

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: FAIL-SAFE

Report Number: P709082

Luminaire Tested: **4APN-X-26L850-UNV**

Issue Date: 09/12/2023



Test Information

Test Method: LM-79-08
Report Number: P709082
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/12/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 4APN-X-26L850-UNV
Description: ArcMed Patient Recessed 4 FT x6 IN Fixture EXAM Light
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

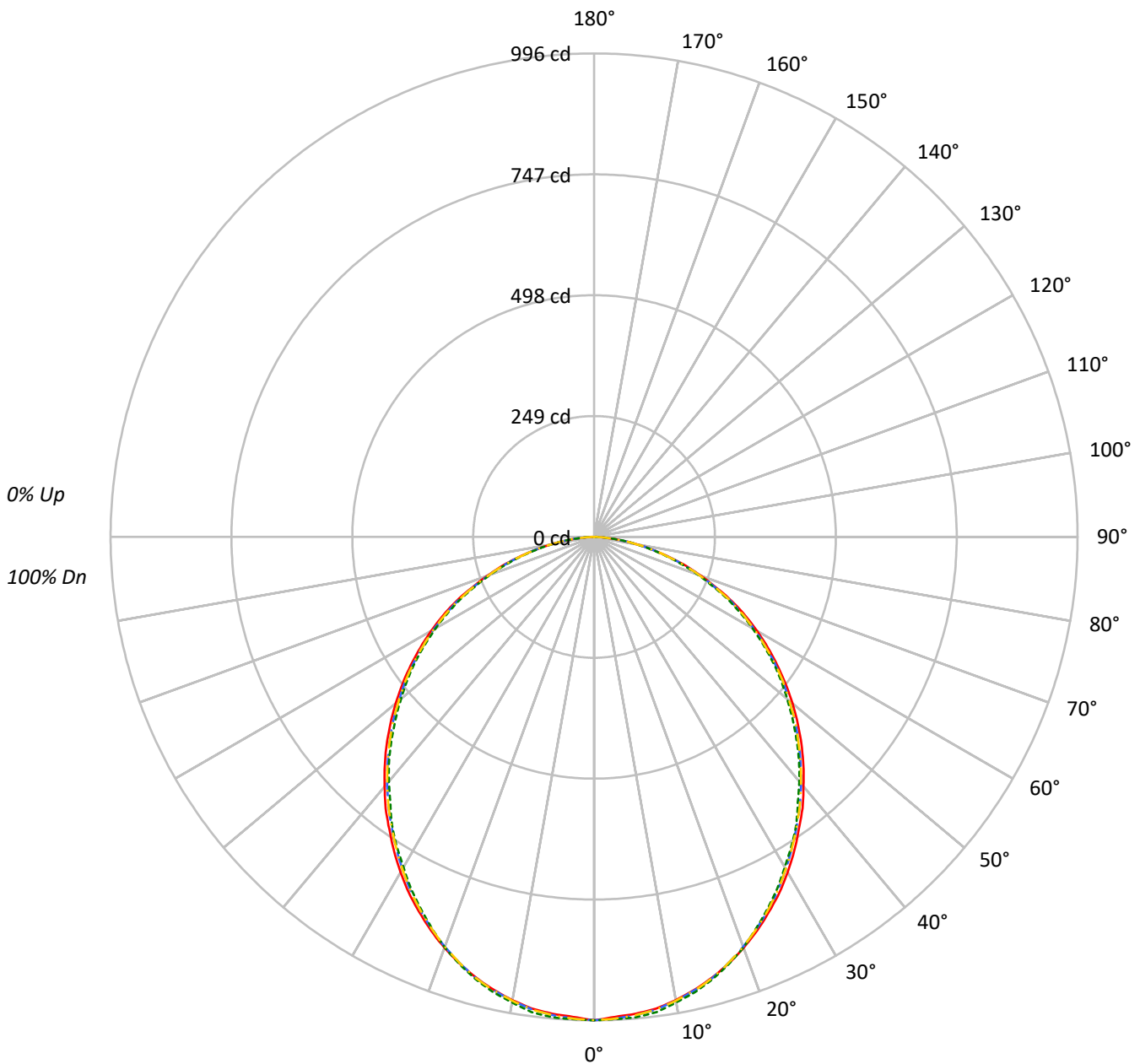
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2590.6 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.3
Luminous Opening: Rectangular (W 0.29' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.2
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: P709082
CATALOG NUMBER: 4APN-X-26L850-UNV

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



TEST NUMBER: P709082
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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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 95 | 98 | 95 | 92 | 94 | 91 | 89 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 2 | 99 | 91 | 84 | 79 | 97 | 89 | 83 | 78 | 86 | 80 | 76 | 82 | 78 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 70 |
| 3 | 91 | 80 | 72 | 66 | 88 | 79 | 71 | 65 | 76 | 69 | 64 | 73 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 62 | 60 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 53 | 53 | 53 | 51 |
| 5 | 76 | 64 | 55 | 48 | 74 | 63 | 54 | 48 | 60 | 53 | 47 | 59 | 52 | 47 | 57 | 51 | 46 | 46 | 46 | 46 | 44 |
| 6 | 71 | 57 | 49 | 42 | 69 | 57 | 48 | 42 | 55 | 47 | 42 | 53 | 46 | 41 | 51 | 46 | 41 | 41 | 41 | 41 | 39 |
| 7 | 66 | 52 | 43 | 37 | 64 | 51 | 43 | 37 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 36 | 36 | 36 | 36 | 34 |
| 8 | 61 | 48 | 39 | 33 | 60 | 47 | 39 | 33 | 46 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 33 | 33 | 33 | 31 |
| 9 | 57 | 44 | 36 | 30 | 56 | 43 | 35 | 30 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 30 | 30 | 30 | 28 |
| 10 | 54 | 40 | 33 | 27 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 27 | 27 | 27 | 27 | 25 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 9187 | 9187 | 9187 | 9187 |
| 5° | 9132 | 9199 | 9132 | 9199 |
| 10° | 9078 | 9123 | 9078 | 9123 |
| 15° | 8977 | 9011 | 8977 | 9011 |
| 20° | 8845 | 8834 | 8845 | 8834 |
| 25° | 8676 | 8602 | 8676 | 8602 |
| 30° | 8497 | 8367 | 8497 | 8367 |
| 35° | 8284 | 8175 | 8284 | 8175 |
| 40° | 8083 | 7921 | 8083 | 7921 |
| 45° | 7883 | 7694 | 7883 | 7694 |
| 50° | 7660 | 7451 | 7660 | 7451 |
| 55° | 7412 | 7235 | 7412 | 7235 |
| 60° | 7156 | 6955 | 7156 | 6955 |
| 65° | 6848 | 6634 | 6848 | 6634 |
| 70° | 6328 | 6134 | 6328 | 6134 |
| 75° | 5721 | 5547 | 5721 | 5547 |
| 80° | 4909 | 4782 | 4909 | 4782 |
| 85° | 3737 | 3737 | 3737 | 3737 |



TEST NUMBER: P709082
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.0 | 3.6 |
| 10°-20° | 265.4 | 10.2 |
| 20°-30° | 391.2 | 15.1 |
| 30°-40° | 456.6 | 17.6 |
| 40°-50° | 460.4 | 17.8 |
| 50°-60° | 406.9 | 15.7 |
| 60°-70° | 304.3 | 11.7 |
| 70°-80° | 168.7 | 6.5 |
| 80°-90° | 43.3 | 1.7 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 750.5 | 29.0 |
| 0°-40° | 1207.2 | 46.6 |
| 0°-60° | 2074.4 | 80.1 |
| 0°-90° | 2590.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2590.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 996 | 996 | 996 | 996 | 996 | |
| 5° | 986 | 993 | 986 | 993 | 986 | 94 |
| 15° | 940 | 943 | 940 | 943 | 940 | 265 |
| 25° | 852 | 845 | 852 | 845 | 852 | 393 |
| 35° | 736 | 726 | 736 | 726 | 736 | 461 |
| 45° | 604 | 590 | 604 | 590 | 604 | 466 |
| 55° | 461 | 450 | 461 | 450 | 461 | 412 |
| 65° | 314 | 304 | 314 | 304 | 314 | 309 |
| 75° | 160 | 156 | 160 | 156 | 160 | 171 |
| 85° | 35 | 35 | 35 | 35 | 35 | 43 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P709082

CATALOG NUMBER: 4APN-X-26L850-UNV

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 |
| 2.5° | 989.6 | 994.5 | 999.4 | 998.2 | 994.5 | 992.1 | 993.3 | 993.3 | 994.5 | 994.5 | 994.5 |
| 5° | 986.0 | 990.9 | 994.5 | 993.3 | 989.6 | 988.4 | 988.4 | 988.4 | 990.9 | 993.3 | 990.9 |
| 7.5° | 979.9 | 983.6 | 987.2 | 986.0 | 982.4 | 981.1 | 981.1 | 982.4 | 984.8 | 987.2 | 984.8 |
| 10° | 969.0 | 973.8 | 977.5 | 975.1 | 971.4 | 969.0 | 969.0 | 969.0 | 971.4 | 973.8 | 971.4 |
| 12.5° | 955.6 | 959.3 | 962.9 | 961.7 | 958.0 | 955.6 | 955.6 | 955.6 | 958.0 | 960.5 | 958.0 |
| 15° | 939.8 | 943.4 | 947.1 | 945.9 | 942.2 | 939.8 | 939.8 | 939.8 | 942.2 | 943.4 | 942.2 |
| 17.5° | 921.6 | 925.2 | 928.9 | 926.4 | 921.6 | 919.1 | 919.1 | 919.1 | 921.6 | 922.8 | 921.6 |
| 20° | 900.9 | 904.5 | 907.0 | 904.5 | 899.7 | 897.2 | 896.0 | 896.0 | 898.5 | 899.7 | 898.5 |
| 22.5° | 877.8 | 880.2 | 882.7 | 880.2 | 875.4 | 872.9 | 871.7 | 870.5 | 871.7 | 872.9 | 871.7 |
| 25° | 852.3 | 854.7 | 857.1 | 854.7 | 849.8 | 846.2 | 845.0 | 843.8 | 845.0 | 845.0 | 845.0 |
| 27.5° | 826.7 | 827.9 | 830.4 | 826.7 | 821.9 | 818.2 | 817.0 | 815.8 | 817.0 | 817.0 | 817.0 |
| 30° | 797.6 | 798.8 | 801.2 | 797.6 | 791.5 | 787.8 | 786.6 | 785.4 | 785.4 | 785.4 | 785.4 |
| 32.5° | 767.2 | 769.6 | 772.0 | 767.2 | 761.1 | 757.4 | 756.2 | 755.0 | 756.2 | 756.2 | 756.2 |
| 35° | 735.5 | 736.8 | 739.2 | 735.5 | 729.5 | 725.8 | 723.4 | 722.2 | 724.6 | 725.8 | 724.6 |
| 37.5° | 705.2 | 706.4 | 707.6 | 703.9 | 697.9 | 694.2 | 691.8 | 690.6 | 689.3 | 689.3 | 689.3 |
| 40° | 671.1 | 672.3 | 674.8 | 671.1 | 665.0 | 661.4 | 659.0 | 657.7 | 657.7 | 657.7 | 657.7 |
| 42.5° | 638.3 | 639.5 | 640.7 | 637.1 | 631.0 | 627.3 | 624.9 | 623.7 | 624.9 | 624.9 | 624.9 |
| 45° | 604.2 | 604.2 | 605.5 | 601.8 | 597.0 | 593.3 | 590.9 | 589.7 | 589.7 | 589.7 | 589.7 |
| 47.5° | 569.0 | 570.2 | 571.4 | 567.8 | 562.9 | 559.3 | 556.8 | 554.4 | 554.4 | 554.4 | 554.4 |
| 50° | 533.7 | 533.7 | 534.9 | 531.3 | 526.4 | 522.8 | 521.6 | 520.4 | 519.1 | 519.1 | 519.1 |
| 52.5° | 497.3 | 498.5 | 499.7 | 496.0 | 492.4 | 488.7 | 486.3 | 485.1 | 485.1 | 485.1 | 485.1 |
| 55° | 460.8 | 460.8 | 462.0 | 459.6 | 455.9 | 452.3 | 449.8 | 448.6 | 449.8 | 449.8 | 449.8 |
| 57.5° | 424.3 | 425.5 | 426.7 | 423.1 | 419.4 | 415.8 | 414.6 | 413.4 | 413.4 | 413.4 | 413.4 |
| 60° | 387.8 | 387.8 | 389.1 | 386.6 | 383.0 | 379.3 | 378.1 | 376.9 | 376.9 | 376.9 | 376.9 |
| 62.5° | 351.4 | 351.4 | 352.6 | 350.1 | 346.5 | 342.9 | 341.6 | 340.4 | 340.4 | 340.4 | 340.4 |
| 65° | 313.7 | 313.7 | 313.7 | 311.2 | 308.8 | 307.6 | 306.4 | 305.2 | 303.9 | 303.9 | 303.9 |
| 67.5° | 272.3 | 272.3 | 273.6 | 271.1 | 268.7 | 267.5 | 266.3 | 265.0 | 263.8 | 263.8 | 263.8 |
| 70° | 234.6 | 234.6 | 235.9 | 234.6 | 232.2 | 231.0 | 229.8 | 228.6 | 227.4 | 227.4 | 227.4 |
| 72.5° | 198.2 | 198.2 | 198.2 | 197.0 | 195.7 | 194.5 | 193.3 | 192.1 | 190.9 | 190.9 | 190.9 |
| 75° | 160.5 | 160.5 | 161.7 | 160.5 | 159.3 | 158.1 | 156.8 | 156.8 | 155.6 | 155.6 | 155.6 |
| 77.5° | 125.2 | 126.4 | 127.7 | 126.4 | 125.2 | 124.0 | 122.8 | 122.8 | 121.6 | 121.6 | 121.6 |
| 80° | 92.4 | 93.6 | 94.8 | 93.6 | 92.4 | 91.2 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 82.5° | 62.0 | 63.2 | 64.4 | 63.2 | 62.0 | 62.0 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 85° | 35.3 | 36.5 | 37.7 | 37.7 | 36.5 | 36.5 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 87.5° | 13.4 | 14.6 | 15.8 | 15.8 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P709082
 CATALOG NUMBER: 4APN-X-26L850-UNV

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 |
| 2.5° | 993.3 | 993.3 | 992.1 | 994.5 | 998.2 | 999.4 | 994.5 | 989.6 | 994.5 | 999.4 | 998.2 |
| 5° | 988.4 | 988.4 | 988.4 | 989.6 | 993.3 | 994.5 | 990.9 | 986.0 | 990.9 | 994.5 | 993.3 |
| 7.5° | 982.4 | 981.1 | 981.1 | 982.4 | 986.0 | 987.2 | 983.6 | 979.9 | 983.6 | 987.2 | 986.0 |
| 10° | 969.0 | 969.0 | 969.0 | 971.4 | 975.1 | 977.5 | 973.8 | 969.0 | 973.8 | 977.5 | 975.1 |
| 12.5° | 955.6 | 955.6 | 955.6 | 958.0 | 961.7 | 962.9 | 959.3 | 955.6 | 959.3 | 962.9 | 961.7 |
| 15° | 939.8 | 939.8 | 939.8 | 942.2 | 945.9 | 947.1 | 943.4 | 939.8 | 943.4 | 947.1 | 945.9 |
| 17.5° | 919.1 | 919.1 | 919.1 | 921.6 | 926.4 | 928.9 | 925.2 | 921.6 | 925.2 | 928.9 | 926.4 |
| 20° | 896.0 | 896.0 | 897.2 | 899.7 | 904.5 | 907.0 | 904.5 | 900.9 | 904.5 | 907.0 | 904.5 |
| 22.5° | 870.5 | 871.7 | 872.9 | 875.4 | 880.2 | 882.7 | 880.2 | 877.8 | 880.2 | 882.7 | 880.2 |
| 25° | 843.8 | 845.0 | 846.2 | 849.8 | 854.7 | 857.1 | 854.7 | 852.3 | 854.7 | 857.1 | 854.7 |
| 27.5° | 815.8 | 817.0 | 818.2 | 821.9 | 826.7 | 830.4 | 827.9 | 826.7 | 827.9 | 830.4 | 826.7 |
| 30° | 785.4 | 786.6 | 787.8 | 791.5 | 797.6 | 801.2 | 798.8 | 797.6 | 798.8 | 801.2 | 797.6 |
| 32.5° | 755.0 | 756.2 | 757.4 | 761.1 | 767.2 | 772.0 | 769.6 | 767.2 | 769.6 | 772.0 | 767.2 |
| 35° | 722.2 | 723.4 | 725.8 | 729.5 | 735.5 | 739.2 | 736.8 | 735.5 | 736.8 | 739.2 | 735.5 |
| 37.5° | 690.6 | 691.8 | 694.2 | 697.9 | 703.9 | 707.6 | 706.4 | 705.2 | 706.4 | 707.6 | 703.9 |
| 40° | 657.7 | 659.0 | 661.4 | 665.0 | 671.1 | 674.8 | 672.3 | 671.1 | 672.3 | 674.8 | 671.1 |
| 42.5° | 623.7 | 624.9 | 627.3 | 631.0 | 637.1 | 640.7 | 639.5 | 638.3 | 639.5 | 640.7 | 637.1 |
| 45° | 589.7 | 590.9 | 593.3 | 597.0 | 601.8 | 605.5 | 604.2 | 604.2 | 604.2 | 605.5 | 601.8 |
| 47.5° | 554.4 | 556.8 | 559.3 | 562.9 | 567.8 | 571.4 | 570.2 | 569.0 | 570.2 | 571.4 | 567.8 |
| 50° | 520.4 | 521.6 | 522.8 | 526.4 | 531.3 | 534.9 | 533.7 | 533.7 | 533.7 | 534.9 | 531.3 |
| 52.5° | 485.1 | 486.3 | 488.7 | 492.4 | 496.0 | 499.7 | 498.5 | 497.3 | 498.5 | 499.7 | 496.0 |
| 55° | 448.6 | 449.8 | 452.3 | 455.9 | 459.6 | 462.0 | 460.8 | 460.8 | 460.8 | 462.0 | 459.6 |
| 57.5° | 413.4 | 414.6 | 415.8 | 419.4 | 423.1 | 426.7 | 425.5 | 424.3 | 425.5 | 426.7 | 423.1 |
| 60° | 376.9 | 378.1 | 379.3 | 383.0 | 386.6 | 389.1 | 387.8 | 387.8 | 387.8 | 389.1 | 386.6 |
| 62.5° | 340.4 | 341.6 | 342.9 | 346.5 | 350.1 | 352.6 | 351.4 | 351.4 | 351.4 | 352.6 | 350.1 |
| 65° | 305.2 | 306.4 | 307.6 | 308.8 | 311.2 | 313.7 | 313.7 | 313.7 | 313.7 | 313.7 | 311.2 |
| 67.5° | 265.0 | 266.3 | 267.5 | 268.7 | 271.1 | 273.6 | 272.3 | 272.3 | 272.3 | 273.6 | 271.1 |
| 70° | 228.6 | 229.8 | 231.0 | 232.2 | 234.6 | 235.9 | 234.6 | 234.6 | 234.6 | 235.9 | 234.6 |
| 72.5° | 192.1 | 193.3 | 194.5 | 195.7 | 197.0 | 198.2 | 198.2 | 198.2 | 198.2 | 198.2 | 197.0 |
| 75° | 156.8 | 156.8 | 158.1 | 159.3 | 160.5 | 161.7 | 160.5 | 160.5 | 160.5 | 161.7 | 160.5 |
| 77.5° | 122.8 | 122.8 | 124.0 | 125.2 | 126.4 | 127.7 | 126.4 | 125.2 | 126.4 | 127.7 | 126.4 |
| 80° | 90.0 | 90.0 | 91.2 | 92.4 | 93.6 | 94.8 | 93.6 | 92.4 | 93.6 | 94.8 | 93.6 |
| 82.5° | 60.8 | 60.8 | 62.0 | 62.0 | 63.2 | 64.4 | 63.2 | 62.0 | 63.2 | 64.4 | 63.2 |
| 85° | 35.3 | 35.3 | 36.5 | 36.5 | 37.7 | 37.7 | 36.5 | 35.3 | 36.5 | 37.7 | 37.7 |
| 87.5° | 14.6 | 14.6 | 14.6 | 14.6 | 15.8 | 15.8 | 14.6 | 13.4 | 14.6 | 15.8 | 15.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P709082
 CATALOG NUMBER: 4APN-X-26L850-UNV

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 | 995.7 |
| 2.5° | 994.5 | 992.1 | 993.3 | 993.3 | 994.5 | 994.5 | 994.5 | 993.3 | 993.3 | 992.1 | 994.5 |
| 5° | 989.6 | 988.4 | 988.4 | 988.4 | 990.9 | 993.3 | 990.9 | 988.4 | 988.4 | 988.4 | 989.6 |
| 7.5° | 982.4 | 981.1 | 981.1 | 982.4 | 984.8 | 987.2 | 984.8 | 982.4 | 981.1 | 981.1 | 982.4 |
| 10° | 971.4 | 969.0 | 969.0 | 969.0 | 971.4 | 973.8 | 971.4 | 969.0 | 969.0 | 969.0 | 971.4 |
| 12.5° | 958.0 | 955.6 | 955.6 | 955.6 | 958.0 | 960.5 | 958.0 | 955.6 | 955.6 | 955.6 | 958.0 |
| 15° | 942.2 | 939.8 | 939.8 | 939.8 | 942.2 | 943.4 | 942.2 | 939.8 | 939.8 | 939.8 | 942.2 |
| 17.5° | 921.6 | 919.1 | 919.1 | 919.1 | 921.6 | 922.8 | 921.6 | 919.1 | 919.1 | 919.1 | 921.6 |
| 20° | 899.7 | 897.2 | 896.0 | 896.0 | 898.5 | 899.7 | 898.5 | 896.0 | 896.0 | 897.2 | 899.7 |
| 22.5° | 875.4 | 872.9 | 871.7 | 870.5 | 871.7 | 872.9 | 871.7 | 870.5 | 871.7 | 872.9 | 875.4 |
| 25° | 849.8 | 846.2 | 845.0 | 843.8 | 845.0 | 845.0 | 845.0 | 843.8 | 845.0 | 846.2 | 849.8 |
| 27.5° | 821.9 | 818.2 | 817.0 | 815.8 | 817.0 | 817.0 | 817.0 | 815.8 | 817.0 | 818.2 | 821.9 |
| 30° | 791.5 | 787.8 | 786.6 | 785.4 | 785.4 | 785.4 | 785.4 | 785.4 | 786.6 | 787.8 | 791.5 |
| 32.5° | 761.1 | 757.4 | 756.2 | 755.0 | 756.2 | 756.2 | 756.2 | 755.0 | 756.2 | 757.4 | 761.1 |
| 35° | 729.5 | 725.8 | 723.4 | 722.2 | 724.6 | 725.8 | 724.6 | 722.2 | 723.4 | 725.8 | 729.5 |
| 37.5° | 697.9 | 694.2 | 691.8 | 690.6 | 689.3 | 689.3 | 689.3 | 690.6 | 691.8 | 694.2 | 697.9 |
| 40° | 665.0 | 661.4 | 659.0 | 657.7 | 657.7 | 657.7 | 657.7 | 657.7 | 659.0 | 661.4 | 665.0 |
| 42.5° | 631.0 | 627.3 | 624.9 | 623.7 | 624.9 | 624.9 | 624.9 | 623.7 | 624.9 | 627.3 | 631.0 |
| 45° | 597.0 | 593.3 | 590.9 | 589.7 | 589.7 | 589.7 | 589.7 | 589.7 | 590.9 | 593.3 | 597.0 |
| 47.5° | 562.9 | 559.3 | 556.8 | 554.4 | 554.4 | 554.4 | 554.4 | 554.4 | 556.8 | 559.3 | 562.9 |
| 50° | 526.4 | 522.8 | 521.6 | 520.4 | 519.1 | 519.1 | 519.1 | 520.4 | 521.6 | 522.8 | 526.4 |
| 52.5° | 492.4 | 488.7 | 486.3 | 485.1 | 485.1 | 485.1 | 485.1 | 485.1 | 486.3 | 488.7 | 492.4 |
| 55° | 455.9 | 452.3 | 449.8 | 448.6 | 449.8 | 449.8 | 449.8 | 448.6 | 449.8 | 452.3 | 455.9 |
| 57.5° | 419.4 | 415.8 | 414.6 | 413.4 | 413.4 | 413.4 | 413.4 | 413.4 | 414.6 | 415.8 | 419.4 |
| 60° | 383.0 | 379.3 | 378.1 | 376.9 | 376.9 | 376.9 | 376.9 | 376.9 | 378.1 | 379.3 | 383.0 |
| 62.5° | 346.5 | 342.9 | 341.6 | 340.4 | 340.4 | 340.4 | 340.4 | 340.4 | 341.6 | 342.9 | 346.5 |
| 65° | 308.8 | 307.6 | 306.4 | 305.2 | 303.9 | 303.9 | 303.9 | 305.2 | 306.4 | 307.6 | 308.8 |
| 67.5° | 268.7 | 267.5 | 266.3 | 265.0 | 263.8 | 263.8 | 263.8 | 265.0 | 266.3 | 267.5 | 268.7 |
| 70° | 232.2 | 231.0 | 229.8 | 228.6 | 227.4 | 227.4 | 227.4 | 228.6 | 229.8 | 231.0 | 232.2 |
| 72.5° | 195.7 | 194.5 | 193.3 | 192.1 | 190.9 | 190.9 | 190.9 | 192.1 | 193.3 | 194.5 | 195.7 |
| 75° | 159.3 | 158.1 | 156.8 | 156.8 | 155.6 | 155.6 | 155.6 | 156.8 | 156.8 | 158.1 | 159.3 |
| 77.5° | 125.2 | 124.0 | 122.8 | 122.8 | 121.6 | 121.6 | 121.6 | 122.8 | 122.8 | 124.0 | 125.2 |
| 80° | 92.4 | 91.2 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 91.2 | 92.4 |
| 82.5° | 62.0 | 62.0 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 62.0 | 62.0 |
| 85° | 36.5 | 36.5 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 36.5 | 36.5 |
| 87.5° | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P709082
 CATALOG NUMBER: 4APN-X-26L850-UNV

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|-------|-------|-------|-------|
| 0° | 995.7 | 995.7 | 995.7 | 995.7 |
| 2.5° | 998.2 | 999.4 | 994.5 | 989.6 |
| 5° | 993.3 | 994.5 | 990.9 | 986.0 |
| 7.5° | 986.0 | 987.2 | 983.6 | 979.9 |
| 10° | 975.1 | 977.5 | 973.8 | 969.0 |
| 12.5° | 961.7 | 962.9 | 959.3 | 955.6 |
| 15° | 945.9 | 947.1 | 943.4 | 939.8 |
| 17.5° | 926.4 | 928.9 | 925.2 | 921.6 |
| 20° | 904.5 | 907.0 | 904.5 | 900.9 |
| 22.5° | 880.2 | 882.7 | 880.2 | 877.8 |
| 25° | 854.7 | 857.1 | 854.7 | 852.3 |
| 27.5° | 826.7 | 830.4 | 827.9 | 826.7 |
| 30° | 797.6 | 801.2 | 798.8 | 797.6 |
| 32.5° | 767.2 | 772.0 | 769.6 | 767.2 |
| 35° | 735.5 | 739.2 | 736.8 | 735.5 |
| 37.5° | 703.9 | 707.6 | 706.4 | 705.2 |
| 40° | 671.1 | 674.8 | 672.3 | 671.1 |
| 42.5° | 637.1 | 640.7 | 639.5 | 638.3 |
| 45° | 601.8 | 605.5 | 604.2 | 604.2 |
| 47.5° | 567.8 | 571.4 | 570.2 | 569.0 |
| 50° | 531.3 | 534.9 | 533.7 | 533.7 |
| 52.5° | 496.0 | 499.7 | 498.5 | 497.3 |
| 55° | 459.6 | 462.0 | 460.8 | 460.8 |
| 57.5° | 423.1 | 426.7 | 425.5 | 424.3 |
| 60° | 386.6 | 389.1 | 387.8 | 387.8 |
| 62.5° | 350.1 | 352.6 | 351.4 | 351.4 |
| 65° | 311.2 | 313.7 | 313.7 | 313.7 |
| 67.5° | 271.1 | 273.6 | 272.3 | 272.3 |
| 70° | 234.6 | 235.9 | 234.6 | 234.6 |
| 72.5° | 197.0 | 198.2 | 198.2 | 198.2 |
| 75° | 160.5 | 161.7 | 160.5 | 160.5 |
| 77.5° | 126.4 | 127.7 | 126.4 | 125.2 |
| 80° | 93.6 | 94.8 | 93.6 | 92.4 |
| 82.5° | 63.2 | 64.4 | 63.2 | 62.0 |
| 85° | 37.7 | 37.7 | 36.5 | 35.3 |
| 87.5° | 15.8 | 15.8 | 14.6 | 13.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)