

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: P333228-830

Luminaire Tested: **S125DIP-S850D810U830-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333228-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D810U830-4F0-1E-UDD-D4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5835.8 lumens
Efficiency: N/A
Efficacy: 127.1 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

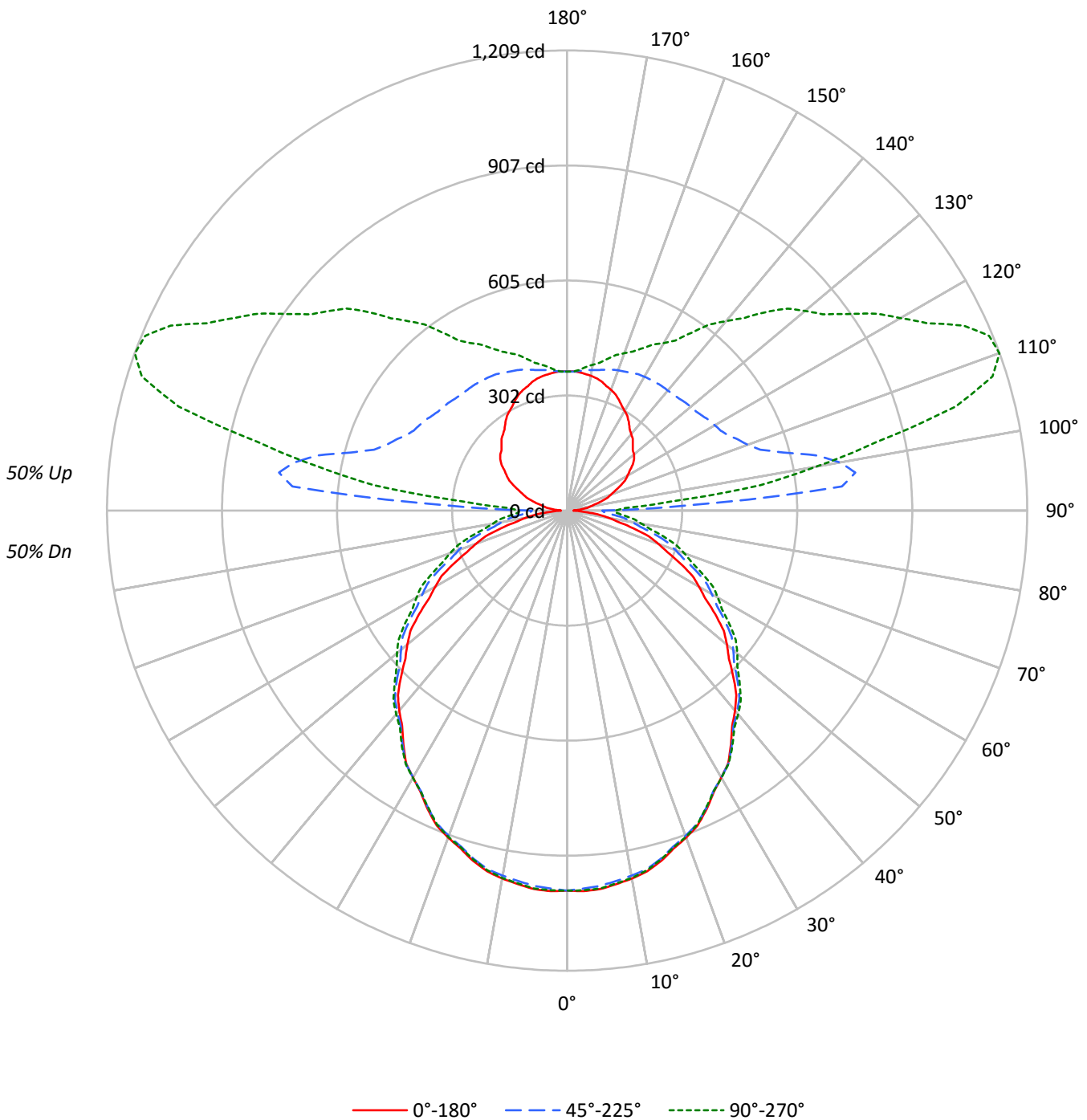
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-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 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 97 | 92 | 88 | 84 | 89 | 85 | 82 | 78 | 72 | 69 | 67 | 60 | 58 | 56 | 48 | 47 | 46 | 40 |
| 2 | 88 | 80 | 74 | 68 | 81 | 74 | 68 | 64 | 63 | 58 | 55 | 52 | 49 | 46 | 42 | 40 | 38 | 33 |
| 3 | 80 | 70 | 63 | 57 | 73 | 65 | 58 | 53 | 55 | 50 | 46 | 46 | 42 | 39 | 37 | 34 | 32 | 28 |
| 4 | 73 | 62 | 54 | 48 | 67 | 57 | 50 | 45 | 49 | 43 | 39 | 41 | 36 | 33 | 33 | 30 | 27 | 24 |
| 5 | 67 | 55 | 47 | 41 | 62 | 51 | 44 | 38 | 43 | 38 | 33 | 36 | 32 | 28 | 30 | 26 | 24 | 20 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 38 | 33 | 39 | 33 | 29 | 33 | 28 | 25 | 27 | 23 | 21 | 18 |
| 7 | 57 | 45 | 36 | 31 | 52 | 41 | 34 | 29 | 35 | 30 | 25 | 30 | 25 | 22 | 24 | 21 | 18 | 16 |
| 8 | 53 | 40 | 33 | 27 | 49 | 38 | 30 | 26 | 32 | 27 | 22 | 27 | 23 | 19 | 22 | 19 | 16 | 14 |
| 9 | 49 | 37 | 29 | 24 | 45 | 34 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 17 | 21 | 17 | 15 | 13 |
| 10 | 46 | 34 | 26 | 22 | 42 | 31 | 25 | 20 | 27 | 22 | 18 | 23 | 19 | 16 | 19 | 16 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6448 | 6448 | 6448 |
| 5° | 6461 | 6330 | 6350 |
| 10° | 6415 | 6216 | 6207 |
| 15° | 6340 | 6081 | 6026 |
| 20° | 6237 | 5914 | 5845 |
| 25° | 6114 | 5735 | 5621 |
| 30° | 5965 | 5538 | 5419 |
| 35° | 5827 | 5357 | 5233 |
| 40° | 5686 | 5166 | 5046 |
| 45° | 5526 | 5003 | 4880 |
| 50° | 5375 | 4826 | 4733 |
| 55° | 5192 | 4659 | 4561 |
| 60° | 4992 | 4468 | 4385 |
| 65° | 4783 | 4270 | 4187 |
| 70° | 4546 | 3997 | 3985 |
| 75° | 4170 | 3735 | 3735 |
| 80° | 3682 | 3416 | 3463 |
| 85° | 3220 | 3204 | 3378 |



TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.4 | 1.6 |
| 10°-20° | 268.0 | 4.6 |
| 20°-30° | 398.6 | 6.8 |
| 30°-40° | 472.1 | 8.1 |
| 40°-50° | 488.1 | 8.4 |
| 50°-60° | 449.7 | 7.7 |
| 60°-70° | 363.5 | 6.2 |
| 70°-80° | 243.4 | 4.2 |
| 80°-90° | 128.3 | 2.2 |
| 90°-100° | 335.8 | 5.8 |
| 100°-110° | 621.8 | 10.7 |
| 110°-120° | 569.6 | 9.8 |
| 120°-130° | 453.1 | 7.8 |
| 130°-140° | 356.3 | 6.1 |
| 140°-150° | 264.1 | 4.5 |
| 150°-160° | 184.7 | 3.2 |
| 160°-170° | 108.8 | 1.9 |
| 170°-180° | 35.4 | 0.6 |
| 0°-30° | 761.0 | 13.0 |
| 0°-40° | 1233.2 | 21.1 |
| 0°-60° | 2171.0 | 37.2 |
| 0°-90° | 2906.2 | 49.8 |
| 90°-120° | 1527.2 | 26.2 |
| 90°-150° | 2600.7 | 44.6 |
| 90°-180° | 2930.0 | 50.2 |
| 0°-180° | 5835.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 998 | 998 | 998 | 998 | 998 | |
| 5° | 998 | 996 | 990 | 997 | 997 | 95 |
| 15° | 954 | 954 | 948 | 953 | 950 | 268 |
| 25° | 866 | 869 | 863 | 867 | 862 | 399 |
| 35° | 750 | 756 | 754 | 757 | 757 | 469 |
| 45° | 618 | 628 | 633 | 640 | 641 | 477 |
| 55° | 475 | 490 | 506 | 516 | 521 | 424 |
| 65° | 327 | 349 | 373 | 387 | 392 | 324 |
| 75° | 180 | 206 | 237 | 256 | 261 | 191 |
| 85° | 54 | 86 | 120 | 141 | 150 | 57 |
| 90° | 16 | 54 | 92 | 117 | 127 | 12 |
| 95° | 37 | 110 | 724 | 388 | 273 | 36 |
| 105° | 92 | 142 | 588 | 1125 | 1057 | 97 |
| 115° | 155 | 193 | 467 | 980 | 1149 | 152 |
| 125° | 210 | 246 | 434 | 773 | 900 | 186 |
| 135° | 244 | 292 | 416 | 637 | 737 | 189 |
| 145° | 282 | 322 | 410 | 515 | 570 | 177 |
| 155° | 321 | 346 | 399 | 451 | 471 | 148 |
| 165° | 351 | 360 | 383 | 406 | 413 | 99 |
| 175° | 365 | 365 | 368 | 372 | 371 | 35 |
| 180° | 366 | 366 | 366 | 366 | 366 | |



TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |
| 2.5° | 1000.8 | 1000.5 | 1000.1 | 999.8 | 999.4 | 998.6 | 997.4 | 996.2 | 994.9 | 993.7 | 994.9 |
| 5° | 998.4 | 998.1 | 997.6 | 997.1 | 996.7 | 995.7 | 994.2 | 992.7 | 991.2 | 989.7 | 991.4 |
| 7.5° | 989.7 | 989.5 | 989.3 | 989.1 | 988.9 | 988.1 | 986.6 | 985.0 | 983.4 | 981.8 | 983.4 |
| 10° | 981.8 | 981.8 | 981.8 | 981.8 | 981.8 | 981.0 | 979.2 | 977.5 | 975.7 | 974.0 | 975.5 |
| 12.5° | 970.8 | 971.0 | 971.2 | 971.4 | 971.6 | 970.9 | 969.6 | 968.2 | 966.8 | 965.4 | 966.6 |
| 15° | 953.5 | 953.7 | 953.9 | 954.0 | 954.3 | 953.7 | 952.2 | 950.6 | 949.0 | 947.5 | 948.9 |
| 17.5° | 930.8 | 931.1 | 931.6 | 932.0 | 932.5 | 931.9 | 930.4 | 928.9 | 927.4 | 925.9 | 926.8 |
| 20° | 914.3 | 914.7 | 915.1 | 915.6 | 916.1 | 915.5 | 914.0 | 912.5 | 910.9 | 909.4 | 910.0 |
| 22.5° | 895.5 | 896.3 | 897.0 | 897.9 | 898.6 | 898.1 | 896.5 | 894.8 | 893.1 | 891.4 | 892.2 |
| 25° | 866.3 | 867.0 | 867.6 | 868.3 | 868.9 | 868.6 | 867.3 | 866.0 | 864.7 | 863.4 | 864.2 |
| 27.5° | 833.8 | 834.8 | 835.8 | 836.7 | 837.6 | 837.4 | 835.9 | 834.4 | 832.9 | 831.5 | 832.1 |
| 30° | 809.5 | 810.9 | 812.2 | 813.4 | 814.7 | 814.7 | 813.4 | 812.2 | 810.9 | 809.5 | 810.0 |
| 32.5° | 787.6 | 788.7 | 789.9 | 791.0 | 792.1 | 792.2 | 791.3 | 790.3 | 789.4 | 788.4 | 788.8 |
| 35° | 749.8 | 751.4 | 752.9 | 754.4 | 755.9 | 756.4 | 755.7 | 755.1 | 754.4 | 753.8 | 754.4 |
| 37.5° | 712.0 | 713.4 | 714.8 | 716.2 | 717.7 | 718.2 | 717.9 | 717.7 | 717.6 | 717.4 | 718.2 |
| 40° | 686.2 | 688.0 | 689.7 | 691.4 | 693.1 | 693.9 | 693.7 | 693.5 | 693.2 | 693.1 | 693.9 |
| 42.5° | 658.0 | 660.3 | 662.5 | 664.8 | 667.0 | 668.5 | 668.9 | 669.4 | 669.9 | 670.3 | 671.4 |
| 45° | 617.6 | 620.1 | 622.5 | 624.8 | 627.3 | 629.0 | 630.1 | 631.1 | 632.3 | 633.3 | 634.9 |
| 47.5° | 576.4 | 578.6 | 580.8 | 583.1 | 585.2 | 587.3 | 589.2 | 591.1 | 592.9 | 594.7 | 597.0 |
| 50° | 548.2 | 550.5 | 553.0 | 555.3 | 557.7 | 560.2 | 562.5 | 565.0 | 567.3 | 569.7 | 572.1 |
| 52.5° | 518.4 | 521.3 | 524.2 | 527.2 | 530.1 | 533.0 | 535.9 | 538.9 | 541.8 | 544.7 | 547.2 |
| 55° | 474.8 | 478.2 | 481.7 | 485.2 | 488.7 | 492.2 | 495.7 | 499.2 | 502.6 | 506.1 | 508.5 |
| 57.5° | 430.1 | 434.3 | 438.5 | 442.6 | 446.9 | 450.9 | 455.0 | 458.9 | 462.9 | 466.9 | 469.7 |
| 60° | 400.4 | 404.7 | 409.1 | 413.4 | 417.7 | 422.2 | 426.5 | 430.8 | 435.2 | 439.5 | 442.8 |
| 62.5° | 371.4 | 375.7 | 380.1 | 384.5 | 388.8 | 393.3 | 398.0 | 402.7 | 407.4 | 412.1 | 415.8 |
| 65° | 327.0 | 332.0 | 337.0 | 342.0 | 346.9 | 352.0 | 357.3 | 362.5 | 367.8 | 373.0 | 376.3 |
| 67.5° | 285.0 | 289.9 | 294.7 | 299.5 | 304.3 | 309.4 | 314.7 | 320.1 | 325.4 | 330.6 | 334.6 |
| 70° | 254.5 | 259.5 | 264.5 | 269.6 | 274.6 | 279.8 | 285.5 | 291.2 | 296.8 | 302.5 | 306.6 |
| 72.5° | 224.8 | 229.9 | 235.1 | 240.3 | 245.4 | 251.1 | 257.3 | 263.5 | 269.7 | 275.9 | 280.3 |
| 75° | 180.1 | 185.8 | 191.4 | 197.1 | 202.7 | 209.1 | 216.0 | 223.0 | 229.9 | 236.9 | 241.2 |
| 77.5° | 137.2 | 143.7 | 150.3 | 156.8 | 163.3 | 169.9 | 176.6 | 183.3 | 190.0 | 196.8 | 201.5 |
| 80° | 110.7 | 117.2 | 123.7 | 130.2 | 136.8 | 143.6 | 151.1 | 158.4 | 165.9 | 173.2 | 178.0 |
| 82.5° | 86.3 | 93.2 | 100.1 | 107.0 | 113.9 | 121.0 | 128.7 | 136.2 | 143.7 | 151.4 | 156.0 |
| 85° | 53.8 | 61.0 | 68.2 | 75.4 | 82.6 | 89.9 | 97.6 | 105.2 | 112.8 | 120.4 | 125.2 |
| 87.5° | 30.7 | 37.8 | 45.1 | 52.3 | 59.6 | 67.0 | 74.6 | 82.3 | 89.8 | 97.6 | 102.6 |
| 90° | 16.4 | 24.1 | 32.5 | 41.0 | 49.4 | 58.1 | 66.2 | 75.0 | 83.2 | 92.1 | 97.8 |
| 92.5° | 23.1 | 31.5 | 44.1 | 59.7 | 78.8 | 107.3 | 155.1 | 230.2 | 311.0 | 314.7 | 274.3 |
| 95° | 37.0 | 43.5 | 55.0 | 68.7 | 90.6 | 130.4 | 216.6 | 386.1 | 596.9 | 724.4 | 715.2 |
| 97.5° | 51.9 | 57.9 | 67.1 | 80.3 | 100.0 | 130.0 | 189.4 | 315.3 | 535.2 | 763.8 | 879.6 |
| 100° | 62.4 | 68.4 | 75.9 | 88.6 | 107.2 | 135.1 | 184.7 | 287.5 | 480.2 | 728.1 | 916.9 |
| 102.5° | 74.0 | 79.1 | 85.7 | 98.6 | 115.6 | 142.6 | 187.5 | 274.7 | 438.3 | 669.0 | 888.9 |
| 105° | 92.1 | 95.6 | 102.7 | 113.6 | 128.8 | 154.5 | 193.4 | 265.6 | 395.2 | 588.1 | 804.0 |
| 107.5° | 109.8 | 114.2 | 120.7 | 129.7 | 144.9 | 168.1 | 205.8 | 268.2 | 374.8 | 531.7 | 718.5 |
| 110° | 122.5 | 126.7 | 132.2 | 141.5 | 155.1 | 178.6 | 214.9 | 271.8 | 367.1 | 504.4 | 669.2 |



TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 136.1 | 139.7 | 144.1 | 152.9 | 166.0 | 188.6 | 223.5 | 277.3 | 364.2 | 487.1 | 631.7 |
| 115° | 154.8 | 157.8 | 161.5 | 169.7 | 182.2 | 204.2 | 237.1 | 285.5 | 361.9 | 467.1 | 589.7 |
| 117.5° | 171.4 | 174.7 | 178.0 | 185.7 | 199.2 | 220.2 | 251.4 | 295.6 | 362.4 | 454.9 | 562.5 |
| 120° | 183.2 | 186.1 | 189.7 | 197.0 | 210.2 | 231.4 | 262.2 | 302.6 | 364.4 | 448.2 | 547.0 |
| 122.5° | 194.8 | 196.8 | 199.4 | 206.3 | 220.4 | 241.4 | 272.0 | 310.4 | 365.5 | 442.1 | 533.0 |
| 125° | 210.3 | 211.5 | 215.0 | 221.4 | 235.2 | 256.4 | 285.1 | 321.1 | 368.3 | 433.8 | 513.9 |
| 127.5° | 221.5 | 223.5 | 228.0 | 236.2 | 250.9 | 271.7 | 298.7 | 331.5 | 372.3 | 427.4 | 495.9 |
| 130° | 229.2 | 231.2 | 236.9 | 246.2 | 261.5 | 282.0 | 307.9 | 339.0 | 375.2 | 424.0 | 484.5 |
| 132.5° | 234.3 | 237.0 | 244.1 | 254.8 | 270.8 | 291.2 | 316.3 | 344.9 | 378.1 | 420.8 | 474.3 |
| 135° | 243.6 | 246.4 | 255.1 | 266.6 | 281.9 | 302.5 | 326.8 | 352.6 | 381.4 | 416.1 | 460.9 |
| 137.5° | 255.6 | 257.6 | 265.7 | 277.3 | 292.3 | 313.1 | 334.6 | 358.6 | 385.3 | 413.5 | 449.7 |
| 140° | 261.8 | 264.1 | 273.0 | 284.7 | 298.7 | 318.8 | 340.4 | 362.6 | 386.4 | 411.7 | 443.6 |
| 142.5° | 270.1 | 271.5 | 279.7 | 291.2 | 304.5 | 323.2 | 343.4 | 364.4 | 386.8 | 410.8 | 438.8 |
| 145° | 282.5 | 283.8 | 290.9 | 301.0 | 314.1 | 330.9 | 350.1 | 368.4 | 388.4 | 409.7 | 432.9 |
| 147.5° | 294.5 | 295.4 | 301.7 | 311.3 | 322.8 | 337.7 | 354.5 | 371.2 | 389.1 | 407.8 | 427.6 |
| 150° | 302.2 | 303.6 | 308.8 | 318.4 | 328.7 | 341.2 | 357.4 | 372.9 | 389.1 | 406.0 | 423.8 |
| 152.5° | 310.4 | 311.3 | 315.8 | 324.2 | 334.0 | 345.3 | 360.3 | 374.1 | 388.5 | 403.7 | 419.6 |
| 155° | 321.3 | 321.3 | 325.7 | 333.1 | 340.4 | 350.8 | 363.4 | 375.1 | 386.9 | 399.4 | 412.7 |
| 157.5° | 331.0 | 330.9 | 334.4 | 340.7 | 347.2 | 355.1 | 365.8 | 375.9 | 385.0 | 395.0 | 406.2 |
| 160° | 337.5 | 336.8 | 339.8 | 344.9 | 350.8 | 357.4 | 367.0 | 375.9 | 383.2 | 392.1 | 401.0 |
| 162.5° | 342.8 | 342.1 | 345.1 | 349.6 | 354.3 | 359.8 | 368.2 | 375.2 | 381.4 | 388.5 | 396.2 |
| 165° | 350.8 | 349.3 | 351.6 | 355.2 | 358.2 | 362.6 | 368.4 | 374.4 | 378.8 | 383.2 | 389.1 |
| 167.5° | 356.1 | 355.3 | 356.7 | 358.7 | 360.8 | 363.6 | 368.4 | 372.6 | 374.7 | 378.1 | 382.2 |
| 170° | 359.7 | 358.9 | 359.7 | 361.1 | 362.6 | 364.8 | 368.4 | 371.5 | 372.9 | 375.1 | 378.1 |
| 172.5° | 362.0 | 360.7 | 361.4 | 362.9 | 363.7 | 364.8 | 367.9 | 370.2 | 370.5 | 371.6 | 373.9 |
| 175° | 364.8 | 363.4 | 364.1 | 364.8 | 364.8 | 364.8 | 367.0 | 368.4 | 367.8 | 367.8 | 368.4 |
| 177.5° | 366.1 | 365.0 | 365.0 | 365.5 | 365.0 | 365.0 | 366.1 | 366.7 | 365.5 | 365.5 | 366.1 |
| 180° | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 |



TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 | 998.4 |
| 2.5° | 996.2 | 997.4 | 998.6 | 999.2 | 999.0 | 998.8 | 998.6 | 998.4 |
| 5° | 993.2 | 994.9 | 996.6 | 997.4 | 997.1 | 996.9 | 996.7 | 996.6 |
| 7.5° | 984.9 | 986.4 | 987.9 | 988.5 | 988.4 | 988.2 | 987.9 | 987.7 |
| 10° | 977.0 | 978.5 | 980.1 | 980.7 | 980.5 | 980.3 | 980.1 | 979.9 |
| 12.5° | 967.7 | 968.9 | 970.1 | 970.3 | 969.8 | 969.2 | 968.7 | 968.1 |
| 15° | 950.2 | 951.5 | 952.8 | 953.0 | 952.2 | 951.2 | 950.4 | 949.5 |
| 17.5° | 927.8 | 928.9 | 929.8 | 930.1 | 929.5 | 929.1 | 928.5 | 928.0 |
| 20° | 910.7 | 911.3 | 912.0 | 912.3 | 912.3 | 912.3 | 912.3 | 912.3 |
| 22.5° | 893.1 | 893.8 | 894.7 | 894.8 | 894.3 | 893.8 | 893.2 | 892.8 |
| 25° | 865.2 | 866.0 | 866.9 | 866.8 | 865.6 | 864.6 | 863.5 | 862.4 |
| 27.5° | 832.6 | 833.3 | 833.9 | 834.1 | 833.6 | 833.2 | 832.8 | 832.5 |
| 30° | 810.4 | 810.9 | 811.2 | 811.4 | 811.2 | 811.0 | 810.8 | 810.5 |
| 32.5° | 789.3 | 789.7 | 790.1 | 790.2 | 790.0 | 789.9 | 789.6 | 789.4 |
| 35° | 755.1 | 755.7 | 756.4 | 756.7 | 756.7 | 756.7 | 756.7 | 756.7 |
| 37.5° | 719.1 | 719.9 | 720.8 | 721.2 | 721.1 | 721.0 | 721.0 | 720.9 |
| 40° | 694.7 | 695.7 | 696.5 | 697.2 | 697.6 | 698.0 | 698.5 | 698.9 |
| 42.5° | 672.4 | 673.4 | 674.5 | 675.0 | 675.1 | 675.2 | 675.3 | 675.4 |
| 45° | 636.4 | 637.9 | 639.4 | 640.3 | 640.6 | 640.7 | 640.9 | 641.2 |
| 47.5° | 599.2 | 601.4 | 603.6 | 605.0 | 605.5 | 606.0 | 606.4 | 606.9 |
| 50° | 574.5 | 576.9 | 579.3 | 580.8 | 581.5 | 582.1 | 582.8 | 583.4 |
| 52.5° | 549.8 | 552.3 | 554.9 | 556.5 | 556.9 | 557.4 | 557.9 | 558.4 |
| 55° | 510.9 | 513.3 | 515.7 | 517.3 | 518.1 | 519.1 | 519.9 | 520.8 |
| 57.5° | 472.4 | 475.1 | 477.9 | 479.6 | 480.2 | 480.9 | 481.5 | 482.2 |
| 60° | 446.0 | 449.3 | 452.6 | 454.5 | 455.2 | 455.8 | 456.5 | 457.1 |
| 62.5° | 419.3 | 422.9 | 426.6 | 428.8 | 429.6 | 430.5 | 431.2 | 432.1 |
| 65° | 379.5 | 382.8 | 386.0 | 388.0 | 389.0 | 389.8 | 390.7 | 391.5 |
| 67.5° | 338.6 | 342.5 | 346.5 | 349.0 | 350.2 | 351.3 | 352.4 | 353.5 |
| 70° | 310.8 | 314.9 | 319.1 | 321.7 | 323.0 | 324.3 | 325.6 | 327.0 |
| 72.5° | 284.8 | 289.3 | 293.8 | 296.5 | 297.5 | 298.4 | 299.4 | 300.3 |
| 75° | 245.6 | 250.0 | 254.3 | 257.0 | 258.1 | 259.2 | 260.2 | 261.4 |
| 77.5° | 206.3 | 211.1 | 215.9 | 218.8 | 219.6 | 220.5 | 221.3 | 222.3 |
| 80° | 182.9 | 187.7 | 192.4 | 195.2 | 196.1 | 197.0 | 197.8 | 198.7 |
| 82.5° | 160.5 | 165.1 | 169.8 | 172.9 | 174.5 | 176.0 | 177.6 | 179.2 |
| 85° | 130.0 | 134.8 | 139.6 | 142.8 | 144.6 | 146.3 | 148.1 | 149.8 |
| 87.5° | 107.8 | 112.9 | 118.1 | 121.7 | 123.2 | 124.7 | 126.4 | 127.9 |
| 90° | 103.6 | 109.2 | 115.0 | 119.8 | 121.3 | 122.8 | 125.1 | 126.6 |
| 92.5° | 217.4 | 186.4 | 167.8 | 160.0 | 152.1 | 151.9 | 152.4 | 152.7 |
| 95° | 611.0 | 503.7 | 417.8 | 359.1 | 308.3 | 287.7 | 283.3 | 273.1 |
| 97.5° | 864.9 | 790.9 | 707.1 | 624.1 | 580.0 | 540.3 | 520.3 | 512.4 |
| 100° | 978.3 | 946.7 | 875.3 | 801.6 | 752.1 | 700.4 | 674.4 | 663.9 |
| 102.5° | 1014.3 | 1040.9 | 1008.9 | 959.9 | 906.8 | 870.3 | 842.1 | 834.5 |
| 105° | 985.2 | 1090.5 | 1127.3 | 1122.2 | 1100.0 | 1077.3 | 1064.0 | 1056.8 |
| 107.5° | 897.3 | 1036.3 | 1123.9 | 1165.2 | 1178.5 | 1179.7 | 1176.2 | 1171.7 |
| 110° | 832.5 | 976.7 | 1084.7 | 1150.2 | 1184.9 | 1200.4 | 1207.1 | 1208.6 |



TEST NUMBER: P333228-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 780.7 | 917.6 | 1026.6 | 1103.2 | 1153.2 | 1178.8 | 1193.2 | 1200.0 |
| 115° | 715.2 | 833.3 | 938.2 | 1021.2 | 1080.0 | 1116.6 | 1138.6 | 1149.4 |
| 117.5° | 670.8 | 773.0 | 863.7 | 939.9 | 998.9 | 1036.9 | 1058.9 | 1066.3 |
| 120° | 646.5 | 738.6 | 823.4 | 890.7 | 946.6 | 983.3 | 1004.5 | 1011.6 |
| 122.5° | 627.1 | 712.6 | 788.3 | 851.4 | 901.4 | 935.1 | 956.3 | 962.9 |
| 125° | 599.2 | 677.8 | 745.4 | 800.8 | 843.1 | 874.4 | 891.7 | 900.1 |
| 127.5° | 570.5 | 643.9 | 707.0 | 758.9 | 797.6 | 825.6 | 842.2 | 846.6 |
| 130° | 553.1 | 621.0 | 681.6 | 731.5 | 769.4 | 794.8 | 810.7 | 816.1 |
| 132.5° | 535.3 | 599.0 | 654.2 | 702.4 | 740.1 | 765.3 | 779.9 | 785.7 |
| 135° | 511.0 | 564.6 | 614.6 | 658.6 | 692.1 | 717.5 | 731.9 | 737.4 |
| 137.5° | 490.7 | 534.3 | 576.2 | 613.5 | 643.5 | 666.4 | 679.5 | 685.2 |
| 140° | 479.1 | 516.1 | 552.4 | 585.0 | 613.2 | 633.2 | 645.2 | 649.7 |
| 142.5° | 469.2 | 500.6 | 531.8 | 560.1 | 584.1 | 601.2 | 612.6 | 616.5 |
| 145° | 456.9 | 480.8 | 504.7 | 525.7 | 544.2 | 557.6 | 566.6 | 570.4 |
| 147.5° | 446.0 | 464.9 | 482.8 | 498.2 | 512.6 | 523.0 | 528.1 | 529.8 |
| 150° | 440.0 | 456.2 | 470.1 | 483.5 | 494.8 | 503.9 | 507.1 | 508.0 |
| 152.5° | 434.0 | 448.6 | 461.4 | 471.6 | 481.0 | 488.1 | 491.2 | 491.9 |
| 155° | 425.3 | 437.1 | 447.3 | 455.4 | 462.8 | 468.0 | 470.1 | 470.9 |
| 157.5° | 416.4 | 426.1 | 434.0 | 440.5 | 446.2 | 450.4 | 452.5 | 452.3 |
| 160° | 410.5 | 417.8 | 425.3 | 430.4 | 435.5 | 439.2 | 440.7 | 440.0 |
| 162.5° | 404.0 | 410.8 | 417.0 | 421.5 | 425.6 | 428.6 | 429.0 | 428.8 |
| 165° | 395.0 | 400.2 | 404.6 | 408.3 | 411.2 | 412.7 | 412.7 | 412.7 |
| 167.5° | 386.4 | 389.8 | 393.2 | 395.9 | 397.4 | 398.7 | 398.1 | 397.9 |
| 170° | 381.7 | 384.0 | 386.2 | 387.7 | 389.1 | 389.8 | 389.8 | 389.1 |
| 172.5° | 376.5 | 378.6 | 380.3 | 381.2 | 381.4 | 382.8 | 381.6 | 380.9 |
| 175° | 370.7 | 370.7 | 372.2 | 372.2 | 372.2 | 372.9 | 371.5 | 370.7 |
| 177.5° | 366.7 | 367.3 | 367.3 | 367.3 | 366.7 | 367.3 | 365.5 | 365.5 |
| 180° | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 | 365.5 |

(END OF REPORT)