

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: P333404-927

Luminaire Tested: **S125DIW-S850D470U927-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333404-927
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-S850D470U927-4F0-1E-UDD-F
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4191.7 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Direct

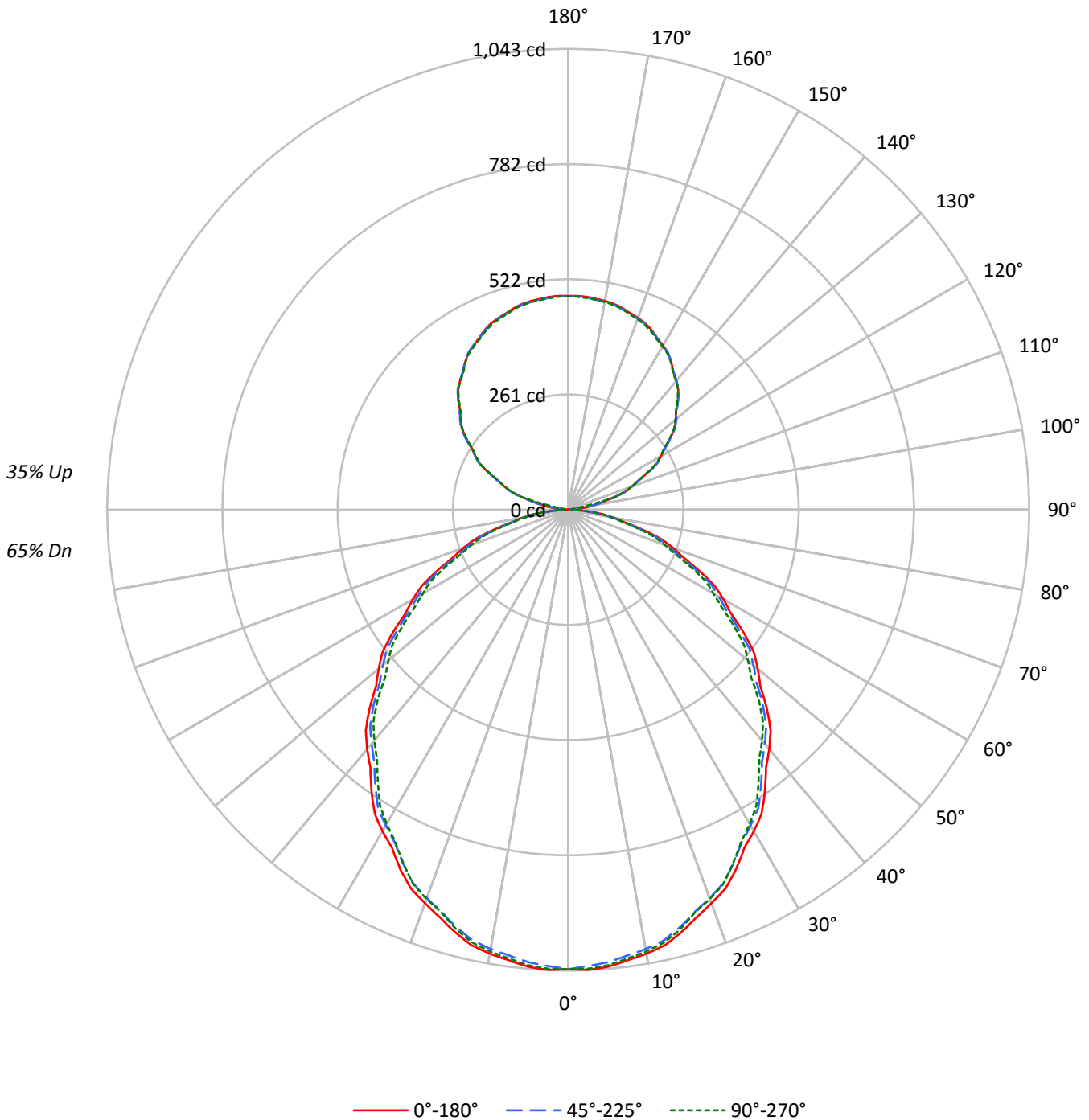
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

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 | 111 | 111 | 111 | 111 | 104 | 104 | 104 | 104 | 91 | 91 | 91 | 80 | 80 | 80 | 70 | 70 | 70 | 65 |
| 1 | 101 | 97 | 92 | 89 | 95 | 91 | 87 | 84 | 80 | 78 | 75 | 70 | 68 | 67 | 61 | 60 | 59 | 54 |
| 2 | 92 | 84 | 78 | 73 | 86 | 79 | 74 | 69 | 70 | 66 | 62 | 62 | 58 | 56 | 54 | 51 | 49 | 45 |
| 3 | 84 | 74 | 67 | 60 | 78 | 70 | 63 | 58 | 62 | 57 | 52 | 55 | 50 | 47 | 48 | 45 | 42 | 38 |
| 4 | 77 | 66 | 57 | 51 | 72 | 62 | 55 | 49 | 55 | 49 | 45 | 49 | 44 | 40 | 43 | 39 | 36 | 33 |
| 5 | 71 | 59 | 50 | 44 | 66 | 55 | 48 | 42 | 49 | 43 | 38 | 44 | 39 | 35 | 38 | 35 | 31 | 29 |
| 6 | 65 | 53 | 44 | 38 | 61 | 50 | 42 | 37 | 44 | 38 | 34 | 40 | 35 | 31 | 35 | 31 | 28 | 25 |
| 7 | 60 | 48 | 39 | 34 | 56 | 45 | 38 | 32 | 40 | 34 | 30 | 36 | 31 | 27 | 32 | 28 | 25 | 22 |
| 8 | 56 | 43 | 35 | 30 | 52 | 41 | 34 | 29 | 37 | 31 | 26 | 33 | 28 | 24 | 29 | 25 | 22 | 20 |
| 9 | 52 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 34 | 28 | 24 | 30 | 25 | 22 | 27 | 23 | 20 | 18 |
| 10 | 49 | 36 | 29 | 24 | 46 | 35 | 28 | 23 | 31 | 25 | 21 | 28 | 23 | 20 | 25 | 21 | 18 | 16 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6716 | 6716 | 6716 |
| 5° | 6731 | 6667 | 6710 |
| 10° | 6690 | 6620 | 6658 |
| 15° | 6618 | 6540 | 6568 |
| 20° | 6514 | 6429 | 6441 |
| 25° | 6402 | 6297 | 6291 |
| 30° | 6264 | 6154 | 6123 |
| 35° | 6117 | 6000 | 5916 |
| 40° | 5966 | 5833 | 5751 |
| 45° | 5802 | 5681 | 5569 |
| 50° | 5621 | 5497 | 5332 |
| 55° | 5447 | 5290 | 5141 |
| 60° | 5239 | 5079 | 4899 |
| 65° | 4991 | 4828 | 4664 |
| 70° | 4755 | 4538 | 4381 |
| 75° | 4332 | 4190 | 4045 |
| 80° | 3857 | 3794 | 3704 |
| 85° | 3349 | 3416 | 3231 |



TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 98.1 | 2.3 |
| 10°-20° | 277.0 | 6.6 |
| 20°-30° | 409.0 | 9.8 |
| 30°-40° | 477.2 | 11.4 |
| 40°-50° | 479.3 | 11.4 |
| 50°-60° | 420.7 | 10.0 |
| 60°-70° | 313.5 | 7.5 |
| 70°-80° | 179.3 | 4.3 |
| 80°-90° | 53.2 | 1.3 |
| 90°-100° | 17.6 | 0.4 |
| 100°-110° | 108.3 | 2.6 |
| 110°-120° | 196.4 | 4.7 |
| 120°-130° | 252.0 | 6.0 |
| 130°-140° | 271.1 | 6.5 |
| 140°-150° | 254.4 | 6.1 |
| 150°-160° | 205.8 | 4.9 |
| 160°-170° | 133.1 | 3.2 |
| 170°-180° | 45.9 | 1.1 |
| 0°-30° | 784.0 | 18.7 |
| 0°-40° | 1261.2 | 30.1 |
| 0°-60° | 2161.2 | 51.6 |
| 0°-90° | 2707.1 | 64.6 |
| 90°-120° | 322.2 | 7.7 |
| 90°-150° | 1099.7 | 26.2 |
| 90°-180° | 1485.0 | 35.4 |
| 0°-180° | 4191.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1040 | 1040 | 1040 | 1040 | 1040 | |
| 5° | 1038 | 1036 | 1028 | 1035 | 1035 | 98 |
| 15° | 990 | 987 | 978 | 982 | 982 | 279 |
| 25° | 898 | 894 | 884 | 885 | 883 | 413 |
| 35° | 776 | 772 | 761 | 757 | 750 | 485 |
| 45° | 635 | 631 | 622 | 612 | 610 | 489 |
| 55° | 484 | 481 | 470 | 462 | 457 | 432 |
| 65° | 327 | 325 | 316 | 309 | 305 | 324 |
| 75° | 174 | 172 | 168 | 165 | 162 | 185 |
| 85° | 45 | 46 | 46 | 45 | 44 | 51 |
| 90° | 0 | 3 | 6 | 8 | 9 | 3 |
| 95° | 20 | 19 | 6 | 7 | 8 | 26 |
| 105° | 105 | 107 | 107 | 107 | 106 | 112 |
| 115° | 198 | 200 | 200 | 198 | 196 | 196 |
| 125° | 281 | 284 | 284 | 282 | 281 | 251 |
| 135° | 351 | 353 | 352 | 351 | 349 | 270 |
| 145° | 407 | 407 | 408 | 408 | 406 | 254 |
| 155° | 448 | 446 | 447 | 447 | 445 | 206 |
| 165° | 473 | 471 | 471 | 473 | 470 | 133 |
| 175° | 484 | 481 | 482 | 484 | 481 | 46 |
| 180° | 484 | 484 | 484 | 484 | 484 | |



TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 |
| 2.5° | 1042.6 | 1042.1 | 1041.7 | 1041.2 | 1040.8 | 1039.8 | 1038.4 | 1037.0 | 1035.5 | 1034.0 | 1035.5 |
| 5° | 1038.3 | 1037.9 | 1037.5 | 1037.2 | 1036.8 | 1035.7 | 1033.9 | 1032.1 | 1030.2 | 1028.4 | 1030.1 |
| 7.5° | 1028.7 | 1028.4 | 1028.0 | 1027.6 | 1027.3 | 1026.1 | 1024.1 | 1022.1 | 1020.1 | 1018.0 | 1019.6 |
| 10° | 1020.2 | 1019.9 | 1019.5 | 1019.1 | 1018.7 | 1017.6 | 1015.5 | 1013.5 | 1011.5 | 1009.5 | 1011.0 |
| 12.5° | 1009.6 | 1009.0 | 1008.4 | 1007.7 | 1007.0 | 1005.8 | 1003.9 | 1002.0 | 1000.1 | 998.3 | 999.5 |
| 15° | 989.8 | 989.2 | 988.6 | 988.1 | 987.5 | 986.3 | 984.3 | 982.2 | 980.2 | 978.2 | 979.1 |
| 17.5° | 966.9 | 966.1 | 965.3 | 964.5 | 963.7 | 962.2 | 960.1 | 958.1 | 955.9 | 953.9 | 955.0 |
| 20° | 947.8 | 947.5 | 947.1 | 946.7 | 946.3 | 944.9 | 942.5 | 940.2 | 937.8 | 935.4 | 936.8 |
| 22.5° | 928.7 | 928.0 | 927.4 | 926.7 | 926.1 | 924.6 | 922.4 | 920.1 | 917.9 | 915.7 | 916.6 |
| 25° | 898.4 | 897.5 | 896.6 | 895.6 | 894.8 | 893.1 | 890.7 | 888.4 | 886.0 | 883.6 | 884.0 |
| 27.5° | 863.0 | 862.5 | 862.0 | 861.4 | 860.9 | 859.4 | 856.9 | 854.4 | 852.0 | 849.5 | 849.6 |
| 30° | 840.0 | 839.5 | 838.9 | 838.4 | 837.8 | 836.1 | 833.5 | 830.7 | 827.9 | 825.2 | 824.8 |
| 32.5° | 815.0 | 814.1 | 813.3 | 812.5 | 811.7 | 810.0 | 807.6 | 805.1 | 802.6 | 800.2 | 799.5 |
| 35° | 775.9 | 775.1 | 774.4 | 773.6 | 772.9 | 771.3 | 768.7 | 766.1 | 763.6 | 761.0 | 760.1 |
| 37.5° | 735.2 | 734.3 | 733.3 | 732.5 | 731.5 | 729.8 | 727.5 | 725.0 | 722.6 | 720.3 | 718.8 |
| 40° | 707.6 | 706.6 | 705.8 | 704.8 | 703.9 | 702.2 | 699.6 | 697.0 | 694.5 | 691.9 | 690.3 |
| 42.5° | 677.9 | 677.2 | 676.4 | 675.7 | 674.9 | 673.2 | 670.7 | 668.0 | 665.5 | 663.0 | 661.5 |
| 45° | 635.2 | 634.4 | 633.7 | 633.0 | 632.2 | 630.7 | 628.6 | 626.4 | 624.2 | 622.0 | 619.8 |
| 47.5° | 589.1 | 589.1 | 589.1 | 589.1 | 589.2 | 588.0 | 585.3 | 582.7 | 580.0 | 577.4 | 575.1 |
| 50° | 559.4 | 558.9 | 558.3 | 557.8 | 557.3 | 555.9 | 553.7 | 551.5 | 549.3 | 547.1 | 544.7 |
| 52.5° | 529.2 | 528.8 | 528.4 | 528.0 | 527.6 | 526.2 | 523.9 | 521.5 | 519.2 | 516.8 | 514.8 |
| 55° | 483.8 | 483.2 | 482.7 | 482.1 | 481.6 | 480.0 | 477.4 | 474.9 | 472.3 | 469.8 | 468.1 |
| 57.5° | 435.9 | 435.6 | 435.3 | 435.0 | 434.7 | 433.5 | 431.3 | 429.2 | 427.0 | 424.8 | 422.7 |
| 60° | 405.6 | 404.9 | 404.2 | 403.4 | 402.7 | 401.3 | 399.3 | 397.3 | 395.3 | 393.2 | 391.4 |
| 62.5° | 374.0 | 373.4 | 372.9 | 372.2 | 371.7 | 370.5 | 368.8 | 367.1 | 365.4 | 363.6 | 361.7 |
| 65° | 326.6 | 326.2 | 325.9 | 325.5 | 325.2 | 324.0 | 321.9 | 320.0 | 317.9 | 315.9 | 314.3 |
| 67.5° | 280.7 | 280.0 | 279.2 | 278.4 | 277.7 | 276.5 | 275.0 | 273.5 | 272.0 | 270.5 | 269.1 |
| 70° | 251.8 | 250.8 | 249.9 | 249.0 | 248.1 | 246.8 | 245.2 | 243.5 | 241.9 | 240.3 | 239.2 |
| 72.5° | 220.1 | 219.5 | 218.9 | 218.3 | 217.7 | 216.8 | 215.8 | 214.7 | 213.7 | 212.6 | 211.4 |
| 75° | 173.6 | 173.3 | 172.9 | 172.5 | 172.1 | 171.5 | 170.6 | 169.7 | 168.7 | 167.9 | 167.3 |
| 77.5° | 130.6 | 130.5 | 130.4 | 130.2 | 130.1 | 129.8 | 129.2 | 128.7 | 128.2 | 127.7 | 127.4 |
| 80° | 103.7 | 103.7 | 103.7 | 103.7 | 103.7 | 103.5 | 103.1 | 102.7 | 102.3 | 102.0 | 101.9 |
| 82.5° | 79.9 | 79.7 | 79.4 | 79.1 | 78.8 | 78.6 | 78.5 | 78.5 | 78.4 | 78.3 | 78.0 |
| 85° | 45.2 | 45.5 | 45.6 | 45.8 | 45.9 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 45.9 |
| 87.5° | 17.8 | 18.0 | 18.1 | 18.2 | 18.4 | 18.4 | 18.4 | 18.3 | 18.3 | 18.2 | 18.4 |
| 90° | 0.4 | 1.0 | 1.7 | 2.3 | 2.9 | 3.5 | 4.0 | 4.6 | 5.1 | 5.7 | 6.1 |
| 92.5° | 5.5 | 5.1 | 4.6 | 4.2 | 3.7 | 3.7 | 4.3 | 4.8 | 5.2 | 5.7 | 6.1 |
| 95° | 20.4 | 20.2 | 20.0 | 19.7 | 19.5 | 17.8 | 14.8 | 11.8 | 8.8 | 5.7 | 6.1 |
| 97.5° | 42.6 | 43.1 | 43.5 | 44.0 | 44.4 | 41.6 | 35.6 | 29.6 | 23.6 | 17.7 | 15.4 |
| 100° | 59.8 | 60.1 | 60.4 | 60.6 | 60.8 | 61.1 | 61.4 | 61.7 | 62.0 | 62.3 | 50.5 |
| 102.5° | 77.3 | 77.6 | 78.0 | 78.3 | 78.6 | 78.8 | 79.0 | 79.1 | 79.4 | 79.5 | 77.3 |
| 105° | 105.4 | 105.7 | 106.0 | 106.3 | 106.6 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 |
| 107.5° | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.5 | 134.7 | 134.8 | 135.0 | 135.1 | 135.2 |
| 110° | 153.4 | 153.4 | 153.4 | 153.4 | 153.4 | 153.4 | 153.6 | 153.8 | 153.9 | 154.1 | 153.8 |



TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 171.2 | 171.3 | 171.5 | 171.7 | 171.9 | 172.1 | 172.1 | 172.3 | 172.4 | 172.5 | 172.1 |
| 115° | 197.8 | 198.2 | 198.6 | 199.0 | 199.4 | 199.6 | 199.7 | 199.8 | 199.9 | 199.9 | 199.6 |
| 117.5° | 225.5 | 225.4 | 225.4 | 225.4 | 225.4 | 225.5 | 225.8 | 226.1 | 226.4 | 226.7 | 226.3 |
| 120° | 242.6 | 242.6 | 242.5 | 242.4 | 242.3 | 242.4 | 242.6 | 242.9 | 243.1 | 243.4 | 243.2 |
| 122.5° | 257.9 | 258.1 | 258.4 | 258.7 | 259.0 | 259.2 | 259.4 | 259.4 | 259.6 | 259.7 | 259.5 |
| 125° | 281.3 | 281.9 | 282.4 | 283.0 | 283.5 | 283.8 | 283.8 | 283.8 | 283.8 | 283.8 | 283.5 |
| 127.5° | 303.7 | 304.2 | 304.6 | 305.0 | 305.4 | 305.5 | 305.5 | 305.5 | 305.4 | 305.3 | 305.1 |
| 130° | 317.5 | 317.9 | 318.3 | 318.7 | 319.1 | 319.3 | 319.4 | 319.5 | 319.6 | 319.6 | 319.4 |
| 132.5° | 331.3 | 331.8 | 332.2 | 332.6 | 333.1 | 333.3 | 333.1 | 333.0 | 332.7 | 332.6 | 332.6 |
| 135° | 350.9 | 351.3 | 351.8 | 352.3 | 352.8 | 352.9 | 352.8 | 352.6 | 352.4 | 352.3 | 352.1 |
| 137.5° | 368.8 | 369.2 | 369.6 | 370.1 | 370.5 | 370.7 | 370.5 | 370.3 | 370.2 | 370.0 | 370.1 |
| 140° | 380.6 | 380.7 | 380.9 | 381.0 | 381.2 | 381.3 | 381.2 | 381.1 | 381.0 | 381.0 | 381.1 |
| 142.5° | 391.2 | 391.3 | 391.4 | 391.5 | 391.6 | 391.7 | 391.8 | 391.9 | 392.1 | 392.1 | 392.1 |
| 145° | 406.8 | 406.9 | 407.1 | 407.3 | 407.4 | 407.5 | 407.5 | 407.5 | 407.5 | 407.5 | 407.6 |
| 147.5° | 420.4 | 420.3 | 420.3 | 420.3 | 420.3 | 420.3 | 420.4 | 420.5 | 420.6 | 420.6 | 420.7 |
| 150° | 429.0 | 428.8 | 428.6 | 428.5 | 428.3 | 428.3 | 428.5 | 428.6 | 428.8 | 429.0 | 429.1 |
| 152.5° | 437.3 | 437.0 | 436.6 | 436.3 | 435.9 | 435.8 | 435.9 | 436.1 | 436.3 | 436.4 | 436.6 |
| 155° | 448.0 | 447.5 | 447.0 | 446.6 | 446.1 | 445.9 | 446.1 | 446.2 | 446.4 | 446.6 | 446.8 |
| 157.5° | 456.2 | 455.9 | 455.7 | 455.3 | 455.0 | 455.0 | 455.0 | 455.0 | 455.0 | 455.0 | 455.3 |
| 160° | 461.9 | 461.4 | 461.0 | 460.5 | 460.0 | 459.9 | 459.9 | 460.0 | 460.1 | 460.2 | 460.5 |
| 162.5° | 466.5 | 466.0 | 465.6 | 465.1 | 464.6 | 464.5 | 464.5 | 464.6 | 464.7 | 464.8 | 465.2 |
| 165° | 472.7 | 472.2 | 471.7 | 471.3 | 470.8 | 470.6 | 470.6 | 470.7 | 470.8 | 470.9 | 471.3 |
| 167.5° | 477.3 | 476.8 | 476.3 | 475.8 | 475.3 | 475.1 | 475.2 | 475.2 | 475.3 | 475.4 | 476.0 |
| 170° | 479.9 | 479.3 | 478.7 | 478.2 | 477.6 | 477.4 | 477.4 | 477.5 | 477.6 | 477.7 | 478.3 |
| 172.5° | 481.6 | 481.0 | 480.5 | 479.9 | 479.3 | 479.2 | 479.3 | 479.4 | 479.6 | 479.7 | 480.3 |
| 175° | 483.5 | 483.0 | 482.5 | 482.0 | 481.6 | 481.3 | 481.4 | 481.5 | 481.6 | 481.6 | 482.3 |
| 177.5° | 484.3 | 483.9 | 483.5 | 483.2 | 482.8 | 482.6 | 482.7 | 482.8 | 482.8 | 482.9 | 483.3 |
| 180° | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 |



TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 | 1039.9 |
| 2.5° | 1037.0 | 1038.4 | 1039.8 | 1040.5 | 1040.4 | 1040.2 | 1040.1 | 1039.9 |
| 5° | 1031.7 | 1033.3 | 1035.0 | 1035.7 | 1035.5 | 1035.4 | 1035.1 | 1035.0 |
| 7.5° | 1021.3 | 1022.9 | 1024.5 | 1025.2 | 1025.0 | 1024.8 | 1024.6 | 1024.5 |
| 10° | 1012.4 | 1013.9 | 1015.3 | 1016.0 | 1015.8 | 1015.6 | 1015.4 | 1015.3 |
| 12.5° | 1000.6 | 1001.8 | 1003.0 | 1003.5 | 1003.5 | 1003.5 | 1003.5 | 1003.4 |
| 15° | 980.1 | 981.0 | 981.9 | 982.3 | 982.3 | 982.3 | 982.3 | 982.3 |
| 17.5° | 956.2 | 957.3 | 958.4 | 958.5 | 957.6 | 956.7 | 955.8 | 954.9 |
| 20° | 938.0 | 939.3 | 940.6 | 940.7 | 939.8 | 938.9 | 938.0 | 937.1 |
| 22.5° | 917.3 | 918.2 | 919.1 | 919.2 | 918.5 | 917.9 | 917.3 | 916.7 |
| 25° | 884.3 | 884.7 | 885.1 | 884.9 | 884.5 | 883.9 | 883.4 | 882.8 |
| 27.5° | 849.7 | 849.8 | 849.9 | 849.6 | 849.1 | 848.5 | 848.0 | 847.4 |
| 30° | 824.5 | 824.1 | 823.7 | 823.3 | 822.8 | 822.2 | 821.7 | 821.1 |
| 32.5° | 798.8 | 798.2 | 797.6 | 796.7 | 795.7 | 794.7 | 793.8 | 792.8 |
| 35° | 759.2 | 758.3 | 757.4 | 756.2 | 754.7 | 753.3 | 751.8 | 750.4 |
| 37.5° | 717.5 | 716.1 | 714.8 | 713.7 | 712.9 | 712.0 | 711.2 | 710.3 |
| 40° | 688.6 | 687.0 | 685.3 | 684.2 | 683.7 | 683.2 | 682.6 | 682.1 |
| 42.5° | 660.0 | 658.5 | 657.0 | 655.8 | 655.0 | 654.1 | 653.2 | 652.4 |
| 45° | 617.6 | 615.4 | 613.2 | 611.8 | 611.3 | 610.8 | 610.2 | 609.7 |
| 47.5° | 572.9 | 570.7 | 568.5 | 566.7 | 565.5 | 564.2 | 562.8 | 561.6 |
| 50° | 542.3 | 540.0 | 537.6 | 535.8 | 534.5 | 533.2 | 532.0 | 530.7 |
| 52.5° | 512.7 | 510.6 | 508.5 | 506.8 | 505.3 | 503.9 | 502.5 | 501.1 |
| 55° | 466.5 | 464.9 | 463.2 | 461.8 | 460.4 | 459.1 | 457.9 | 456.6 |
| 57.5° | 420.6 | 418.5 | 416.4 | 414.9 | 414.2 | 413.6 | 412.9 | 412.2 |
| 60° | 389.6 | 387.8 | 386.0 | 384.4 | 383.1 | 381.8 | 380.6 | 379.3 |
| 62.5° | 359.7 | 357.7 | 355.8 | 354.3 | 353.3 | 352.3 | 351.3 | 350.3 |
| 65° | 312.7 | 311.0 | 309.3 | 308.2 | 307.4 | 306.7 | 305.9 | 305.2 |
| 67.5° | 267.8 | 266.3 | 265.0 | 264.0 | 263.6 | 263.2 | 262.7 | 262.3 |
| 70° | 238.1 | 236.9 | 235.8 | 235.0 | 234.2 | 233.5 | 232.7 | 232.0 |
| 72.5° | 210.1 | 208.9 | 207.6 | 206.6 | 205.9 | 205.2 | 204.5 | 203.7 |
| 75° | 166.8 | 166.2 | 165.6 | 165.0 | 164.3 | 163.5 | 162.8 | 162.1 |
| 77.5° | 127.1 | 126.7 | 126.4 | 126.0 | 125.4 | 124.9 | 124.5 | 123.9 |
| 80° | 101.6 | 101.5 | 101.3 | 101.0 | 100.7 | 100.3 | 99.9 | 99.6 |
| 82.5° | 77.6 | 77.3 | 77.0 | 76.8 | 76.8 | 76.7 | 76.6 | 76.5 |
| 85° | 45.7 | 45.6 | 45.3 | 45.1 | 44.7 | 44.4 | 44.0 | 43.6 |
| 87.5° | 18.5 | 18.5 | 18.6 | 18.5 | 18.2 | 18.0 | 17.7 | 17.5 |
| 90° | 6.5 | 6.9 | 7.3 | 7.7 | 7.9 | 8.2 | 8.4 | 8.6 |
| 92.5° | 6.5 | 6.9 | 7.3 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 |
| 95° | 6.5 | 6.9 | 7.3 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 97.5° | 13.2 | 10.9 | 8.6 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 100° | 38.7 | 26.8 | 14.9 | 8.8 | 8.5 | 8.2 | 7.8 | 7.5 |
| 102.5° | 75.1 | 72.8 | 70.6 | 66.8 | 61.3 | 55.9 | 50.5 | 45.1 |
| 105° | 106.8 | 106.8 | 106.8 | 106.8 | 106.7 | 106.6 | 106.5 | 106.5 |
| 107.5° | 135.2 | 135.2 | 135.2 | 135.1 | 134.9 | 134.7 | 134.4 | 134.2 |
| 110° | 153.6 | 153.4 | 153.1 | 153.0 | 153.1 | 153.2 | 153.3 | 153.4 |



TEST NUMBER: P333404-927

CATALOG NUMBER: S125DIW-S850D470U927-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 171.8 | 171.5 | 171.3 | 171.0 | 171.0 | 170.8 | 170.7 | 170.6 |
| 115° | 199.3 | 199.0 | 198.7 | 198.3 | 197.8 | 197.3 | 196.9 | 196.4 |
| 117.5° | 225.9 | 225.5 | 225.1 | 224.7 | 224.5 | 224.3 | 224.1 | 223.9 |
| 120° | 243.0 | 242.9 | 242.7 | 242.4 | 242.0 | 241.6 | 241.2 | 240.8 |
| 122.5° | 259.4 | 259.2 | 259.0 | 258.7 | 258.3 | 257.8 | 257.4 | 256.9 |
| 125° | 283.2 | 282.9 | 282.6 | 282.3 | 282.0 | 281.8 | 281.5 | 281.3 |
| 127.5° | 305.0 | 304.8 | 304.7 | 304.3 | 303.6 | 303.1 | 302.5 | 301.9 |
| 130° | 319.2 | 318.9 | 318.7 | 318.4 | 318.0 | 317.6 | 317.2 | 316.8 |
| 132.5° | 332.5 | 332.4 | 332.4 | 332.2 | 331.8 | 331.4 | 331.0 | 330.6 |
| 135° | 352.0 | 351.8 | 351.6 | 351.3 | 350.9 | 350.4 | 349.9 | 349.4 |
| 137.5° | 370.1 | 370.2 | 370.2 | 370.0 | 369.6 | 369.2 | 368.8 | 368.4 |
| 140° | 381.3 | 381.4 | 381.6 | 381.4 | 381.0 | 380.5 | 380.0 | 379.5 |
| 142.5° | 392.2 | 392.2 | 392.3 | 392.1 | 391.6 | 391.1 | 390.6 | 390.1 |
| 145° | 407.7 | 407.7 | 407.8 | 407.6 | 407.1 | 406.6 | 406.2 | 405.7 |
| 147.5° | 420.9 | 421.0 | 421.0 | 420.8 | 420.3 | 419.7 | 419.1 | 418.5 |
| 150° | 429.3 | 429.4 | 429.6 | 429.4 | 428.7 | 428.1 | 427.5 | 426.8 |
| 152.5° | 436.7 | 436.9 | 437.0 | 436.9 | 436.3 | 435.7 | 435.1 | 434.6 |
| 155° | 447.0 | 447.3 | 447.5 | 447.3 | 446.6 | 446.0 | 445.4 | 444.7 |
| 157.5° | 455.5 | 455.7 | 456.0 | 455.8 | 455.2 | 454.6 | 453.9 | 453.3 |
| 160° | 460.8 | 461.1 | 461.4 | 461.3 | 460.7 | 460.0 | 459.4 | 458.8 |
| 162.5° | 465.6 | 466.1 | 466.5 | 466.4 | 465.7 | 465.0 | 464.3 | 463.6 |
| 165° | 471.9 | 472.4 | 472.9 | 472.8 | 472.1 | 471.4 | 470.8 | 470.2 |
| 167.5° | 476.6 | 477.1 | 477.7 | 477.7 | 476.9 | 476.2 | 475.5 | 474.8 |
| 170° | 479.0 | 479.7 | 480.3 | 480.2 | 479.5 | 478.8 | 478.1 | 477.4 |
| 172.5° | 480.9 | 481.4 | 482.0 | 482.0 | 481.3 | 480.5 | 479.8 | 479.1 |
| 175° | 482.9 | 483.5 | 484.2 | 484.2 | 483.5 | 482.8 | 482.0 | 481.3 |
| 177.5° | 483.8 | 484.2 | 484.7 | 484.7 | 484.1 | 483.6 | 483.1 | 482.6 |
| 180° | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 | 483.5 |

(END OF REPORT)