

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: P333567

Luminaire Tested: **S125RDIP-S850D810U835-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333567
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: S125RDIP-S850D810U835-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED
HOUSING
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6159.0 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: General Diffuse

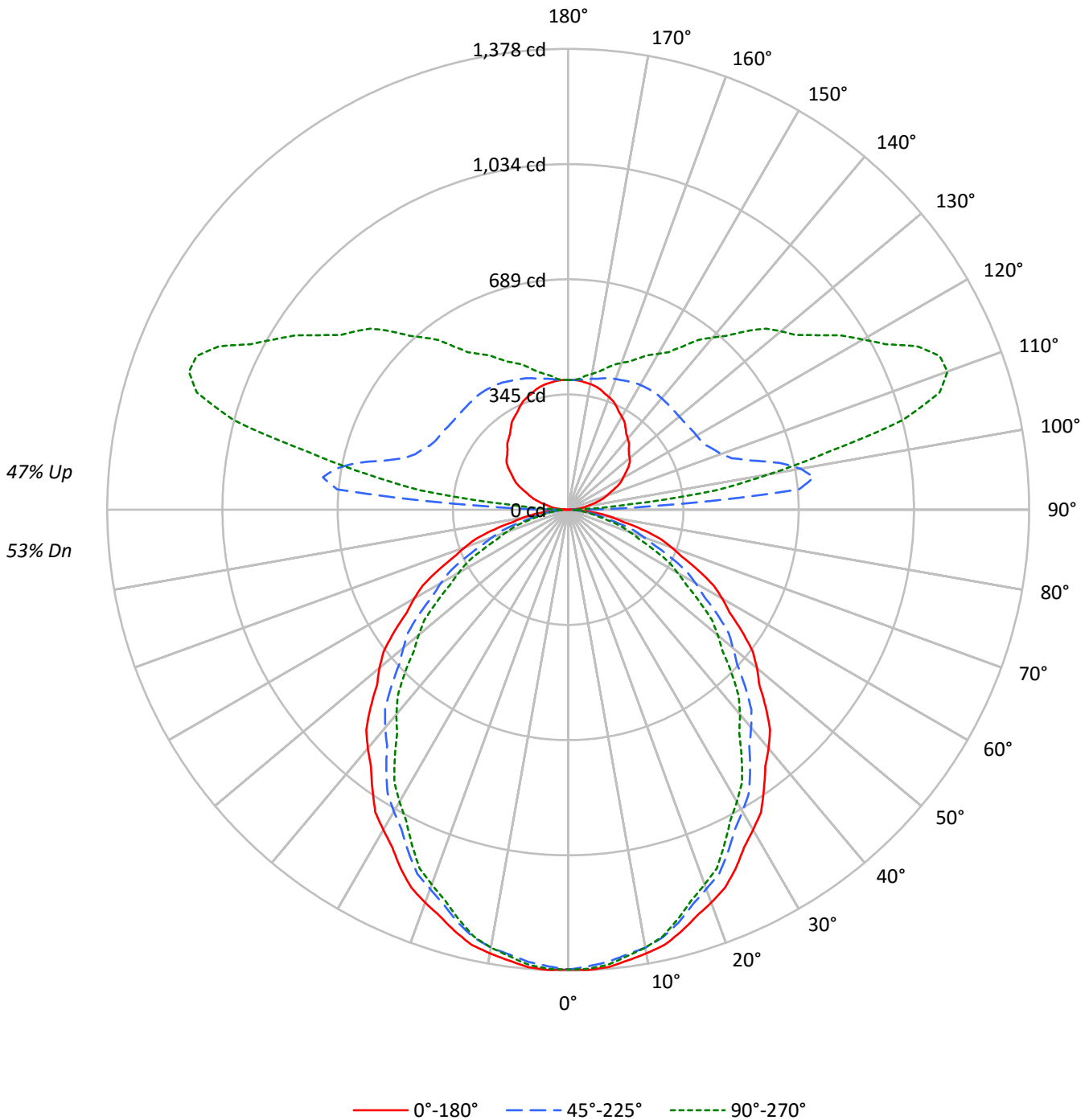
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 59 | 59 | 59 | 53 |
| 1 | 99 | 94 | 91 | 87 | 91 | 88 | 84 | 81 | 75 | 72 | 70 | 63 | 61 | 60 | 52 | 51 | 50 | 45 |
| 2 | 90 | 83 | 77 | 72 | 83 | 77 | 72 | 67 | 66 | 62 | 58 | 56 | 53 | 50 | 46 | 44 | 42 | 38 |
| 3 | 82 | 73 | 66 | 60 | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 43 | 41 | 39 | 36 | 32 |
| 4 | 75 | 65 | 57 | 51 | 70 | 60 | 53 | 48 | 52 | 47 | 42 | 44 | 40 | 37 | 37 | 34 | 31 | 28 |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 41 | 46 | 41 | 37 | 40 | 35 | 32 | 33 | 30 | 28 | 24 |
| 6 | 64 | 52 | 44 | 38 | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 36 | 32 | 28 | 30 | 27 | 24 | 22 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 32 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 22 | 19 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 26 | 22 | 25 | 22 | 20 | 17 |
| 9 | 51 | 39 | 31 | 26 | 47 | 37 | 30 | 25 | 32 | 26 | 23 | 28 | 23 | 20 | 24 | 20 | 18 | 16 |
| 10 | 48 | 36 | 29 | 24 | 44 | 34 | 27 | 23 | 29 | 24 | 20 | 26 | 21 | 18 | 22 | 19 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8881 | 8881 | 8881 |
| 5° | 8901 | 8800 | 8854 |
| 10° | 8834 | 8718 | 8718 |
| 15° | 8729 | 8541 | 8471 |
| 20° | 8594 | 8294 | 8194 |
| 25° | 8437 | 8052 | 7874 |
| 30° | 8240 | 7768 | 7520 |
| 35° | 8041 | 7476 | 7123 |
| 40° | 7854 | 7171 | 6734 |
| 45° | 7626 | 6830 | 6308 |
| 50° | 7398 | 6459 | 5865 |
| 55° | 7133 | 6104 | 5391 |
| 60° | 6868 | 5674 | 4883 |
| 65° | 6554 | 5174 | 4300 |
| 70° | 6197 | 4549 | 3707 |
| 75° | 5702 | 3835 | 3084 |
| 80° | 5021 | 3013 | 2589 |
| 85° | 4231 | 2460 | 2312 |



TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 129.3 | 2.1 |
| 10°-20° | 361.3 | 5.9 |
| 20°-30° | 524.0 | 8.5 |
| 30°-40° | 597.2 | 9.7 |
| 40°-50° | 582.1 | 9.5 |
| 50°-60° | 490.0 | 8.0 |
| 60°-70° | 343.5 | 5.6 |
| 70°-80° | 176.6 | 2.9 |
| 80°-90° | 46.7 | 0.8 |
| 90°-100° | 281.1 | 4.6 |
| 100°-110° | 604.3 | 9.8 |
| 110°-120° | 567.1 | 9.2 |
| 120°-130° | 459.6 | 7.5 |
| 130°-140° | 368.8 | 6.0 |
| 140°-150° | 278.3 | 4.5 |
| 150°-160° | 195.9 | 3.2 |
| 160°-170° | 115.5 | 1.9 |
| 170°-180° | 37.6 | 0.6 |
| 0°-30° | 1014.6 | 16.5 |
| 0°-40° | 1611.8 | 26.2 |
| 0°-60° | 2683.9 | 43.6 |
| 0°-90° | 3250.7 | 52.8 |
| 90°-120° | 1452.5 | 23.6 |
| 90°-150° | 2559.3 | 41.6 |
| 90°-180° | 2908.0 | 47.2 |
| 0°-180° | 6159.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 1375 | 1375 | 1375 | 1375 | 1375 | |
| 5° | 1373 | 1368 | 1357 | 1367 | 1366 | 130 |
| 15° | 1306 | 1298 | 1277 | 1276 | 1267 | 368 |
| 25° | 1184 | 1167 | 1130 | 1117 | 1105 | 545 |
| 35° | 1020 | 994 | 948 | 919 | 904 | 638 |
| 45° | 835 | 803 | 748 | 708 | 691 | 644 |
| 55° | 634 | 599 | 542 | 497 | 479 | 566 |
| 65° | 429 | 392 | 339 | 298 | 281 | 425 |
| 75° | 228 | 197 | 154 | 132 | 124 | 242 |
| 85° | 57 | 39 | 33 | 32 | 31 | 64 |
| 90° | 1 | 7 | 12 | 16 | 18 | 4 |
| 95° | 26 | 76 | 693 | 314 | 184 | 27 |
| 105° | 88 | 124 | 567 | 1116 | 1036 | 93 |
| 115° | 158 | 190 | 455 | 981 | 1154 | 155 |
| 125° | 219 | 256 | 436 | 780 | 909 | 194 |
| 135° | 256 | 308 | 433 | 654 | 755 | 199 |
| 145° | 299 | 342 | 435 | 541 | 596 | 187 |
| 155° | 341 | 367 | 424 | 479 | 500 | 157 |
| 165° | 372 | 382 | 407 | 431 | 438 | 105 |
| 175° | 387 | 387 | 390 | 395 | 393 | 37 |
| 180° | 388 | 388 | 388 | 388 | 388 | |



TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 |
| 2.5° | 1377.5 | 1377.0 | 1376.4 | 1375.9 | 1375.3 | 1374.1 | 1372.3 | 1370.4 | 1368.6 | 1366.7 | 1368.6 |
| 5° | 1373.0 | 1372.1 | 1371.1 | 1370.2 | 1369.3 | 1367.6 | 1365.0 | 1362.5 | 1359.9 | 1357.4 | 1359.7 |
| 7.5° | 1359.5 | 1358.6 | 1357.7 | 1356.8 | 1356.0 | 1354.0 | 1351.0 | 1347.9 | 1344.9 | 1341.8 | 1343.4 |
| 10° | 1347.0 | 1346.3 | 1345.6 | 1344.9 | 1344.2 | 1342.3 | 1339.1 | 1335.8 | 1332.6 | 1329.4 | 1330.0 |
| 12.5° | 1332.9 | 1332.0 | 1331.1 | 1330.3 | 1329.4 | 1326.8 | 1322.4 | 1318.1 | 1313.8 | 1309.4 | 1309.9 |
| 15° | 1305.5 | 1304.1 | 1302.7 | 1301.3 | 1299.9 | 1296.8 | 1292.0 | 1287.1 | 1282.3 | 1277.4 | 1277.2 |
| 17.5° | 1274.5 | 1272.4 | 1270.3 | 1268.2 | 1266.0 | 1261.9 | 1255.8 | 1249.7 | 1243.6 | 1237.5 | 1236.4 |
| 20° | 1250.4 | 1248.1 | 1245.8 | 1243.5 | 1241.2 | 1236.3 | 1229.0 | 1221.6 | 1214.2 | 1206.8 | 1205.7 |
| 22.5° | 1223.8 | 1221.5 | 1219.2 | 1216.9 | 1214.6 | 1209.6 | 1201.8 | 1194.1 | 1186.3 | 1178.6 | 1176.3 |
| 25° | 1184.0 | 1180.5 | 1177.0 | 1173.6 | 1170.1 | 1164.1 | 1155.6 | 1147.0 | 1138.5 | 1130.0 | 1127.0 |
| 27.5° | 1138.3 | 1134.1 | 1129.9 | 1125.7 | 1121.5 | 1114.8 | 1105.7 | 1096.5 | 1087.4 | 1078.2 | 1074.0 |
| 30° | 1105.0 | 1100.6 | 1096.3 | 1091.9 | 1087.5 | 1080.4 | 1070.8 | 1061.1 | 1051.4 | 1041.7 | 1036.4 |
| 32.5° | 1072.6 | 1067.5 | 1062.4 | 1057.3 | 1052.1 | 1044.6 | 1034.8 | 1024.9 | 1015.0 | 1005.1 | 999.3 |
| 35° | 1019.9 | 1014.3 | 1008.8 | 1003.2 | 997.7 | 989.7 | 979.4 | 969.0 | 958.6 | 948.2 | 941.5 |
| 37.5° | 968.1 | 961.4 | 954.7 | 947.9 | 941.2 | 932.5 | 921.8 | 911.0 | 900.3 | 889.6 | 881.6 |
| 40° | 931.6 | 924.7 | 917.7 | 910.8 | 903.9 | 894.9 | 883.8 | 872.7 | 861.7 | 850.6 | 841.8 |
| 42.5° | 893.4 | 886.3 | 879.2 | 872.0 | 864.9 | 855.7 | 844.2 | 832.8 | 821.3 | 809.9 | 801.5 |
| 45° | 835.0 | 828.3 | 821.6 | 814.9 | 808.2 | 798.5 | 785.8 | 773.2 | 760.5 | 747.8 | 738.5 |
| 47.5° | 774.6 | 767.5 | 760.4 | 753.4 | 746.3 | 736.4 | 723.6 | 710.8 | 698.0 | 685.2 | 675.7 |
| 50° | 736.3 | 728.7 | 721.1 | 713.5 | 705.9 | 695.5 | 682.3 | 669.2 | 656.0 | 642.9 | 633.2 |
| 52.5° | 694.8 | 687.0 | 679.2 | 671.4 | 663.6 | 653.5 | 641.1 | 628.7 | 616.2 | 603.8 | 593.4 |
| 55° | 633.5 | 626.1 | 618.8 | 611.4 | 604.0 | 593.8 | 580.9 | 568.0 | 555.1 | 542.1 | 531.7 |
| 57.5° | 571.6 | 563.7 | 555.8 | 547.9 | 540.1 | 529.9 | 517.4 | 504.9 | 492.5 | 480.0 | 469.9 |
| 60° | 531.7 | 523.7 | 515.6 | 507.5 | 499.4 | 489.2 | 476.7 | 464.2 | 451.8 | 439.3 | 429.2 |
| 62.5° | 489.4 | 481.7 | 474.0 | 466.2 | 458.5 | 448.4 | 435.7 | 423.1 | 410.4 | 397.8 | 388.4 |
| 65° | 428.9 | 421.1 | 413.2 | 405.4 | 397.5 | 387.5 | 375.3 | 363.0 | 350.8 | 338.6 | 329.3 |
| 67.5° | 368.9 | 361.0 | 353.2 | 345.4 | 337.5 | 327.7 | 316.0 | 304.3 | 292.6 | 280.8 | 272.4 |
| 70° | 328.2 | 320.3 | 312.5 | 304.6 | 296.8 | 287.1 | 275.6 | 264.0 | 252.5 | 240.9 | 233.8 |
| 72.5° | 288.3 | 280.6 | 273.0 | 265.3 | 257.7 | 248.4 | 237.6 | 226.8 | 216.0 | 205.2 | 198.6 |
| 75° | 228.5 | 221.6 | 214.6 | 207.7 | 200.8 | 192.5 | 182.8 | 173.1 | 163.4 | 153.7 | 148.6 |
| 77.5° | 169.1 | 163.5 | 158.0 | 152.5 | 146.9 | 140.3 | 132.5 | 124.8 | 117.0 | 109.3 | 105.7 |
| 80° | 135.0 | 129.5 | 123.9 | 118.4 | 112.9 | 106.9 | 100.4 | 93.9 | 87.5 | 81.0 | 78.9 |
| 82.5° | 101.8 | 96.8 | 91.8 | 86.8 | 81.8 | 77.1 | 72.7 | 68.3 | 63.8 | 59.4 | 58.4 |
| 85° | 57.1 | 53.0 | 48.8 | 44.7 | 40.5 | 37.8 | 36.7 | 35.5 | 34.4 | 33.2 | 33.0 |
| 87.5° | 19.3 | 18.1 | 17.2 | 16.2 | 15.2 | 14.8 | 14.7 | 14.9 | 14.8 | 15.0 | 15.1 |
| 90° | 0.8 | 1.6 | 3.1 | 4.7 | 6.3 | 7.8 | 8.6 | 10.2 | 10.9 | 12.5 | 13.3 |
| 92.5° | 9.5 | 11.6 | 18.1 | 27.8 | 41.3 | 64.1 | 106.8 | 178.4 | 256.1 | 252.1 | 204.1 |
| 95° | 25.8 | 26.6 | 32.8 | 41.4 | 58.6 | 93.8 | 177.5 | 349.5 | 565.3 | 692.8 | 677.9 |
| 97.5° | 42.8 | 43.8 | 48.2 | 56.8 | 72.2 | 97.6 | 152.9 | 279.0 | 504.8 | 739.8 | 857.7 |
| 100° | 54.7 | 56.3 | 59.4 | 68.0 | 82.9 | 106.3 | 151.7 | 253.3 | 450.4 | 706.1 | 901.5 |
| 102.5° | 67.9 | 68.8 | 71.3 | 80.5 | 94.1 | 117.0 | 157.3 | 242.7 | 409.1 | 646.6 | 875.3 |
| 105° | 88.4 | 88.4 | 92.3 | 100.1 | 112.6 | 134.5 | 168.9 | 238.5 | 369.1 | 566.9 | 791.3 |
| 107.5° | 108.4 | 109.9 | 113.7 | 120.1 | 133.1 | 152.8 | 186.1 | 245.7 | 352.2 | 512.0 | 705.6 |
| 110° | 122.8 | 124.3 | 127.4 | 134.5 | 146.2 | 166.5 | 198.6 | 252.6 | 347.2 | 486.3 | 656.8 |



TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 137.1 | 138.7 | 141.2 | 148.2 | 160.0 | 179.7 | 210.5 | 261.3 | 347.2 | 471.3 | 620.5 |
| 115° | 157.9 | 159.5 | 161.9 | 168.9 | 180.6 | 200.2 | 229.1 | 274.4 | 349.5 | 455.1 | 580.9 |
| 117.5° | 176.7 | 179.1 | 181.6 | 188.6 | 201.9 | 220.8 | 248.2 | 289.5 | 354.7 | 447.1 | 557.3 |
| 120° | 189.2 | 191.6 | 194.7 | 201.7 | 215.0 | 234.6 | 261.9 | 299.5 | 359.7 | 443.3 | 544.2 |
| 122.5° | 202.4 | 204.1 | 206.6 | 213.6 | 228.2 | 247.7 | 275.1 | 310.7 | 364.0 | 440.2 | 532.9 |
| 125° | 218.9 | 220.5 | 224.4 | 231.4 | 246.3 | 266.6 | 292.4 | 326.0 | 371.4 | 436.3 | 517.6 |
| 127.5° | 231.9 | 234.3 | 239.3 | 248.2 | 264.0 | 284.3 | 309.2 | 340.1 | 379.7 | 434.4 | 503.5 |
| 130° | 240.0 | 242.4 | 248.6 | 258.8 | 275.2 | 295.6 | 319.8 | 349.5 | 384.7 | 433.2 | 494.2 |
| 132.5° | 246.3 | 249.3 | 256.8 | 268.2 | 285.2 | 305.6 | 329.8 | 357.6 | 390.3 | 433.2 | 486.7 |
| 135° | 256.5 | 259.6 | 269.0 | 281.5 | 297.9 | 319.0 | 343.3 | 369.1 | 398.0 | 433.2 | 477.7 |
| 137.5° | 269.3 | 271.6 | 280.4 | 292.9 | 309.0 | 330.7 | 352.8 | 377.5 | 405.0 | 434.1 | 469.8 |
| 140° | 276.8 | 279.1 | 288.5 | 301.0 | 315.9 | 337.0 | 359.7 | 383.1 | 408.1 | 434.7 | 466.0 |
| 142.5° | 285.5 | 287.3 | 296.0 | 308.5 | 322.8 | 342.6 | 364.0 | 386.3 | 410.0 | 435.4 | 462.9 |
| 145° | 298.7 | 300.2 | 308.1 | 319.0 | 333.1 | 351.1 | 371.4 | 390.9 | 412.1 | 434.7 | 458.2 |
| 147.5° | 312.4 | 313.4 | 320.1 | 330.3 | 342.5 | 358.3 | 376.1 | 393.8 | 412.8 | 432.7 | 453.3 |
| 150° | 320.6 | 322.1 | 327.6 | 337.8 | 348.7 | 362.0 | 379.2 | 395.6 | 412.8 | 430.8 | 449.6 |
| 152.5° | 329.3 | 330.3 | 335.1 | 344.0 | 354.4 | 366.4 | 382.3 | 396.9 | 412.2 | 428.3 | 445.2 |
| 155° | 340.9 | 340.9 | 345.6 | 353.4 | 361.2 | 372.2 | 385.5 | 398.0 | 410.5 | 423.8 | 437.9 |
| 157.5° | 351.2 | 351.1 | 354.8 | 361.5 | 368.4 | 376.7 | 388.1 | 398.8 | 408.5 | 419.1 | 431.0 |
| 160° | 358.1 | 357.3 | 360.5 | 365.9 | 372.2 | 379.2 | 389.4 | 398.8 | 406.6 | 416.0 | 425.4 |
| 162.5° | 363.7 | 363.0 | 366.1 | 370.9 | 375.9 | 381.7 | 390.6 | 398.1 | 404.7 | 412.2 | 420.3 |
| 165° | 372.2 | 370.6 | 373.0 | 376.9 | 380.0 | 384.7 | 390.9 | 397.2 | 401.9 | 406.6 | 412.8 |
| 167.5° | 377.8 | 377.0 | 378.4 | 380.6 | 382.8 | 385.8 | 390.9 | 395.3 | 397.5 | 401.1 | 405.5 |
| 170° | 381.6 | 380.8 | 381.6 | 383.1 | 384.7 | 387.0 | 390.9 | 394.1 | 395.6 | 398.0 | 401.1 |
| 172.5° | 384.1 | 382.7 | 383.4 | 385.0 | 385.9 | 387.0 | 390.3 | 392.8 | 393.1 | 394.2 | 396.7 |
| 175° | 387.0 | 385.5 | 386.3 | 387.0 | 387.0 | 387.0 | 389.4 | 390.9 | 390.2 | 390.2 | 390.9 |
| 177.5° | 388.4 | 387.2 | 387.2 | 387.8 | 387.2 | 387.2 | 388.4 | 389.1 | 387.8 | 387.8 | 388.4 |
| 180° | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 |



TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 | 1375.1 |
| 2.5° | 1370.4 | 1372.3 | 1374.1 | 1375.0 | 1374.8 | 1374.6 | 1374.4 | 1374.2 |
| 5° | 1362.0 | 1364.3 | 1366.6 | 1367.6 | 1367.1 | 1366.6 | 1366.2 | 1365.7 |
| 7.5° | 1345.1 | 1346.7 | 1348.3 | 1348.8 | 1348.3 | 1347.8 | 1347.3 | 1346.8 |
| 10° | 1330.7 | 1331.4 | 1332.1 | 1332.1 | 1331.4 | 1330.7 | 1330.0 | 1329.4 |
| 12.5° | 1310.4 | 1310.9 | 1311.4 | 1311.2 | 1310.1 | 1309.0 | 1308.0 | 1306.9 |
| 15° | 1277.0 | 1276.7 | 1276.5 | 1275.4 | 1273.3 | 1271.2 | 1269.1 | 1267.0 |
| 17.5° | 1235.2 | 1234.1 | 1232.9 | 1231.5 | 1229.8 | 1228.1 | 1226.4 | 1224.7 |
| 20° | 1204.5 | 1203.3 | 1202.2 | 1200.6 | 1198.5 | 1196.4 | 1194.3 | 1192.3 |
| 22.5° | 1174.0 | 1171.8 | 1169.5 | 1167.5 | 1165.8 | 1164.1 | 1162.4 | 1160.7 |
| 25° | 1124.0 | 1121.0 | 1118.0 | 1115.2 | 1112.6 | 1110.1 | 1107.6 | 1105.0 |
| 27.5° | 1069.8 | 1065.6 | 1061.4 | 1058.1 | 1055.7 | 1053.2 | 1050.8 | 1048.3 |
| 30° | 1031.1 | 1025.8 | 1020.4 | 1016.8 | 1014.7 | 1012.6 | 1010.5 | 1008.4 |
| 32.5° | 993.4 | 987.5 | 981.7 | 977.4 | 974.8 | 972.2 | 969.5 | 966.9 |
| 35° | 934.8 | 928.1 | 921.4 | 916.5 | 913.2 | 910.0 | 906.8 | 903.5 |
| 37.5° | 873.6 | 865.5 | 857.5 | 851.9 | 848.8 | 845.6 | 842.5 | 839.4 |
| 40° | 833.0 | 824.3 | 815.5 | 809.7 | 807.0 | 804.2 | 801.4 | 798.7 |
| 42.5° | 793.1 | 784.7 | 776.3 | 770.0 | 766.0 | 761.9 | 757.8 | 753.8 |
| 45° | 729.3 | 720.1 | 710.8 | 704.5 | 701.0 | 697.6 | 694.1 | 690.6 |
| 47.5° | 666.2 | 656.7 | 647.2 | 640.5 | 636.7 | 632.9 | 629.0 | 625.2 |
| 50° | 623.5 | 613.8 | 604.1 | 597.5 | 594.1 | 590.6 | 587.1 | 583.7 |
| 52.5° | 583.0 | 572.5 | 562.1 | 555.1 | 551.7 | 548.2 | 544.8 | 541.3 |
| 55° | 521.4 | 511.0 | 500.6 | 493.5 | 489.9 | 486.2 | 482.5 | 478.8 |
| 57.5° | 459.7 | 449.6 | 439.4 | 432.7 | 429.4 | 426.1 | 422.9 | 419.6 |
| 60° | 419.0 | 408.8 | 398.7 | 391.9 | 388.4 | 385.0 | 381.5 | 378.0 |
| 62.5° | 378.9 | 369.5 | 360.1 | 353.7 | 350.2 | 346.7 | 343.3 | 339.8 |
| 65° | 320.1 | 310.9 | 301.6 | 295.3 | 291.8 | 288.4 | 284.9 | 281.4 |
| 67.5° | 263.9 | 255.5 | 247.0 | 241.4 | 238.7 | 235.9 | 233.1 | 230.4 |
| 70° | 226.6 | 219.5 | 212.3 | 207.4 | 204.6 | 201.8 | 199.1 | 196.3 |
| 72.5° | 192.0 | 185.4 | 178.8 | 174.6 | 172.7 | 170.9 | 169.1 | 167.2 |
| 75° | 143.6 | 138.5 | 133.4 | 130.1 | 128.4 | 126.8 | 125.2 | 123.6 |
| 77.5° | 102.1 | 98.6 | 95.0 | 92.7 | 91.5 | 90.3 | 89.1 | 87.9 |
| 80° | 76.9 | 74.8 | 72.7 | 71.4 | 71.0 | 70.5 | 70.0 | 69.6 |
| 82.5° | 57.5 | 56.5 | 55.5 | 54.9 | 54.6 | 54.4 | 54.1 | 53.8 |
| 85° | 32.8 | 32.5 | 32.3 | 32.1 | 31.8 | 31.6 | 31.4 | 31.2 |
| 87.5° | 15.3 | 15.4 | 15.6 | 15.8 | 15.6 | 15.4 | 15.4 | 15.2 |
| 90° | 14.1 | 14.9 | 15.6 | 17.2 | 17.2 | 17.2 | 18.0 | 18.0 |
| 92.5° | 138.6 | 100.6 | 75.7 | 64.1 | 54.1 | 52.2 | 51.1 | 49.9 |
| 95° | 562.2 | 443.3 | 347.2 | 281.5 | 226.0 | 202.5 | 196.3 | 183.7 |
| 97.5° | 837.3 | 753.9 | 660.2 | 568.9 | 520.6 | 476.8 | 454.1 | 444.1 |
| 100° | 961.7 | 923.4 | 842.9 | 761.6 | 707.6 | 651.3 | 622.4 | 609.9 |
| 102.5° | 1003.6 | 1027.3 | 988.6 | 933.6 | 875.9 | 835.8 | 804.4 | 795.0 |
| 105° | 978.9 | 1086.1 | 1120.5 | 1111.9 | 1086.8 | 1061.0 | 1045.4 | 1036.0 |
| 107.5° | 890.7 | 1033.7 | 1122.0 | 1162.8 | 1175.5 | 1175.3 | 1170.2 | 1163.9 |
| 110° | 825.7 | 974.2 | 1084.5 | 1150.9 | 1186.1 | 1201.0 | 1206.5 | 1206.5 |



TEST NUMBER: P333567

CATALOG NUMBER: S125RDIP-S850D810U835-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 774.4 | 915.4 | 1026.9 | 1105.3 | 1156.7 | 1182.2 | 1195.8 | 1201.5 |
| 115° | 710.0 | 831.2 | 938.3 | 1023.5 | 1084.5 | 1122.0 | 1143.9 | 1154.1 |
| 117.5° | 668.4 | 772.8 | 865.1 | 943.3 | 1004.3 | 1043.0 | 1064.8 | 1071.0 |
| 120° | 645.8 | 739.7 | 825.7 | 894.5 | 952.3 | 989.9 | 1011.0 | 1017.2 |
| 122.5° | 629.0 | 715.9 | 792.5 | 857.0 | 908.6 | 943.0 | 964.1 | 969.7 |
| 125° | 604.4 | 684.2 | 752.2 | 808.5 | 852.3 | 884.3 | 901.5 | 909.3 |
| 127.5° | 579.4 | 653.8 | 717.3 | 770.0 | 809.7 | 838.0 | 854.3 | 857.7 |
| 130° | 563.7 | 632.6 | 693.5 | 744.4 | 783.5 | 809.3 | 824.9 | 829.6 |
| 132.5° | 548.1 | 612.5 | 667.9 | 716.8 | 755.9 | 781.7 | 796.1 | 801.4 |
| 135° | 527.8 | 581.7 | 631.8 | 676.3 | 710.7 | 736.5 | 750.6 | 755.3 |
| 137.5° | 510.6 | 554.2 | 595.8 | 633.6 | 664.5 | 687.9 | 700.9 | 706.1 |
| 140° | 501.2 | 537.9 | 573.9 | 606.7 | 635.7 | 656.0 | 667.7 | 671.6 |
| 142.5° | 493.1 | 524.2 | 555.1 | 583.6 | 608.2 | 625.4 | 636.5 | 639.7 |
| 145° | 482.4 | 506.7 | 530.9 | 552.0 | 570.8 | 584.1 | 592.7 | 595.8 |
| 147.5° | 472.4 | 492.1 | 510.7 | 526.7 | 541.5 | 552.2 | 557.2 | 558.6 |
| 150° | 466.8 | 484.0 | 498.8 | 512.9 | 524.7 | 534.0 | 537.2 | 537.9 |
| 152.5° | 460.5 | 475.9 | 489.5 | 500.4 | 510.3 | 517.8 | 520.9 | 521.7 |
| 155° | 451.2 | 463.7 | 474.6 | 483.2 | 491.0 | 496.5 | 498.8 | 499.6 |
| 157.5° | 441.8 | 452.1 | 460.5 | 467.3 | 473.4 | 477.9 | 480.1 | 479.9 |
| 160° | 435.5 | 443.3 | 451.2 | 456.6 | 462.1 | 466.0 | 467.6 | 466.8 |
| 162.5° | 428.6 | 435.8 | 442.4 | 447.2 | 451.5 | 454.7 | 455.1 | 454.9 |
| 165° | 419.1 | 424.6 | 429.3 | 433.2 | 436.3 | 437.9 | 437.9 | 437.9 |
| 167.5° | 410.0 | 413.6 | 417.2 | 420.0 | 421.6 | 423.0 | 422.4 | 422.2 |
| 170° | 405.0 | 407.4 | 409.7 | 411.3 | 412.8 | 413.6 | 413.6 | 412.8 |
| 172.5° | 399.4 | 401.7 | 403.5 | 404.4 | 404.7 | 406.1 | 404.9 | 404.1 |
| 175° | 393.3 | 393.3 | 394.9 | 394.9 | 394.9 | 395.6 | 394.1 | 393.3 |
| 177.5° | 389.1 | 389.7 | 389.7 | 389.7 | 389.1 | 389.7 | 387.8 | 387.8 |
| 180° | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 | 387.8 |

(END OF REPORT)