.3 | 771.0 | 771.3 | 771.7 | 772.0 | 772.5 | 774.5 |
| 25° | 743.6 | 744.8 | 746.2 | 747.4 | 748.7 | 749.7 | 750.3 | 750.9 | 751.5 | 752.2 | 754.5 |
| 27.5° | 717.5 | 719.3 | 721.1 | 723.0 | 724.9 | 726.3 | 727.3 | 728.2 | 729.2 | 730.1 | 732.3 |
| 30° | 700.0 | 701.7 | 703.4 | 705.1 | 706.8 | 708.3 | 709.8 | 711.2 | 712.7 | 714.2 | 716.5 |
| 32.5° | 681.0 | 683.1 | 685.1 | 687.1 | 689.1 | 690.9 | 692.6 | 694.2 | 695.9 | 697.5 | 700.2 |
| 35° | 650.7 | 653.2 | 655.8 | 658.3 | 660.8 | 663.1 | 665.2 | 667.4 | 669.4 | 671.5 | 674.5 |
| 37.5° | 620.1 | 623.0 | 626.0 | 628.8 | 631.8 | 634.5 | 637.1 | 639.7 | 642.4 | 645.0 | 648.0 |
| 40° | 600.4 | 603.2 | 605.8 | 608.6 | 611.4 | 614.2 | 617.2 | 620.1 | 623.0 | 626.0 | 629.2 |
| 42.5° | 577.7 | 580.7 | 583.8 | 586.8 | 590.0 | 593.2 | 596.6 | 600.1 | 603.6 | 607.0 | 610.6 |
| 45° | 542.5 | 546.5 | 550.5 | 554.6 | 558.6 | 562.6 | 566.6 | 570.6 | 574.5 | 578.5 | 582.2 |
| 47.5° | 509.0 | 513.1 | 517.2 | 521.4 | 525.5 | 529.9 | 534.5 | 539.1 | 543.8 | 548.4 | 552.1 |
| 50° | 484.6 | 489.3 | 493.9 | 498.6 | 503.2 | 507.8 | 512.5 | 517.1 | 521.7 | 526.4 | 530.7 |
| 52.5° | 460.4 | 465.0 | 469.7 | 474.3 | 478.9 | 483.9 | 489.2 | 494.5 | 499.9 | 505.2 | 509.3 |
| 55° | 424.9 | 429.4 | 433.8 | 438.2 | 442.6 | 448.0 | 454.3 | 460.7 | 467.0 | 473.3 | 477.5 |
| 57.5° | 385.3 | 390.7 | 396.3 | 401.7 | 407.2 | 413.0 | 419.4 | 425.6 | 431.9 | 438.2 | 443.2 |
| 60° | 359.4 | 365.0 | 370.4 | 375.9 | 381.4 | 387.6 | 394.6 | 401.5 | 408.5 | 415.4 | 420.3 |
| 62.5° | 334.4 | 340.5 | 346.4 | 352.4 | 358.4 | 364.9 | 371.8 | 378.8 | 385.8 | 392.7 | 397.5 |
| 65° | 294.0 | 300.8 | 307.6 | 314.2 | 321.0 | 328.0 | 335.1 | 342.3 | 349.5 | 356.6 | 361.9 |
| 67.5° | 255.1 | 262.3 | 269.5 | 276.6 | 283.8 | 291.2 | 298.9 | 306.6 | 314.2 | 321.9 | 327.3 |
| 70° | 228.5 | 235.8 | 242.9 | 250.1 | 257.3 | 264.8 | 272.9 | 280.9 | 288.8 | 296.9 | 302.6 |
| 72.5° | 202.8 | 210.1 | 217.5 | 224.8 | 232.1 | 240.0 | 248.6 | 257.1 | 265.6 | 274.1 | 279.6 |
| 75° | 163.2 | 170.9 | 178.7 | 186.5 | 194.3 | 202.7 | 211.5 | 220.3 | 229.3 | 238.1 | 244.0 |
| 77.5° | 126.2 | 134.4 | 142.7 | 151.0 | 159.2 | 168.0 | 177.3 | 186.5 | 195.8 | 205.1 | 211.1 |
| 80° | 103.3 | 111.8 | 120.2 | 128.7 | 137.1 | 146.0 | 155.2 | 164.5 | 173.8 | 183.1 | 189.4 |
| 82.5° | 80.6 | 89.3 | 98.2 | 106.9 | 115.7 | 124.8 | 134.0 | 143.3 | 152.6 | 161.8 | 168.3 |
| 85° | 50.3 | 59.1 | 67.9 | 76.9 | 85.7 | 94.9 | 104.3 | 113.8 | 123.3 | 132.8 | 139.1 |
| 87.5° | 28.9 | 38.2 | 47.4 | 56.6 | 65.9 | 75.3 | 85.1 | 94.8 | 104.5 | 114.2 | 120.7 |
| 90° | 19.2 | 30.9 | 42.6 | 54.4 | 66.1 | 77.7 | 89.1 | 100.6 | 112.0 | 123.5 | 131.3 |
| 92.5° | 43.2 | 54.6 | 65.9 | 77.2 | 88.6 | 99.6 | 110.4 | 121.1 | 131.9 | 142.6 | 149.6 |
| 95° | 93.0 | 102.6 | 112.3 | 121.9 | 131.6 | 141.8 | 152.5 | 163.3 | 174.0 | 184.7 | 191.3 |
| 97.5° | 152.1 | 160.2 | 168.4 | 176.5 | 184.7 | 194.2 | 205.3 | 216.2 | 227.2 | 238.3 | 244.9 |
| 100° | 198.7 | 205.4 | 212.0 | 218.7 | 225.3 | 234.2 | 245.0 | 256.0 | 266.9 | 277.8 | 284.1 |
| 102.5° | 248.2 | 253.4 | 258.7 | 264.0 | 269.3 | 277.1 | 287.7 | 298.2 | 308.7 | 319.1 | 325.6 |
| 105° | 321.8 | 326.4 | 330.8 | 335.4 | 339.8 | 346.6 | 355.6 | 364.6 | 373.6 | 382.6 | 388.8 |
| 107.5° | 400.9 | 404.7 | 408.6 | 412.4 | 416.3 | 421.9 | 429.4 | 437.0 | 444.6 | 452.1 | 458.2 |
| 110° | 454.0 | 457.5 | 461.1 | 464.6 | 468.1 | 473.5 | 480.5 | 487.7 | 494.7 | 501.8 | 506.0 |



TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 509.2 | 511.9 | 514.6 | 517.4 | 520.0 | 524.7 | 531.2 | 537.7 | 544.2 | 550.7 | 555.3 |
| 115° | 591.9 | 593.8 | 595.8 | 597.6 | 599.5 | 603.5 | 609.7 | 615.8 | 622.0 | 628.1 | 632.5 |
| 117.5° | 670.7 | 672.2 | 673.5 | 674.9 | 676.3 | 679.9 | 685.8 | 691.6 | 697.5 | 703.4 | 706.8 |
| 120° | 722.7 | 724.6 | 726.4 | 728.3 | 730.0 | 733.6 | 738.8 | 744.0 | 749.2 | 754.4 | 757.2 |
| 122.5° | 777.6 | 778.2 | 778.8 | 779.4 | 780.0 | 783.0 | 788.4 | 793.7 | 799.1 | 804.4 | 807.6 |
| 125° | 857.6 | 857.4 | 857.2 | 856.9 | 856.8 | 859.2 | 864.1 | 869.1 | 874.1 | 879.0 | 882.4 |
| 127.5° | 930.8 | 931.5 | 932.2 | 932.9 | 933.5 | 935.7 | 939.2 | 942.8 | 946.4 | 949.9 | 953.1 |
| 130° | 981.7 | 982.4 | 983.0 | 983.7 | 984.4 | 986.4 | 989.8 | 993.2 | 996.6 | 1000.0 | 1003.2 |
| 132.5° | 1034.4 | 1034.8 | 1035.3 | 1035.7 | 1036.2 | 1037.6 | 1040.1 | 1042.6 | 1045.0 | 1047.5 | 1050.5 |
| 135° | 1103.0 | 1104.9 | 1106.7 | 1108.5 | 1110.3 | 1111.9 | 1113.4 | 1114.8 | 1116.3 | 1117.8 | 1120.6 |
| 137.5° | 1178.9 | 1179.6 | 1180.2 | 1180.8 | 1181.4 | 1182.3 | 1183.6 | 1184.7 | 1185.9 | 1187.1 | 1189.5 |
| 140° | 1229.5 | 1229.8 | 1230.3 | 1230.7 | 1231.0 | 1231.4 | 1231.5 | 1231.7 | 1232.0 | 1232.2 | 1234.6 |
| 142.5° | 1275.0 | 1275.5 | 1276.0 | 1276.7 | 1277.2 | 1277.3 | 1276.9 | 1276.6 | 1276.2 | 1275.9 | 1278.2 |
| 145° | 1338.8 | 1339.8 | 1340.8 | 1341.8 | 1342.7 | 1343.4 | 1343.6 | 1344.0 | 1344.3 | 1344.5 | 1345.5 |
| 147.5° | 1402.2 | 1403.5 | 1404.7 | 1405.9 | 1407.1 | 1407.7 | 1407.4 | 1407.1 | 1406.9 | 1406.7 | 1406.6 |
| 150° | 1441.0 | 1442.0 | 1443.0 | 1443.9 | 1444.9 | 1445.4 | 1445.4 | 1445.4 | 1445.4 | 1445.4 | 1445.4 |
| 152.5° | 1476.8 | 1477.5 | 1478.1 | 1478.8 | 1479.4 | 1480.0 | 1480.2 | 1480.4 | 1480.7 | 1480.9 | 1481.6 |
| 155° | 1532.8 | 1532.8 | 1532.8 | 1532.8 | 1532.8 | 1532.7 | 1532.3 | 1532.0 | 1531.8 | 1531.4 | 1532.7 |
| 157.5° | 1580.1 | 1579.6 | 1579.0 | 1578.5 | 1578.0 | 1577.7 | 1577.6 | 1577.5 | 1577.5 | 1577.4 | 1578.3 |
| 160° | 1608.1 | 1607.8 | 1607.5 | 1607.2 | 1606.9 | 1606.6 | 1606.3 | 1606.0 | 1605.7 | 1605.4 | 1606.3 |
| 162.5° | 1633.9 | 1633.2 | 1632.4 | 1631.6 | 1630.8 | 1630.2 | 1630.0 | 1629.7 | 1629.3 | 1629.1 | 1630.7 |
| 165° | 1668.6 | 1667.7 | 1666.8 | 1665.9 | 1665.0 | 1664.3 | 1663.7 | 1663.0 | 1662.5 | 1661.9 | 1663.7 |
| 167.5° | 1695.2 | 1694.0 | 1692.7 | 1691.5 | 1690.2 | 1689.6 | 1689.7 | 1689.7 | 1689.8 | 1689.9 | 1691.7 |
| 170° | 1710.3 | 1708.8 | 1707.3 | 1705.8 | 1704.3 | 1703.7 | 1704.0 | 1704.3 | 1704.6 | 1704.9 | 1706.6 |
| 172.5° | 1721.0 | 1719.8 | 1718.5 | 1717.3 | 1716.0 | 1715.4 | 1715.5 | 1715.6 | 1715.6 | 1715.7 | 1717.7 |
| 175° | 1735.8 | 1734.3 | 1732.9 | 1731.3 | 1729.8 | 1728.9 | 1728.7 | 1728.3 | 1728.0 | 1727.8 | 1729.8 |
| 177.5° | 1740.6 | 1739.5 | 1738.3 | 1737.1 | 1735.9 | 1735.3 | 1735.3 | 1735.3 | 1735.3 | 1735.3 | 1737.0 |
| 180° | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 |



TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 | 847.0 |
| 2.5° | 844.0 | 845.3 | 846.4 | 846.9 | 846.8 | 846.6 | 846.4 | 846.2 |
| 5° | 841.9 | 843.6 | 845.2 | 846.0 | 845.7 | 845.5 | 845.3 | 845.1 |
| 7.5° | 837.3 | 839.2 | 841.2 | 842.0 | 841.8 | 841.5 | 841.3 | 841.2 |
| 10° | 832.8 | 834.6 | 836.6 | 837.4 | 837.2 | 837.0 | 836.8 | 836.6 |
| 12.5° | 826.3 | 828.1 | 829.8 | 830.6 | 830.6 | 830.5 | 830.5 | 830.5 |
| 15° | 814.8 | 816.6 | 818.5 | 819.4 | 819.2 | 818.9 | 818.8 | 818.5 |
| 17.5° | 800.6 | 802.5 | 804.5 | 805.4 | 805.2 | 805.0 | 804.9 | 804.7 |
| 20° | 789.5 | 791.7 | 793.8 | 794.9 | 794.9 | 794.9 | 794.9 | 794.9 |
| 22.5° | 776.7 | 778.7 | 780.9 | 782.1 | 782.5 | 782.7 | 783.1 | 783.5 |
| 25° | 756.8 | 759.1 | 761.4 | 762.7 | 762.9 | 763.1 | 763.3 | 763.6 |
| 27.5° | 734.4 | 736.6 | 738.8 | 739.9 | 740.2 | 740.5 | 740.7 | 740.9 |
| 30° | 718.8 | 721.1 | 723.4 | 724.9 | 725.3 | 725.7 | 726.1 | 726.6 |
| 32.5° | 702.8 | 705.5 | 708.1 | 709.7 | 710.1 | 710.5 | 711.0 | 711.4 |
| 35° | 677.4 | 680.4 | 683.3 | 685.1 | 685.7 | 686.3 | 687.1 | 687.7 |
| 37.5° | 650.9 | 654.0 | 656.9 | 658.8 | 659.4 | 660.1 | 660.8 | 661.5 |
| 40° | 632.3 | 635.5 | 638.6 | 640.6 | 641.5 | 642.3 | 643.2 | 644.0 |
| 42.5° | 614.0 | 617.5 | 621.0 | 623.1 | 623.8 | 624.5 | 625.2 | 625.8 |
| 45° | 585.8 | 589.3 | 592.9 | 595.2 | 596.3 | 597.4 | 598.4 | 599.4 |
| 47.5° | 555.8 | 559.5 | 563.3 | 565.7 | 567.0 | 568.3 | 569.5 | 570.8 |
| 50° | 534.8 | 539.0 | 543.2 | 546.0 | 547.2 | 548.6 | 549.8 | 551.1 |
| 52.5° | 513.6 | 517.8 | 522.0 | 524.8 | 526.0 | 527.3 | 528.5 | 529.9 |
| 55° | 481.7 | 486.0 | 490.2 | 492.9 | 494.2 | 495.4 | 496.7 | 497.9 |
| 57.5° | 448.3 | 453.3 | 458.3 | 461.4 | 462.5 | 463.7 | 464.9 | 466.1 |
| 60° | 425.2 | 430.0 | 434.8 | 438.1 | 439.8 | 441.5 | 443.2 | 444.9 |
| 62.5° | 402.3 | 407.2 | 412.1 | 415.4 | 417.1 | 418.7 | 420.4 | 422.0 |
| 65° | 367.2 | 372.5 | 377.7 | 381.2 | 382.9 | 384.6 | 386.2 | 387.9 |
| 67.5° | 332.6 | 338.0 | 343.3 | 346.8 | 348.5 | 350.1 | 351.8 | 353.4 |
| 70° | 308.3 | 314.0 | 319.7 | 323.2 | 324.7 | 326.2 | 327.6 | 329.1 |
| 72.5° | 285.2 | 290.7 | 296.2 | 299.8 | 301.4 | 303.1 | 304.7 | 306.4 |
| 75° | 249.9 | 255.7 | 261.7 | 265.6 | 267.5 | 269.4 | 271.3 | 273.1 |
| 77.5° | 217.0 | 223.0 | 229.0 | 233.0 | 235.1 | 237.0 | 239.1 | 241.1 |
| 80° | 195.7 | 202.1 | 208.4 | 212.3 | 214.0 | 215.7 | 217.4 | 219.1 |
| 82.5° | 174.8 | 181.3 | 187.8 | 192.0 | 193.8 | 195.6 | 197.5 | 199.4 |
| 85° | 145.4 | 151.8 | 158.1 | 162.3 | 164.4 | 166.5 | 168.6 | 170.8 |
| 87.5° | 127.2 | 133.7 | 140.1 | 144.4 | 146.3 | 148.3 | 150.3 | 152.2 |
| 90° | 139.3 | 147.2 | 155.1 | 160.2 | 162.5 | 164.8 | 167.0 | 169.3 |
| 92.5° | 156.7 | 163.6 | 170.7 | 175.2 | 177.3 | 179.3 | 181.4 | 183.4 |
| 95° | 197.9 | 204.5 | 211.1 | 215.3 | 217.2 | 219.1 | 221.0 | 222.9 |
| 97.5° | 251.5 | 258.1 | 264.7 | 268.9 | 270.6 | 272.5 | 274.3 | 276.1 |
| 100° | 290.3 | 296.7 | 302.9 | 306.8 | 308.4 | 309.8 | 311.3 | 312.7 |
| 102.5° | 331.9 | 338.2 | 344.6 | 348.7 | 350.6 | 352.5 | 354.4 | 356.2 |
| 105° | 394.9 | 401.1 | 407.2 | 411.6 | 414.2 | 416.8 | 419.4 | 422.0 |
| 107.5° | 464.1 | 470.2 | 476.2 | 479.9 | 481.4 | 482.9 | 484.3 | 485.8 |
| 110° | 510.3 | 514.5 | 518.8 | 522.2 | 524.8 | 527.4 | 529.9 | 532.5 |



TEST NUMBER: P332802-940

CATALOG NUMBER: S124DIW-S795D1560U940-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 559.8 | 564.4 | 568.9 | 572.1 | 574.0 | 575.9 | 577.7 | 579.6 |
| 115° | 636.8 | 641.1 | 645.5 | 648.2 | 649.4 | 650.6 | 651.8 | 652.9 |
| 117.5° | 710.1 | 713.5 | 716.8 | 719.1 | 720.1 | 721.2 | 722.4 | 723.4 |
| 120° | 759.9 | 762.6 | 765.4 | 767.9 | 770.1 | 772.4 | 774.6 | 776.9 |
| 122.5° | 810.8 | 814.0 | 817.3 | 819.0 | 819.5 | 819.9 | 820.4 | 820.8 |
| 125° | 885.8 | 889.2 | 892.6 | 894.7 | 895.4 | 896.0 | 896.7 | 897.3 |
| 127.5° | 956.4 | 959.6 | 962.8 | 964.8 | 965.8 | 966.7 | 967.7 | 968.7 |
| 130° | 1006.3 | 1009.5 | 1012.7 | 1014.3 | 1014.4 | 1014.5 | 1014.6 | 1014.7 |
| 132.5° | 1053.6 | 1056.6 | 1059.5 | 1061.5 | 1062.3 | 1063.1 | 1063.8 | 1064.6 |
| 135° | 1123.4 | 1126.1 | 1128.9 | 1130.4 | 1130.9 | 1131.2 | 1131.6 | 1131.9 |
| 137.5° | 1191.7 | 1194.0 | 1196.3 | 1198.1 | 1199.4 | 1200.5 | 1201.8 | 1203.0 |
| 140° | 1237.1 | 1239.5 | 1242.0 | 1243.5 | 1244.3 | 1245.0 | 1245.8 | 1246.5 |
| 142.5° | 1280.5 | 1282.8 | 1285.2 | 1286.7 | 1287.6 | 1288.4 | 1289.2 | 1290.1 |
| 145° | 1346.5 | 1347.5 | 1348.4 | 1348.9 | 1348.8 | 1348.8 | 1348.7 | 1348.6 |
| 147.5° | 1406.5 | 1406.5 | 1406.4 | 1406.6 | 1406.9 | 1407.3 | 1407.7 | 1408.0 |
| 150° | 1445.4 | 1445.4 | 1445.4 | 1445.3 | 1444.9 | 1444.7 | 1444.4 | 1444.0 |
| 152.5° | 1482.3 | 1483.0 | 1483.7 | 1483.7 | 1482.9 | 1482.2 | 1481.4 | 1480.6 |
| 155° | 1533.8 | 1535.0 | 1536.2 | 1536.2 | 1535.0 | 1533.8 | 1532.7 | 1531.4 |
| 157.5° | 1579.2 | 1580.1 | 1581.0 | 1580.9 | 1579.9 | 1579.0 | 1577.9 | 1576.9 |
| 160° | 1607.2 | 1608.1 | 1609.0 | 1608.6 | 1607.2 | 1605.7 | 1604.2 | 1602.7 |
| 162.5° | 1632.3 | 1633.9 | 1635.5 | 1635.6 | 1634.1 | 1632.6 | 1631.1 | 1629.6 |
| 165° | 1665.4 | 1667.2 | 1669.0 | 1669.4 | 1668.1 | 1667.0 | 1665.7 | 1664.6 |
| 167.5° | 1693.4 | 1695.2 | 1697.0 | 1697.0 | 1695.1 | 1693.3 | 1691.4 | 1689.5 |
| 170° | 1708.5 | 1710.3 | 1712.1 | 1711.9 | 1709.9 | 1707.7 | 1705.7 | 1703.5 |
| 172.5° | 1719.8 | 1721.7 | 1723.8 | 1723.8 | 1721.6 | 1719.6 | 1717.4 | 1715.4 |
| 175° | 1732.0 | 1734.0 | 1736.2 | 1736.2 | 1734.0 | 1732.0 | 1729.8 | 1727.8 |
| 177.5° | 1738.7 | 1740.3 | 1742.0 | 1741.9 | 1739.9 | 1738.0 | 1736.2 | 1734.2 |
| 180° | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 | 1738.5 |

(END OF REPORT)