

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: P333409-930

Luminaire Tested: **S125DIW-S850D770U930-4F0-1E-UDD-D1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333409-930
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-S850D770U930-4F0-1E-UDD-D1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4847.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: General Diffuse

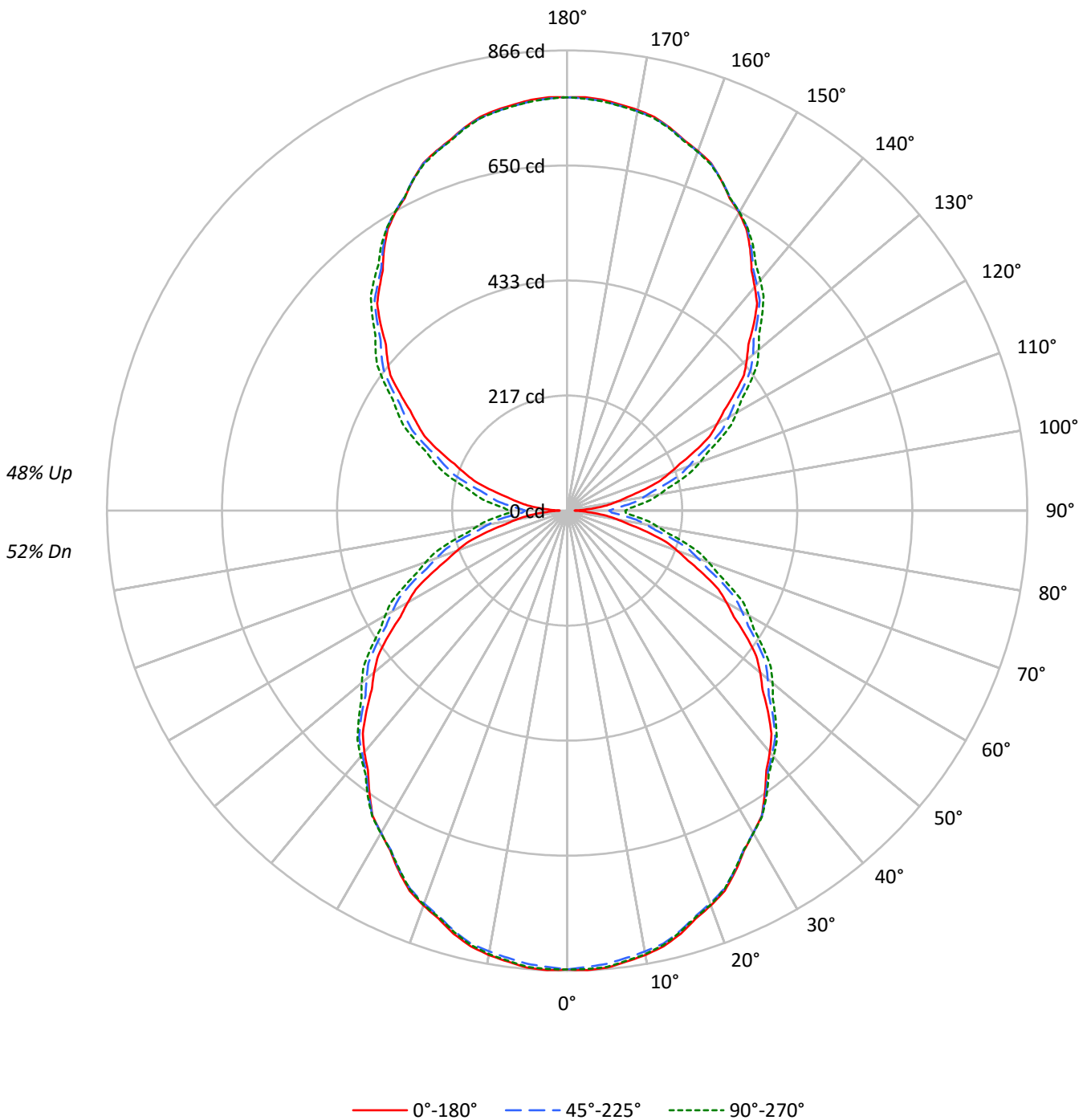
Input Watts (W): 45
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-UDD-D1

Luminous Intensity Polar Plot





TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-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 | 108 | 108 | 108 | 108 | 99 | 99 | 99 | 99 | 84 | 84 | 84 | 71 | 71 | 71 | 58 | 58 | 58 | 52 |
| 1 | 97 | 93 | 89 | 85 | 90 | 86 | 82 | 79 | 73 | 70 | 68 | 61 | 59 | 57 | 50 | 49 | 47 | 42 |
| 2 | 88 | 81 | 74 | 69 | 81 | 75 | 69 | 64 | 63 | 59 | 55 | 53 | 50 | 47 | 43 | 41 | 39 | 35 |
| 3 | 80 | 71 | 63 | 57 | 74 | 65 | 59 | 53 | 56 | 50 | 46 | 47 | 43 | 40 | 38 | 35 | 33 | 29 |
| 4 | 73 | 62 | 54 | 48 | 68 | 58 | 51 | 45 | 49 | 44 | 39 | 41 | 37 | 34 | 34 | 31 | 28 | 25 |
| 5 | 67 | 55 | 47 | 41 | 62 | 51 | 44 | 38 | 44 | 38 | 34 | 37 | 33 | 29 | 31 | 27 | 25 | 21 |
| 6 | 62 | 50 | 41 | 35 | 57 | 46 | 39 | 33 | 40 | 34 | 29 | 33 | 29 | 25 | 28 | 24 | 21 | 19 |
| 7 | 57 | 45 | 37 | 31 | 53 | 42 | 34 | 29 | 36 | 30 | 26 | 30 | 26 | 22 | 25 | 22 | 19 | 16 |
| 8 | 53 | 41 | 33 | 27 | 49 | 38 | 31 | 26 | 33 | 27 | 23 | 28 | 23 | 20 | 23 | 20 | 17 | 15 |
| 9 | 50 | 37 | 29 | 24 | 46 | 35 | 28 | 23 | 30 | 24 | 20 | 26 | 21 | 18 | 21 | 18 | 15 | 13 |
| 10 | 46 | 34 | 27 | 22 | 43 | 32 | 25 | 21 | 28 | 22 | 18 | 24 | 19 | 16 | 20 | 16 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 5577 | 5577 | 5577 |
| 5° | 5589 | 5475 | 5492 |
| 10° | 5549 | 5377 | 5369 |
| 15° | 5484 | 5260 | 5212 |
| 20° | 5394 | 5115 | 5055 |
| 25° | 5288 | 4960 | 4863 |
| 30° | 5160 | 4791 | 4687 |
| 35° | 5040 | 4634 | 4526 |
| 40° | 4918 | 4469 | 4364 |
| 45° | 4780 | 4328 | 4221 |
| 50° | 4649 | 4175 | 4095 |
| 55° | 4491 | 4030 | 3946 |
| 60° | 4317 | 3865 | 3793 |
| 65° | 4137 | 3693 | 3622 |
| 70° | 3931 | 3457 | 3446 |
| 75° | 3607 | 3230 | 3231 |
| 80° | 3183 | 2957 | 2996 |
| 85° | 2789 | 2770 | 2923 |



TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-UDD-D1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.7 | 1.7 |
| 10°-20° | 231.8 | 4.8 |
| 20°-30° | 344.8 | 7.1 |
| 30°-40° | 408.4 | 8.4 |
| 40°-50° | 422.2 | 8.7 |
| 50°-60° | 389.0 | 8.0 |
| 60°-70° | 314.4 | 6.5 |
| 70°-80° | 210.6 | 4.3 |
| 80°-90° | 110.9 | 2.3 |
| 90°-100° | 113.4 | 2.3 |
| 100°-110° | 199.0 | 4.1 |
| 110°-120° | 290.8 | 6.0 |
| 120°-130° | 360.1 | 7.4 |
| 130°-140° | 391.7 | 8.1 |
| 140°-150° | 378.1 | 7.8 |
| 150°-160° | 316.3 | 6.5 |
| 160°-170° | 210.2 | 4.3 |
| 170°-180° | 73.6 | 1.5 |
| 0°-30° | 658.3 | 13.6 |
| 0°-40° | 1066.7 | 22.0 |
| 0°-60° | 1877.9 | 38.7 |
| 0°-90° | 2513.8 | 51.9 |
| 90°-120° | 603.2 | 12.4 |
| 90°-150° | 1733.1 | 35.8 |
| 90°-180° | 2333.0 | 48.1 |
| 0°-180° | 4847.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 864 | 864 | 864 | 864 | 864 | |
| 5° | 864 | 862 | 856 | 862 | 862 | 82 |
| 15° | 825 | 825 | 820 | 824 | 821 | 232 |
| 25° | 749 | 751 | 747 | 750 | 746 | 345 |
| 35° | 649 | 654 | 652 | 654 | 654 | 406 |
| 45° | 534 | 543 | 548 | 553 | 555 | 412 |
| 55° | 411 | 424 | 438 | 447 | 450 | 367 |
| 65° | 283 | 302 | 323 | 335 | 339 | 280 |
| 75° | 156 | 178 | 205 | 221 | 226 | 165 |
| 85° | 47 | 75 | 104 | 122 | 130 | 50 |
| 90° | 14 | 46 | 79 | 101 | 109 | 11 |
| 95° | 50 | 74 | 108 | 130 | 138 | 51 |
| 105° | 146 | 163 | 191 | 211 | 220 | 155 |
| 115° | 266 | 275 | 298 | 312 | 317 | 263 |
| 125° | 384 | 388 | 404 | 416 | 420 | 344 |
| 135° | 497 | 500 | 506 | 517 | 519 | 383 |
| 145° | 601 | 602 | 604 | 608 | 610 | 375 |
| 155° | 686 | 686 | 687 | 689 | 686 | 316 |
| 165° | 746 | 745 | 746 | 748 | 744 | 210 |
| 175° | 776 | 774 | 774 | 777 | 773 | 74 |
| 180° | 778 | 778 | 778 | 778 | 778 | |



TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 |
| 2.5° | 865.7 | 865.4 | 865.1 | 864.8 | 864.5 | 863.8 | 862.7 | 861.7 | 860.6 | 859.6 | 860.6 |
| 5° | 863.6 | 863.3 | 862.9 | 862.5 | 862.2 | 861.3 | 860.0 | 858.7 | 857.4 | 856.1 | 857.5 |
| 7.5° | 856.1 | 855.9 | 855.7 | 855.6 | 855.4 | 854.7 | 853.4 | 852.0 | 850.6 | 849.3 | 850.6 |
| 10° | 849.3 | 849.3 | 849.3 | 849.3 | 849.3 | 848.6 | 847.0 | 845.5 | 844.0 | 842.5 | 843.8 |
| 12.5° | 839.8 | 839.9 | 840.1 | 840.2 | 840.4 | 839.8 | 838.7 | 837.5 | 836.3 | 835.0 | 836.1 |
| 15° | 824.8 | 824.9 | 825.1 | 825.2 | 825.5 | 824.9 | 823.6 | 822.3 | 820.9 | 819.6 | 820.8 |
| 17.5° | 805.1 | 805.4 | 805.8 | 806.2 | 806.6 | 806.1 | 804.8 | 803.5 | 802.2 | 800.9 | 801.7 |
| 20° | 790.8 | 791.2 | 791.6 | 792.0 | 792.4 | 791.9 | 790.6 | 789.3 | 787.9 | 786.6 | 787.2 |
| 22.5° | 774.6 | 775.3 | 775.9 | 776.7 | 777.3 | 776.9 | 775.4 | 774.0 | 772.5 | 771.0 | 771.8 |
| 25° | 749.3 | 749.9 | 750.5 | 751.1 | 751.6 | 751.3 | 750.2 | 749.1 | 748.0 | 746.8 | 747.5 |
| 27.5° | 721.2 | 722.1 | 722.9 | 723.7 | 724.6 | 724.3 | 723.1 | 721.8 | 720.5 | 719.3 | 719.7 |
| 30° | 700.3 | 701.4 | 702.5 | 703.6 | 704.7 | 704.7 | 703.6 | 702.5 | 701.4 | 700.3 | 700.7 |
| 32.5° | 681.3 | 682.2 | 683.2 | 684.2 | 685.2 | 685.3 | 684.4 | 683.6 | 682.8 | 682.0 | 682.3 |
| 35° | 648.6 | 650.0 | 651.3 | 652.6 | 653.9 | 654.3 | 653.7 | 653.1 | 652.6 | 652.0 | 652.6 |
| 37.5° | 615.9 | 617.1 | 618.3 | 619.5 | 620.8 | 621.3 | 621.0 | 620.9 | 620.7 | 620.5 | 621.3 |
| 40° | 593.5 | 595.1 | 596.6 | 598.1 | 599.6 | 600.2 | 600.1 | 599.9 | 599.7 | 599.5 | 600.2 |
| 42.5° | 569.2 | 571.1 | 573.1 | 575.0 | 577.0 | 578.2 | 578.6 | 579.0 | 579.4 | 579.8 | 580.7 |
| 45° | 534.3 | 536.4 | 538.4 | 540.5 | 542.6 | 544.0 | 545.0 | 545.9 | 546.9 | 547.8 | 549.2 |
| 47.5° | 498.6 | 500.5 | 502.4 | 504.3 | 506.2 | 508.0 | 509.6 | 511.3 | 512.8 | 514.5 | 516.4 |
| 50° | 474.2 | 476.2 | 478.3 | 480.4 | 482.4 | 484.5 | 486.6 | 488.7 | 490.7 | 492.8 | 494.9 |
| 52.5° | 448.4 | 450.9 | 453.5 | 456.0 | 458.5 | 461.1 | 463.6 | 466.1 | 468.6 | 471.2 | 473.4 |
| 55° | 410.7 | 413.7 | 416.7 | 419.7 | 422.7 | 425.7 | 428.8 | 431.8 | 434.7 | 437.7 | 439.9 |
| 57.5° | 372.0 | 375.7 | 379.3 | 382.9 | 386.5 | 390.0 | 393.5 | 397.0 | 400.4 | 403.9 | 406.3 |
| 60° | 346.3 | 350.1 | 353.8 | 357.6 | 361.3 | 365.2 | 368.9 | 372.7 | 376.4 | 380.2 | 383.0 |
| 62.5° | 321.2 | 325.0 | 328.8 | 332.6 | 336.3 | 340.2 | 344.3 | 348.4 | 352.4 | 356.4 | 359.6 |
| 65° | 282.8 | 287.1 | 291.5 | 295.8 | 300.1 | 304.5 | 309.1 | 313.6 | 318.1 | 322.6 | 325.5 |
| 67.5° | 246.5 | 250.8 | 254.9 | 259.1 | 263.3 | 267.7 | 272.2 | 276.9 | 281.4 | 286.0 | 289.4 |
| 70° | 220.1 | 224.5 | 228.8 | 233.2 | 237.5 | 242.1 | 247.0 | 251.8 | 256.7 | 261.6 | 265.2 |
| 72.5° | 194.4 | 198.9 | 203.3 | 207.8 | 212.3 | 217.2 | 222.6 | 228.0 | 233.3 | 238.6 | 242.5 |
| 75° | 155.8 | 160.7 | 165.6 | 170.5 | 175.4 | 180.8 | 186.9 | 192.9 | 198.9 | 204.9 | 208.6 |
| 77.5° | 118.7 | 124.3 | 130.0 | 135.7 | 141.3 | 147.0 | 152.8 | 158.6 | 164.4 | 170.2 | 174.3 |
| 80° | 95.7 | 101.3 | 107.0 | 112.6 | 118.3 | 124.3 | 130.7 | 137.1 | 143.5 | 149.9 | 154.0 |
| 82.5° | 74.7 | 80.6 | 86.6 | 92.5 | 98.5 | 104.7 | 111.3 | 117.8 | 124.3 | 130.9 | 134.9 |
| 85° | 46.6 | 52.7 | 59.0 | 65.2 | 71.4 | 77.8 | 84.4 | 91.0 | 97.6 | 104.1 | 108.3 |
| 87.5° | 26.6 | 32.8 | 39.1 | 45.2 | 51.4 | 57.9 | 64.5 | 71.1 | 77.6 | 84.2 | 88.7 |
| 90° | 14.2 | 21.3 | 28.4 | 35.5 | 42.6 | 49.7 | 57.1 | 64.4 | 71.7 | 79.1 | 84.1 |
| 92.5° | 26.8 | 33.2 | 39.5 | 45.8 | 52.1 | 59.1 | 66.9 | 74.5 | 82.3 | 89.9 | 95.1 |
| 95° | 50.4 | 55.5 | 60.7 | 65.8 | 71.0 | 77.5 | 85.2 | 92.9 | 100.7 | 108.4 | 113.5 |
| 97.5° | 75.3 | 79.9 | 84.4 | 88.9 | 93.4 | 99.6 | 107.7 | 115.7 | 123.8 | 131.8 | 136.6 |
| 100° | 94.1 | 98.0 | 101.9 | 105.9 | 109.8 | 115.7 | 123.5 | 131.3 | 139.0 | 146.8 | 152.0 |
| 102.5° | 114.2 | 118.4 | 122.5 | 126.8 | 130.9 | 136.4 | 143.2 | 149.9 | 156.7 | 163.5 | 168.6 |
| 105° | 145.6 | 149.3 | 153.0 | 156.7 | 160.4 | 165.4 | 171.9 | 178.3 | 184.7 | 191.2 | 195.8 |
| 107.5° | 180.4 | 183.7 | 186.9 | 190.1 | 193.4 | 198.0 | 204.0 | 210.1 | 216.1 | 222.2 | 226.2 |
| 110° | 204.5 | 207.4 | 210.3 | 213.2 | 216.1 | 220.5 | 226.2 | 231.8 | 237.5 | 243.1 | 247.1 |



TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 229.6 | 231.8 | 233.9 | 236.1 | 238.2 | 242.1 | 247.8 | 253.4 | 259.0 | 264.6 | 268.2 |
| 115° | 266.0 | 267.8 | 269.6 | 271.5 | 273.4 | 276.9 | 282.0 | 287.1 | 292.4 | 297.5 | 300.8 |
| 117.5° | 302.4 | 303.5 | 304.6 | 305.7 | 306.8 | 309.8 | 314.6 | 319.5 | 324.4 | 329.3 | 332.6 |
| 120° | 325.6 | 326.9 | 328.1 | 329.3 | 330.5 | 333.4 | 337.9 | 342.3 | 346.8 | 351.2 | 354.5 |
| 122.5° | 350.1 | 350.6 | 351.1 | 351.6 | 352.1 | 354.7 | 359.1 | 363.7 | 368.3 | 372.8 | 375.7 |
| 125° | 384.1 | 384.7 | 385.3 | 386.0 | 386.5 | 388.8 | 392.7 | 396.6 | 400.5 | 404.4 | 407.2 |
| 127.5° | 419.6 | 419.8 | 420.1 | 420.4 | 420.6 | 422.4 | 425.7 | 428.8 | 432.1 | 435.4 | 438.1 |
| 130° | 441.3 | 441.8 | 442.3 | 442.8 | 443.3 | 445.0 | 447.8 | 450.8 | 453.7 | 456.6 | 459.1 |
| 132.5° | 462.4 | 463.5 | 464.6 | 465.6 | 466.7 | 468.2 | 470.2 | 472.2 | 474.2 | 476.1 | 478.7 |
| 135° | 496.8 | 497.4 | 498.0 | 498.6 | 499.3 | 500.3 | 501.7 | 503.2 | 504.7 | 506.1 | 508.5 |
| 137.5° | 529.0 | 529.7 | 530.3 | 530.9 | 531.6 | 532.3 | 533.3 | 534.2 | 535.2 | 536.1 | 538.5 |
| 140° | 549.2 | 549.8 | 550.6 | 551.2 | 551.9 | 552.5 | 553.1 | 553.7 | 554.3 | 554.9 | 557.3 |
| 142.5° | 570.0 | 570.5 | 570.9 | 571.3 | 571.7 | 572.2 | 572.7 | 573.2 | 573.8 | 574.4 | 576.3 |
| 145° | 600.6 | 601.0 | 601.4 | 601.7 | 602.0 | 602.4 | 602.8 | 603.2 | 603.6 | 604.1 | 605.0 |
| 147.5° | 628.1 | 628.4 | 628.7 | 629.0 | 629.3 | 629.6 | 629.9 | 630.2 | 630.6 | 630.9 | 631.5 |
| 150° | 647.0 | 646.9 | 646.7 | 646.6 | 646.5 | 646.7 | 647.2 | 647.8 | 648.2 | 648.8 | 648.8 |
| 152.5° | 662.5 | 662.7 | 662.8 | 663.1 | 663.2 | 663.4 | 663.7 | 663.9 | 664.1 | 664.3 | 664.6 |
| 155° | 686.3 | 686.3 | 686.3 | 686.3 | 686.3 | 686.4 | 686.6 | 686.6 | 686.8 | 687.0 | 687.5 |
| 157.5° | 707.7 | 707.4 | 707.0 | 706.8 | 706.5 | 706.4 | 706.5 | 706.6 | 706.8 | 706.9 | 707.4 |
| 160° | 720.2 | 719.8 | 719.4 | 719.0 | 718.6 | 718.4 | 718.6 | 718.8 | 718.8 | 719.0 | 719.6 |
| 162.5° | 731.4 | 731.1 | 730.8 | 730.5 | 730.2 | 730.0 | 730.1 | 730.1 | 730.1 | 730.2 | 730.8 |
| 165° | 746.2 | 746.0 | 745.8 | 745.4 | 745.2 | 745.1 | 745.3 | 745.3 | 745.5 | 745.7 | 746.2 |
| 167.5° | 758.9 | 758.3 | 757.7 | 757.2 | 756.7 | 756.4 | 756.4 | 756.4 | 756.4 | 756.4 | 757.2 |
| 170° | 765.6 | 765.1 | 764.5 | 764.0 | 763.4 | 763.2 | 763.2 | 763.2 | 763.2 | 763.2 | 764.0 |
| 172.5° | 770.5 | 769.9 | 769.4 | 768.8 | 768.3 | 768.0 | 768.0 | 768.0 | 768.0 | 768.0 | 768.8 |
| 175° | 775.9 | 775.3 | 774.9 | 774.3 | 773.7 | 773.5 | 773.5 | 773.5 | 773.5 | 773.5 | 774.3 |
| 177.5° | 778.7 | 778.3 | 777.8 | 777.4 | 777.0 | 776.7 | 776.6 | 776.5 | 776.4 | 776.2 | 776.9 |
| 180° | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 |



TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 | 863.6 |
| 2.5° | 861.7 | 862.7 | 863.8 | 864.3 | 864.1 | 864.0 | 863.8 | 863.6 |
| 5° | 859.1 | 860.5 | 862.1 | 862.7 | 862.5 | 862.3 | 862.2 | 862.0 |
| 7.5° | 851.9 | 853.2 | 854.5 | 855.1 | 854.9 | 854.8 | 854.5 | 854.4 |
| 10° | 845.1 | 846.4 | 847.7 | 848.3 | 848.2 | 848.0 | 847.7 | 847.6 |
| 12.5° | 837.1 | 838.1 | 839.1 | 839.4 | 838.9 | 838.4 | 837.9 | 837.4 |
| 15° | 821.9 | 823.0 | 824.2 | 824.3 | 823.6 | 822.8 | 822.1 | 821.3 |
| 17.5° | 802.6 | 803.5 | 804.3 | 804.5 | 804.0 | 803.6 | 803.2 | 802.7 |
| 20° | 787.7 | 788.3 | 788.9 | 789.1 | 789.1 | 789.1 | 789.1 | 789.1 |
| 22.5° | 772.5 | 773.1 | 773.9 | 774.0 | 773.6 | 773.1 | 772.7 | 772.3 |
| 25° | 748.4 | 749.1 | 749.8 | 749.7 | 748.8 | 747.9 | 746.9 | 746.0 |
| 27.5° | 720.2 | 720.8 | 721.3 | 721.5 | 721.1 | 720.7 | 720.4 | 720.1 |
| 30° | 701.0 | 701.4 | 701.7 | 701.9 | 701.6 | 701.5 | 701.3 | 701.1 |
| 32.5° | 682.7 | 683.1 | 683.5 | 683.5 | 683.4 | 683.2 | 683.0 | 682.8 |
| 35° | 653.1 | 653.7 | 654.3 | 654.5 | 654.5 | 654.5 | 654.5 | 654.5 |
| 37.5° | 622.0 | 622.7 | 623.5 | 623.9 | 623.8 | 623.7 | 623.6 | 623.5 |
| 40° | 601.0 | 601.8 | 602.5 | 603.1 | 603.4 | 603.8 | 604.2 | 604.5 |
| 42.5° | 581.6 | 582.5 | 583.4 | 583.9 | 584.0 | 584.1 | 584.2 | 584.2 |
| 45° | 550.5 | 551.8 | 553.1 | 553.8 | 554.1 | 554.2 | 554.4 | 554.6 |
| 47.5° | 518.3 | 520.2 | 522.1 | 523.3 | 523.7 | 524.2 | 524.6 | 525.0 |
| 50° | 496.9 | 499.0 | 501.1 | 502.4 | 503.0 | 503.5 | 504.1 | 504.7 |
| 52.5° | 475.6 | 477.8 | 480.0 | 481.4 | 481.8 | 482.2 | 482.6 | 483.0 |
| 55° | 441.9 | 444.0 | 446.1 | 447.4 | 448.2 | 449.0 | 449.7 | 450.5 |
| 57.5° | 408.6 | 411.0 | 413.4 | 414.8 | 415.4 | 416.0 | 416.5 | 417.1 |
| 60° | 385.8 | 388.7 | 391.5 | 393.1 | 393.7 | 394.3 | 394.8 | 395.4 |
| 62.5° | 362.7 | 365.8 | 369.0 | 370.9 | 371.6 | 372.3 | 373.0 | 373.7 |
| 65° | 328.2 | 331.1 | 333.9 | 335.7 | 336.5 | 337.2 | 337.9 | 338.7 |
| 67.5° | 292.9 | 296.3 | 299.7 | 301.9 | 302.9 | 303.9 | 304.8 | 305.8 |
| 70° | 268.8 | 272.4 | 276.0 | 278.3 | 279.4 | 280.5 | 281.7 | 282.8 |
| 72.5° | 246.4 | 250.2 | 254.1 | 256.5 | 257.3 | 258.1 | 258.9 | 259.8 |
| 75° | 212.5 | 216.2 | 220.0 | 222.3 | 223.2 | 224.2 | 225.1 | 226.1 |
| 77.5° | 178.5 | 182.6 | 186.8 | 189.2 | 190.0 | 190.7 | 191.4 | 192.2 |
| 80° | 158.2 | 162.3 | 166.4 | 168.8 | 169.7 | 170.4 | 171.1 | 171.9 |
| 82.5° | 138.8 | 142.8 | 146.8 | 149.5 | 150.9 | 152.2 | 153.6 | 155.0 |
| 85° | 112.4 | 116.6 | 120.7 | 123.5 | 125.1 | 126.5 | 128.1 | 129.6 |
| 87.5° | 93.2 | 97.6 | 102.1 | 105.0 | 106.4 | 107.8 | 109.3 | 110.6 |
| 90° | 89.1 | 94.1 | 99.1 | 102.5 | 104.2 | 105.9 | 107.6 | 109.3 |
| 92.5° | 100.1 | 105.2 | 110.2 | 113.6 | 115.2 | 116.8 | 118.4 | 120.0 |
| 95° | 118.5 | 123.7 | 128.7 | 132.1 | 133.6 | 135.3 | 136.8 | 138.4 |
| 97.5° | 141.5 | 146.3 | 151.2 | 154.3 | 155.7 | 157.2 | 158.6 | 160.0 |
| 100° | 157.1 | 162.2 | 167.5 | 170.7 | 172.1 | 173.5 | 174.9 | 176.3 |
| 102.5° | 173.7 | 178.8 | 183.9 | 187.3 | 188.7 | 190.2 | 191.8 | 193.2 |
| 105° | 200.4 | 205.0 | 209.5 | 212.6 | 214.3 | 216.1 | 217.8 | 219.6 |
| 107.5° | 230.4 | 234.6 | 238.6 | 241.3 | 242.5 | 243.5 | 244.7 | 245.8 |
| 110° | 251.1 | 255.1 | 259.1 | 261.6 | 262.9 | 264.0 | 265.2 | 266.4 |



TEST NUMBER: P333409-930

CATALOG NUMBER: S125DIW-S850D770U930-4F0-1E-UDD-D1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 271.9 | 275.5 | 279.1 | 281.4 | 282.5 | 283.6 | 284.7 | 285.8 |
| 115° | 304.0 | 307.3 | 310.5 | 312.7 | 313.6 | 314.6 | 315.6 | 316.7 |
| 117.5° | 335.9 | 339.2 | 342.5 | 344.5 | 345.3 | 346.0 | 346.7 | 347.5 |
| 120° | 357.7 | 360.9 | 364.0 | 366.0 | 366.6 | 367.1 | 367.7 | 368.4 |
| 122.5° | 378.6 | 381.6 | 384.5 | 386.4 | 387.0 | 387.8 | 388.4 | 389.1 |
| 125° | 409.9 | 412.6 | 415.4 | 417.1 | 417.9 | 418.7 | 419.6 | 420.4 |
| 127.5° | 440.7 | 443.4 | 446.0 | 447.7 | 448.5 | 449.4 | 450.2 | 451.0 |
| 130° | 461.5 | 464.1 | 466.6 | 468.1 | 468.8 | 469.5 | 470.2 | 470.8 |
| 132.5° | 481.1 | 483.6 | 486.2 | 487.6 | 488.0 | 488.4 | 488.9 | 489.3 |
| 135° | 510.9 | 513.4 | 515.8 | 517.3 | 517.7 | 518.1 | 518.5 | 518.9 |
| 137.5° | 540.9 | 543.2 | 545.6 | 546.8 | 546.9 | 547.0 | 547.1 | 547.1 |
| 140° | 559.5 | 561.9 | 564.3 | 565.4 | 565.5 | 565.6 | 565.7 | 565.7 |
| 142.5° | 578.2 | 580.2 | 582.0 | 583.1 | 583.2 | 583.3 | 583.3 | 583.4 |
| 145° | 605.9 | 606.8 | 607.8 | 608.5 | 608.8 | 609.1 | 609.5 | 609.8 |
| 147.5° | 632.2 | 632.8 | 633.4 | 633.4 | 632.8 | 632.3 | 631.7 | 631.1 |
| 150° | 648.8 | 648.8 | 648.8 | 648.7 | 648.7 | 648.6 | 648.5 | 648.5 |
| 152.5° | 665.0 | 665.3 | 665.6 | 665.5 | 665.1 | 664.6 | 664.2 | 663.7 |
| 155° | 688.0 | 688.5 | 689.1 | 689.0 | 688.4 | 687.7 | 687.0 | 686.3 |
| 157.5° | 708.0 | 708.5 | 709.1 | 708.9 | 708.0 | 707.1 | 706.2 | 705.3 |
| 160° | 720.1 | 720.6 | 721.1 | 721.1 | 720.4 | 719.7 | 719.1 | 718.4 |
| 162.5° | 731.5 | 732.1 | 732.7 | 732.7 | 731.9 | 731.1 | 730.3 | 729.5 |
| 165° | 746.7 | 747.3 | 747.8 | 747.6 | 746.9 | 746.1 | 745.3 | 744.4 |
| 167.5° | 758.1 | 758.9 | 759.6 | 759.6 | 758.8 | 758.0 | 757.2 | 756.3 |
| 170° | 764.8 | 765.6 | 766.5 | 766.4 | 765.4 | 764.5 | 763.5 | 762.6 |
| 172.5° | 769.6 | 770.5 | 771.3 | 771.3 | 770.5 | 769.6 | 768.7 | 767.9 |
| 175° | 775.1 | 775.9 | 776.7 | 776.7 | 775.7 | 774.8 | 773.8 | 772.9 |
| 177.5° | 777.6 | 778.2 | 778.9 | 778.8 | 778.0 | 777.3 | 776.6 | 775.8 |
| 180° | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 | 777.7 |

(END OF REPORT)