

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: P331443

Luminaire Tested: **S122DIP-S1005D725U835-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331443
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIP-S1005D725U835-4F0-1E-UDD-D4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6866.5 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.08')
CIE Type: General Diffuse

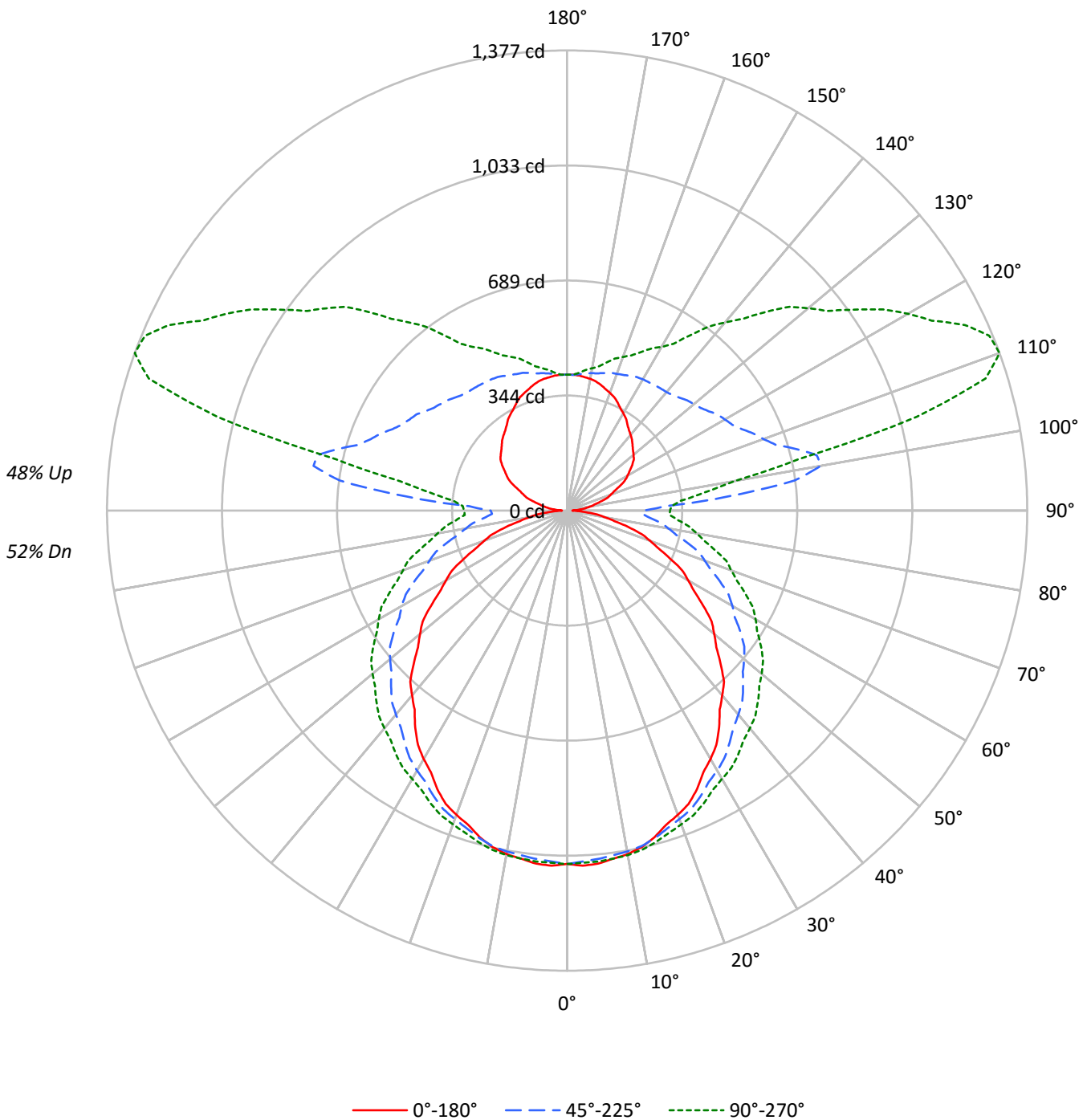
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 58 | 58 | 58 | 52 |
| 1 | 97 | 92 | 87 | 83 | 89 | 85 | 81 | 77 | 72 | 69 | 66 | 60 | 58 | 56 | 49 | 47 | 46 | 41 |
| 2 | 87 | 79 | 72 | 67 | 80 | 73 | 67 | 62 | 62 | 57 | 54 | 52 | 48 | 45 | 42 | 40 | 38 | 33 |
| 3 | 79 | 69 | 61 | 55 | 73 | 64 | 57 | 51 | 54 | 49 | 44 | 45 | 41 | 38 | 37 | 34 | 31 | 27 |
| 4 | 72 | 61 | 52 | 46 | 66 | 56 | 49 | 43 | 48 | 42 | 37 | 40 | 35 | 32 | 33 | 29 | 27 | 23 |
| 5 | 66 | 54 | 45 | 39 | 61 | 50 | 42 | 37 | 43 | 37 | 32 | 36 | 31 | 27 | 29 | 26 | 23 | 20 |
| 6 | 61 | 48 | 40 | 34 | 56 | 45 | 37 | 32 | 38 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 | 17 |
| 7 | 56 | 43 | 35 | 29 | 52 | 40 | 33 | 28 | 35 | 29 | 24 | 29 | 24 | 21 | 24 | 20 | 18 | 15 |
| 8 | 52 | 39 | 31 | 26 | 48 | 37 | 29 | 24 | 31 | 26 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 13 |
| 9 | 49 | 36 | 28 | 23 | 45 | 33 | 26 | 22 | 29 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 14 | 12 |
| 10 | 45 | 33 | 25 | 20 | 42 | 31 | 24 | 19 | 27 | 21 | 17 | 23 | 18 | 15 | 19 | 15 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 17073 | 17073 | 17073 |
| 5° | 17157 | 16435 | 16373 |
| 10° | 17049 | 15949 | 15770 |
| 15° | 16814 | 15435 | 15136 |
| 20° | 16517 | 14884 | 14525 |
| 25° | 16223 | 14353 | 13970 |
| 30° | 15810 | 13808 | 13414 |
| 35° | 15392 | 13280 | 13021 |
| 40° | 14952 | 12831 | 12629 |
| 45° | 14535 | 12429 | 12294 |
| 50° | 14086 | 12066 | 11964 |
| 55° | 13616 | 11675 | 11627 |
| 60° | 13040 | 11269 | 11271 |
| 65° | 12441 | 10795 | 10850 |
| 70° | 11770 | 10285 | 10393 |
| 75° | 10911 | 9784 | 9973 |
| 80° | 9555 | 9272 | 9549 |
| 85° | 8259 | 8830 | 9217 |



TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 100.2 | 1.5 |
| 10°-20° | 287.3 | 4.2 |
| 20°-30° | 435.4 | 6.3 |
| 30°-40° | 530.3 | 7.7 |
| 40°-50° | 570.5 | 8.3 |
| 50°-60° | 554.1 | 8.1 |
| 60°-70° | 483.8 | 7.0 |
| 70°-80° | 372.4 | 5.4 |
| 80°-90° | 253.6 | 3.7 |
| 90°-100° | 334.7 | 4.9 |
| 100°-110° | 677.3 | 9.9 |
| 110°-120° | 669.0 | 9.7 |
| 120°-130° | 528.7 | 7.7 |
| 130°-140° | 406.8 | 5.9 |
| 140°-150° | 296.1 | 4.3 |
| 150°-160° | 205.7 | 3.0 |
| 160°-170° | 121.1 | 1.8 |
| 170°-180° | 39.4 | 0.6 |
| 0°-30° | 822.9 | 12.0 |
| 0°-40° | 1353.3 | 19.7 |
| 0°-60° | 2477.9 | 36.1 |
| 0°-90° | 3587.7 | 52.2 |
| 90°-120° | 1681.0 | 24.5 |
| 90°-150° | 2912.6 | 42.4 |
| 90°-180° | 3279.0 | 47.8 |
| 0°-180° | 6866.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1057 | 1057 | 1057 | 1057 | 1057 | |
| 5° | 1060 | 1056 | 1047 | 1055 | 1054 | 101 |
| 15° | 1012 | 1014 | 1014 | 1028 | 1027 | 285 |
| 25° | 920 | 930 | 944 | 962 | 967 | 423 |
| 35° | 792 | 819 | 848 | 880 | 892 | 495 |
| 45° | 650 | 692 | 745 | 790 | 808 | 501 |
| 55° | 498 | 555 | 633 | 686 | 708 | 445 |
| 65° | 340 | 416 | 506 | 566 | 588 | 338 |
| 75° | 188 | 275 | 372 | 436 | 458 | 199 |
| 85° | 55 | 150 | 248 | 310 | 334 | 59 |
| 90° | 16 | 115 | 229 | 287 | 308 | 12 |
| 95° | 40 | 153 | 483 | 348 | 342 | 39 |
| 105° | 103 | 198 | 711 | 1219 | 1083 | 110 |
| 115° | 174 | 238 | 577 | 1136 | 1314 | 172 |
| 125° | 238 | 283 | 518 | 902 | 1048 | 211 |
| 135° | 277 | 331 | 477 | 729 | 841 | 214 |
| 145° | 314 | 361 | 458 | 578 | 639 | 198 |
| 155° | 357 | 386 | 445 | 503 | 523 | 164 |
| 165° | 389 | 401 | 426 | 452 | 459 | 110 |
| 175° | 406 | 406 | 410 | 415 | 414 | 39 |
| 180° | 406 | 406 | 406 | 406 | 406 | |



TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 |
| 2.5° | 1063.6 | 1062.8 | 1061.9 | 1061.1 | 1060.3 | 1058.9 | 1057.0 | 1055.1 | 1053.2 | 1051.3 | 1052.7 |
| 5° | 1060.5 | 1059.5 | 1058.5 | 1057.4 | 1056.4 | 1054.9 | 1052.9 | 1050.8 | 1048.8 | 1046.7 | 1048.8 |
| 7.5° | 1051.0 | 1050.3 | 1049.6 | 1049.0 | 1048.3 | 1047.2 | 1045.6 | 1044.0 | 1042.5 | 1040.9 | 1043.3 |
| 10° | 1043.7 | 1043.0 | 1042.3 | 1041.6 | 1040.9 | 1040.1 | 1039.1 | 1038.0 | 1037.0 | 1036.0 | 1038.7 |
| 12.5° | 1031.4 | 1031.5 | 1031.7 | 1031.8 | 1031.9 | 1031.6 | 1030.9 | 1030.1 | 1029.4 | 1028.6 | 1031.4 |
| 15° | 1011.5 | 1012.2 | 1012.8 | 1013.5 | 1014.2 | 1014.5 | 1014.5 | 1014.5 | 1014.5 | 1014.5 | 1017.6 |
| 17.5° | 985.7 | 987.2 | 988.6 | 990.0 | 991.4 | 992.7 | 993.8 | 994.9 | 996.0 | 997.1 | 1000.3 |
| 20° | 968.6 | 970.3 | 972.0 | 973.7 | 975.4 | 976.9 | 978.3 | 979.6 | 981.0 | 982.4 | 986.1 |
| 22.5° | 950.2 | 952.1 | 954.1 | 956.1 | 958.1 | 960.0 | 961.9 | 963.8 | 965.7 | 967.6 | 971.4 |
| 25° | 919.5 | 921.9 | 924.3 | 926.7 | 929.1 | 931.8 | 934.8 | 937.9 | 941.0 | 944.0 | 948.1 |
| 27.5° | 882.7 | 886.6 | 890.5 | 894.4 | 898.3 | 902.0 | 905.6 | 909.2 | 912.8 | 916.5 | 921.6 |
| 30° | 858.2 | 862.6 | 867.1 | 871.5 | 875.9 | 880.4 | 884.8 | 889.2 | 893.6 | 898.1 | 903.5 |
| 32.5° | 831.2 | 836.2 | 841.2 | 846.2 | 851.1 | 856.2 | 861.5 | 866.7 | 872.0 | 877.2 | 883.5 |
| 35° | 792.3 | 798.1 | 803.9 | 809.7 | 815.5 | 821.6 | 828.1 | 834.5 | 841.0 | 847.5 | 855.0 |
| 37.5° | 750.0 | 756.7 | 763.4 | 770.0 | 776.7 | 784.2 | 792.6 | 801.0 | 809.4 | 817.8 | 826.1 |
| 40° | 721.8 | 729.3 | 736.8 | 744.3 | 751.8 | 760.1 | 769.3 | 778.5 | 787.7 | 796.9 | 805.8 |
| 42.5° | 694.9 | 702.3 | 709.8 | 717.3 | 724.8 | 733.8 | 744.4 | 755.0 | 765.5 | 776.1 | 785.7 |
| 45° | 649.8 | 659.0 | 668.2 | 677.4 | 686.6 | 697.1 | 709.1 | 721.0 | 732.9 | 744.8 | 755.4 |
| 47.5° | 605.4 | 615.4 | 625.4 | 635.4 | 645.4 | 657.4 | 671.4 | 685.3 | 699.3 | 713.2 | 724.3 |
| 50° | 574.7 | 585.3 | 595.8 | 606.4 | 616.9 | 629.9 | 645.2 | 660.5 | 675.8 | 691.2 | 702.8 |
| 52.5° | 545.3 | 556.4 | 567.5 | 578.6 | 589.7 | 603.3 | 619.4 | 635.6 | 651.7 | 667.9 | 679.7 |
| 55° | 498.1 | 510.3 | 522.6 | 534.9 | 547.1 | 562.1 | 579.8 | 597.5 | 615.2 | 632.9 | 645.2 |
| 57.5° | 451.5 | 465.3 | 479.1 | 493.0 | 506.8 | 522.7 | 540.8 | 558.8 | 576.9 | 594.9 | 608.1 |
| 60° | 418.4 | 433.0 | 447.7 | 462.3 | 477.0 | 494.0 | 513.4 | 532.8 | 552.2 | 571.6 | 584.6 |
| 62.5° | 389.0 | 404.1 | 419.3 | 434.5 | 449.7 | 467.0 | 486.4 | 505.8 | 525.3 | 544.7 | 558.4 |
| 65° | 340.2 | 356.9 | 373.6 | 390.3 | 407.0 | 425.4 | 445.5 | 465.5 | 485.6 | 505.7 | 519.7 |
| 67.5° | 295.5 | 312.9 | 330.3 | 347.8 | 365.2 | 384.2 | 404.8 | 425.4 | 445.9 | 466.5 | 480.6 |
| 70° | 263.6 | 281.3 | 299.0 | 316.7 | 334.4 | 353.8 | 375.0 | 396.1 | 417.2 | 438.3 | 452.9 |
| 72.5° | 234.2 | 252.4 | 270.7 | 288.9 | 307.2 | 327.0 | 348.4 | 369.8 | 391.2 | 412.6 | 426.9 |
| 75° | 188.5 | 207.6 | 226.6 | 245.7 | 264.8 | 285.2 | 307.0 | 328.8 | 350.6 | 372.4 | 387.0 |
| 77.5° | 144.4 | 164.3 | 184.3 | 204.2 | 224.2 | 245.2 | 267.4 | 289.5 | 311.6 | 333.8 | 348.4 |
| 80° | 114.9 | 135.7 | 156.5 | 177.3 | 198.0 | 219.5 | 241.6 | 263.8 | 285.9 | 308.0 | 322.3 |
| 82.5° | 90.4 | 110.9 | 131.4 | 151.9 | 172.4 | 193.9 | 216.3 | 238.7 | 261.1 | 283.5 | 297.8 |
| 85° | 55.2 | 76.3 | 97.4 | 118.5 | 139.6 | 161.1 | 182.9 | 204.7 | 226.5 | 248.3 | 262.6 |
| 87.5° | 30.2 | 51.0 | 71.9 | 92.5 | 113.1 | 134.6 | 157.2 | 180.1 | 202.8 | 224.8 | 238.5 |
| 90° | 16.1 | 38.2 | 61.1 | 82.4 | 103.7 | 126.8 | 152.5 | 179.8 | 206.3 | 228.9 | 241.7 |
| 92.5° | 23.6 | 46.2 | 70.3 | 92.1 | 115.8 | 142.8 | 181.5 | 227.3 | 270.5 | 292.9 | 290.4 |
| 95° | 39.6 | 58.8 | 82.6 | 105.6 | 134.1 | 171.1 | 227.5 | 315.9 | 427.1 | 482.7 | 457.3 |
| 97.5° | 55.3 | 73.7 | 96.3 | 121.1 | 149.7 | 187.9 | 252.7 | 367.1 | 537.4 | 686.2 | 724.4 |
| 100° | 70.9 | 85.9 | 105.5 | 130.6 | 158.8 | 196.6 | 257.1 | 371.5 | 559.4 | 770.8 | 896.0 |
| 102.5° | 84.1 | 97.3 | 115.9 | 139.9 | 167.6 | 204.5 | 261.4 | 364.6 | 539.5 | 765.3 | 954.6 |
| 105° | 103.0 | 116.0 | 131.4 | 153.0 | 180.1 | 215.7 | 270.2 | 357.5 | 504.2 | 711.0 | 930.9 |
| 107.5° | 125.2 | 135.6 | 148.9 | 167.5 | 192.5 | 227.0 | 279.6 | 357.2 | 480.8 | 654.1 | 849.2 |
| 110° | 139.0 | 149.0 | 160.5 | 177.4 | 200.7 | 235.1 | 286.2 | 359.1 | 471.2 | 625.5 | 798.2 |



TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 152.8 | 161.6 | 172.7 | 187.9 | 209.4 | 243.5 | 292.5 | 361.6 | 464.0 | 603.1 | 759.6 |
| 115° | 174.2 | 181.9 | 190.3 | 203.4 | 222.8 | 253.4 | 302.4 | 365.4 | 456.5 | 576.6 | 710.3 |
| 117.5° | 194.9 | 200.4 | 207.6 | 218.3 | 235.8 | 266.0 | 311.3 | 370.1 | 450.8 | 556.7 | 674.2 |
| 120° | 208.6 | 213.1 | 219.2 | 227.6 | 244.6 | 273.9 | 318.0 | 373.9 | 447.7 | 545.0 | 653.8 |
| 122.5° | 221.8 | 224.8 | 230.0 | 238.2 | 254.4 | 283.6 | 325.0 | 376.9 | 445.5 | 535.1 | 635.5 |
| 125° | 237.6 | 239.9 | 244.6 | 254.0 | 269.6 | 297.0 | 336.0 | 382.1 | 441.4 | 518.0 | 607.7 |
| 127.5° | 251.3 | 254.1 | 260.3 | 270.3 | 285.0 | 311.7 | 347.9 | 388.2 | 439.2 | 504.3 | 581.9 |
| 130° | 259.5 | 262.2 | 269.7 | 280.3 | 295.6 | 320.9 | 355.4 | 392.3 | 438.5 | 495.7 | 564.8 |
| 132.5° | 267.0 | 270.4 | 278.5 | 289.7 | 305.6 | 330.1 | 361.7 | 396.3 | 437.8 | 487.7 | 549.7 |
| 135° | 276.7 | 279.8 | 289.2 | 300.9 | 318.9 | 342.5 | 370.9 | 401.7 | 436.4 | 477.3 | 529.0 |
| 137.5° | 287.3 | 291.0 | 300.3 | 312.8 | 330.5 | 351.6 | 377.8 | 404.7 | 434.7 | 468.2 | 511.9 |
| 140° | 295.5 | 298.2 | 307.3 | 319.4 | 336.3 | 356.8 | 380.9 | 405.8 | 433.1 | 462.7 | 501.8 |
| 142.5° | 303.6 | 305.7 | 314.2 | 326.3 | 342.6 | 361.5 | 384.5 | 408.2 | 433.1 | 460.3 | 493.8 |
| 145° | 314.2 | 317.4 | 325.2 | 336.9 | 352.5 | 369.7 | 390.9 | 412.7 | 434.6 | 458.1 | 485.1 |
| 147.5° | 327.4 | 329.7 | 337.2 | 348.0 | 361.0 | 376.3 | 396.2 | 415.4 | 435.3 | 455.3 | 477.4 |
| 150° | 336.1 | 338.5 | 344.7 | 354.9 | 366.6 | 380.7 | 398.7 | 416.6 | 434.6 | 453.4 | 472.1 |
| 152.5° | 344.9 | 346.0 | 352.2 | 361.1 | 372.2 | 385.1 | 401.2 | 417.3 | 433.4 | 450.3 | 467.8 |
| 155° | 357.2 | 358.0 | 362.7 | 371.3 | 379.9 | 391.6 | 404.9 | 418.2 | 431.5 | 444.8 | 459.6 |
| 157.5° | 367.6 | 368.3 | 372.1 | 379.6 | 386.5 | 396.3 | 407.6 | 418.2 | 427.9 | 439.2 | 452.0 |
| 160° | 374.4 | 375.2 | 378.3 | 384.6 | 390.9 | 399.4 | 408.8 | 418.2 | 426.0 | 435.4 | 446.4 |
| 162.5° | 381.3 | 380.8 | 384.0 | 389.0 | 394.6 | 401.3 | 409.5 | 417.6 | 424.2 | 432.3 | 441.3 |
| 165° | 389.3 | 388.5 | 390.1 | 394.8 | 398.7 | 403.4 | 410.4 | 415.9 | 420.6 | 426.0 | 433.1 |
| 167.5° | 395.9 | 394.9 | 396.3 | 399.3 | 402.1 | 405.1 | 410.2 | 414.8 | 417.0 | 420.6 | 424.9 |
| 170° | 400.2 | 398.7 | 399.4 | 401.8 | 403.4 | 405.7 | 409.6 | 413.5 | 415.1 | 417.4 | 420.6 |
| 172.5° | 402.7 | 401.8 | 401.3 | 403.7 | 404.6 | 406.3 | 409.0 | 411.6 | 412.6 | 413.7 | 416.2 |
| 175° | 405.7 | 404.9 | 404.1 | 405.7 | 405.7 | 406.5 | 408.0 | 409.6 | 408.8 | 409.6 | 410.4 |
| 177.5° | 407.1 | 405.9 | 405.2 | 406.5 | 406.5 | 406.5 | 407.1 | 408.4 | 407.1 | 406.5 | 407.1 |
| 180° | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 |



TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 | 1057.4 |
| 2.5° | 1054.0 | 1055.4 | 1056.8 | 1057.2 | 1056.6 | 1056.1 | 1055.5 | 1055.0 |
| 5° | 1050.8 | 1052.9 | 1054.9 | 1055.7 | 1055.4 | 1055.1 | 1054.7 | 1054.4 |
| 7.5° | 1045.8 | 1048.3 | 1050.7 | 1051.8 | 1051.4 | 1051.1 | 1050.7 | 1050.4 |
| 10° | 1041.4 | 1044.2 | 1046.9 | 1048.1 | 1047.7 | 1047.4 | 1047.1 | 1046.7 |
| 12.5° | 1034.1 | 1036.8 | 1039.5 | 1040.7 | 1040.4 | 1040.0 | 1039.7 | 1039.4 |
| 15° | 1020.7 | 1023.7 | 1026.8 | 1028.2 | 1027.8 | 1027.5 | 1027.1 | 1026.8 |
| 17.5° | 1003.5 | 1006.7 | 1009.9 | 1011.5 | 1011.5 | 1011.5 | 1011.5 | 1011.5 |
| 20° | 989.8 | 993.6 | 997.3 | 999.2 | 999.2 | 999.2 | 999.2 | 999.2 |
| 22.5° | 975.1 | 978.9 | 982.6 | 984.8 | 985.3 | 985.9 | 986.4 | 987.0 |
| 25° | 952.2 | 956.3 | 960.4 | 962.9 | 964.0 | 965.0 | 966.0 | 967.0 |
| 27.5° | 926.8 | 932.0 | 937.2 | 940.1 | 940.9 | 941.6 | 942.4 | 943.1 |
| 30° | 909.0 | 914.4 | 919.9 | 923.1 | 924.1 | 925.1 | 926.2 | 927.2 |
| 32.5° | 889.8 | 896.0 | 902.3 | 906.3 | 908.2 | 910.0 | 911.9 | 913.7 |
| 35° | 862.5 | 870.0 | 877.5 | 882.4 | 884.8 | 887.2 | 889.6 | 891.9 |
| 37.5° | 834.4 | 842.7 | 851.0 | 856.4 | 858.9 | 861.5 | 864.0 | 866.5 |
| 40° | 814.6 | 823.5 | 832.3 | 838.3 | 841.4 | 844.4 | 847.5 | 850.6 |
| 42.5° | 795.4 | 805.1 | 814.8 | 821.1 | 824.2 | 827.3 | 830.3 | 833.4 |
| 45° | 765.9 | 776.5 | 787.0 | 794.0 | 797.4 | 800.8 | 804.2 | 807.6 |
| 47.5° | 735.3 | 746.3 | 757.4 | 764.8 | 768.5 | 772.3 | 776.0 | 779.8 |
| 50° | 714.3 | 725.9 | 737.5 | 745.2 | 748.9 | 752.6 | 756.4 | 760.1 |
| 52.5° | 691.6 | 703.4 | 715.3 | 723.2 | 727.2 | 731.3 | 735.3 | 739.3 |
| 55° | 657.5 | 669.7 | 682.0 | 690.3 | 694.7 | 699.2 | 703.6 | 708.0 |
| 57.5° | 621.4 | 634.6 | 647.8 | 656.6 | 661.1 | 665.6 | 670.1 | 674.6 |
| 60° | 597.5 | 610.5 | 623.4 | 632.3 | 637.0 | 641.8 | 646.6 | 651.3 |
| 62.5° | 572.2 | 585.9 | 599.7 | 608.8 | 613.3 | 617.8 | 622.3 | 626.8 |
| 65° | 533.7 | 547.6 | 561.6 | 570.8 | 575.2 | 579.6 | 584.1 | 588.5 |
| 67.5° | 494.7 | 508.8 | 522.9 | 532.3 | 536.9 | 541.5 | 546.2 | 550.8 |
| 70° | 467.6 | 482.2 | 496.9 | 506.2 | 510.3 | 514.4 | 518.5 | 522.6 |
| 72.5° | 441.3 | 455.7 | 470.0 | 479.7 | 484.6 | 489.5 | 494.4 | 499.3 |
| 75° | 401.7 | 416.3 | 431.0 | 440.5 | 444.9 | 449.4 | 453.8 | 458.2 |
| 77.5° | 362.9 | 377.5 | 392.1 | 401.8 | 406.5 | 411.3 | 416.1 | 420.8 |
| 80° | 336.6 | 351.0 | 365.3 | 374.8 | 379.6 | 384.3 | 389.1 | 393.9 |
| 82.5° | 312.1 | 326.4 | 340.7 | 350.1 | 354.6 | 359.1 | 363.6 | 368.1 |
| 85° | 276.9 | 291.2 | 305.5 | 315.0 | 319.8 | 324.6 | 329.3 | 334.1 |
| 87.5° | 252.3 | 265.8 | 280.0 | 289.3 | 293.7 | 298.0 | 302.4 | 306.8 |
| 90° | 254.6 | 266.6 | 281.8 | 291.4 | 295.5 | 299.6 | 303.7 | 307.8 |
| 92.5° | 286.1 | 289.8 | 296.6 | 300.4 | 303.9 | 305.5 | 310.2 | 313.0 |
| 95° | 406.9 | 372.2 | 352.3 | 343.6 | 337.5 | 335.4 | 337.1 | 342.0 |
| 97.5° | 666.2 | 591.9 | 519.9 | 471.8 | 438.4 | 423.2 | 415.8 | 413.3 |
| 100° | 892.1 | 807.8 | 713.3 | 626.9 | 565.8 | 535.9 | 517.0 | 506.7 |
| 102.5° | 1037.5 | 1027.9 | 961.9 | 869.8 | 803.0 | 749.4 | 724.8 | 709.5 |
| 105° | 1105.4 | 1205.7 | 1227.7 | 1209.8 | 1165.1 | 1120.3 | 1090.5 | 1083.3 |
| 107.5° | 1033.1 | 1177.6 | 1270.3 | 1315.8 | 1325.6 | 1326.7 | 1323.7 | 1312.9 |
| 110° | 974.0 | 1124.8 | 1235.8 | 1307.2 | 1344.6 | 1363.2 | 1373.9 | 1376.9 |



TEST NUMBER: P331443

CATALOG NUMBER: S122DIP-S1005D725U835-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 919.1 | 1064.3 | 1182.2 | 1263.0 | 1313.5 | 1342.1 | 1359.1 | 1367.1 |
| 115° | 849.5 | 980.1 | 1092.7 | 1180.2 | 1239.5 | 1279.2 | 1303.3 | 1314.0 |
| 117.5° | 793.9 | 909.6 | 1012.6 | 1094.9 | 1154.9 | 1196.4 | 1221.3 | 1230.7 |
| 120° | 764.1 | 870.6 | 963.0 | 1040.8 | 1099.2 | 1139.7 | 1166.2 | 1177.7 |
| 122.5° | 739.4 | 837.4 | 925.2 | 995.7 | 1048.0 | 1087.3 | 1110.6 | 1120.4 |
| 125° | 702.1 | 791.8 | 869.8 | 934.6 | 983.0 | 1015.7 | 1038.3 | 1047.7 |
| 127.5° | 665.3 | 746.6 | 820.0 | 879.8 | 922.3 | 953.2 | 973.0 | 981.0 |
| 130° | 641.8 | 717.2 | 787.1 | 844.2 | 885.2 | 914.5 | 932.9 | 941.8 |
| 132.5° | 618.9 | 689.0 | 753.7 | 807.5 | 847.9 | 877.2 | 894.3 | 902.6 |
| 135° | 587.0 | 645.7 | 704.4 | 753.2 | 789.5 | 818.0 | 834.8 | 840.7 |
| 137.5° | 559.6 | 609.0 | 656.2 | 698.6 | 731.6 | 756.1 | 770.8 | 777.8 |
| 140° | 542.4 | 585.4 | 626.8 | 664.9 | 692.0 | 714.3 | 728.1 | 734.8 |
| 142.5° | 529.0 | 565.3 | 600.6 | 632.4 | 657.9 | 678.2 | 690.4 | 693.1 |
| 145° | 511.4 | 539.3 | 565.5 | 590.1 | 610.5 | 625.5 | 635.0 | 639.1 |
| 147.5° | 498.3 | 518.9 | 538.1 | 555.2 | 571.5 | 583.0 | 589.1 | 591.3 |
| 150° | 490.9 | 508.1 | 524.5 | 538.6 | 550.3 | 559.7 | 564.4 | 565.2 |
| 152.5° | 484.0 | 500.0 | 513.9 | 526.1 | 535.3 | 543.4 | 546.9 | 547.0 |
| 155° | 474.5 | 487.0 | 498.7 | 507.3 | 515.9 | 521.4 | 524.5 | 523.0 |
| 157.5° | 463.4 | 473.9 | 483.7 | 490.4 | 496.5 | 501.1 | 502.5 | 502.5 |
| 160° | 456.5 | 465.1 | 473.7 | 479.2 | 484.7 | 488.6 | 489.3 | 489.3 |
| 162.5° | 449.6 | 457.0 | 464.3 | 468.6 | 474.0 | 476.7 | 477.5 | 476.8 |
| 165° | 439.3 | 444.8 | 450.3 | 453.4 | 456.5 | 459.6 | 459.6 | 458.9 |
| 167.5° | 429.5 | 433.7 | 437.4 | 440.3 | 441.7 | 443.4 | 443.2 | 442.3 |
| 170° | 424.5 | 426.8 | 429.9 | 431.5 | 432.3 | 434.6 | 433.8 | 432.3 |
| 172.5° | 418.8 | 420.6 | 423.1 | 424.0 | 424.8 | 425.9 | 425.1 | 424.2 |
| 175° | 412.7 | 413.5 | 414.3 | 415.1 | 415.1 | 415.9 | 415.1 | 413.5 |
| 177.5° | 408.4 | 408.4 | 409.0 | 409.0 | 409.0 | 409.0 | 408.4 | 407.1 |
| 180° | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 | 406.5 |

(END OF REPORT)