

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: P332532-935

Luminaire Tested: **S124DIP-S350D1205U935-4F0-1E-UDD-F**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332532-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIP-S350D1205U935-4F0-1E-UDD-F
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5446.6 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Indirect

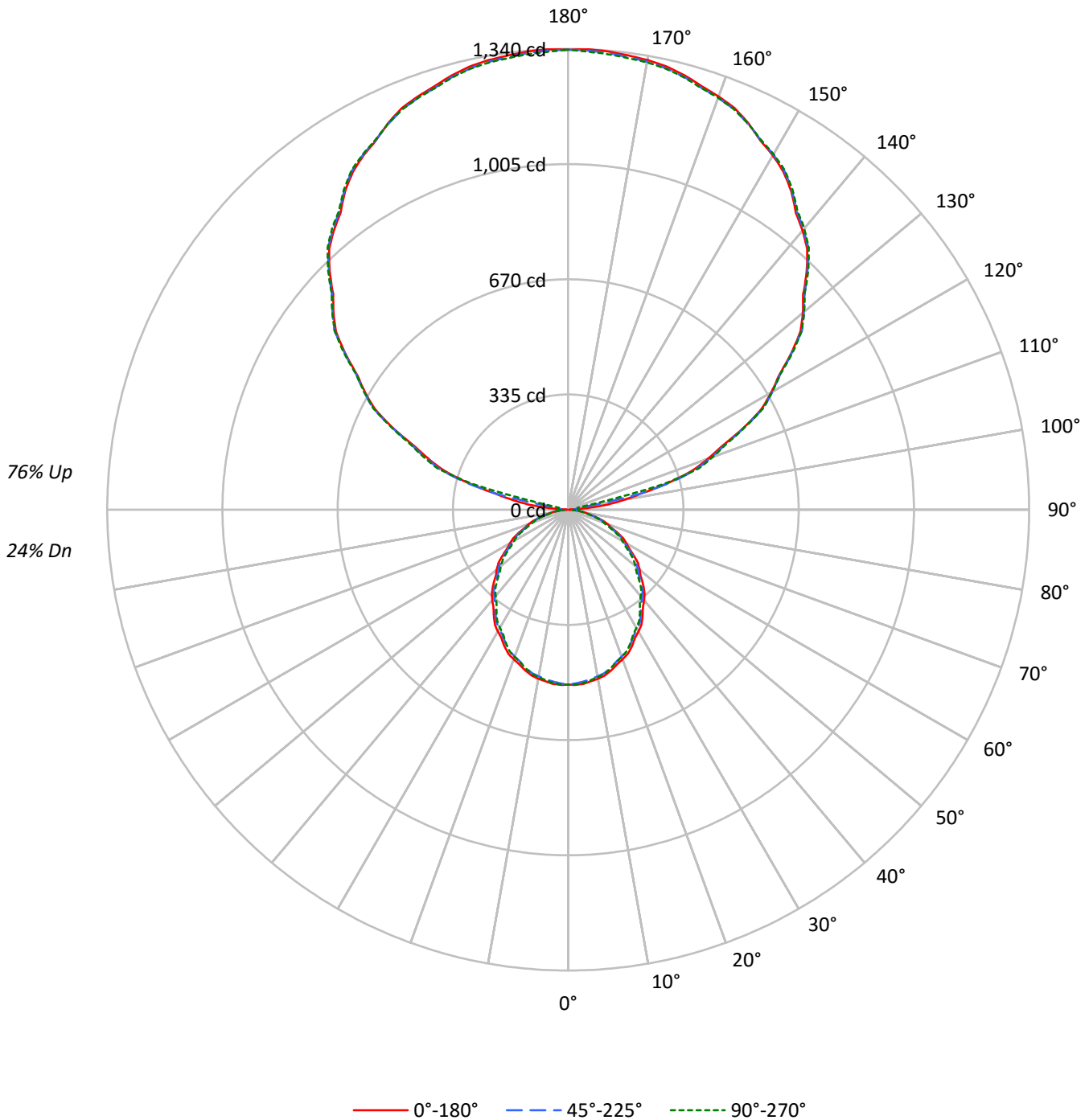
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-UDD-F

Luminous Intensity Polar Plot





TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 32 | 32 | 32 | 24 |
| 1 | 92 | 88 | 84 | 81 | 82 | 78 | 75 | 72 | 60 | 58 | 56 | 44 | 42 | 41 | 28 | 28 | 27 | 20 |
| 2 | 84 | 77 | 71 | 66 | 74 | 68 | 63 | 59 | 53 | 49 | 46 | 38 | 36 | 34 | 25 | 24 | 23 | 17 |
| 3 | 76 | 67 | 60 | 55 | 68 | 60 | 54 | 49 | 46 | 42 | 39 | 34 | 31 | 29 | 22 | 21 | 19 | 14 |
| 4 | 70 | 59 | 52 | 46 | 62 | 53 | 47 | 42 | 41 | 37 | 33 | 30 | 27 | 25 | 20 | 18 | 17 | 12 |
| 5 | 64 | 53 | 45 | 39 | 56 | 47 | 41 | 36 | 37 | 32 | 28 | 27 | 24 | 21 | 18 | 16 | 14 | 11 |
| 6 | 59 | 47 | 39 | 34 | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 24 | 21 | 19 | 16 | 14 | 13 | 9 |
| 7 | 54 | 42 | 35 | 29 | 48 | 38 | 31 | 27 | 30 | 25 | 22 | 22 | 19 | 16 | 15 | 13 | 11 | 8 |
| 8 | 50 | 38 | 31 | 26 | 44 | 34 | 28 | 23 | 27 | 22 | 19 | 20 | 17 | 14 | 13 | 11 | 10 | 7 |
| 9 | 46 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 25 | 20 | 17 | 18 | 15 | 13 | 12 | 10 | 9 | 7 |
| 10 | 43 | 32 | 25 | 20 | 38 | 29 | 23 | 18 | 23 | 18 | 15 | 17 | 14 | 12 | 11 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4106 | 4106 | 4106 |
| 5° | 4118 | 4068 | 4099 |
| 10° | 4092 | 4036 | 4055 |
| 15° | 4043 | 3978 | 3989 |
| 20° | 3978 | 3907 | 3911 |
| 25° | 3902 | 3827 | 3815 |
| 30° | 3811 | 3731 | 3697 |
| 35° | 3714 | 3631 | 3582 |
| 40° | 3616 | 3518 | 3453 |
| 45° | 3513 | 3406 | 3342 |
| 50° | 3399 | 3307 | 3204 |
| 55° | 3275 | 3178 | 3074 |
| 60° | 3152 | 3034 | 2942 |
| 65° | 3012 | 2896 | 2779 |
| 70° | 2858 | 2712 | 2608 |
| 75° | 2617 | 2492 | 2427 |
| 80° | 2329 | 2236 | 2176 |
| 85° | 2038 | 1964 | 1927 |



TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-UDD-F

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.9 | 0.9 |
| 10°-20° | 135.0 | 2.5 |
| 20°-30° | 198.6 | 3.6 |
| 30°-40° | 230.9 | 4.2 |
| 40°-50° | 230.9 | 4.2 |
| 50°-60° | 202.0 | 3.7 |
| 60°-70° | 150.0 | 2.8 |
| 70°-80° | 85.2 | 1.6 |
| 80°-90° | 28.5 | 0.5 |
| 90°-100° | 45.8 | 0.8 |
| 100°-110° | 291.7 | 5.4 |
| 110°-120° | 558.0 | 10.2 |
| 120°-130° | 708.4 | 13.0 |
| 130°-140° | 757.9 | 13.9 |
| 140°-150° | 708.7 | 13.0 |
| 150°-160° | 571.5 | 10.5 |
| 160°-170° | 368.6 | 6.8 |
| 170°-180° | 127.0 | 2.3 |
| 0°-30° | 381.5 | 7.0 |
| 0°-40° | 612.4 | 11.2 |
| 0°-60° | 1045.3 | 19.2 |
| 0°-90° | 1309.0 | 24.0 |
| 90°-120° | 895.4 | 16.4 |
| 90°-150° | 3070.4 | 56.4 |
| 90°-180° | 4138.0 | 76.0 |
| 0°-180° | 5446.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 509 | 509 | 509 | 509 | 509 | |
| 5° | 508 | 506 | 502 | 506 | 506 | 48 |
| 15° | 484 | 482 | 476 | 478 | 477 | 136 |
| 25° | 438 | 435 | 430 | 430 | 428 | 201 |
| 35° | 377 | 374 | 368 | 366 | 364 | 236 |
| 45° | 308 | 305 | 298 | 294 | 293 | 237 |
| 55° | 233 | 231 | 226 | 221 | 218 | 208 |
| 65° | 158 | 156 | 152 | 148 | 146 | 156 |
| 75° | 84 | 82 | 80 | 78 | 78 | 89 |
| 85° | 22 | 22 | 21 | 21 | 21 | 24 |
| 90° | 3 | 14 | 22 | 28 | 30 | 4 |
| 95° | 55 | 23 | 22 | 28 | 29 | 71 |
| 105° | 301 | 307 | 312 | 319 | 285 | 315 |
| 115° | 562 | 565 | 564 | 566 | 566 | 553 |
| 125° | 790 | 794 | 792 | 795 | 796 | 705 |
| 135° | 980 | 980 | 983 | 985 | 987 | 755 |
| 145° | 1130 | 1133 | 1134 | 1135 | 1136 | 706 |
| 155° | 1240 | 1240 | 1238 | 1241 | 1238 | 571 |
| 165° | 1308 | 1303 | 1303 | 1310 | 1302 | 369 |
| 175° | 1338 | 1332 | 1333 | 1340 | 1330 | 127 |
| 180° | 1338 | 1338 | 1338 | 1338 | 1338 | |



TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 |
| 2.5° | 509.9 | 509.7 | 509.5 | 509.3 | 509.0 | 508.5 | 507.7 | 507.0 | 506.2 | 505.3 | 506.1 |
| 5° | 508.2 | 507.8 | 507.5 | 507.1 | 506.8 | 506.1 | 505.1 | 504.1 | 503.1 | 502.0 | 503.1 |
| 7.5° | 503.5 | 503.1 | 502.7 | 502.4 | 502.0 | 501.3 | 500.2 | 499.1 | 498.0 | 496.9 | 497.7 |
| 10° | 499.2 | 498.9 | 498.5 | 498.2 | 497.8 | 497.1 | 495.8 | 494.6 | 493.5 | 492.3 | 493.0 |
| 12.5° | 493.7 | 493.4 | 493.0 | 492.6 | 492.2 | 491.5 | 490.2 | 489.0 | 487.7 | 486.5 | 487.2 |
| 15° | 483.7 | 483.4 | 483.0 | 482.7 | 482.3 | 481.5 | 480.1 | 478.7 | 477.3 | 476.0 | 476.6 |
| 17.5° | 471.7 | 471.3 | 470.9 | 470.5 | 469.9 | 469.1 | 467.8 | 466.5 | 465.2 | 463.9 | 464.3 |
| 20° | 463.0 | 462.5 | 462.1 | 461.6 | 461.2 | 460.3 | 458.9 | 457.5 | 456.2 | 454.8 | 455.1 |
| 22.5° | 453.5 | 452.9 | 452.3 | 451.7 | 451.1 | 450.1 | 448.8 | 447.5 | 446.1 | 444.7 | 445.2 |
| 25° | 438.1 | 437.5 | 436.9 | 436.2 | 435.6 | 434.6 | 433.3 | 432.0 | 430.8 | 429.6 | 429.6 |
| 27.5° | 420.5 | 419.8 | 419.2 | 418.5 | 417.9 | 417.0 | 415.8 | 414.7 | 413.5 | 412.2 | 412.1 |
| 30° | 408.8 | 408.0 | 407.3 | 406.6 | 405.9 | 404.9 | 403.7 | 402.5 | 401.4 | 400.2 | 399.8 |
| 32.5° | 396.4 | 395.7 | 395.0 | 394.4 | 393.7 | 392.8 | 391.6 | 390.3 | 389.1 | 387.8 | 387.4 |
| 35° | 376.9 | 376.3 | 375.7 | 375.1 | 374.4 | 373.5 | 372.2 | 370.9 | 369.7 | 368.4 | 367.8 |
| 37.5° | 356.5 | 355.9 | 355.3 | 354.8 | 354.2 | 353.3 | 351.9 | 350.5 | 349.1 | 347.8 | 347.1 |
| 40° | 343.1 | 342.4 | 341.7 | 341.0 | 340.3 | 339.2 | 337.9 | 336.5 | 335.1 | 333.8 | 332.9 |
| 42.5° | 328.8 | 328.4 | 328.0 | 327.5 | 327.1 | 326.1 | 324.6 | 323.0 | 321.6 | 320.1 | 319.0 |
| 45° | 307.7 | 307.0 | 306.4 | 305.8 | 305.1 | 304.1 | 302.6 | 301.2 | 299.8 | 298.3 | 297.3 |
| 47.5° | 285.6 | 285.2 | 284.7 | 284.3 | 283.9 | 283.0 | 281.6 | 280.3 | 279.0 | 277.6 | 276.5 |
| 50° | 270.6 | 270.3 | 269.9 | 269.5 | 269.1 | 268.4 | 267.1 | 265.8 | 264.5 | 263.3 | 262.0 |
| 52.5° | 256.0 | 255.5 | 255.0 | 254.6 | 254.2 | 253.3 | 251.9 | 250.6 | 249.3 | 248.0 | 246.8 |
| 55° | 232.7 | 232.5 | 232.1 | 231.9 | 231.6 | 230.8 | 229.5 | 228.3 | 227.0 | 225.8 | 224.7 |
| 57.5° | 210.5 | 210.3 | 209.9 | 209.7 | 209.3 | 208.5 | 207.2 | 206.0 | 204.7 | 203.5 | 202.5 |
| 60° | 195.2 | 194.8 | 194.3 | 193.8 | 193.4 | 192.6 | 191.4 | 190.2 | 189.1 | 187.9 | 187.1 |
| 62.5° | 180.2 | 179.9 | 179.4 | 179.1 | 178.7 | 177.9 | 176.6 | 175.4 | 174.1 | 172.9 | 172.1 |
| 65° | 157.7 | 157.3 | 156.8 | 156.4 | 155.9 | 155.2 | 154.3 | 153.4 | 152.5 | 151.6 | 150.7 |
| 67.5° | 135.1 | 134.7 | 134.2 | 133.8 | 133.4 | 132.8 | 131.9 | 131.0 | 130.2 | 129.2 | 128.4 |
| 70° | 121.1 | 120.4 | 119.8 | 119.2 | 118.5 | 117.8 | 117.1 | 116.4 | 115.6 | 114.9 | 114.2 |
| 72.5° | 106.1 | 105.4 | 104.8 | 104.2 | 103.5 | 102.9 | 102.3 | 101.8 | 101.2 | 100.6 | 100.0 |
| 75° | 83.9 | 83.5 | 83.1 | 82.6 | 82.1 | 81.7 | 81.3 | 80.8 | 80.3 | 79.9 | 79.6 |
| 77.5° | 62.9 | 62.7 | 62.4 | 62.3 | 62.1 | 61.7 | 61.4 | 61.0 | 60.5 | 60.2 | 60.0 |
| 80° | 50.1 | 49.9 | 49.6 | 49.3 | 49.1 | 48.8 | 48.6 | 48.5 | 48.3 | 48.1 | 47.9 |
| 82.5° | 37.7 | 37.6 | 37.5 | 37.4 | 37.2 | 37.1 | 37.1 | 37.1 | 37.0 | 37.0 | 36.9 |
| 85° | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.7 | 21.5 | 21.4 | 21.2 | 21.2 |
| 87.5° | 9.0 | 9.5 | 9.9 | 10.3 | 10.8 | 11.1 | 11.4 | 11.6 | 12.0 | 12.2 | 12.5 |
| 90° | 3.0 | 5.4 | 7.9 | 10.3 | 12.7 | 14.9 | 16.7 | 18.4 | 20.2 | 22.0 | 23.3 |
| 92.5° | 12.6 | 12.7 | 12.9 | 13.0 | 13.2 | 14.1 | 15.8 | 17.7 | 19.5 | 21.2 | 22.6 |
| 95° | 55.0 | 47.4 | 39.9 | 32.4 | 24.8 | 21.1 | 21.4 | 21.5 | 21.8 | 22.0 | 23.3 |
| 97.5° | 116.8 | 121.6 | 126.3 | 131.0 | 135.7 | 125.6 | 100.8 | 76.0 | 51.2 | 26.4 | 26.5 |
| 100° | 164.1 | 168.1 | 172.1 | 176.1 | 180.1 | 166.8 | 136.0 | 105.4 | 74.7 | 44.0 | 40.2 |
| 102.5° | 216.9 | 219.8 | 222.7 | 225.7 | 228.6 | 228.1 | 224.1 | 220.1 | 216.1 | 212.1 | 171.3 |
| 105° | 301.1 | 302.5 | 303.8 | 305.1 | 306.4 | 307.7 | 308.8 | 309.9 | 311.0 | 312.1 | 314.2 |
| 107.5° | 379.4 | 380.0 | 380.7 | 381.3 | 382.0 | 383.1 | 384.6 | 386.2 | 387.6 | 389.2 | 390.1 |
| 110° | 432.2 | 432.8 | 433.5 | 434.2 | 434.9 | 435.8 | 437.2 | 438.5 | 439.9 | 441.2 | 441.6 |



TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 483.5 | 484.7 | 485.8 | 487.0 | 488.2 | 489.1 | 489.7 | 490.3 | 491.0 | 491.6 | 491.5 |
| 115° | 562.2 | 562.9 | 563.6 | 564.2 | 564.9 | 565.2 | 564.9 | 564.7 | 564.5 | 564.2 | 564.7 |
| 117.5° | 633.3 | 634.1 | 635.1 | 635.9 | 636.8 | 637.5 | 638.0 | 638.5 | 639.0 | 639.5 | 639.4 |
| 120° | 681.3 | 682.2 | 683.1 | 684.0 | 684.8 | 685.2 | 685.0 | 684.8 | 684.5 | 684.3 | 684.8 |
| 122.5° | 726.1 | 726.7 | 727.2 | 727.7 | 728.2 | 728.7 | 729.0 | 729.3 | 729.6 | 730.0 | 730.2 |
| 125° | 790.3 | 791.3 | 792.1 | 793.0 | 793.9 | 794.1 | 793.7 | 793.2 | 792.8 | 792.4 | 793.0 |
| 127.5° | 851.2 | 851.4 | 851.6 | 851.9 | 852.0 | 852.6 | 853.7 | 854.7 | 855.7 | 856.8 | 856.6 |
| 130° | 890.4 | 890.6 | 890.9 | 891.0 | 891.3 | 891.7 | 892.4 | 893.0 | 893.7 | 894.4 | 894.6 |
| 132.5° | 926.4 | 926.8 | 927.2 | 927.6 | 928.0 | 928.7 | 929.4 | 930.3 | 931.2 | 932.0 | 932.2 |
| 135° | 980.4 | 980.2 | 980.0 | 979.7 | 979.6 | 979.9 | 980.8 | 981.6 | 982.6 | 983.4 | 983.9 |
| 137.5° | 1028.3 | 1028.4 | 1028.5 | 1028.6 | 1028.6 | 1029.2 | 1030.1 | 1031.1 | 1032.1 | 1033.0 | 1033.5 |
| 140° | 1059.5 | 1059.9 | 1060.3 | 1060.8 | 1061.3 | 1061.7 | 1062.1 | 1062.6 | 1063.0 | 1063.5 | 1064.1 |
| 142.5° | 1087.4 | 1088.3 | 1089.1 | 1089.9 | 1090.7 | 1091.2 | 1091.5 | 1091.7 | 1092.0 | 1092.3 | 1092.8 |
| 145° | 1130.5 | 1131.2 | 1131.9 | 1132.5 | 1133.2 | 1133.5 | 1133.5 | 1133.5 | 1133.5 | 1133.5 | 1133.8 |
| 147.5° | 1164.7 | 1166.0 | 1167.2 | 1168.5 | 1169.7 | 1170.2 | 1170.0 | 1169.8 | 1169.5 | 1169.3 | 1169.5 |
| 150° | 1189.6 | 1190.4 | 1191.3 | 1192.2 | 1193.1 | 1193.4 | 1193.2 | 1193.0 | 1192.7 | 1192.5 | 1192.5 |
| 152.5° | 1210.3 | 1211.1 | 1211.8 | 1212.5 | 1213.1 | 1213.3 | 1213.0 | 1212.5 | 1212.1 | 1211.8 | 1212.1 |
| 155° | 1239.6 | 1239.8 | 1240.0 | 1240.2 | 1240.4 | 1240.2 | 1239.6 | 1238.9 | 1238.2 | 1237.5 | 1238.5 |
| 157.5° | 1264.1 | 1264.0 | 1263.9 | 1263.8 | 1263.6 | 1263.2 | 1262.4 | 1261.7 | 1260.9 | 1260.2 | 1261.3 |
| 160° | 1278.6 | 1277.9 | 1277.2 | 1276.6 | 1275.9 | 1275.5 | 1275.2 | 1275.0 | 1274.8 | 1274.5 | 1275.9 |
| 162.5° | 1291.3 | 1290.6 | 1289.7 | 1288.8 | 1288.0 | 1287.5 | 1287.2 | 1287.0 | 1286.8 | 1286.6 | 1287.9 |
| 165° | 1307.6 | 1306.5 | 1305.4 | 1304.2 | 1303.1 | 1302.6 | 1302.6 | 1302.6 | 1302.6 | 1302.6 | 1304.3 |
| 167.5° | 1320.3 | 1319.2 | 1318.1 | 1316.9 | 1315.8 | 1315.1 | 1315.0 | 1314.8 | 1314.7 | 1314.6 | 1316.6 |
| 170° | 1327.6 | 1326.3 | 1324.9 | 1323.6 | 1322.2 | 1321.7 | 1321.9 | 1322.2 | 1322.3 | 1322.6 | 1324.4 |
| 172.5° | 1332.4 | 1331.0 | 1329.7 | 1328.4 | 1327.1 | 1326.5 | 1326.7 | 1327.0 | 1327.1 | 1327.4 | 1329.1 |
| 175° | 1337.6 | 1336.3 | 1334.9 | 1333.6 | 1332.2 | 1331.7 | 1331.9 | 1332.1 | 1332.4 | 1332.6 | 1334.6 |
| 177.5° | 1340.0 | 1338.8 | 1337.5 | 1336.3 | 1335.0 | 1334.6 | 1334.9 | 1335.2 | 1335.7 | 1336.0 | 1337.4 |
| 180° | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 |



TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 | 508.6 |
| 2.5° | 506.8 | 507.6 | 508.2 | 508.6 | 508.5 | 508.4 | 508.3 | 508.2 |
| 5° | 504.1 | 505.1 | 506.1 | 506.4 | 506.3 | 506.1 | 505.9 | 505.8 |
| 7.5° | 498.4 | 499.3 | 500.1 | 500.4 | 500.3 | 500.2 | 500.1 | 500.0 |
| 10° | 493.8 | 494.5 | 495.2 | 495.5 | 495.3 | 495.1 | 494.9 | 494.7 |
| 12.5° | 488.0 | 488.8 | 489.7 | 489.9 | 489.7 | 489.4 | 489.1 | 488.9 |
| 15° | 477.1 | 477.6 | 478.2 | 478.3 | 478.0 | 477.8 | 477.5 | 477.3 |
| 17.5° | 464.6 | 464.9 | 465.3 | 465.4 | 465.2 | 465.0 | 464.9 | 464.7 |
| 20° | 455.4 | 455.6 | 455.9 | 456.0 | 455.7 | 455.6 | 455.4 | 455.2 |
| 22.5° | 445.7 | 446.2 | 446.7 | 446.8 | 446.4 | 446.1 | 445.7 | 445.5 |
| 25° | 429.7 | 429.8 | 429.9 | 429.8 | 429.4 | 429.0 | 428.7 | 428.3 |
| 27.5° | 411.8 | 411.6 | 411.4 | 411.0 | 410.6 | 410.2 | 409.7 | 409.2 |
| 30° | 399.5 | 399.2 | 398.7 | 398.4 | 397.9 | 397.4 | 397.0 | 396.6 |
| 32.5° | 386.9 | 386.5 | 386.1 | 385.6 | 385.2 | 384.7 | 384.3 | 383.8 |
| 35° | 367.1 | 366.5 | 365.8 | 365.3 | 364.9 | 364.5 | 363.9 | 363.5 |
| 37.5° | 346.4 | 345.7 | 345.0 | 344.4 | 343.8 | 343.2 | 342.6 | 342.0 |
| 40° | 332.0 | 331.1 | 330.2 | 329.5 | 329.0 | 328.6 | 328.1 | 327.7 |
| 42.5° | 318.0 | 316.9 | 315.9 | 315.2 | 314.9 | 314.6 | 314.3 | 314.0 |
| 45° | 296.4 | 295.3 | 294.4 | 293.7 | 293.4 | 293.2 | 292.9 | 292.7 |
| 47.5° | 275.3 | 274.2 | 273.1 | 272.2 | 271.6 | 270.9 | 270.2 | 269.5 |
| 50° | 260.7 | 259.5 | 258.2 | 257.3 | 256.8 | 256.2 | 255.6 | 255.1 |
| 52.5° | 245.7 | 244.6 | 243.5 | 242.5 | 241.9 | 241.2 | 240.5 | 239.8 |
| 55° | 223.6 | 222.5 | 221.4 | 220.6 | 220.1 | 219.6 | 219.0 | 218.4 |
| 57.5° | 201.5 | 200.4 | 199.4 | 198.6 | 198.1 | 197.6 | 197.1 | 196.5 |
| 60° | 186.2 | 185.5 | 184.6 | 184.0 | 183.6 | 183.0 | 182.6 | 182.2 |
| 62.5° | 171.4 | 170.7 | 169.9 | 169.3 | 168.8 | 168.4 | 168.0 | 167.5 |
| 65° | 149.8 | 148.9 | 148.0 | 147.3 | 146.9 | 146.4 | 145.9 | 145.5 |
| 67.5° | 127.5 | 126.7 | 125.8 | 125.3 | 125.2 | 125.0 | 124.9 | 124.8 |
| 70° | 113.5 | 112.8 | 112.0 | 111.5 | 111.2 | 111.0 | 110.7 | 110.5 |
| 72.5° | 99.4 | 98.8 | 98.2 | 97.8 | 97.6 | 97.3 | 97.0 | 96.8 |
| 75° | 79.1 | 78.8 | 78.4 | 78.2 | 78.1 | 78.0 | 77.9 | 77.8 |
| 77.5° | 59.9 | 59.8 | 59.8 | 59.6 | 59.3 | 59.1 | 58.8 | 58.6 |
| 80° | 47.7 | 47.5 | 47.4 | 47.3 | 47.1 | 47.0 | 46.9 | 46.8 |
| 82.5° | 36.8 | 36.7 | 36.6 | 36.5 | 36.4 | 36.2 | 36.2 | 36.1 |
| 85° | 21.2 | 21.2 | 21.2 | 21.2 | 21.1 | 21.0 | 20.8 | 20.8 |
| 87.5° | 12.7 | 13.0 | 13.3 | 13.4 | 13.5 | 13.7 | 13.8 | 13.9 |
| 90° | 24.7 | 26.0 | 27.4 | 28.2 | 28.7 | 29.1 | 29.5 | 30.0 |
| 92.5° | 23.8 | 25.2 | 26.5 | 27.3 | 27.4 | 27.5 | 27.6 | 27.6 |
| 95° | 24.7 | 26.0 | 27.4 | 28.2 | 28.3 | 28.6 | 28.8 | 29.0 |
| 97.5° | 26.7 | 26.8 | 26.9 | 27.1 | 27.4 | 27.6 | 27.8 | 28.0 |
| 100° | 36.4 | 32.7 | 28.9 | 27.1 | 27.4 | 27.6 | 27.8 | 28.0 |
| 102.5° | 130.5 | 89.8 | 49.0 | 28.7 | 28.7 | 28.8 | 28.8 | 28.8 |
| 105° | 316.2 | 318.1 | 320.1 | 317.1 | 309.1 | 301.1 | 293.2 | 285.2 |
| 107.5° | 391.2 | 392.1 | 393.0 | 394.0 | 394.9 | 395.7 | 396.5 | 397.4 |
| 110° | 442.1 | 442.6 | 443.0 | 443.5 | 444.2 | 444.9 | 445.6 | 446.2 |



TEST NUMBER: P332532-935

CATALOG NUMBER: S124DIP-S350D1205U935-4F0-1E-UDD-F

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 491.5 | 491.4 | 491.3 | 491.6 | 492.5 | 493.4 | 494.2 | 495.0 |
| 115° | 565.2 | 565.6 | 566.0 | 566.3 | 566.3 | 566.3 | 566.3 | 566.3 |
| 117.5° | 639.3 | 639.2 | 639.1 | 639.0 | 638.9 | 638.9 | 638.8 | 638.7 |
| 120° | 685.2 | 685.6 | 686.0 | 686.0 | 685.6 | 685.2 | 684.8 | 684.3 |
| 122.5° | 730.5 | 730.7 | 731.0 | 730.9 | 730.5 | 730.0 | 729.5 | 729.1 |
| 125° | 793.7 | 794.4 | 795.0 | 795.5 | 795.7 | 795.9 | 796.2 | 796.3 |
| 127.5° | 856.5 | 856.4 | 856.3 | 856.1 | 855.9 | 855.7 | 855.6 | 855.4 |
| 130° | 894.8 | 895.1 | 895.3 | 895.4 | 895.4 | 895.4 | 895.4 | 895.4 |
| 132.5° | 932.5 | 932.7 | 932.9 | 932.9 | 932.7 | 932.5 | 932.4 | 932.2 |
| 135° | 984.3 | 984.7 | 985.2 | 985.7 | 986.1 | 986.5 | 987.0 | 987.4 |
| 137.5° | 1034.1 | 1034.5 | 1035.0 | 1035.2 | 1035.1 | 1034.9 | 1034.7 | 1034.7 |
| 140° | 1064.8 | 1065.5 | 1066.2 | 1066.6 | 1066.8 | 1067.0 | 1067.2 | 1067.5 |
| 142.5° | 1093.3 | 1093.7 | 1094.2 | 1094.5 | 1094.6 | 1094.6 | 1094.7 | 1094.7 |
| 145° | 1133.9 | 1134.2 | 1134.4 | 1134.7 | 1135.1 | 1135.6 | 1136.1 | 1136.5 |
| 147.5° | 1169.7 | 1169.8 | 1170.0 | 1170.2 | 1170.4 | 1170.7 | 1170.9 | 1171.1 |
| 150° | 1192.5 | 1192.5 | 1192.5 | 1192.7 | 1192.8 | 1193.1 | 1193.3 | 1193.5 |
| 152.5° | 1212.5 | 1212.8 | 1213.1 | 1213.2 | 1213.1 | 1213.0 | 1212.9 | 1212.7 |
| 155° | 1239.3 | 1240.2 | 1241.1 | 1241.2 | 1240.5 | 1239.8 | 1239.2 | 1238.5 |
| 157.5° | 1262.5 | 1263.6 | 1264.8 | 1264.8 | 1263.6 | 1262.5 | 1261.3 | 1260.2 |
| 160° | 1277.2 | 1278.6 | 1279.9 | 1279.9 | 1278.6 | 1277.2 | 1275.9 | 1274.5 |
| 162.5° | 1289.3 | 1290.6 | 1291.9 | 1291.8 | 1290.3 | 1288.8 | 1287.3 | 1285.7 |
| 165° | 1306.1 | 1307.9 | 1309.7 | 1309.6 | 1307.6 | 1305.5 | 1303.6 | 1301.6 |
| 167.5° | 1318.5 | 1320.4 | 1322.4 | 1322.2 | 1320.1 | 1317.8 | 1315.6 | 1313.4 |
| 170° | 1326.1 | 1327.9 | 1329.7 | 1329.5 | 1327.2 | 1325.0 | 1322.8 | 1320.6 |
| 172.5° | 1330.9 | 1332.7 | 1334.5 | 1334.2 | 1331.8 | 1329.4 | 1327.0 | 1324.6 |
| 175° | 1336.6 | 1338.6 | 1340.6 | 1340.2 | 1337.6 | 1334.9 | 1332.2 | 1329.6 |
| 177.5° | 1338.9 | 1340.2 | 1341.7 | 1341.4 | 1339.2 | 1337.0 | 1334.9 | 1332.8 |
| 180° | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 | 1337.6 |

(END OF REPORT)