

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: P333372-830

Luminaire Tested: **S125DIW-S610D470U830-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333372-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S610D470U830-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4030.0 lumens
Efficiency: N/A
Efficacy: 133.4 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: General Diffuse

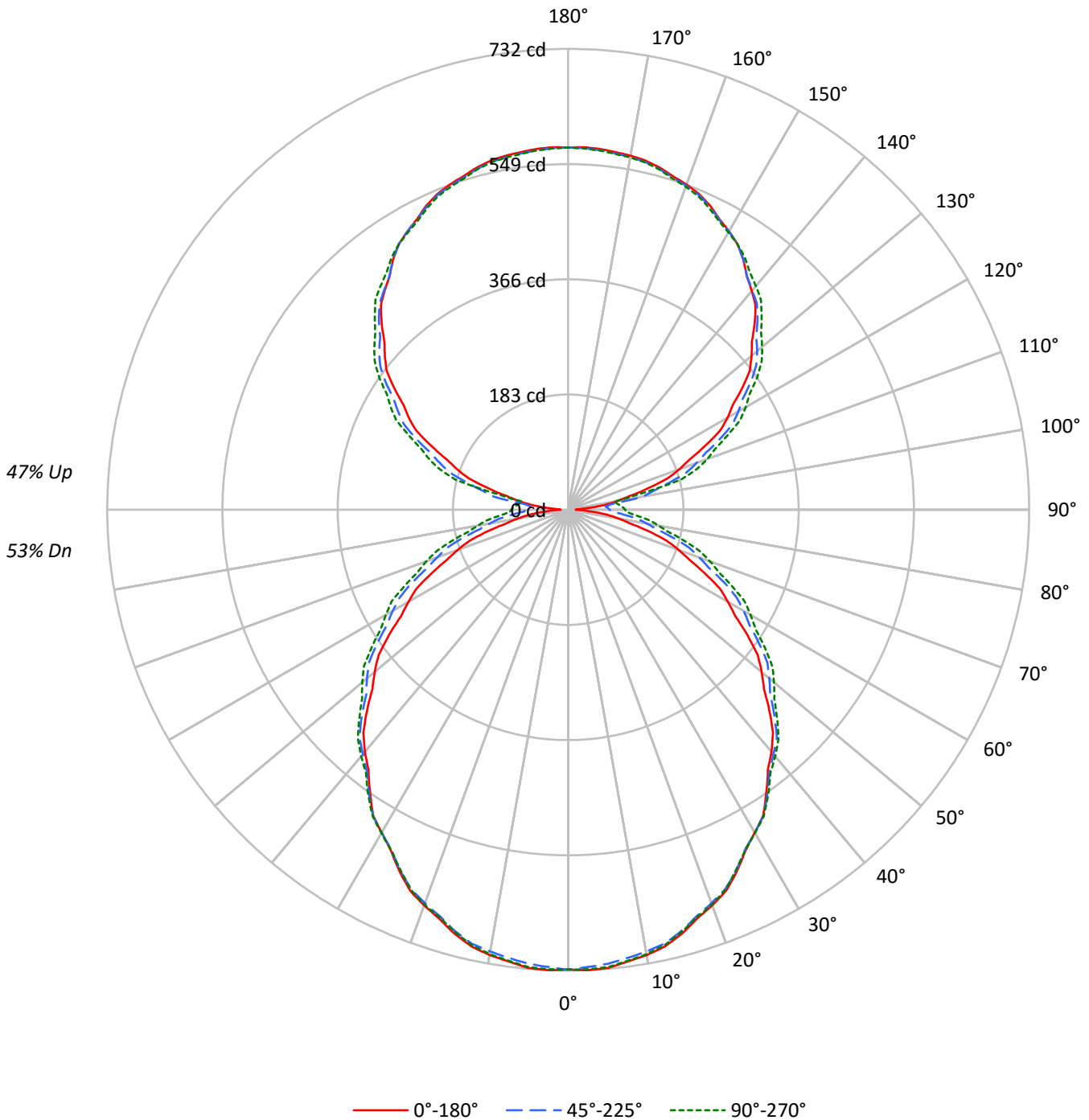
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

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 | 59 | 59 | 59 | 53 |
| 1 | 98 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 73 | 71 | 68 | 61 | 60 | 58 | 51 | 49 | 48 | 43 |
| 2 | 89 | 81 | 74 | 69 | 82 | 75 | 69 | 64 | 64 | 59 | 56 | 54 | 50 | 48 | 44 | 42 | 40 | 35 |
| 3 | 81 | 71 | 63 | 57 | 74 | 66 | 59 | 53 | 56 | 51 | 47 | 47 | 43 | 40 | 39 | 36 | 34 | 29 |
| 4 | 74 | 62 | 54 | 48 | 68 | 58 | 51 | 45 | 50 | 44 | 39 | 42 | 37 | 34 | 35 | 31 | 29 | 25 |
| 5 | 68 | 56 | 47 | 41 | 62 | 52 | 44 | 39 | 44 | 38 | 34 | 37 | 33 | 29 | 31 | 28 | 25 | 22 |
| 6 | 62 | 50 | 41 | 35 | 57 | 46 | 39 | 33 | 40 | 34 | 29 | 34 | 29 | 26 | 28 | 25 | 22 | 19 |
| 7 | 57 | 45 | 37 | 31 | 53 | 42 | 34 | 29 | 36 | 30 | 26 | 31 | 26 | 23 | 26 | 22 | 19 | 17 |
| 8 | 53 | 41 | 33 | 27 | 49 | 38 | 31 | 26 | 33 | 27 | 23 | 28 | 23 | 20 | 24 | 20 | 17 | 15 |
| 9 | 50 | 37 | 29 | 24 | 46 | 35 | 28 | 23 | 30 | 24 | 21 | 26 | 21 | 18 | 22 | 18 | 16 | 13 |
| 10 | 46 | 34 | 27 | 22 | 43 | 32 | 25 | 21 | 28 | 22 | 18 | 24 | 19 | 16 | 20 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4718 | 4718 | 4718 |
| 5° | 4727 | 4630 | 4645 |
| 10° | 4693 | 4548 | 4541 |
| 15° | 4638 | 4449 | 4409 |
| 20° | 4562 | 4326 | 4276 |
| 25° | 4473 | 4195 | 4112 |
| 30° | 4364 | 4051 | 3964 |
| 35° | 4263 | 3919 | 3829 |
| 40° | 4160 | 3779 | 3691 |
| 45° | 4043 | 3661 | 3570 |
| 50° | 3932 | 3531 | 3463 |
| 55° | 3798 | 3408 | 3337 |
| 60° | 3652 | 3269 | 3208 |
| 65° | 3499 | 3124 | 3063 |
| 70° | 3326 | 2924 | 2915 |
| 75° | 3052 | 2732 | 2732 |
| 80° | 2694 | 2501 | 2532 |
| 85° | 2358 | 2344 | 2469 |



TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.1 | 1.7 |
| 10°-20° | 196.1 | 4.9 |
| 20°-30° | 291.6 | 7.2 |
| 30°-40° | 345.4 | 8.6 |
| 40°-50° | 357.1 | 8.9 |
| 50°-60° | 329.0 | 8.2 |
| 60°-70° | 265.9 | 6.6 |
| 70°-80° | 178.1 | 4.4 |
| 80°-90° | 93.6 | 2.3 |
| 90°-100° | 72.7 | 1.8 |
| 100°-110° | 167.0 | 4.1 |
| 110°-120° | 259.3 | 6.4 |
| 120°-130° | 314.4 | 7.8 |
| 130°-140° | 328.9 | 8.2 |
| 140°-150° | 304.0 | 7.5 |
| 150°-160° | 244.9 | 6.1 |
| 160°-170° | 158.4 | 3.9 |
| 170°-180° | 54.6 | 1.4 |
| 0°-30° | 556.7 | 13.8 |
| 0°-40° | 902.2 | 22.4 |
| 0°-60° | 1588.2 | 39.4 |
| 0°-90° | 2125.8 | 52.7 |
| 90°-120° | 499.0 | 12.4 |
| 90°-150° | 1446.3 | 35.9 |
| 90°-180° | 1904.0 | 47.2 |
| 0°-180° | 4030.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 730 | 730 | 730 | 730 | 730 | |
| 5° | 730 | 729 | 724 | 729 | 729 | 69 |
| 15° | 698 | 698 | 693 | 697 | 695 | 196 |
| 25° | 634 | 636 | 632 | 634 | 631 | 292 |
| 35° | 549 | 553 | 551 | 554 | 554 | 343 |
| 45° | 452 | 460 | 463 | 468 | 469 | 349 |
| 55° | 347 | 359 | 370 | 378 | 381 | 310 |
| 65° | 239 | 256 | 273 | 283 | 286 | 237 |
| 75° | 132 | 151 | 173 | 187 | 191 | 140 |
| 85° | 39 | 63 | 88 | 103 | 110 | 42 |
| 90° | 12 | 38 | 66 | 83 | 90 | 9 |
| 95° | 34 | 50 | 59 | 76 | 82 | 38 |
| 105° | 132 | 145 | 166 | 180 | 185 | 140 |
| 115° | 240 | 247 | 266 | 276 | 279 | 238 |
| 125° | 338 | 341 | 354 | 364 | 366 | 301 |
| 135° | 419 | 421 | 425 | 433 | 434 | 323 |
| 145° | 485 | 485 | 485 | 489 | 489 | 303 |
| 155° | 533 | 531 | 531 | 532 | 529 | 245 |
| 165° | 562 | 560 | 560 | 563 | 559 | 159 |
| 175° | 575 | 573 | 573 | 576 | 573 | 55 |
| 180° | 575 | 575 | 575 | 575 | 575 | |



TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 |
| 2.5° | 732.2 | 731.9 | 731.7 | 731.4 | 731.1 | 730.6 | 729.7 | 728.8 | 727.9 | 727.0 | 727.9 |
| 5° | 730.5 | 730.1 | 729.8 | 729.5 | 729.2 | 728.5 | 727.4 | 726.2 | 725.1 | 724.0 | 725.3 |
| 7.5° | 724.0 | 723.9 | 723.8 | 723.6 | 723.5 | 722.8 | 721.7 | 720.6 | 719.4 | 718.3 | 719.3 |
| 10° | 718.3 | 718.3 | 718.3 | 718.3 | 718.3 | 717.7 | 716.3 | 715.1 | 713.8 | 712.6 | 713.7 |
| 12.5° | 710.3 | 710.4 | 710.5 | 710.7 | 710.8 | 710.3 | 709.3 | 708.3 | 707.3 | 706.2 | 707.1 |
| 15° | 697.5 | 697.7 | 697.9 | 698.0 | 698.1 | 697.7 | 696.5 | 695.4 | 694.4 | 693.2 | 694.2 |
| 17.5° | 680.9 | 681.2 | 681.6 | 681.8 | 682.2 | 681.7 | 680.7 | 679.6 | 678.4 | 677.3 | 678.1 |
| 20° | 668.8 | 669.2 | 669.5 | 669.9 | 670.1 | 669.8 | 668.6 | 667.5 | 666.4 | 665.2 | 665.7 |
| 22.5° | 655.2 | 655.7 | 656.3 | 656.9 | 657.4 | 657.0 | 655.8 | 654.6 | 653.4 | 652.1 | 652.7 |
| 25° | 633.8 | 634.2 | 634.7 | 635.2 | 635.7 | 635.5 | 634.5 | 633.6 | 632.5 | 631.6 | 632.3 |
| 27.5° | 610.0 | 610.7 | 611.4 | 612.1 | 612.8 | 612.7 | 611.5 | 610.5 | 609.4 | 608.3 | 608.7 |
| 30° | 592.2 | 593.2 | 594.2 | 595.1 | 596.1 | 596.1 | 595.1 | 594.2 | 593.2 | 592.2 | 592.6 |
| 32.5° | 576.2 | 577.0 | 577.9 | 578.7 | 579.5 | 579.6 | 578.9 | 578.2 | 577.5 | 576.7 | 577.1 |
| 35° | 548.6 | 549.7 | 550.8 | 551.9 | 553.0 | 553.4 | 552.9 | 552.3 | 551.9 | 551.4 | 551.9 |
| 37.5° | 520.9 | 522.0 | 522.9 | 524.0 | 525.0 | 525.4 | 525.3 | 525.1 | 524.9 | 524.8 | 525.4 |
| 40° | 502.0 | 503.3 | 504.5 | 505.9 | 507.1 | 507.7 | 507.5 | 507.4 | 507.2 | 507.0 | 507.7 |
| 42.5° | 481.4 | 483.1 | 484.7 | 486.4 | 488.0 | 489.0 | 489.4 | 489.7 | 490.0 | 490.4 | 491.2 |
| 45° | 451.9 | 453.6 | 455.3 | 457.1 | 458.9 | 460.1 | 461.0 | 461.8 | 462.5 | 463.4 | 464.5 |
| 47.5° | 421.7 | 423.3 | 424.9 | 426.5 | 428.2 | 429.6 | 431.0 | 432.3 | 433.8 | 435.1 | 436.8 |
| 50° | 401.1 | 402.7 | 404.5 | 406.3 | 408.0 | 409.8 | 411.5 | 413.3 | 415.0 | 416.8 | 418.6 |
| 52.5° | 379.3 | 381.4 | 383.5 | 385.7 | 387.8 | 389.9 | 392.1 | 394.2 | 396.3 | 398.4 | 400.3 |
| 55° | 347.3 | 349.9 | 352.4 | 355.0 | 357.5 | 360.1 | 362.6 | 365.1 | 367.7 | 370.2 | 372.0 |
| 57.5° | 314.7 | 317.7 | 320.7 | 323.9 | 326.9 | 329.9 | 332.8 | 335.7 | 338.7 | 341.6 | 343.6 |
| 60° | 292.9 | 296.1 | 299.3 | 302.5 | 305.7 | 308.8 | 312.0 | 315.2 | 318.4 | 321.5 | 324.0 |
| 62.5° | 271.7 | 274.8 | 278.1 | 281.3 | 284.5 | 287.8 | 291.2 | 294.6 | 298.0 | 301.5 | 304.2 |
| 65° | 239.2 | 242.9 | 246.5 | 250.2 | 253.8 | 257.6 | 261.4 | 265.2 | 269.0 | 272.9 | 275.2 |
| 67.5° | 208.6 | 212.1 | 215.6 | 219.1 | 222.6 | 226.4 | 230.3 | 234.1 | 238.0 | 242.0 | 244.8 |
| 70° | 186.2 | 189.8 | 193.5 | 197.2 | 200.9 | 204.7 | 208.9 | 213.0 | 217.2 | 221.3 | 224.3 |
| 72.5° | 164.4 | 168.2 | 172.0 | 175.8 | 179.6 | 183.7 | 188.2 | 192.7 | 197.3 | 201.8 | 205.1 |
| 75° | 131.8 | 135.9 | 140.1 | 144.2 | 148.4 | 153.0 | 158.1 | 163.2 | 168.2 | 173.3 | 176.4 |
| 77.5° | 100.4 | 105.2 | 110.0 | 114.7 | 119.5 | 124.3 | 129.2 | 134.1 | 139.0 | 143.9 | 147.4 |
| 80° | 81.0 | 85.7 | 90.5 | 95.3 | 100.0 | 105.1 | 110.6 | 115.9 | 121.3 | 126.8 | 130.3 |
| 82.5° | 63.2 | 68.1 | 73.2 | 78.2 | 83.3 | 88.6 | 94.1 | 99.6 | 105.2 | 110.7 | 114.0 |
| 85° | 39.4 | 44.7 | 49.9 | 55.1 | 60.4 | 65.8 | 71.4 | 76.9 | 82.5 | 88.1 | 91.6 |
| 87.5° | 22.4 | 27.7 | 32.9 | 38.2 | 43.5 | 48.8 | 54.4 | 59.9 | 65.4 | 71.0 | 74.7 |
| 90° | 11.9 | 17.7 | 23.6 | 29.4 | 35.3 | 41.3 | 47.3 | 53.4 | 59.5 | 65.5 | 69.7 |
| 92.5° | 16.9 | 21.0 | 25.3 | 29.4 | 33.6 | 38.7 | 44.9 | 51.0 | 57.1 | 63.2 | 67.3 |
| 95° | 33.6 | 37.5 | 41.3 | 45.1 | 49.0 | 51.8 | 53.6 | 55.5 | 57.3 | 59.1 | 63.1 |
| 97.5° | 59.2 | 63.4 | 67.7 | 71.9 | 76.2 | 77.3 | 75.4 | 73.5 | 71.5 | 69.7 | 70.3 |
| 100° | 79.1 | 82.8 | 86.3 | 89.9 | 93.6 | 98.1 | 103.6 | 109.1 | 114.5 | 120.0 | 109.2 |
| 102.5° | 99.3 | 102.7 | 106.2 | 109.6 | 113.1 | 117.4 | 122.6 | 127.8 | 133.0 | 138.2 | 138.7 |
| 105° | 131.8 | 134.7 | 137.6 | 140.6 | 143.5 | 147.3 | 152.1 | 156.9 | 161.6 | 166.5 | 169.7 |
| 107.5° | 165.6 | 167.8 | 169.9 | 172.1 | 174.2 | 177.7 | 182.5 | 187.3 | 192.0 | 196.8 | 199.9 |
| 110° | 187.5 | 189.5 | 191.3 | 193.2 | 195.1 | 198.4 | 203.1 | 207.7 | 212.4 | 217.0 | 219.7 |



TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 208.7 | 210.4 | 212.2 | 214.0 | 215.7 | 218.8 | 223.2 | 227.6 | 232.1 | 236.6 | 239.1 |
| 115° | 239.7 | 241.3 | 242.8 | 244.4 | 246.0 | 248.9 | 253.2 | 257.4 | 261.6 | 265.9 | 268.3 |
| 117.5° | 271.8 | 272.5 | 273.2 | 273.9 | 274.7 | 277.1 | 281.4 | 285.7 | 289.9 | 294.3 | 296.4 |
| 120° | 292.3 | 292.7 | 293.0 | 293.4 | 293.8 | 296.0 | 299.9 | 303.9 | 307.7 | 311.7 | 314.2 |
| 122.5° | 309.7 | 310.4 | 310.9 | 311.5 | 312.1 | 314.2 | 317.9 | 321.5 | 325.2 | 328.9 | 331.3 |
| 125° | 337.6 | 338.1 | 338.6 | 339.1 | 339.6 | 341.5 | 344.6 | 347.8 | 351.0 | 354.2 | 356.4 |
| 127.5° | 363.5 | 363.9 | 364.2 | 364.5 | 364.9 | 366.3 | 368.8 | 371.4 | 373.9 | 376.5 | 378.6 |
| 130° | 379.9 | 380.2 | 380.6 | 380.9 | 381.2 | 382.5 | 384.8 | 387.2 | 389.5 | 391.8 | 393.8 |
| 132.5° | 395.8 | 396.2 | 396.8 | 397.3 | 397.8 | 398.8 | 400.3 | 401.8 | 403.3 | 404.8 | 407.1 |
| 135° | 418.9 | 419.2 | 419.7 | 420.1 | 420.6 | 421.2 | 422.1 | 423.0 | 424.0 | 424.9 | 426.8 |
| 137.5° | 440.2 | 440.5 | 440.8 | 441.2 | 441.6 | 442.0 | 442.3 | 442.7 | 443.1 | 443.5 | 445.4 |
| 140° | 453.6 | 453.7 | 453.9 | 454.1 | 454.3 | 454.4 | 454.5 | 454.6 | 454.6 | 454.7 | 456.7 |
| 142.5° | 466.2 | 466.2 | 466.2 | 466.1 | 466.1 | 466.2 | 466.4 | 466.6 | 466.7 | 466.8 | 468.3 |
| 145° | 484.7 | 484.7 | 484.7 | 484.7 | 484.8 | 484.8 | 484.8 | 484.8 | 484.8 | 484.8 | 485.7 |
| 147.5° | 500.2 | 500.1 | 500.1 | 500.0 | 500.0 | 500.0 | 500.2 | 500.3 | 500.4 | 500.5 | 500.9 |
| 150° | 510.4 | 510.2 | 510.0 | 509.8 | 509.6 | 509.6 | 509.8 | 510.0 | 510.2 | 510.4 | 510.6 |
| 152.5° | 520.3 | 519.9 | 519.4 | 519.1 | 518.6 | 518.5 | 518.7 | 518.9 | 519.1 | 519.2 | 519.4 |
| 155° | 533.0 | 532.4 | 531.9 | 531.3 | 530.7 | 530.6 | 530.7 | 530.9 | 531.1 | 531.3 | 531.6 |
| 157.5° | 542.8 | 542.4 | 542.2 | 541.8 | 541.4 | 541.3 | 541.3 | 541.3 | 541.3 | 541.4 | 541.7 |
| 160° | 549.6 | 549.0 | 548.5 | 547.9 | 547.3 | 547.1 | 547.2 | 547.3 | 547.4 | 547.5 | 547.9 |
| 162.5° | 555.1 | 554.5 | 553.9 | 553.4 | 552.8 | 552.6 | 552.7 | 552.8 | 552.9 | 553.0 | 553.5 |
| 165° | 562.4 | 561.8 | 561.3 | 560.7 | 560.2 | 559.9 | 560.0 | 560.1 | 560.2 | 560.2 | 560.8 |
| 167.5° | 567.9 | 567.3 | 566.8 | 566.1 | 565.5 | 565.2 | 565.3 | 565.4 | 565.5 | 565.6 | 566.4 |
| 170° | 571.0 | 570.3 | 569.6 | 568.9 | 568.3 | 568.0 | 568.1 | 568.2 | 568.3 | 568.4 | 569.1 |
| 172.5° | 573.0 | 572.3 | 571.7 | 571.0 | 570.3 | 570.1 | 570.2 | 570.4 | 570.6 | 570.8 | 571.5 |
| 175° | 575.2 | 574.7 | 574.1 | 573.5 | 573.0 | 572.7 | 572.8 | 572.9 | 573.0 | 573.1 | 573.8 |
| 177.5° | 576.3 | 575.8 | 575.3 | 574.9 | 574.4 | 574.2 | 574.3 | 574.4 | 574.5 | 574.6 | 575.0 |
| 180° | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 |



TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 | 730.5 |
| 2.5° | 728.8 | 729.7 | 730.6 | 730.9 | 730.8 | 730.8 | 730.6 | 730.5 |
| 5° | 726.5 | 727.8 | 729.1 | 729.6 | 729.5 | 729.3 | 729.2 | 729.1 |
| 7.5° | 720.5 | 721.6 | 722.7 | 723.2 | 723.0 | 722.9 | 722.7 | 722.6 |
| 10° | 714.8 | 715.9 | 717.0 | 717.5 | 717.4 | 717.2 | 717.0 | 716.8 |
| 12.5° | 707.9 | 708.8 | 709.7 | 709.9 | 709.5 | 709.1 | 708.7 | 708.2 |
| 15° | 695.1 | 696.1 | 697.0 | 697.2 | 696.5 | 695.9 | 695.3 | 694.7 |
| 17.5° | 678.8 | 679.5 | 680.2 | 680.4 | 680.0 | 679.7 | 679.3 | 678.9 |
| 20° | 666.3 | 666.8 | 667.2 | 667.4 | 667.4 | 667.4 | 667.4 | 667.4 |
| 22.5° | 653.3 | 653.9 | 654.5 | 654.6 | 654.2 | 653.8 | 653.5 | 653.1 |
| 25° | 632.9 | 633.6 | 634.1 | 634.1 | 633.3 | 632.5 | 631.7 | 630.9 |
| 27.5° | 609.2 | 609.6 | 610.1 | 610.1 | 609.8 | 609.5 | 609.3 | 609.0 |
| 30° | 592.9 | 593.2 | 593.5 | 593.6 | 593.4 | 593.2 | 593.1 | 593.0 |
| 32.5° | 577.4 | 577.7 | 578.1 | 578.2 | 578.0 | 577.8 | 577.7 | 577.5 |
| 35° | 552.3 | 552.9 | 553.4 | 553.6 | 553.6 | 553.6 | 553.6 | 553.6 |
| 37.5° | 526.0 | 526.7 | 527.4 | 527.6 | 527.5 | 527.4 | 527.4 | 527.4 |
| 40° | 508.3 | 509.0 | 509.5 | 510.0 | 510.4 | 510.7 | 511.0 | 511.3 |
| 42.5° | 491.9 | 492.7 | 493.4 | 493.9 | 494.0 | 494.0 | 494.1 | 494.2 |
| 45° | 465.5 | 466.7 | 467.8 | 468.4 | 468.6 | 468.7 | 468.9 | 469.1 |
| 47.5° | 438.4 | 440.0 | 441.6 | 442.6 | 443.0 | 443.3 | 443.7 | 444.0 |
| 50° | 420.3 | 422.1 | 423.8 | 424.9 | 425.4 | 425.8 | 426.3 | 426.8 |
| 52.5° | 402.2 | 404.1 | 406.0 | 407.1 | 407.5 | 407.7 | 408.1 | 408.5 |
| 55° | 373.7 | 375.5 | 377.2 | 378.4 | 379.1 | 379.8 | 380.3 | 381.0 |
| 57.5° | 345.6 | 347.6 | 349.6 | 350.8 | 351.4 | 351.9 | 352.3 | 352.8 |
| 60° | 326.3 | 328.7 | 331.1 | 332.5 | 333.0 | 333.5 | 333.9 | 334.4 |
| 62.5° | 306.8 | 309.4 | 312.1 | 313.7 | 314.2 | 314.9 | 315.5 | 316.1 |
| 65° | 277.6 | 280.0 | 282.4 | 283.9 | 284.6 | 285.2 | 285.8 | 286.4 |
| 67.5° | 247.7 | 250.6 | 253.4 | 255.3 | 256.2 | 257.0 | 257.9 | 258.6 |
| 70° | 227.3 | 230.4 | 233.4 | 235.4 | 236.3 | 237.2 | 238.3 | 239.2 |
| 72.5° | 208.4 | 211.6 | 214.9 | 216.9 | 217.6 | 218.3 | 219.0 | 219.7 |
| 75° | 179.6 | 182.9 | 186.1 | 188.0 | 188.8 | 189.6 | 190.4 | 191.2 |
| 77.5° | 150.9 | 154.5 | 158.0 | 160.0 | 160.6 | 161.3 | 161.9 | 162.6 |
| 80° | 133.7 | 137.2 | 140.7 | 142.8 | 143.5 | 144.1 | 144.8 | 145.3 |
| 82.5° | 117.4 | 120.8 | 124.2 | 126.5 | 127.6 | 128.8 | 129.9 | 131.0 |
| 85° | 95.1 | 98.6 | 102.1 | 104.4 | 105.8 | 107.0 | 108.3 | 109.5 |
| 87.5° | 78.5 | 82.3 | 86.0 | 88.4 | 89.6 | 90.8 | 92.0 | 93.1 |
| 90° | 73.8 | 77.9 | 82.1 | 84.8 | 86.2 | 87.7 | 89.1 | 90.5 |
| 92.5° | 71.3 | 75.3 | 79.3 | 81.9 | 83.1 | 84.4 | 85.7 | 86.9 |
| 95° | 67.0 | 71.1 | 75.0 | 77.6 | 78.7 | 79.7 | 80.9 | 82.0 |
| 97.5° | 71.0 | 71.7 | 72.4 | 73.2 | 74.3 | 75.4 | 76.4 | 77.6 |
| 100° | 98.5 | 87.7 | 76.9 | 71.8 | 72.4 | 73.0 | 73.5 | 74.1 |
| 102.5° | 139.3 | 139.9 | 140.3 | 137.9 | 132.4 | 127.0 | 121.4 | 115.9 |
| 105° | 172.9 | 176.0 | 179.2 | 181.3 | 182.3 | 183.3 | 184.4 | 185.4 |
| 107.5° | 203.1 | 206.3 | 209.4 | 211.4 | 212.1 | 212.8 | 213.5 | 214.2 |
| 110° | 222.5 | 225.3 | 228.0 | 230.0 | 231.1 | 232.3 | 233.6 | 234.8 |



TEST NUMBER: P333372-830

CATALOG NUMBER: S125DIW-S610D470U830-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 241.7 | 244.1 | 246.7 | 248.5 | 249.4 | 250.4 | 251.4 | 252.4 |
| 115° | 270.8 | 273.3 | 275.8 | 277.2 | 277.6 | 278.1 | 278.4 | 278.8 |
| 117.5° | 298.7 | 300.9 | 303.1 | 304.6 | 305.5 | 306.3 | 307.1 | 307.9 |
| 120° | 316.8 | 319.2 | 321.8 | 323.3 | 323.8 | 324.2 | 324.7 | 325.2 |
| 122.5° | 333.7 | 336.0 | 338.5 | 339.8 | 340.3 | 340.6 | 341.0 | 341.5 |
| 125° | 358.5 | 360.7 | 362.9 | 364.2 | 364.7 | 365.2 | 365.7 | 366.3 |
| 127.5° | 380.8 | 383.0 | 385.0 | 386.3 | 386.4 | 386.7 | 386.9 | 387.1 |
| 130° | 395.7 | 397.7 | 399.5 | 400.7 | 401.1 | 401.3 | 401.7 | 402.0 |
| 132.5° | 409.3 | 411.4 | 413.6 | 414.7 | 414.9 | 415.1 | 415.3 | 415.5 |
| 135° | 428.7 | 430.6 | 432.4 | 433.5 | 433.7 | 433.9 | 434.1 | 434.3 |
| 137.5° | 447.3 | 449.2 | 451.1 | 452.1 | 452.3 | 452.4 | 452.6 | 452.7 |
| 140° | 458.5 | 460.5 | 462.4 | 463.4 | 463.5 | 463.6 | 463.6 | 463.7 |
| 142.5° | 470.0 | 471.5 | 473.0 | 473.8 | 473.8 | 473.9 | 474.0 | 474.1 |
| 145° | 486.6 | 487.5 | 488.4 | 488.9 | 488.9 | 489.0 | 489.1 | 489.1 |
| 147.5° | 501.2 | 501.6 | 502.0 | 502.0 | 501.5 | 501.1 | 500.8 | 500.4 |
| 150° | 510.8 | 511.0 | 511.1 | 511.0 | 510.4 | 509.7 | 509.2 | 508.6 |
| 152.5° | 519.6 | 519.8 | 520.0 | 519.8 | 519.2 | 518.5 | 517.8 | 517.2 |
| 155° | 531.9 | 532.2 | 532.4 | 532.2 | 531.4 | 530.7 | 529.9 | 529.1 |
| 157.5° | 542.0 | 542.2 | 542.5 | 542.3 | 541.6 | 540.8 | 540.1 | 539.3 |
| 160° | 548.3 | 548.7 | 549.0 | 548.8 | 548.1 | 547.3 | 546.6 | 545.8 |
| 162.5° | 554.0 | 554.6 | 555.1 | 555.0 | 554.1 | 553.3 | 552.4 | 551.6 |
| 165° | 561.5 | 562.0 | 562.6 | 562.5 | 561.8 | 560.9 | 560.2 | 559.4 |
| 167.5° | 567.0 | 567.7 | 568.4 | 568.4 | 567.4 | 566.6 | 565.7 | 564.9 |
| 170° | 569.9 | 570.7 | 571.5 | 571.4 | 570.5 | 569.7 | 568.8 | 568.0 |
| 172.5° | 572.1 | 572.8 | 573.5 | 573.4 | 572.6 | 571.7 | 570.9 | 570.0 |
| 175° | 574.6 | 575.3 | 576.1 | 576.1 | 575.2 | 574.4 | 573.5 | 572.7 |
| 177.5° | 575.6 | 576.1 | 576.6 | 576.6 | 576.0 | 575.4 | 574.8 | 574.2 |
| 180° | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 | 575.2 |

(END OF REPORT)