

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: P333391-935

Luminaire Tested: **S125DIW-S610D1340U935-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333391-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S610D1340U935-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6074.6 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

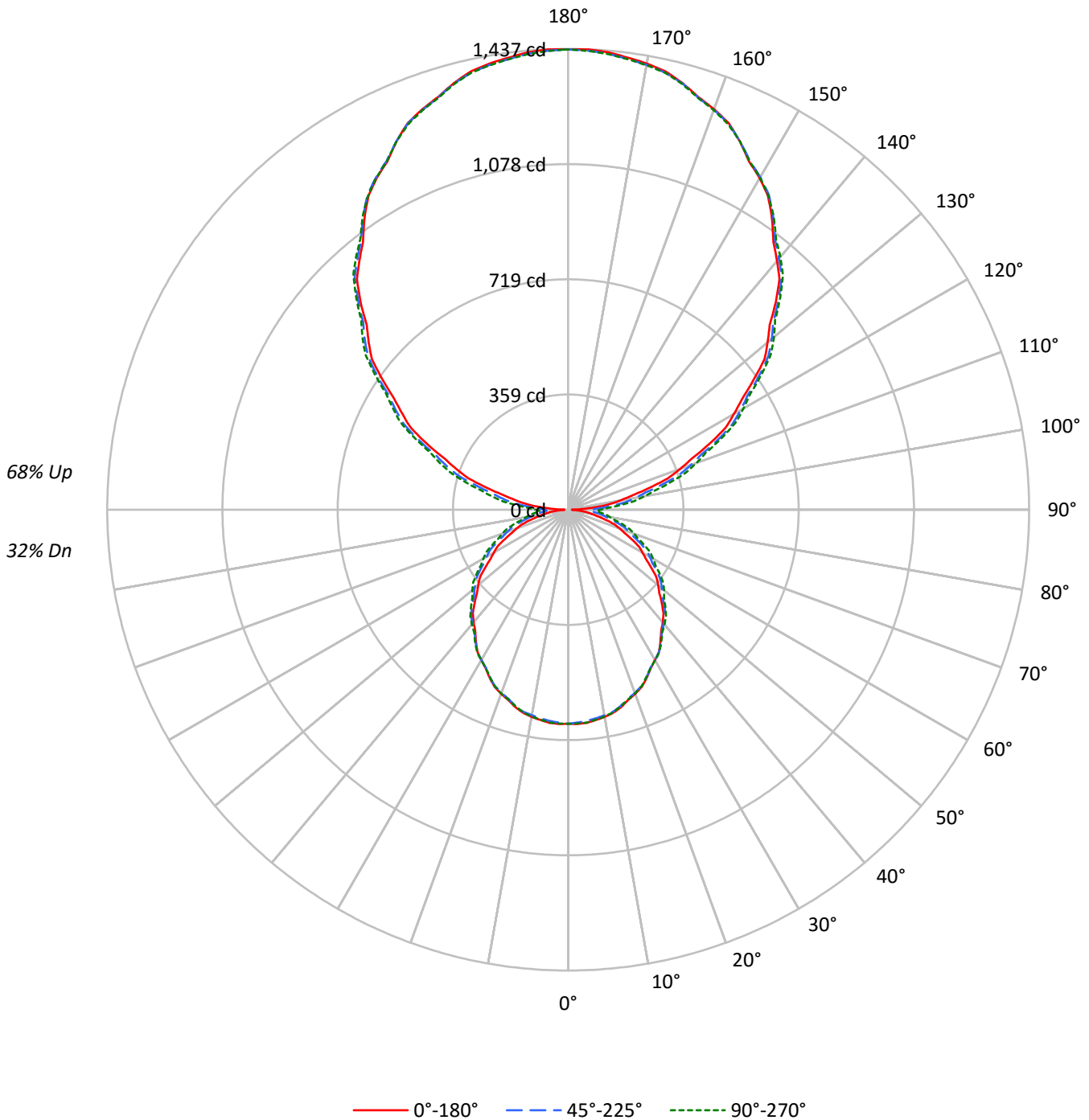
Input Watts (W): 53.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

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 | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 73 | 73 | 73 | 56 | 56 | 56 | 40 | 40 | 40 | 32 |
| 1 | 93 | 89 | 85 | 81 | 84 | 80 | 77 | 74 | 63 | 61 | 59 | 48 | 47 | 45 | 34 | 33 | 32 | 26 |
| 2 | 85 | 77 | 71 | 66 | 76 | 70 | 64 | 60 | 55 | 52 | 48 | 42 | 40 | 37 | 30 | 28 | 27 | 21 |
| 3 | 77 | 68 | 60 | 55 | 69 | 61 | 55 | 50 | 49 | 44 | 40 | 37 | 34 | 31 | 26 | 24 | 23 | 18 |
| 4 | 70 | 60 | 52 | 46 | 63 | 54 | 47 | 42 | 43 | 38 | 34 | 33 | 29 | 27 | 23 | 21 | 19 | 15 |
| 5 | 64 | 53 | 45 | 39 | 58 | 48 | 41 | 36 | 38 | 33 | 29 | 29 | 26 | 23 | 21 | 19 | 17 | 13 |
| 6 | 59 | 47 | 39 | 34 | 53 | 43 | 36 | 31 | 34 | 29 | 25 | 26 | 23 | 20 | 19 | 17 | 15 | 11 |
| 7 | 55 | 43 | 35 | 29 | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8 | 51 | 39 | 31 | 26 | 45 | 35 | 28 | 24 | 28 | 23 | 20 | 22 | 18 | 16 | 16 | 13 | 12 | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 25 | 21 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8 |
| 10 | 44 | 32 | 25 | 20 | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 12 | 13 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4310 | 4310 | 4310 |
| 5° | 4318 | 4229 | 4243 |
| 10° | 4288 | 4154 | 4148 |
| 15° | 4236 | 4064 | 4027 |
| 20° | 4168 | 3952 | 3906 |
| 25° | 4086 | 3833 | 3757 |
| 30° | 3987 | 3701 | 3622 |
| 35° | 3894 | 3580 | 3497 |
| 40° | 3800 | 3452 | 3372 |
| 45° | 3693 | 3344 | 3261 |
| 50° | 3592 | 3225 | 3163 |
| 55° | 3469 | 3114 | 3048 |
| 60° | 3336 | 2986 | 2931 |
| 65° | 3196 | 2854 | 2799 |
| 70° | 3036 | 2672 | 2663 |
| 75° | 2788 | 2496 | 2496 |
| 80° | 2461 | 2284 | 2314 |
| 85° | 2155 | 2142 | 2255 |



TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.1 | 1.0 |
| 10°-20° | 179.1 | 2.9 |
| 20°-30° | 266.4 | 4.4 |
| 30°-40° | 315.5 | 5.2 |
| 40°-50° | 326.2 | 5.4 |
| 50°-60° | 300.5 | 4.9 |
| 60°-70° | 242.9 | 4.0 |
| 70°-80° | 162.7 | 2.7 |
| 80°-90° | 87.5 | 1.4 |
| 90°-100° | 143.5 | 2.4 |
| 100°-110° | 318.8 | 5.2 |
| 110°-120° | 504.2 | 8.3 |
| 120°-130° | 646.0 | 10.6 |
| 130°-140° | 714.8 | 11.8 |
| 140°-150° | 696.0 | 11.5 |
| 150°-160° | 583.6 | 9.6 |
| 160°-170° | 388.0 | 6.4 |
| 170°-180° | 135.8 | 2.2 |
| 0°-30° | 508.6 | 8.4 |
| 0°-40° | 824.1 | 13.6 |
| 0°-60° | 1450.8 | 23.9 |
| 0°-90° | 1943.9 | 32.0 |
| 90°-120° | 966.4 | 15.9 |
| 90°-150° | 3023.2 | 49.8 |
| 90°-180° | 4131.0 | 68.0 |
| 0°-180° | 6074.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 667 | 667 | 667 | 667 | 667 | |
| 5° | 667 | 666 | 661 | 666 | 666 | 63 |
| 15° | 637 | 638 | 633 | 637 | 635 | 179 |
| 25° | 579 | 581 | 577 | 579 | 576 | 266 |
| 35° | 501 | 505 | 504 | 506 | 506 | 313 |
| 45° | 413 | 420 | 423 | 428 | 428 | 318 |
| 55° | 317 | 328 | 338 | 345 | 348 | 284 |
| 65° | 218 | 234 | 249 | 259 | 262 | 217 |
| 75° | 120 | 138 | 158 | 171 | 175 | 128 |
| 85° | 36 | 58 | 80 | 94 | 100 | 38 |
| 90° | 12 | 41 | 72 | 91 | 100 | 11 |
| 95° | 81 | 101 | 134 | 155 | 163 | 84 |
| 105° | 260 | 277 | 303 | 322 | 331 | 278 |
| 115° | 485 | 495 | 514 | 524 | 527 | 480 |
| 125° | 705 | 712 | 725 | 733 | 736 | 631 |
| 135° | 915 | 921 | 927 | 935 | 934 | 705 |
| 145° | 1107 | 1111 | 1115 | 1118 | 1117 | 692 |
| 155° | 1266 | 1267 | 1268 | 1272 | 1266 | 583 |
| 165° | 1377 | 1375 | 1376 | 1380 | 1374 | 388 |
| 175° | 1432 | 1428 | 1427 | 1433 | 1426 | 136 |
| 180° | 1435 | 1435 | 1435 | 1435 | 1435 | |



TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 |
| 2.5° | 668.8 | 668.6 | 668.4 | 668.1 | 667.9 | 667.4 | 666.6 | 665.7 | 665.0 | 664.1 | 665.0 |
| 5° | 667.3 | 666.9 | 666.7 | 666.4 | 666.1 | 665.5 | 664.4 | 663.4 | 662.4 | 661.3 | 662.5 |
| 7.5° | 661.3 | 661.2 | 661.2 | 661.0 | 660.9 | 660.3 | 659.3 | 658.2 | 657.2 | 656.2 | 657.1 |
| 10° | 656.2 | 656.2 | 656.2 | 656.2 | 656.2 | 655.6 | 654.4 | 653.2 | 652.0 | 650.9 | 651.9 |
| 12.5° | 648.8 | 648.9 | 649.0 | 649.2 | 649.3 | 648.8 | 647.9 | 647.0 | 646.1 | 645.1 | 645.9 |
| 15° | 637.1 | 637.3 | 637.5 | 637.6 | 637.7 | 637.3 | 636.3 | 635.2 | 634.3 | 633.3 | 634.1 |
| 17.5° | 622.0 | 622.2 | 622.6 | 622.8 | 623.2 | 622.8 | 621.8 | 620.8 | 619.7 | 618.7 | 619.4 |
| 20° | 611.0 | 611.3 | 611.6 | 611.9 | 612.2 | 611.8 | 610.8 | 609.8 | 608.7 | 607.7 | 608.1 |
| 22.5° | 598.5 | 599.0 | 599.5 | 600.0 | 600.5 | 600.2 | 599.1 | 598.0 | 596.8 | 595.7 | 596.2 |
| 25° | 578.9 | 579.4 | 579.8 | 580.2 | 580.7 | 580.5 | 579.6 | 578.8 | 577.8 | 577.0 | 577.6 |
| 27.5° | 557.2 | 557.8 | 558.5 | 559.1 | 559.8 | 559.6 | 558.6 | 557.7 | 556.6 | 555.7 | 556.0 |
| 30° | 541.0 | 541.9 | 542.8 | 543.6 | 544.5 | 544.5 | 543.6 | 542.8 | 541.9 | 541.0 | 541.3 |
| 32.5° | 526.3 | 527.1 | 527.9 | 528.7 | 529.3 | 529.4 | 528.8 | 528.1 | 527.5 | 526.8 | 527.2 |
| 35° | 501.1 | 502.1 | 503.2 | 504.1 | 505.1 | 505.5 | 505.1 | 504.5 | 504.1 | 503.7 | 504.1 |
| 37.5° | 475.9 | 476.8 | 477.7 | 478.6 | 479.6 | 479.9 | 479.8 | 479.7 | 479.5 | 479.4 | 479.9 |
| 40° | 458.6 | 459.8 | 460.9 | 462.1 | 463.2 | 463.7 | 463.6 | 463.5 | 463.3 | 463.1 | 463.7 |
| 42.5° | 439.7 | 441.3 | 442.7 | 444.3 | 445.8 | 446.7 | 447.0 | 447.4 | 447.6 | 448.0 | 448.7 |
| 45° | 412.8 | 414.4 | 415.9 | 417.6 | 419.2 | 420.3 | 421.1 | 421.8 | 422.5 | 423.3 | 424.3 |
| 47.5° | 385.2 | 386.7 | 388.1 | 389.6 | 391.2 | 392.4 | 393.7 | 394.9 | 396.2 | 397.4 | 399.0 |
| 50° | 366.4 | 367.9 | 369.5 | 371.2 | 372.7 | 374.4 | 375.9 | 377.5 | 379.1 | 380.7 | 382.4 |
| 52.5° | 346.5 | 348.4 | 350.3 | 352.3 | 354.2 | 356.2 | 358.2 | 360.1 | 362.1 | 363.9 | 365.7 |
| 55° | 317.3 | 319.6 | 321.9 | 324.3 | 326.6 | 328.9 | 331.2 | 333.6 | 335.9 | 338.2 | 339.8 |
| 57.5° | 287.5 | 290.2 | 293.0 | 295.8 | 298.6 | 301.4 | 304.0 | 306.7 | 309.4 | 312.0 | 313.8 |
| 60° | 267.6 | 270.4 | 273.4 | 276.3 | 279.2 | 282.1 | 285.0 | 287.9 | 290.8 | 293.7 | 295.9 |
| 62.5° | 248.2 | 251.1 | 254.0 | 256.9 | 259.8 | 262.9 | 266.0 | 269.1 | 272.2 | 275.4 | 277.8 |
| 65° | 218.5 | 221.9 | 225.2 | 228.5 | 231.9 | 235.3 | 238.8 | 242.3 | 245.7 | 249.3 | 251.4 |
| 67.5° | 190.5 | 193.7 | 196.9 | 200.2 | 203.4 | 206.8 | 210.3 | 213.9 | 217.4 | 221.0 | 223.6 |
| 70° | 170.0 | 173.4 | 176.8 | 180.1 | 183.5 | 187.0 | 190.8 | 194.6 | 198.4 | 202.2 | 204.9 |
| 72.5° | 150.2 | 153.7 | 157.1 | 160.6 | 164.0 | 167.8 | 171.9 | 176.1 | 180.2 | 184.3 | 187.4 |
| 75° | 120.4 | 124.2 | 127.9 | 131.7 | 135.5 | 139.7 | 144.4 | 149.0 | 153.7 | 158.3 | 161.2 |
| 77.5° | 91.7 | 96.1 | 100.5 | 104.8 | 109.2 | 113.6 | 118.0 | 122.5 | 127.0 | 131.5 | 134.7 |
| 80° | 74.0 | 78.3 | 82.7 | 87.0 | 91.4 | 96.0 | 101.0 | 105.9 | 110.8 | 115.8 | 119.0 |
| 82.5° | 57.7 | 62.3 | 66.9 | 71.5 | 76.1 | 80.9 | 85.9 | 91.0 | 96.1 | 101.2 | 104.2 |
| 85° | 36.0 | 40.8 | 45.5 | 50.4 | 55.2 | 60.1 | 65.2 | 70.3 | 75.3 | 80.5 | 83.7 |
| 87.5° | 20.7 | 25.7 | 30.7 | 35.8 | 40.8 | 46.0 | 51.3 | 56.6 | 61.9 | 67.2 | 70.8 |
| 90° | 11.6 | 18.3 | 24.9 | 31.5 | 38.1 | 44.8 | 51.5 | 58.1 | 64.8 | 71.5 | 76.1 |
| 92.5° | 36.4 | 42.1 | 47.9 | 53.6 | 59.2 | 65.7 | 72.8 | 80.1 | 87.2 | 94.5 | 99.3 |
| 95° | 81.1 | 85.4 | 89.6 | 93.9 | 98.2 | 104.1 | 111.5 | 118.9 | 126.3 | 133.7 | 138.7 |
| 97.5° | 128.4 | 131.9 | 135.5 | 139.1 | 142.8 | 148.6 | 156.8 | 165.1 | 173.2 | 181.4 | 186.1 |
| 100° | 163.6 | 166.6 | 169.7 | 172.7 | 175.7 | 181.2 | 189.1 | 197.0 | 204.8 | 212.8 | 218.0 |
| 102.5° | 201.5 | 205.3 | 209.1 | 212.9 | 216.7 | 221.7 | 227.9 | 234.0 | 240.2 | 246.4 | 251.8 |
| 105° | 260.5 | 264.1 | 267.7 | 271.2 | 274.8 | 279.5 | 285.3 | 291.2 | 297.0 | 302.9 | 307.3 |
| 107.5° | 325.9 | 329.1 | 332.3 | 335.5 | 338.7 | 343.0 | 348.4 | 353.7 | 359.0 | 364.3 | 367.9 |
| 110° | 370.9 | 373.9 | 376.9 | 379.9 | 382.9 | 386.8 | 391.6 | 396.4 | 401.2 | 406.0 | 409.5 |



TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 417.3 | 419.4 | 421.5 | 423.5 | 425.5 | 429.0 | 433.9 | 438.8 | 443.7 | 448.6 | 451.6 |
| 115° | 485.3 | 487.3 | 489.3 | 491.3 | 493.4 | 496.5 | 500.8 | 505.1 | 509.3 | 513.6 | 515.9 |
| 117.5° | 553.5 | 554.6 | 555.7 | 556.8 | 557.9 | 560.4 | 564.5 | 568.5 | 572.6 | 576.5 | 579.2 |
| 120° | 596.3 | 598.0 | 599.7 | 601.3 | 603.0 | 605.6 | 609.2 | 612.9 | 616.5 | 620.0 | 622.5 |
| 122.5° | 642.2 | 642.9 | 643.6 | 644.2 | 644.9 | 647.1 | 651.0 | 654.9 | 658.8 | 662.6 | 664.8 |
| 125° | 705.2 | 706.5 | 707.8 | 709.1 | 710.5 | 712.7 | 715.9 | 719.0 | 722.2 | 725.4 | 727.2 |
| 127.5° | 771.5 | 772.1 | 772.8 | 773.6 | 774.3 | 775.9 | 778.6 | 781.4 | 784.0 | 786.7 | 788.6 |
| 130° | 811.7 | 812.8 | 813.9 | 814.9 | 816.1 | 817.9 | 820.4 | 822.9 | 825.4 | 828.0 | 829.8 |
| 132.5° | 851.4 | 853.3 | 855.4 | 857.4 | 859.4 | 861.2 | 862.6 | 864.1 | 865.6 | 867.0 | 868.8 |
| 135° | 914.9 | 916.3 | 917.6 | 918.9 | 920.2 | 921.6 | 922.8 | 924.1 | 925.4 | 926.6 | 928.5 |
| 137.5° | 974.7 | 975.9 | 977.2 | 978.6 | 979.9 | 981.1 | 982.1 | 983.2 | 984.2 | 985.2 | 987.3 |
| 140° | 1012.5 | 1013.7 | 1015.0 | 1016.2 | 1017.5 | 1018.6 | 1019.4 | 1020.4 | 1021.2 | 1022.1 | 1024.2 |
| 142.5° | 1050.9 | 1051.9 | 1052.8 | 1053.7 | 1054.6 | 1055.6 | 1056.5 | 1057.6 | 1058.5 | 1059.5 | 1061.2 |
| 145° | 1107.4 | 1108.3 | 1109.1 | 1110.0 | 1110.9 | 1111.6 | 1112.4 | 1113.1 | 1113.9 | 1114.7 | 1115.3 |
| 147.5° | 1159.1 | 1159.6 | 1160.2 | 1160.7 | 1161.2 | 1161.8 | 1162.4 | 1163.0 | 1163.6 | 1164.2 | 1165.0 |
| 150° | 1193.9 | 1193.7 | 1193.4 | 1193.2 | 1192.9 | 1193.3 | 1194.3 | 1195.3 | 1196.3 | 1197.3 | 1197.3 |
| 152.5° | 1222.5 | 1222.9 | 1223.2 | 1223.6 | 1223.9 | 1224.3 | 1224.7 | 1225.0 | 1225.5 | 1225.9 | 1226.5 |
| 155° | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1266.6 | 1266.9 | 1267.1 | 1267.4 | 1267.7 | 1268.6 |
| 157.5° | 1305.8 | 1305.3 | 1304.8 | 1304.2 | 1303.6 | 1303.5 | 1303.7 | 1304.0 | 1304.2 | 1304.5 | 1305.4 |
| 160° | 1329.0 | 1328.4 | 1327.6 | 1326.8 | 1326.1 | 1325.9 | 1326.1 | 1326.4 | 1326.5 | 1326.8 | 1327.8 |
| 162.5° | 1349.6 | 1349.1 | 1348.5 | 1348.0 | 1347.5 | 1347.2 | 1347.2 | 1347.3 | 1347.3 | 1347.4 | 1348.6 |
| 165° | 1377.1 | 1376.6 | 1376.1 | 1375.6 | 1375.1 | 1375.0 | 1375.2 | 1375.4 | 1375.7 | 1376.0 | 1377.0 |
| 167.5° | 1400.3 | 1399.3 | 1398.4 | 1397.3 | 1396.4 | 1395.9 | 1395.9 | 1395.9 | 1395.9 | 1395.9 | 1397.3 |
| 170° | 1412.8 | 1411.9 | 1410.8 | 1409.9 | 1408.9 | 1408.3 | 1408.3 | 1408.3 | 1408.3 | 1408.3 | 1409.9 |
| 172.5° | 1421.8 | 1420.7 | 1419.8 | 1418.8 | 1417.8 | 1417.3 | 1417.3 | 1417.3 | 1417.3 | 1417.3 | 1418.8 |
| 175° | 1431.8 | 1430.8 | 1429.9 | 1428.8 | 1427.9 | 1427.4 | 1427.4 | 1427.4 | 1427.4 | 1427.4 | 1428.8 |
| 177.5° | 1436.9 | 1436.1 | 1435.4 | 1434.6 | 1433.7 | 1433.3 | 1433.0 | 1432.9 | 1432.7 | 1432.4 | 1433.7 |
| 180° | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 |



TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 | 667.3 |
| 2.5° | 665.7 | 666.6 | 667.4 | 667.7 | 667.6 | 667.5 | 667.4 | 667.3 |
| 5° | 663.7 | 664.9 | 666.0 | 666.5 | 666.4 | 666.2 | 666.1 | 666.0 |
| 7.5° | 658.1 | 659.2 | 660.2 | 660.6 | 660.5 | 660.4 | 660.2 | 660.0 |
| 10° | 653.0 | 653.9 | 655.0 | 655.4 | 655.3 | 655.1 | 655.0 | 654.8 |
| 12.5° | 646.7 | 647.5 | 648.3 | 648.5 | 648.1 | 647.7 | 647.4 | 647.0 |
| 15° | 635.0 | 635.8 | 636.7 | 636.9 | 636.3 | 635.7 | 635.2 | 634.6 |
| 17.5° | 620.1 | 620.7 | 621.4 | 621.6 | 621.2 | 620.9 | 620.5 | 620.2 |
| 20° | 608.6 | 609.1 | 609.5 | 609.7 | 609.7 | 609.7 | 609.7 | 609.7 |
| 22.5° | 596.8 | 597.4 | 597.9 | 598.0 | 597.6 | 597.3 | 596.9 | 596.6 |
| 25° | 578.2 | 578.8 | 579.3 | 579.3 | 578.5 | 577.8 | 577.0 | 576.4 |
| 27.5° | 556.5 | 556.9 | 557.3 | 557.3 | 557.1 | 556.8 | 556.6 | 556.3 |
| 30° | 541.6 | 541.9 | 542.2 | 542.3 | 542.1 | 541.9 | 541.8 | 541.7 |
| 32.5° | 527.4 | 527.7 | 528.1 | 528.1 | 528.0 | 527.8 | 527.7 | 527.5 |
| 35° | 504.5 | 505.1 | 505.5 | 505.7 | 505.7 | 505.7 | 505.7 | 505.7 |
| 37.5° | 480.5 | 481.1 | 481.7 | 482.0 | 481.9 | 481.8 | 481.8 | 481.7 |
| 40° | 464.3 | 464.9 | 465.5 | 465.9 | 466.2 | 466.5 | 466.8 | 467.1 |
| 42.5° | 449.4 | 450.0 | 450.7 | 451.2 | 451.3 | 451.3 | 451.3 | 451.4 |
| 45° | 425.2 | 426.3 | 427.3 | 427.9 | 428.1 | 428.2 | 428.3 | 428.5 |
| 47.5° | 400.5 | 401.9 | 403.4 | 404.3 | 404.7 | 404.9 | 405.3 | 405.6 |
| 50° | 383.9 | 385.6 | 387.1 | 388.1 | 388.6 | 389.0 | 389.4 | 389.9 |
| 52.5° | 367.4 | 369.1 | 370.8 | 371.9 | 372.2 | 372.5 | 372.8 | 373.2 |
| 55° | 341.4 | 343.0 | 344.6 | 345.7 | 346.3 | 346.9 | 347.4 | 348.0 |
| 57.5° | 315.7 | 317.5 | 319.3 | 320.5 | 321.0 | 321.4 | 321.8 | 322.3 |
| 60° | 298.1 | 300.2 | 302.5 | 303.8 | 304.2 | 304.6 | 305.1 | 305.5 |
| 62.5° | 280.3 | 282.7 | 285.1 | 286.5 | 287.1 | 287.7 | 288.2 | 288.8 |
| 65° | 253.6 | 255.8 | 258.0 | 259.3 | 259.9 | 260.5 | 261.1 | 261.7 |
| 67.5° | 226.3 | 228.9 | 231.5 | 233.2 | 234.0 | 234.8 | 235.6 | 236.3 |
| 70° | 207.7 | 210.4 | 213.2 | 215.0 | 215.9 | 216.7 | 217.7 | 218.5 |
| 72.5° | 190.4 | 193.3 | 196.3 | 198.1 | 198.8 | 199.4 | 200.1 | 200.7 |
| 75° | 164.1 | 167.0 | 170.0 | 171.8 | 172.5 | 173.2 | 173.9 | 174.7 |
| 77.5° | 137.8 | 141.1 | 144.3 | 146.2 | 146.7 | 147.3 | 147.9 | 148.5 |
| 80° | 122.2 | 125.4 | 128.5 | 130.4 | 131.0 | 131.6 | 132.2 | 132.8 |
| 82.5° | 107.3 | 110.4 | 113.5 | 115.5 | 116.6 | 117.6 | 118.6 | 119.7 |
| 85° | 86.9 | 90.1 | 93.2 | 95.4 | 96.6 | 97.7 | 98.9 | 100.0 |
| 87.5° | 74.3 | 77.9 | 81.5 | 83.9 | 85.1 | 86.3 | 87.4 | 88.6 |
| 90° | 80.7 | 85.2 | 89.9 | 93.0 | 94.8 | 96.5 | 98.3 | 100.0 |
| 92.5° | 104.2 | 109.0 | 113.9 | 117.1 | 118.6 | 120.3 | 121.8 | 123.4 |
| 95° | 143.6 | 148.5 | 153.5 | 156.7 | 158.3 | 159.7 | 161.3 | 162.8 |
| 97.5° | 190.8 | 195.4 | 200.2 | 203.2 | 204.5 | 205.7 | 207.0 | 208.3 |
| 100° | 223.3 | 228.6 | 233.9 | 237.2 | 238.6 | 240.0 | 241.3 | 242.7 |
| 102.5° | 257.1 | 262.5 | 267.9 | 271.3 | 272.9 | 274.5 | 276.0 | 277.6 |
| 105° | 311.7 | 316.1 | 320.5 | 323.6 | 325.4 | 327.1 | 328.9 | 330.6 |
| 107.5° | 371.6 | 375.2 | 378.8 | 381.1 | 381.9 | 382.7 | 383.6 | 384.4 |
| 110° | 413.0 | 416.6 | 420.0 | 422.1 | 422.9 | 423.7 | 424.5 | 425.2 |



TEST NUMBER: P333391-935

CATALOG NUMBER: S125DIW-S610D1340U935-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 454.6 | 457.5 | 460.5 | 462.4 | 463.0 | 463.5 | 464.1 | 464.6 |
| 115° | 518.3 | 520.6 | 523.1 | 524.5 | 525.2 | 525.8 | 526.4 | 527.0 |
| 117.5° | 581.9 | 584.5 | 587.2 | 588.6 | 588.6 | 588.6 | 588.6 | 588.6 |
| 120° | 625.0 | 627.4 | 629.9 | 631.1 | 630.9 | 630.9 | 630.8 | 630.6 |
| 122.5° | 666.9 | 669.1 | 671.2 | 672.4 | 672.4 | 672.5 | 672.6 | 672.7 |
| 125° | 729.0 | 730.8 | 732.7 | 733.8 | 734.3 | 734.8 | 735.3 | 735.7 |
| 127.5° | 790.5 | 792.4 | 794.3 | 795.4 | 795.7 | 796.1 | 796.4 | 796.9 |
| 130° | 831.6 | 833.4 | 835.2 | 836.2 | 836.4 | 836.6 | 836.9 | 837.1 |
| 132.5° | 870.6 | 872.4 | 874.2 | 875.0 | 874.9 | 874.9 | 874.8 | 874.7 |
| 135° | 930.4 | 932.3 | 934.2 | 935.0 | 934.8 | 934.4 | 934.2 | 933.9 |
| 137.5° | 989.3 | 991.3 | 993.3 | 994.0 | 993.3 | 992.6 | 992.0 | 991.4 |
| 140° | 1026.3 | 1028.4 | 1030.5 | 1031.2 | 1030.5 | 1029.9 | 1029.2 | 1028.6 |
| 142.5° | 1062.8 | 1064.5 | 1066.2 | 1066.6 | 1066.0 | 1065.3 | 1064.7 | 1064.0 |
| 145° | 1116.1 | 1116.8 | 1117.5 | 1117.8 | 1117.7 | 1117.5 | 1117.3 | 1117.1 |
| 147.5° | 1165.9 | 1166.7 | 1167.5 | 1167.3 | 1165.8 | 1164.4 | 1163.0 | 1161.5 |
| 150° | 1197.3 | 1197.3 | 1197.3 | 1197.1 | 1196.7 | 1196.4 | 1196.0 | 1195.7 |
| 152.5° | 1227.0 | 1227.6 | 1228.2 | 1228.1 | 1227.3 | 1226.4 | 1225.5 | 1224.7 |
| 155° | 1269.6 | 1270.6 | 1271.6 | 1271.4 | 1270.2 | 1269.0 | 1267.7 | 1266.5 |
| 157.5° | 1306.5 | 1307.4 | 1308.5 | 1308.1 | 1306.5 | 1304.8 | 1303.2 | 1301.6 |
| 160° | 1328.8 | 1329.8 | 1330.8 | 1330.7 | 1329.5 | 1328.2 | 1327.0 | 1325.7 |
| 162.5° | 1349.8 | 1350.9 | 1352.1 | 1352.0 | 1350.6 | 1349.1 | 1347.7 | 1346.3 |
| 165° | 1377.9 | 1379.0 | 1379.9 | 1379.7 | 1378.2 | 1376.7 | 1375.2 | 1373.7 |
| 167.5° | 1398.9 | 1400.3 | 1401.8 | 1401.8 | 1400.2 | 1398.7 | 1397.1 | 1395.6 |
| 170° | 1411.4 | 1412.8 | 1414.3 | 1414.2 | 1412.5 | 1410.7 | 1408.9 | 1407.2 |
| 172.5° | 1420.3 | 1421.8 | 1423.2 | 1423.2 | 1421.7 | 1420.1 | 1418.6 | 1417.0 |
| 175° | 1430.3 | 1431.8 | 1433.3 | 1433.1 | 1431.4 | 1429.7 | 1428.0 | 1426.2 |
| 177.5° | 1434.9 | 1436.1 | 1437.3 | 1437.2 | 1435.7 | 1434.3 | 1433.0 | 1431.6 |
| 180° | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 | 1435.2 |

(END OF REPORT)