

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: P333249-940

Luminaire Tested: **S125DIP-S850D1205U940-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333249-940
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-S850D1205U940-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6902.9 lumens
Efficiency: N/A
Efficacy: 121.3 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: General Diffuse

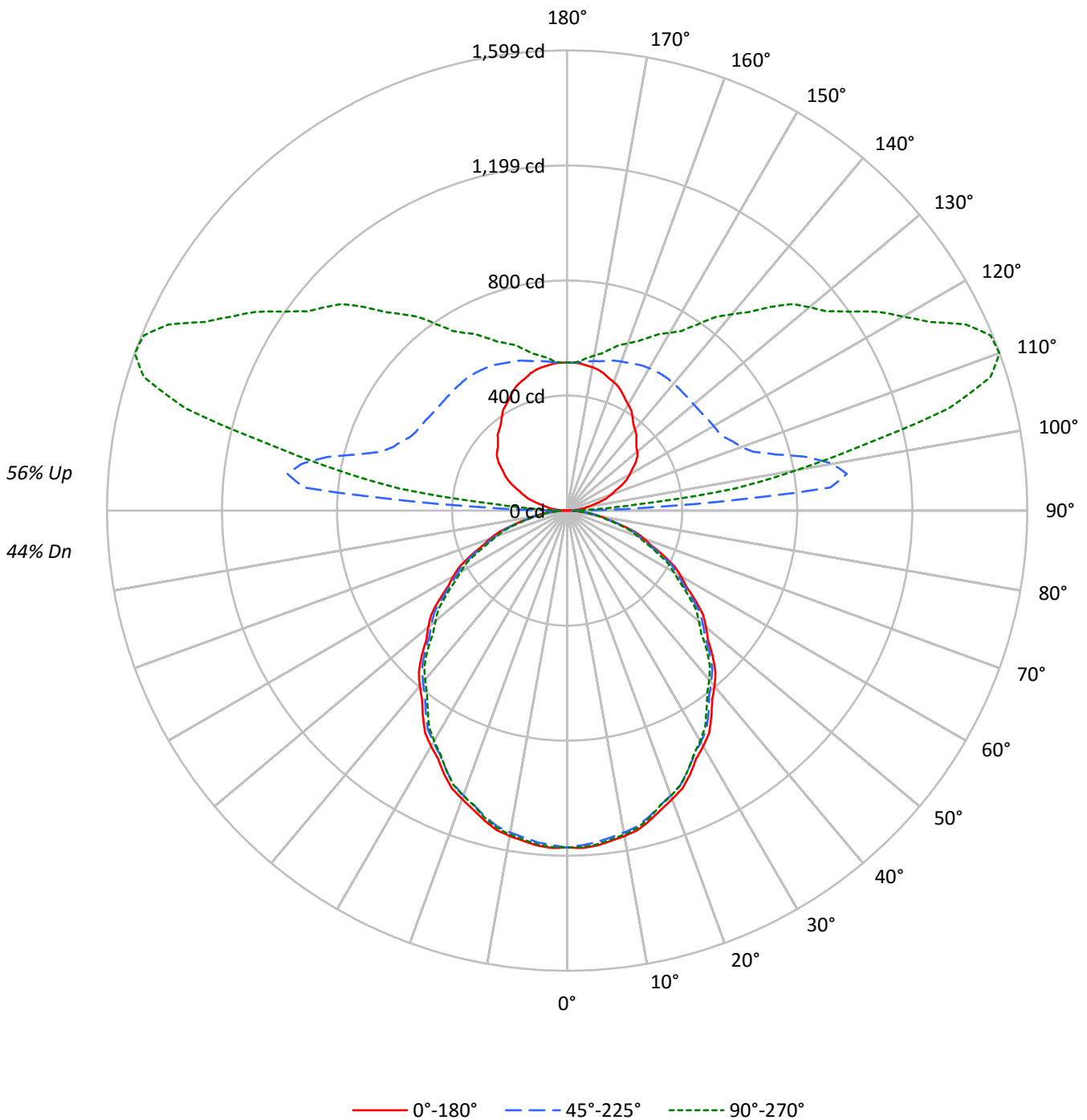
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 | | | | |
| 1 | 96 | 92 | 88 | 85 | 88 | 84 | 81 | 78 | 70 | 68 | 66 | 57 | 55 | 54 | 45 | 44 | 43 | 37 | | | | |
| 2 | 88 | 80 | 74 | 69 | 80 | 74 | 69 | 64 | 61 | 58 | 54 | 50 | 47 | 45 | 39 | 38 | 36 | 31 | | | | |
| 3 | 80 | 71 | 63 | 58 | 73 | 65 | 59 | 53 | 54 | 49 | 46 | 44 | 41 | 38 | 35 | 33 | 31 | 26 | | | | |
| 4 | 73 | 62 | 55 | 49 | 67 | 57 | 51 | 45 | 48 | 43 | 39 | 39 | 35 | 32 | 31 | 28 | 26 | 22 | | | | |
| 5 | 67 | 56 | 48 | 42 | 61 | 51 | 44 | 39 | 43 | 38 | 33 | 35 | 31 | 28 | 28 | 25 | 23 | 20 | | | | |
| 6 | 62 | 50 | 42 | 36 | 56 | 46 | 39 | 34 | 39 | 33 | 29 | 32 | 28 | 25 | 25 | 22 | 20 | 17 | | | | |
| 7 | 57 | 45 | 37 | 31 | 52 | 41 | 34 | 29 | 35 | 30 | 26 | 29 | 25 | 22 | 23 | 20 | 18 | 15 | | | | |
| 8 | 53 | 41 | 33 | 28 | 48 | 38 | 31 | 26 | 32 | 27 | 23 | 26 | 22 | 19 | 21 | 18 | 16 | 14 | | | | |
| 9 | 49 | 37 | 30 | 25 | 45 | 34 | 28 | 23 | 29 | 24 | 20 | 24 | 20 | 17 | 20 | 17 | 14 | 12 | | | | |
| 10 | 46 | 34 | 27 | 22 | 42 | 32 | 25 | 21 | 27 | 22 | 18 | 22 | 18 | 16 | 18 | 15 | 13 | 11 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 7559 | 7559 | 7559 |
| 5° | 7577 | 7505 | 7553 |
| 10° | 7531 | 7452 | 7494 |
| 15° | 7449 | 7362 | 7393 |
| 20° | 7332 | 7236 | 7249 |
| 25° | 7207 | 7088 | 7081 |
| 30° | 7052 | 6927 | 6893 |
| 35° | 6885 | 6754 | 6659 |
| 40° | 6715 | 6566 | 6473 |
| 45° | 6530 | 6395 | 6268 |
| 50° | 6327 | 6187 | 6002 |
| 55° | 6132 | 5954 | 5788 |
| 60° | 5898 | 5717 | 5515 |
| 65° | 5619 | 5434 | 5251 |
| 70° | 5351 | 5108 | 4932 |
| 75° | 4876 | 4716 | 4551 |
| 80° | 4340 | 4273 | 4169 |
| 85° | 3772 | 3846 | 3631 |



TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 110.4 | 1.6 |
| 10°-20° | 311.8 | 4.5 |
| 20°-30° | 460.3 | 6.7 |
| 30°-40° | 537.2 | 7.8 |
| 40°-50° | 539.5 | 7.8 |
| 50°-60° | 473.6 | 6.9 |
| 60°-70° | 352.9 | 5.1 |
| 70°-80° | 201.8 | 2.9 |
| 80°-90° | 61.6 | 0.9 |
| 90°-100° | 372.5 | 5.4 |
| 100°-110° | 800.8 | 11.6 |
| 110°-120° | 751.5 | 10.9 |
| 120°-130° | 609.1 | 8.8 |
| 130°-140° | 488.8 | 7.1 |
| 140°-150° | 368.8 | 5.3 |
| 150°-160° | 259.6 | 3.8 |
| 160°-170° | 153.0 | 2.2 |
| 170°-180° | 49.8 | 0.7 |
| 0°-30° | 882.5 | 12.8 |
| 0°-40° | 1419.6 | 20.6 |
| 0°-60° | 2432.7 | 35.2 |
| 0°-90° | 3048.9 | 44.2 |
| 90°-120° | 1924.8 | 27.9 |
| 90°-150° | 3391.5 | 49.1 |
| 90°-180° | 3854.0 | 55.8 |
| 0°-180° | 6902.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1170 | 1170 | 1170 | 1170 | 1170 | |
| 5° | 1169 | 1166 | 1158 | 1165 | 1165 | 111 |
| 15° | 1114 | 1111 | 1101 | 1106 | 1106 | 314 |
| 25° | 1011 | 1006 | 995 | 996 | 994 | 465 |
| 35° | 873 | 869 | 857 | 852 | 845 | 546 |
| 45° | 715 | 711 | 700 | 690 | 686 | 551 |
| 55° | 545 | 541 | 529 | 521 | 514 | 486 |
| 65° | 368 | 365 | 356 | 348 | 344 | 365 |
| 75° | 195 | 193 | 189 | 186 | 182 | 208 |
| 85° | 51 | 52 | 52 | 51 | 49 | 57 |
| 90° | 1 | 9 | 17 | 22 | 24 | 5 |
| 95° | 34 | 101 | 918 | 416 | 244 | 36 |
| 105° | 117 | 164 | 751 | 1479 | 1373 | 123 |
| 115° | 209 | 252 | 603 | 1300 | 1529 | 206 |
| 125° | 290 | 340 | 578 | 1034 | 1205 | 257 |
| 135° | 340 | 409 | 574 | 867 | 1001 | 264 |
| 145° | 396 | 453 | 576 | 718 | 790 | 248 |
| 155° | 452 | 486 | 562 | 635 | 662 | 208 |
| 165° | 493 | 507 | 539 | 571 | 580 | 139 |
| 175° | 513 | 513 | 517 | 523 | 521 | 49 |
| 180° | 514 | 514 | 514 | 514 | 514 | |



TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 |
| 2.5° | 1173.6 | 1173.0 | 1172.6 | 1172.1 | 1171.5 | 1170.5 | 1168.9 | 1167.2 | 1165.6 | 1164.0 | 1165.6 |
| 5° | 1168.8 | 1168.3 | 1167.9 | 1167.5 | 1167.1 | 1165.8 | 1163.8 | 1161.7 | 1159.7 | 1157.6 | 1159.5 |
| 7.5° | 1158.0 | 1157.6 | 1157.2 | 1156.7 | 1156.4 | 1155.0 | 1152.7 | 1150.5 | 1148.3 | 1145.9 | 1147.7 |
| 10° | 1148.3 | 1148.0 | 1147.5 | 1147.1 | 1146.7 | 1145.4 | 1143.1 | 1140.9 | 1138.6 | 1136.3 | 1138.0 |
| 12.5° | 1136.5 | 1135.8 | 1135.1 | 1134.3 | 1133.5 | 1132.1 | 1130.1 | 1127.9 | 1125.8 | 1123.7 | 1125.1 |
| 15° | 1114.1 | 1113.5 | 1112.9 | 1112.2 | 1111.6 | 1110.2 | 1108.0 | 1105.6 | 1103.4 | 1101.1 | 1102.2 |
| 17.5° | 1088.3 | 1087.4 | 1086.5 | 1085.7 | 1084.8 | 1083.1 | 1080.8 | 1078.4 | 1076.0 | 1073.7 | 1075.0 |
| 20° | 1066.8 | 1066.5 | 1066.0 | 1065.6 | 1065.2 | 1063.6 | 1061.0 | 1058.3 | 1055.6 | 1052.9 | 1054.4 |
| 22.5° | 1045.4 | 1044.6 | 1043.9 | 1043.1 | 1042.4 | 1040.8 | 1038.3 | 1035.7 | 1033.2 | 1030.7 | 1031.7 |
| 25° | 1011.3 | 1010.3 | 1009.2 | 1008.2 | 1007.2 | 1005.3 | 1002.6 | 1000.0 | 997.3 | 994.6 | 995.1 |
| 27.5° | 971.4 | 970.9 | 970.3 | 969.6 | 969.0 | 967.3 | 964.6 | 961.8 | 959.0 | 956.3 | 956.4 |
| 30° | 945.6 | 944.9 | 944.3 | 943.7 | 943.1 | 941.2 | 938.2 | 935.0 | 931.9 | 928.9 | 928.4 |
| 32.5° | 917.4 | 916.4 | 915.5 | 914.5 | 913.6 | 911.8 | 909.0 | 906.2 | 903.5 | 900.7 | 900.0 |
| 35° | 873.3 | 872.4 | 871.6 | 870.8 | 870.0 | 868.2 | 865.3 | 862.4 | 859.5 | 856.7 | 855.6 |
| 37.5° | 827.6 | 826.5 | 825.5 | 824.5 | 823.4 | 821.5 | 818.9 | 816.1 | 813.4 | 810.7 | 809.1 |
| 40° | 796.5 | 795.4 | 794.4 | 793.4 | 792.3 | 790.4 | 787.5 | 784.6 | 781.8 | 778.8 | 777.0 |
| 42.5° | 763.1 | 762.2 | 761.3 | 760.5 | 759.6 | 757.8 | 754.9 | 752.0 | 749.1 | 746.3 | 744.6 |
| 45° | 715.0 | 714.1 | 713.3 | 712.5 | 711.7 | 710.0 | 707.6 | 705.1 | 702.6 | 700.2 | 697.7 |
| 47.5° | 663.1 | 663.2 | 663.2 | 663.2 | 663.3 | 661.8 | 658.8 | 655.9 | 652.9 | 650.0 | 647.4 |
| 50° | 629.7 | 629.1 | 628.5 | 627.9 | 627.3 | 625.7 | 623.3 | 620.8 | 618.3 | 615.8 | 613.1 |
| 52.5° | 595.7 | 595.2 | 594.8 | 594.3 | 593.9 | 592.3 | 589.7 | 587.0 | 584.4 | 581.8 | 579.4 |
| 55° | 544.6 | 543.9 | 543.3 | 542.7 | 542.1 | 540.3 | 537.4 | 534.6 | 531.6 | 528.8 | 526.9 |
| 57.5° | 490.6 | 490.4 | 490.0 | 489.6 | 489.4 | 487.9 | 485.5 | 483.1 | 480.6 | 478.2 | 475.8 |
| 60° | 456.6 | 455.8 | 455.0 | 454.1 | 453.3 | 451.7 | 449.4 | 447.2 | 445.0 | 442.6 | 440.6 |
| 62.5° | 421.0 | 420.4 | 419.7 | 419.0 | 418.4 | 417.1 | 415.2 | 413.2 | 411.3 | 409.3 | 407.2 |
| 65° | 367.7 | 367.2 | 366.8 | 366.4 | 366.0 | 364.7 | 362.4 | 360.2 | 357.8 | 355.6 | 353.7 |
| 67.5° | 316.0 | 315.1 | 314.2 | 313.3 | 312.5 | 311.2 | 309.6 | 307.9 | 306.2 | 304.5 | 302.9 |
| 70° | 283.4 | 282.3 | 281.3 | 280.3 | 279.3 | 277.9 | 276.0 | 274.1 | 272.2 | 270.5 | 269.2 |
| 72.5° | 247.8 | 247.1 | 246.4 | 245.8 | 245.0 | 244.1 | 242.9 | 241.7 | 240.5 | 239.3 | 237.9 |
| 75° | 195.4 | 195.0 | 194.6 | 194.2 | 193.8 | 193.1 | 192.0 | 191.0 | 189.9 | 189.0 | 188.3 |
| 77.5° | 147.0 | 146.9 | 146.8 | 146.6 | 146.4 | 146.1 | 145.4 | 144.9 | 144.3 | 143.7 | 143.4 |
| 80° | 116.7 | 116.7 | 116.7 | 116.7 | 116.7 | 116.5 | 116.1 | 115.7 | 115.2 | 114.9 | 114.7 |
| 82.5° | 90.0 | 89.7 | 89.3 | 89.0 | 88.7 | 88.5 | 88.4 | 88.4 | 88.3 | 88.2 | 87.8 |
| 85° | 50.9 | 51.2 | 51.4 | 51.5 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.6 |
| 87.5° | 20.2 | 20.4 | 20.9 | 21.2 | 21.7 | 22.0 | 22.0 | 22.3 | 22.3 | 22.6 | 22.8 |
| 90° | 1.1 | 2.1 | 4.1 | 6.2 | 8.3 | 10.3 | 11.4 | 13.5 | 14.5 | 16.6 | 17.7 |
| 92.5° | 12.7 | 15.3 | 24.1 | 36.9 | 54.8 | 85.0 | 141.5 | 236.5 | 339.5 | 334.0 | 270.5 |
| 95° | 34.2 | 35.2 | 43.5 | 54.9 | 77.7 | 124.3 | 235.2 | 463.2 | 749.1 | 918.0 | 898.3 |
| 97.5° | 56.8 | 58.1 | 63.8 | 75.3 | 95.8 | 129.3 | 202.7 | 369.7 | 669.0 | 980.3 | 1136.7 |
| 100° | 72.5 | 74.6 | 78.7 | 90.2 | 109.9 | 140.9 | 201.0 | 335.7 | 596.8 | 935.6 | 1194.6 |
| 102.5° | 90.0 | 91.2 | 94.5 | 106.7 | 124.8 | 155.0 | 208.5 | 321.6 | 542.1 | 856.8 | 1159.8 |
| 105° | 117.1 | 117.1 | 122.3 | 132.6 | 149.2 | 178.3 | 223.8 | 316.0 | 489.0 | 751.2 | 1048.6 |
| 107.5° | 143.6 | 145.7 | 150.6 | 159.2 | 176.4 | 202.4 | 246.6 | 325.6 | 466.6 | 678.4 | 935.0 |
| 110° | 162.6 | 164.8 | 168.9 | 178.3 | 193.8 | 220.7 | 263.1 | 334.7 | 460.0 | 644.4 | 870.3 |



TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 181.7 | 183.8 | 187.1 | 196.4 | 212.0 | 238.1 | 278.9 | 346.3 | 460.0 | 624.6 | 822.2 |
| 115° | 209.3 | 211.3 | 214.5 | 223.8 | 239.3 | 265.3 | 303.6 | 363.6 | 463.2 | 603.1 | 769.8 |
| 117.5° | 234.2 | 237.3 | 240.6 | 249.9 | 267.5 | 292.6 | 328.9 | 383.6 | 470.0 | 592.5 | 738.5 |
| 120° | 250.7 | 253.9 | 258.0 | 267.3 | 284.9 | 310.9 | 347.1 | 396.8 | 476.6 | 587.5 | 721.1 |
| 122.5° | 268.1 | 270.5 | 273.8 | 283.0 | 302.4 | 328.2 | 364.5 | 411.8 | 482.4 | 583.4 | 706.2 |
| 125° | 290.1 | 292.2 | 297.4 | 306.7 | 326.4 | 353.3 | 387.5 | 432.0 | 492.1 | 578.2 | 685.9 |
| 127.5° | 307.3 | 310.4 | 317.1 | 328.9 | 349.8 | 376.7 | 409.7 | 450.8 | 503.1 | 575.7 | 667.3 |
| 130° | 318.1 | 321.2 | 329.5 | 343.0 | 364.7 | 391.6 | 423.7 | 463.2 | 509.8 | 574.0 | 654.9 |
| 132.5° | 326.4 | 330.3 | 340.3 | 355.4 | 378.0 | 404.9 | 437.0 | 473.9 | 517.2 | 574.0 | 644.9 |
| 135° | 339.8 | 344.0 | 356.4 | 373.0 | 394.8 | 422.8 | 454.9 | 489.0 | 527.4 | 574.0 | 633.1 |
| 137.5° | 356.9 | 360.0 | 371.6 | 388.2 | 409.5 | 438.3 | 467.5 | 500.2 | 536.7 | 575.2 | 622.5 |
| 140° | 366.8 | 369.9 | 382.4 | 399.0 | 418.6 | 446.6 | 476.6 | 507.7 | 540.8 | 576.0 | 617.5 |
| 142.5° | 378.4 | 380.7 | 392.3 | 408.8 | 427.8 | 454.1 | 482.4 | 511.8 | 543.3 | 576.9 | 613.4 |
| 145° | 395.8 | 397.9 | 408.2 | 422.8 | 441.4 | 465.2 | 492.1 | 518.1 | 546.1 | 576.0 | 607.2 |
| 147.5° | 414.0 | 415.3 | 424.2 | 437.7 | 453.8 | 474.7 | 498.4 | 521.8 | 547.1 | 573.4 | 600.7 |
| 150° | 424.8 | 426.9 | 434.2 | 447.6 | 462.1 | 479.7 | 502.5 | 524.3 | 547.1 | 570.9 | 595.8 |
| 152.5° | 436.4 | 437.7 | 444.1 | 455.9 | 469.6 | 485.5 | 506.7 | 525.9 | 546.3 | 567.6 | 590.0 |
| 155° | 451.7 | 451.7 | 458.0 | 468.3 | 478.7 | 493.2 | 510.8 | 527.4 | 543.9 | 561.6 | 580.2 |
| 157.5° | 465.5 | 465.2 | 470.2 | 479.1 | 488.2 | 499.2 | 514.3 | 528.4 | 541.3 | 555.4 | 571.1 |
| 160° | 474.6 | 473.5 | 477.7 | 484.9 | 493.2 | 502.5 | 516.0 | 528.4 | 538.8 | 551.3 | 563.7 |
| 162.5° | 482.0 | 481.0 | 485.1 | 491.5 | 498.2 | 505.9 | 517.6 | 527.6 | 536.3 | 546.3 | 557.1 |
| 165° | 493.2 | 491.2 | 494.3 | 499.4 | 503.5 | 509.8 | 518.1 | 526.4 | 532.5 | 538.8 | 547.1 |
| 167.5° | 500.7 | 499.6 | 501.5 | 504.4 | 507.3 | 511.2 | 518.1 | 523.9 | 526.7 | 531.5 | 537.3 |
| 170° | 505.6 | 504.6 | 505.6 | 507.7 | 509.8 | 512.9 | 518.1 | 522.2 | 524.3 | 527.4 | 531.5 |
| 172.5° | 509.0 | 507.1 | 508.1 | 510.1 | 511.4 | 512.9 | 517.2 | 520.6 | 520.9 | 522.5 | 525.8 |
| 175° | 512.9 | 510.8 | 511.8 | 512.9 | 512.9 | 512.9 | 516.0 | 518.1 | 517.0 | 517.0 | 518.1 |
| 177.5° | 514.8 | 513.1 | 513.1 | 513.9 | 513.1 | 513.1 | 514.8 | 515.6 | 513.9 | 513.9 | 514.8 |
| 180° | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 |



TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 | 1170.5 |
| 2.5° | 1167.2 | 1168.9 | 1170.5 | 1171.3 | 1171.1 | 1170.9 | 1170.7 | 1170.5 |
| 5° | 1161.4 | 1163.1 | 1165.0 | 1165.8 | 1165.6 | 1165.5 | 1165.2 | 1165.0 |
| 7.5° | 1149.6 | 1151.4 | 1153.2 | 1154.0 | 1153.8 | 1153.6 | 1153.3 | 1153.2 |
| 10° | 1139.6 | 1141.3 | 1142.9 | 1143.6 | 1143.4 | 1143.2 | 1143.0 | 1142.8 |
| 12.5° | 1126.3 | 1127.7 | 1129.0 | 1129.6 | 1129.6 | 1129.5 | 1129.5 | 1129.4 |
| 15° | 1103.2 | 1104.2 | 1105.3 | 1105.7 | 1105.7 | 1105.7 | 1105.7 | 1105.7 |
| 17.5° | 1076.3 | 1077.5 | 1078.8 | 1079.0 | 1077.9 | 1076.9 | 1075.8 | 1074.9 |
| 20° | 1055.9 | 1057.3 | 1058.7 | 1058.9 | 1057.9 | 1056.9 | 1055.9 | 1054.8 |
| 22.5° | 1032.6 | 1033.6 | 1034.6 | 1034.7 | 1033.9 | 1033.2 | 1032.5 | 1031.9 |
| 25° | 995.4 | 995.9 | 996.3 | 996.1 | 995.6 | 995.0 | 994.3 | 993.7 |
| 27.5° | 956.4 | 956.5 | 956.6 | 956.4 | 955.7 | 955.1 | 954.5 | 953.9 |
| 30° | 928.1 | 927.6 | 927.2 | 926.8 | 926.1 | 925.5 | 924.9 | 924.3 |
| 32.5° | 899.2 | 898.5 | 897.8 | 896.8 | 895.7 | 894.6 | 893.5 | 892.4 |
| 35° | 854.6 | 853.5 | 852.6 | 851.2 | 849.5 | 847.9 | 846.2 | 844.6 |
| 37.5° | 807.6 | 806.1 | 804.6 | 803.3 | 802.5 | 801.5 | 800.6 | 799.6 |
| 40° | 775.2 | 773.3 | 771.4 | 770.2 | 769.5 | 769.0 | 768.4 | 767.8 |
| 42.5° | 742.9 | 741.2 | 739.5 | 738.2 | 737.3 | 736.3 | 735.3 | 734.4 |
| 45° | 695.2 | 692.7 | 690.3 | 688.7 | 688.1 | 687.5 | 686.9 | 686.3 |
| 47.5° | 644.9 | 642.4 | 639.9 | 637.9 | 636.5 | 635.1 | 633.6 | 632.1 |
| 50° | 610.5 | 607.8 | 605.1 | 603.1 | 601.6 | 600.2 | 598.8 | 597.4 |
| 52.5° | 577.1 | 574.7 | 572.4 | 570.4 | 568.8 | 567.2 | 565.6 | 564.0 |
| 55° | 525.1 | 523.3 | 521.4 | 519.8 | 518.3 | 516.8 | 515.4 | 514.0 |
| 57.5° | 473.5 | 471.1 | 468.7 | 467.1 | 466.3 | 465.6 | 464.8 | 464.0 |
| 60° | 438.5 | 436.5 | 434.4 | 432.7 | 431.2 | 429.8 | 428.4 | 427.0 |
| 62.5° | 404.9 | 402.7 | 400.5 | 398.8 | 397.7 | 396.5 | 395.5 | 394.3 |
| 65° | 352.0 | 350.1 | 348.2 | 346.9 | 346.1 | 345.3 | 344.4 | 343.6 |
| 67.5° | 301.4 | 299.8 | 298.3 | 297.2 | 296.8 | 296.2 | 295.7 | 295.2 |
| 70° | 268.0 | 266.7 | 265.5 | 264.5 | 263.6 | 262.8 | 262.0 | 261.2 |
| 72.5° | 236.5 | 235.1 | 233.7 | 232.6 | 231.8 | 231.0 | 230.2 | 229.3 |
| 75° | 187.7 | 187.1 | 186.5 | 185.7 | 184.9 | 184.0 | 183.2 | 182.4 |
| 77.5° | 143.0 | 142.6 | 142.2 | 141.8 | 141.2 | 140.6 | 140.1 | 139.5 |
| 80° | 114.4 | 114.2 | 114.0 | 113.7 | 113.3 | 112.9 | 112.4 | 112.1 |
| 82.5° | 87.4 | 87.0 | 86.7 | 86.5 | 86.4 | 86.3 | 86.2 | 86.1 |
| 85° | 51.5 | 51.3 | 51.0 | 50.7 | 50.3 | 49.9 | 49.5 | 49.0 |
| 87.5° | 23.0 | 23.2 | 23.4 | 23.6 | 23.4 | 23.0 | 22.9 | 22.6 |
| 90° | 18.6 | 19.7 | 20.7 | 22.8 | 22.8 | 22.8 | 23.8 | 23.8 |
| 92.5° | 183.6 | 133.2 | 100.3 | 85.0 | 71.7 | 69.2 | 67.8 | 66.1 |
| 95° | 744.9 | 587.5 | 460.0 | 373.0 | 299.4 | 268.3 | 260.1 | 243.5 |
| 97.5° | 1109.5 | 999.1 | 874.9 | 753.9 | 689.8 | 631.9 | 601.8 | 588.5 |
| 100° | 1274.4 | 1223.7 | 1117.0 | 1009.1 | 937.7 | 863.1 | 824.7 | 808.2 |
| 102.5° | 1330.0 | 1361.3 | 1310.1 | 1237.2 | 1160.7 | 1107.6 | 1066.0 | 1053.6 |
| 105° | 1297.3 | 1439.2 | 1484.8 | 1473.4 | 1440.2 | 1406.0 | 1385.3 | 1372.9 |
| 107.5° | 1180.4 | 1369.8 | 1486.8 | 1541.0 | 1557.7 | 1557.6 | 1550.7 | 1542.4 |
| 110° | 1094.1 | 1291.0 | 1437.1 | 1525.2 | 1571.8 | 1591.5 | 1598.7 | 1598.7 |



TEST NUMBER: P333249-940

CATALOG NUMBER: S125DIP-S850D1205U940-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1026.2 | 1213.1 | 1360.8 | 1464.6 | 1532.9 | 1566.6 | 1584.7 | 1592.1 |
| 115° | 940.8 | 1101.4 | 1243.3 | 1356.3 | 1437.1 | 1486.8 | 1515.8 | 1529.3 |
| 117.5° | 885.6 | 1024.1 | 1146.4 | 1250.0 | 1330.8 | 1382.2 | 1411.0 | 1419.2 |
| 120° | 855.9 | 980.2 | 1094.1 | 1185.4 | 1262.0 | 1311.7 | 1339.7 | 1348.0 |
| 122.5° | 833.5 | 948.7 | 1050.3 | 1135.6 | 1204.0 | 1249.6 | 1277.6 | 1285.0 |
| 125° | 800.9 | 906.6 | 996.8 | 1071.4 | 1129.4 | 1171.9 | 1194.6 | 1205.1 |
| 127.5° | 767.8 | 866.4 | 950.6 | 1020.4 | 1073.0 | 1110.5 | 1132.1 | 1136.7 |
| 130° | 747.1 | 838.2 | 919.1 | 986.4 | 1038.2 | 1072.4 | 1093.1 | 1099.3 |
| 132.5° | 726.3 | 811.7 | 885.0 | 949.9 | 1001.7 | 1035.9 | 1055.0 | 1062.0 |
| 135° | 699.4 | 770.9 | 837.2 | 896.3 | 941.8 | 976.1 | 994.7 | 1000.9 |
| 137.5° | 676.6 | 734.4 | 789.5 | 839.7 | 880.5 | 911.6 | 928.8 | 935.6 |
| 140° | 664.1 | 712.8 | 760.5 | 804.1 | 842.4 | 869.3 | 884.8 | 890.0 |
| 142.5° | 653.4 | 694.6 | 735.7 | 773.4 | 805.9 | 828.7 | 843.4 | 847.7 |
| 145° | 639.3 | 671.4 | 703.6 | 731.5 | 756.3 | 774.0 | 785.4 | 789.5 |
| 147.5° | 626.1 | 652.1 | 676.8 | 697.9 | 717.6 | 731.7 | 738.3 | 740.2 |
| 150° | 618.6 | 641.4 | 661.0 | 679.7 | 695.3 | 707.7 | 711.9 | 712.8 |
| 152.5° | 610.3 | 630.6 | 648.6 | 663.2 | 676.2 | 686.1 | 690.3 | 691.3 |
| 155° | 597.8 | 614.4 | 628.9 | 640.3 | 650.7 | 657.9 | 661.0 | 662.1 |
| 157.5° | 585.4 | 599.1 | 610.3 | 619.2 | 627.2 | 633.3 | 636.1 | 636.0 |
| 160° | 577.1 | 587.5 | 597.8 | 605.1 | 612.3 | 617.5 | 619.6 | 618.6 |
| 162.5° | 568.0 | 577.6 | 586.2 | 592.6 | 598.2 | 602.6 | 603.1 | 602.8 |
| 165° | 555.4 | 562.6 | 568.8 | 574.0 | 578.2 | 580.2 | 580.2 | 580.2 |
| 167.5° | 543.3 | 548.1 | 552.9 | 556.6 | 558.7 | 560.5 | 559.7 | 559.5 |
| 170° | 536.7 | 539.8 | 543.0 | 545.0 | 547.1 | 548.1 | 548.1 | 547.1 |
| 172.5° | 529.2 | 532.4 | 534.7 | 535.9 | 536.3 | 538.1 | 536.5 | 535.5 |
| 175° | 521.2 | 521.2 | 523.3 | 523.3 | 523.3 | 524.3 | 522.2 | 521.2 |
| 177.5° | 515.6 | 516.4 | 516.4 | 516.4 | 515.6 | 516.4 | 513.9 | 513.9 |
| 180° | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 | 513.9 |

(END OF REPORT)