

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: P332574-935

Luminaire Tested: **S124DIP-S575D1205U935-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332574-935
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-S575D1205U935-4F0-1E-UDD-D
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 575 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

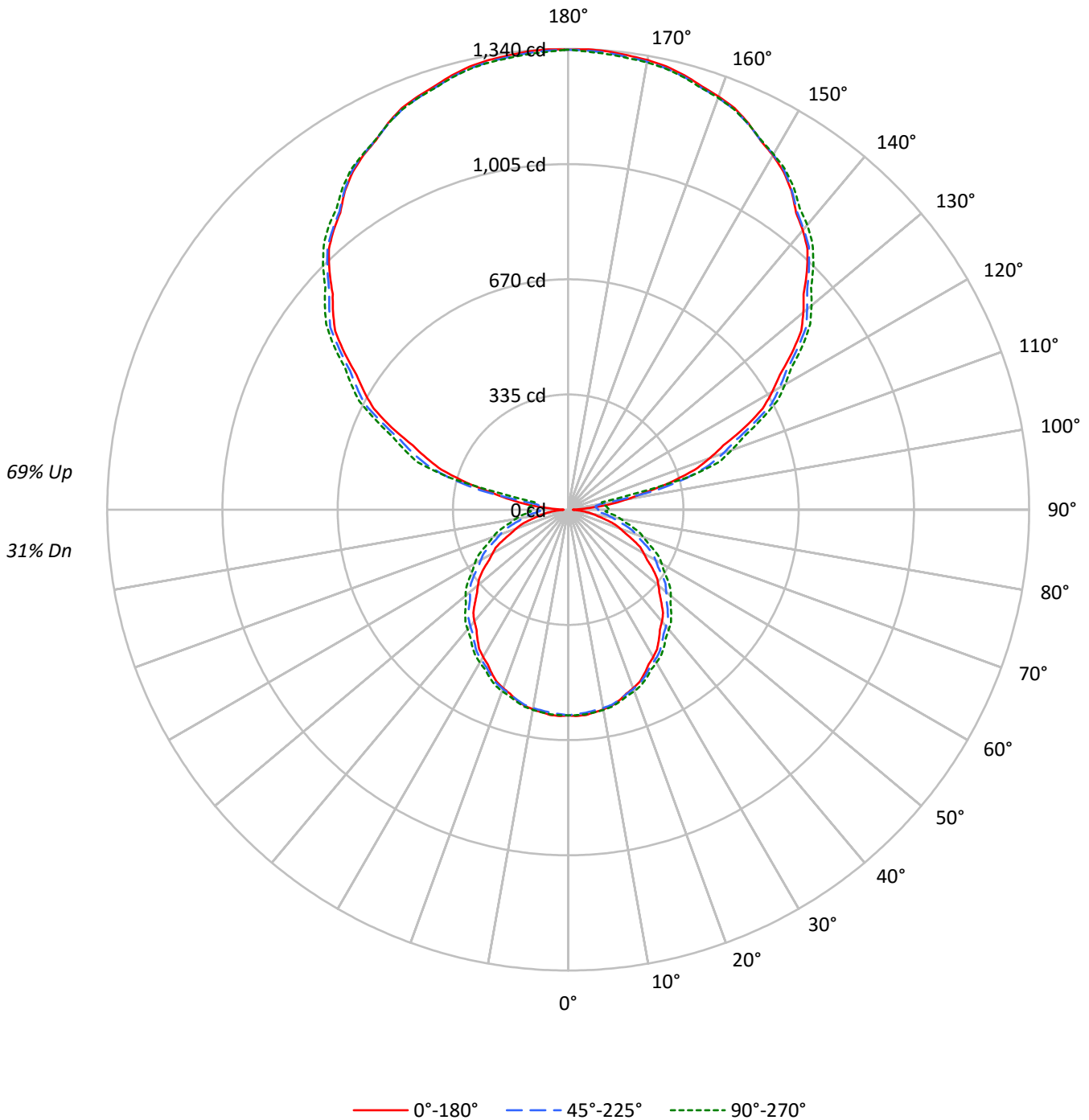
Input Watts (W): 49.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

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 | 103 | 103 | 103 | 103 | 92 | 92 | 92 | 92 | 73 | 73 | 73 | 55 | 55 | 55 | 38 | 38 | 38 | 31 |
| 1 | 93 | 88 | 84 | 81 | 83 | 79 | 76 | 73 | 63 | 60 | 58 | 47 | 46 | 44 | 33 | 32 | 31 | 24 |
| 2 | 84 | 77 | 71 | 65 | 75 | 69 | 64 | 59 | 54 | 51 | 47 | 41 | 38 | 36 | 28 | 27 | 26 | 20 |
| 3 | 77 | 67 | 60 | 54 | 68 | 60 | 54 | 49 | 48 | 43 | 40 | 36 | 33 | 30 | 25 | 23 | 21 | 17 |
| 4 | 70 | 59 | 51 | 45 | 62 | 53 | 47 | 41 | 42 | 37 | 33 | 32 | 28 | 26 | 22 | 20 | 18 | 14 |
| 5 | 64 | 52 | 44 | 39 | 57 | 47 | 40 | 35 | 38 | 32 | 29 | 28 | 25 | 22 | 20 | 18 | 16 | 12 |
| 6 | 59 | 47 | 39 | 33 | 52 | 42 | 35 | 30 | 34 | 29 | 25 | 26 | 22 | 19 | 18 | 16 | 14 | 11 |
| 7 | 54 | 42 | 34 | 29 | 48 | 38 | 31 | 26 | 30 | 25 | 22 | 23 | 20 | 17 | 16 | 14 | 12 | 9 |
| 8 | 50 | 38 | 30 | 25 | 45 | 34 | 28 | 23 | 28 | 23 | 19 | 21 | 17 | 15 | 15 | 13 | 11 | 8 |
| 9 | 47 | 35 | 27 | 22 | 42 | 31 | 25 | 20 | 25 | 20 | 17 | 19 | 16 | 13 | 14 | 11 | 10 | 7 |
| 10 | 43 | 32 | 25 | 20 | 39 | 29 | 22 | 18 | 23 | 18 | 15 | 18 | 14 | 12 | 13 | 10 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 4830 | 4830 | 4830 |
| 5° | 4845 | 4721 | 4734 |
| 10° | 4816 | 4644 | 4639 |
| 15° | 4772 | 4554 | 4529 |
| 20° | 4707 | 4455 | 4422 |
| 25° | 4634 | 4345 | 4302 |
| 30° | 4555 | 4235 | 4181 |
| 35° | 4464 | 4122 | 4074 |
| 40° | 4393 | 4015 | 3964 |
| 45° | 4286 | 3916 | 3867 |
| 50° | 4195 | 3803 | 3767 |
| 55° | 4102 | 3695 | 3648 |
| 60° | 3957 | 3557 | 3541 |
| 65° | 3798 | 3411 | 3409 |
| 70° | 3603 | 3243 | 3253 |
| 75° | 3334 | 3060 | 3114 |
| 80° | 3035 | 2882 | 2977 |
| 85° | 2656 | 2725 | 2896 |



TEST NUMBER: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.7 | 0.9 |
| 10°-20° | 162.3 | 2.6 |
| 20°-30° | 245.5 | 4.0 |
| 30°-40° | 297.0 | 4.8 |
| 40°-50° | 314.0 | 5.1 |
| 50°-60° | 295.5 | 4.8 |
| 60°-70° | 245.2 | 4.0 |
| 70°-80° | 172.2 | 2.8 |
| 80°-90° | 101.2 | 1.6 |
| 90°-100° | 103.6 | 1.7 |
| 100°-110° | 334.5 | 5.4 |
| 110°-120° | 586.7 | 9.5 |
| 120°-130° | 724.6 | 11.7 |
| 130°-140° | 764.9 | 12.4 |
| 140°-150° | 710.1 | 11.5 |
| 150°-160° | 571.5 | 9.2 |
| 160°-170° | 368.6 | 6.0 |
| 170°-180° | 127.0 | 2.1 |
| 0°-30° | 464.5 | 7.5 |
| 0°-40° | 761.4 | 12.3 |
| 0°-60° | 1370.9 | 22.2 |
| 0°-90° | 1889.4 | 30.6 |
| 90°-120° | 1024.8 | 16.6 |
| 90°-150° | 3224.3 | 52.2 |
| 90°-180° | 4292.0 | 69.4 |
| 0°-180° | 6181.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 598 | 598 | 598 | 598 | 598 | |
| 5° | 599 | 597 | 592 | 597 | 597 | 57 |
| 15° | 574 | 575 | 573 | 578 | 578 | 162 |
| 25° | 525 | 529 | 531 | 538 | 539 | 242 |
| 35° | 460 | 468 | 474 | 483 | 486 | 288 |
| 45° | 383 | 396 | 409 | 420 | 423 | 296 |
| 55° | 300 | 314 | 334 | 347 | 352 | 267 |
| 65° | 208 | 229 | 252 | 268 | 274 | 206 |
| 75° | 115 | 140 | 168 | 186 | 193 | 123 |
| 85° | 36 | 64 | 94 | 113 | 121 | 38 |
| 90° | 14 | 52 | 88 | 113 | 121 | 10 |
| 95° | 64 | 54 | 80 | 103 | 111 | 78 |
| 105° | 307 | 327 | 356 | 379 | 352 | 322 |
| 115° | 566 | 576 | 596 | 612 | 617 | 557 |
| 125° | 793 | 797 | 811 | 826 | 832 | 708 |
| 135° | 982 | 981 | 990 | 1002 | 1008 | 756 |
| 145° | 1131 | 1133 | 1134 | 1138 | 1143 | 707 |
| 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: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 |
| 2.5° | 600.5 | 600.1 | 599.8 | 599.3 | 599.0 | 598.4 | 597.4 | 596.5 | 595.5 | 594.5 | 595.4 |
| 5° | 599.0 | 598.6 | 598.1 | 597.6 | 597.2 | 596.4 | 595.4 | 594.3 | 593.3 | 592.3 | 593.5 |
| 7.5° | 593.9 | 593.6 | 593.3 | 593.1 | 592.8 | 592.3 | 591.4 | 590.6 | 589.6 | 588.8 | 590.1 |
| 10° | 589.6 | 589.4 | 589.3 | 589.2 | 589.0 | 588.6 | 587.8 | 587.0 | 586.3 | 585.6 | 586.9 |
| 12.5° | 583.7 | 583.7 | 583.7 | 583.6 | 583.6 | 583.3 | 582.8 | 582.3 | 581.8 | 581.3 | 582.5 |
| 15° | 574.2 | 574.4 | 574.5 | 574.6 | 574.8 | 574.6 | 574.2 | 573.8 | 573.3 | 572.8 | 574.2 |
| 17.5° | 561.2 | 561.6 | 562.1 | 562.5 | 563.0 | 563.2 | 563.1 | 563.0 | 562.9 | 562.8 | 564.1 |
| 20° | 552.1 | 552.5 | 552.9 | 553.5 | 553.9 | 554.1 | 554.3 | 554.5 | 554.6 | 554.7 | 556.2 |
| 22.5° | 541.9 | 542.4 | 543.0 | 543.5 | 544.2 | 544.6 | 544.8 | 545.1 | 545.4 | 545.6 | 547.2 |
| 25° | 525.3 | 526.2 | 527.1 | 528.0 | 528.8 | 529.5 | 529.9 | 530.4 | 530.9 | 531.3 | 533.0 |
| 27.5° | 506.8 | 508.1 | 509.4 | 510.7 | 512.0 | 513.0 | 513.7 | 514.4 | 515.1 | 515.7 | 517.3 |
| 30° | 494.5 | 495.7 | 496.8 | 498.0 | 499.2 | 500.3 | 501.4 | 502.4 | 503.4 | 504.5 | 506.2 |
| 32.5° | 481.0 | 482.5 | 483.9 | 485.3 | 486.8 | 488.1 | 489.2 | 490.4 | 491.5 | 492.8 | 494.6 |
| 35° | 459.6 | 461.4 | 463.2 | 464.9 | 466.7 | 468.4 | 469.8 | 471.4 | 472.9 | 474.3 | 476.5 |
| 37.5° | 438.1 | 440.1 | 442.1 | 444.2 | 446.3 | 448.2 | 450.0 | 451.9 | 453.7 | 455.6 | 457.7 |
| 40° | 424.1 | 426.0 | 428.0 | 429.9 | 431.9 | 433.9 | 435.9 | 438.0 | 440.1 | 442.2 | 444.4 |
| 42.5° | 408.0 | 410.2 | 412.3 | 414.6 | 416.7 | 419.0 | 421.5 | 423.9 | 426.4 | 428.8 | 431.3 |
| 45° | 383.2 | 386.1 | 388.9 | 391.8 | 394.5 | 397.4 | 400.2 | 403.0 | 405.9 | 408.7 | 411.2 |
| 47.5° | 359.6 | 362.4 | 365.3 | 368.2 | 371.2 | 374.3 | 377.5 | 380.8 | 384.1 | 387.4 | 390.0 |
| 50° | 342.3 | 345.6 | 348.9 | 352.2 | 355.5 | 358.8 | 362.1 | 365.3 | 368.6 | 371.9 | 374.8 |
| 52.5° | 325.2 | 328.5 | 331.7 | 335.0 | 338.3 | 341.8 | 345.6 | 349.3 | 353.1 | 356.8 | 359.8 |
| 55° | 300.1 | 303.2 | 306.4 | 309.5 | 312.6 | 316.4 | 320.9 | 325.4 | 329.8 | 334.3 | 337.3 |
| 57.5° | 272.2 | 276.0 | 279.9 | 283.8 | 287.7 | 291.8 | 296.2 | 300.7 | 305.1 | 309.5 | 313.1 |
| 60° | 253.9 | 257.8 | 261.7 | 265.5 | 269.4 | 273.8 | 278.7 | 283.6 | 288.5 | 293.4 | 296.9 |
| 62.5° | 236.3 | 240.5 | 244.7 | 248.9 | 253.1 | 257.7 | 262.6 | 267.5 | 272.5 | 277.4 | 280.8 |
| 65° | 207.7 | 212.5 | 217.2 | 222.0 | 226.8 | 231.7 | 236.7 | 241.8 | 246.8 | 251.9 | 255.6 |
| 67.5° | 180.2 | 185.3 | 190.4 | 195.4 | 200.4 | 205.7 | 211.1 | 216.5 | 222.0 | 227.4 | 231.2 |
| 70° | 161.4 | 166.5 | 171.6 | 176.7 | 181.8 | 187.1 | 192.7 | 198.4 | 204.1 | 209.7 | 213.7 |
| 72.5° | 143.3 | 148.4 | 153.6 | 158.8 | 163.9 | 169.5 | 175.6 | 181.6 | 187.6 | 193.6 | 197.5 |
| 75° | 115.2 | 120.7 | 126.2 | 131.7 | 137.2 | 143.2 | 149.4 | 155.7 | 162.0 | 168.2 | 172.4 |
| 77.5° | 89.1 | 95.0 | 100.8 | 106.6 | 112.4 | 118.6 | 125.2 | 131.7 | 138.3 | 144.8 | 149.0 |
| 80° | 73.0 | 79.0 | 85.0 | 90.9 | 96.9 | 103.1 | 109.7 | 116.2 | 122.8 | 129.3 | 133.8 |
| 82.5° | 56.9 | 63.1 | 69.3 | 75.5 | 81.7 | 88.1 | 94.6 | 101.2 | 107.7 | 114.3 | 118.9 |
| 85° | 35.5 | 41.8 | 48.0 | 54.2 | 60.5 | 67.0 | 73.7 | 80.4 | 87.1 | 93.8 | 98.2 |
| 87.5° | 20.4 | 27.0 | 33.6 | 40.1 | 46.7 | 53.4 | 60.3 | 67.2 | 74.0 | 80.9 | 85.5 |
| 90° | 13.7 | 22.1 | 30.6 | 38.9 | 47.4 | 55.6 | 63.8 | 72.0 | 80.2 | 88.3 | 94.0 |
| 92.5° | 22.8 | 28.2 | 33.8 | 39.3 | 44.8 | 51.6 | 59.8 | 67.9 | 76.1 | 84.3 | 89.9 |
| 95° | 63.7 | 61.1 | 58.5 | 55.8 | 53.1 | 55.0 | 61.3 | 67.7 | 74.0 | 80.3 | 85.7 |
| 97.5° | 124.8 | 133.7 | 142.7 | 151.6 | 160.5 | 155.6 | 136.8 | 118.0 | 99.3 | 80.6 | 84.6 |
| 100° | 171.4 | 179.3 | 187.2 | 195.1 | 202.9 | 194.4 | 169.5 | 144.6 | 119.9 | 95.0 | 95.1 |
| 102.5° | 224.3 | 230.6 | 236.9 | 243.2 | 249.6 | 253.6 | 255.3 | 256.9 | 258.6 | 260.4 | 223.4 |
| 105° | 307.2 | 311.5 | 315.8 | 320.1 | 324.4 | 329.8 | 336.5 | 343.1 | 349.7 | 356.4 | 362.1 |
| 107.5° | 385.3 | 388.4 | 391.5 | 394.6 | 397.7 | 402.6 | 409.3 | 416.0 | 422.8 | 429.5 | 434.1 |
| 110° | 437.6 | 440.3 | 443.1 | 445.8 | 448.6 | 453.2 | 459.8 | 466.3 | 472.9 | 479.4 | 483.3 |



TEST NUMBER: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 488.3 | 491.3 | 494.3 | 497.4 | 500.4 | 504.7 | 510.3 | 515.9 | 521.5 | 527.1 | 530.4 |
| 115° | 566.3 | 568.3 | 570.2 | 572.3 | 574.3 | 577.6 | 582.1 | 586.7 | 591.2 | 595.7 | 599.4 |
| 117.5° | 637.1 | 638.9 | 640.6 | 642.2 | 643.9 | 647.2 | 652.2 | 657.1 | 662.0 | 666.9 | 669.9 |
| 120° | 684.7 | 686.0 | 687.3 | 688.6 | 690.0 | 692.7 | 696.8 | 700.9 | 705.0 | 709.1 | 712.5 |
| 122.5° | 729.4 | 730.1 | 730.7 | 731.3 | 731.9 | 734.4 | 738.8 | 743.2 | 747.6 | 752.0 | 755.3 |
| 125° | 793.1 | 793.8 | 794.5 | 795.2 | 796.0 | 798.0 | 801.2 | 804.5 | 807.8 | 811.1 | 814.6 |
| 127.5° | 853.7 | 853.8 | 853.9 | 853.9 | 854.0 | 856.0 | 859.9 | 863.8 | 867.6 | 871.5 | 874.1 |
| 130° | 892.4 | 892.5 | 892.5 | 892.6 | 892.7 | 894.2 | 897.3 | 900.3 | 903.4 | 906.5 | 909.4 |
| 132.5° | 928.4 | 928.7 | 928.9 | 929.2 | 929.4 | 930.9 | 933.7 | 936.4 | 939.2 | 941.9 | 944.7 |
| 135° | 981.8 | 981.5 | 981.4 | 981.1 | 980.9 | 981.7 | 983.7 | 985.6 | 987.6 | 989.5 | 992.3 |
| 137.5° | 1029.6 | 1029.5 | 1029.5 | 1029.4 | 1029.3 | 1030.1 | 1031.6 | 1033.0 | 1034.5 | 1036.0 | 1038.6 |
| 140° | 1060.8 | 1061.1 | 1061.4 | 1061.7 | 1062.0 | 1062.5 | 1063.0 | 1063.6 | 1064.2 | 1064.8 | 1067.4 |
| 142.5° | 1088.3 | 1089.1 | 1089.9 | 1090.6 | 1091.4 | 1091.8 | 1092.0 | 1092.2 | 1092.4 | 1092.5 | 1094.8 |
| 145° | 1131.2 | 1131.7 | 1132.2 | 1132.7 | 1133.2 | 1133.5 | 1133.5 | 1133.5 | 1133.5 | 1133.5 | 1134.6 |
| 147.5° | 1165.4 | 1166.5 | 1167.6 | 1168.6 | 1169.8 | 1170.2 | 1170.0 | 1169.8 | 1169.5 | 1169.3 | 1169.6 |
| 150° | 1190.2 | 1190.9 | 1191.7 | 1192.4 | 1193.2 | 1193.4 | 1193.2 | 1193.0 | 1192.7 | 1192.5 | 1192.5 |
| 152.5° | 1210.5 | 1211.2 | 1211.9 | 1212.5 | 1213.2 | 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: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 | 598.3 |
| 2.5° | 596.2 | 597.0 | 597.9 | 598.2 | 598.1 | 598.0 | 597.9 | 597.8 |
| 5° | 594.7 | 595.8 | 597.0 | 597.5 | 597.4 | 597.3 | 597.1 | 596.9 |
| 7.5° | 591.5 | 592.8 | 594.2 | 594.8 | 594.6 | 594.4 | 594.3 | 594.2 |
| 10° | 588.2 | 589.6 | 590.9 | 591.5 | 591.4 | 591.2 | 591.1 | 590.9 |
| 12.5° | 583.8 | 585.0 | 586.2 | 586.8 | 586.8 | 586.7 | 586.7 | 586.7 |
| 15° | 575.5 | 576.9 | 578.2 | 578.8 | 578.7 | 578.5 | 578.3 | 578.2 |
| 17.5° | 565.5 | 566.9 | 568.3 | 568.9 | 568.8 | 568.7 | 568.5 | 568.4 |
| 20° | 557.8 | 559.2 | 560.7 | 561.5 | 561.5 | 561.5 | 561.5 | 561.5 |
| 22.5° | 548.6 | 550.1 | 551.6 | 552.5 | 552.7 | 552.9 | 553.2 | 553.5 |
| 25° | 534.6 | 536.2 | 537.9 | 538.7 | 538.9 | 539.1 | 539.2 | 539.3 |
| 27.5° | 518.8 | 520.3 | 521.9 | 522.7 | 522.9 | 523.1 | 523.2 | 523.4 |
| 30° | 507.8 | 509.5 | 511.1 | 512.0 | 512.3 | 512.6 | 512.9 | 513.2 |
| 32.5° | 496.5 | 498.3 | 500.2 | 501.3 | 501.6 | 501.9 | 502.2 | 502.5 |
| 35° | 478.5 | 480.6 | 482.7 | 484.0 | 484.4 | 484.8 | 485.3 | 485.8 |
| 37.5° | 459.9 | 461.9 | 464.1 | 465.4 | 465.8 | 466.3 | 466.7 | 467.3 |
| 40° | 446.7 | 448.9 | 451.2 | 452.5 | 453.1 | 453.7 | 454.3 | 455.0 |
| 42.5° | 433.8 | 436.2 | 438.7 | 440.1 | 440.7 | 441.1 | 441.6 | 442.0 |
| 45° | 413.8 | 416.3 | 418.8 | 420.4 | 421.2 | 422.0 | 422.7 | 423.4 |
| 47.5° | 392.6 | 395.3 | 397.9 | 399.6 | 400.5 | 401.4 | 402.3 | 403.2 |
| 50° | 377.8 | 380.8 | 383.7 | 385.7 | 386.6 | 387.4 | 388.4 | 389.3 |
| 52.5° | 362.8 | 365.8 | 368.8 | 370.7 | 371.6 | 372.5 | 373.3 | 374.3 |
| 55° | 340.3 | 343.3 | 346.2 | 348.2 | 349.0 | 350.0 | 350.9 | 351.7 |
| 57.5° | 316.6 | 320.2 | 323.7 | 325.9 | 326.7 | 327.5 | 328.4 | 329.2 |
| 60° | 300.3 | 303.8 | 307.1 | 309.4 | 310.6 | 311.9 | 313.1 | 314.3 |
| 62.5° | 284.2 | 287.7 | 291.1 | 293.3 | 294.5 | 295.8 | 297.0 | 298.2 |
| 65° | 259.3 | 263.1 | 266.8 | 269.2 | 270.4 | 271.6 | 272.9 | 274.1 |
| 67.5° | 235.0 | 238.8 | 242.5 | 245.0 | 246.2 | 247.3 | 248.5 | 249.6 |
| 70° | 217.7 | 221.8 | 225.8 | 228.3 | 229.4 | 230.4 | 231.4 | 232.5 |
| 72.5° | 201.4 | 205.3 | 209.2 | 211.7 | 212.9 | 214.0 | 215.2 | 216.4 |
| 75° | 176.5 | 180.6 | 184.9 | 187.6 | 188.9 | 190.3 | 191.7 | 193.0 |
| 77.5° | 153.3 | 157.6 | 161.8 | 164.6 | 166.0 | 167.5 | 168.8 | 170.3 |
| 80° | 138.3 | 142.7 | 147.1 | 150.0 | 151.2 | 152.4 | 153.6 | 154.8 |
| 82.5° | 123.5 | 128.0 | 132.7 | 135.6 | 136.9 | 138.2 | 139.5 | 140.9 |
| 85° | 102.7 | 107.2 | 111.7 | 114.7 | 116.1 | 117.6 | 119.1 | 120.6 |
| 87.5° | 90.1 | 94.7 | 99.3 | 102.3 | 103.7 | 105.0 | 106.4 | 107.9 |
| 90° | 99.6 | 105.3 | 111.0 | 114.6 | 116.2 | 117.9 | 119.5 | 121.1 |
| 92.5° | 95.4 | 100.9 | 106.4 | 109.9 | 111.2 | 112.4 | 113.7 | 114.9 |
| 95° | 91.0 | 96.3 | 101.7 | 105.2 | 106.8 | 108.3 | 109.9 | 111.4 |
| 97.5° | 88.6 | 92.6 | 96.7 | 99.4 | 101.0 | 102.5 | 103.9 | 105.5 |
| 100° | 95.4 | 95.7 | 95.9 | 96.7 | 97.9 | 99.2 | 100.5 | 101.7 |
| 102.5° | 186.6 | 149.7 | 112.9 | 95.0 | 96.2 | 97.4 | 98.6 | 99.8 |
| 105° | 367.8 | 373.5 | 379.3 | 378.7 | 371.9 | 365.1 | 358.3 | 351.5 |
| 107.5° | 438.8 | 443.4 | 448.1 | 451.3 | 453.2 | 455.2 | 457.1 | 459.0 |
| 110° | 487.2 | 491.0 | 494.9 | 497.7 | 499.6 | 501.4 | 503.3 | 505.1 |



TEST NUMBER: P332574-935

CATALOG NUMBER: S124DIP-S575D1205U935-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 533.6 | 536.7 | 540.0 | 542.6 | 544.7 | 546.6 | 548.7 | 550.8 |
| 115° | 603.2 | 606.9 | 610.6 | 613.0 | 614.1 | 615.1 | 616.1 | 617.2 |
| 117.5° | 673.0 | 676.0 | 679.0 | 681.1 | 682.2 | 683.2 | 684.3 | 685.4 |
| 120° | 715.9 | 719.4 | 722.8 | 724.9 | 725.7 | 726.3 | 727.1 | 727.9 |
| 122.5° | 758.5 | 761.7 | 765.0 | 767.0 | 767.6 | 768.2 | 768.8 | 769.5 |
| 125° | 818.1 | 821.6 | 825.1 | 827.4 | 828.5 | 829.7 | 830.8 | 831.9 |
| 127.5° | 876.6 | 879.2 | 881.7 | 883.4 | 884.2 | 885.0 | 885.9 | 886.7 |
| 130° | 912.2 | 915.2 | 918.1 | 920.0 | 920.8 | 921.8 | 922.6 | 923.5 |
| 132.5° | 947.5 | 950.3 | 953.0 | 954.8 | 955.5 | 956.2 | 956.9 | 957.7 |
| 135° | 995.1 | 998.0 | 1000.7 | 1002.9 | 1004.2 | 1005.6 | 1006.9 | 1008.2 |
| 137.5° | 1041.3 | 1044.0 | 1046.6 | 1048.3 | 1048.9 | 1049.5 | 1050.2 | 1050.8 |
| 140° | 1070.1 | 1072.6 | 1075.2 | 1077.0 | 1078.0 | 1078.9 | 1079.9 | 1080.9 |
| 142.5° | 1096.9 | 1099.1 | 1101.3 | 1102.7 | 1103.4 | 1104.1 | 1104.7 | 1105.4 |
| 145° | 1135.7 | 1136.9 | 1138.0 | 1139.0 | 1140.1 | 1141.1 | 1142.2 | 1143.2 |
| 147.5° | 1169.9 | 1170.2 | 1170.5 | 1171.0 | 1171.7 | 1172.4 | 1173.1 | 1173.8 |
| 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)