

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: P709076

Luminaire Tested: **4APN-X-26L840-UNV**

Issue Date: 09/12/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709076  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/12/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 4APN-X-26L840-UNV  
Description: ArcMed Patient Recessed 4 FT x6 IN Fixture EXAM Light  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

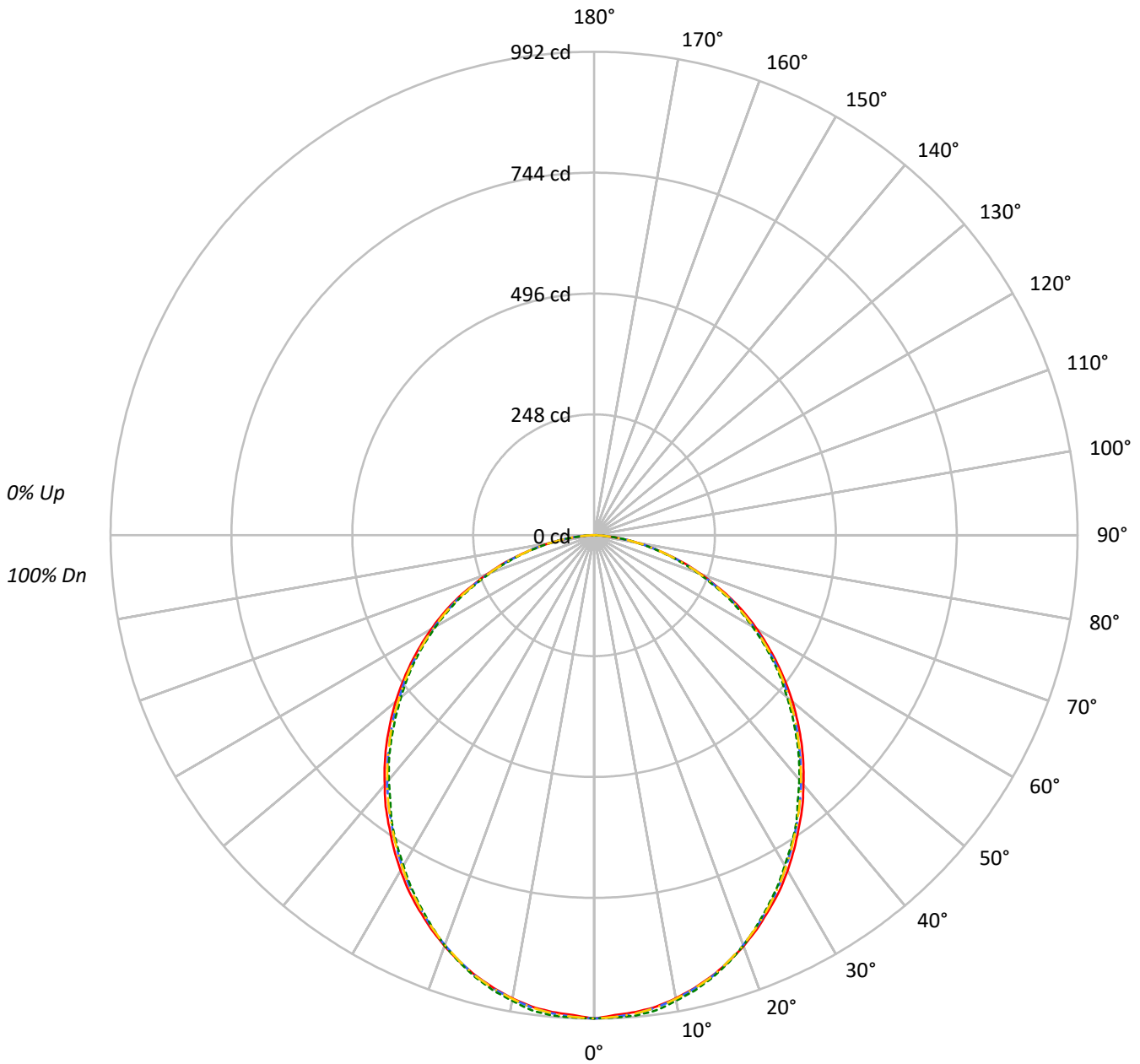
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2579.8 lumens  
Efficiency: N/A  
Efficacy: 91.5 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

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### Luminous Intensity Polar Plot



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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 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°  | 9149 | 9149 | 9149 | 9149 |
| 5°  | 9094 | 9160 | 9094 | 9160 |
| 10° | 9040 | 9086 | 9040 | 9086 |
| 15° | 8939 | 8974 | 8939 | 8974 |
| 20° | 8808 | 8796 | 8808 | 8796 |
| 25° | 8640 | 8565 | 8640 | 8565 |
| 30° | 8461 | 8332 | 8461 | 8332 |
| 35° | 8250 | 8141 | 8250 | 8141 |
| 40° | 8049 | 7889 | 8049 | 7889 |
| 45° | 7851 | 7662 | 7851 | 7662 |
| 50° | 7629 | 7421 | 7629 | 7421 |
| 55° | 7382 | 7206 | 7382 | 7206 |
| 60° | 7126 | 6925 | 7126 | 6925 |
| 65° | 6820 | 6608 | 6820 | 6608 |
| 70° | 6304 | 6107 | 6304 | 6107 |
| 75° | 5696 | 5525 | 5696 | 5525 |
| 80° | 4888 | 4761 | 4888 | 4761 |
| 85° | 3716 | 3716 | 3716 | 3716 |



TEST NUMBER: P709076  
 CATALOG NUMBER: 4APN-X-26L840-UNV

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 93.6   | 3.6       |
| 10°-20°   | 264.3  | 10.2      |
| 20°-30°   | 389.5  | 15.1      |
| 30°-40°   | 454.7  | 17.6      |
| 40°-50°   | 458.5  | 17.8      |
| 50°-60°   | 405.2  | 15.7      |
| 60°-70°   | 303.0  | 11.7      |
| 70°-80°   | 168.0  | 6.5       |
| 80°-90°   | 43.0   | 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°    | 747.4  | 29.0      |
| 0°-40°    | 1202.1 | 46.6      |
| 0°-60°    | 2065.8 | 80.1      |
| 0°-90°    | 2579.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2579.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0°  | 992 | 992 | 992  | 992  | 992  |      |
| 5°  | 982 | 989 | 982  | 989  | 982  | 93   |
| 15° | 936 | 940 | 936  | 940  | 936  | 264  |
| 25° | 849 | 841 | 849  | 841  | 849  | 391  |
| 35° | 732 | 723 | 732  | 723  | 732  | 459  |
| 45° | 602 | 587 | 602  | 587  | 602  | 464  |
| 55° | 459 | 448 | 459  | 448  | 459  | 410  |
| 65° | 312 | 303 | 312  | 303  | 312  | 308  |
| 75° | 160 | 155 | 160  | 155  | 160  | 170  |
| 85° | 35  | 35  | 35   | 35   | 35   | 42   |
| 90° | 0   | 0   | 0    | 0    | 0    |      |



TEST NUMBER: P709076

CATALOG NUMBER: 4APN-X-26L840-UNV

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 10°   | 20°   | 30°   | 40°   | 50°   | 60°   | 70°   | 80°   | 90°   | 100°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 |
| 2.5°  | 985.5 | 990.4 | 995.2 | 994.0 | 990.4 | 987.9 | 989.1 | 989.1 | 990.4 | 990.4 | 990.4 |
| 5°    | 981.9 | 986.7 | 990.4 | 989.1 | 985.5 | 984.3 | 984.3 | 984.3 | 986.7 | 989.1 | 986.7 |
| 7.5°  | 975.8 | 979.5 | 983.1 | 981.9 | 978.2 | 977.0 | 977.0 | 978.2 | 980.7 | 983.1 | 980.7 |
| 10°   | 964.9 | 969.8 | 973.4 | 971.0 | 967.3 | 964.9 | 964.9 | 964.9 | 967.3 | 969.8 | 967.3 |
| 12.5° | 951.6 | 955.2 | 958.9 | 957.7 | 954.0 | 951.6 | 951.6 | 951.6 | 954.0 | 956.5 | 954.0 |
| 15°   | 935.9 | 939.5 | 943.1 | 941.9 | 938.3 | 935.9 | 935.9 | 935.9 | 938.3 | 939.5 | 938.3 |
| 17.5° | 917.7 | 921.3 | 925.0 | 922.6 | 917.7 | 915.3 | 915.3 | 915.3 | 917.7 | 918.9 | 917.7 |
| 20°   | 897.1 | 900.8 | 903.2 | 900.8 | 895.9 | 893.5 | 892.3 | 892.3 | 894.7 | 895.9 | 894.7 |
| 22.5° | 874.1 | 876.5 | 879.0 | 876.5 | 871.7 | 869.3 | 868.1 | 866.9 | 868.1 | 869.3 | 868.1 |
| 25°   | 848.7 | 851.1 | 853.5 | 851.1 | 846.3 | 842.6 | 841.4 | 840.2 | 841.4 | 841.4 | 841.4 |
| 27.5° | 823.3 | 824.5 | 826.9 | 823.3 | 818.4 | 814.8 | 813.6 | 812.4 | 813.6 | 813.6 | 813.6 |
| 30°   | 794.2 | 795.4 | 797.9 | 794.2 | 788.2 | 784.5 | 783.3 | 782.1 | 782.1 | 782.1 | 782.1 |
| 32.5° | 764.0 | 766.4 | 768.8 | 764.0 | 757.9 | 754.3 | 753.1 | 751.8 | 753.1 | 753.1 | 753.1 |
| 35°   | 732.5 | 733.7 | 736.1 | 732.5 | 726.4 | 722.8 | 720.4 | 719.2 | 721.6 | 722.8 | 721.6 |
| 37.5° | 702.2 | 703.4 | 704.6 | 701.0 | 694.9 | 691.3 | 688.9 | 687.7 | 686.5 | 686.5 | 686.5 |
| 40°   | 668.3 | 669.5 | 671.9 | 668.3 | 662.3 | 658.6 | 656.2 | 655.0 | 655.0 | 655.0 | 655.0 |
| 42.5° | 635.6 | 636.8 | 638.0 | 634.4 | 628.4 | 624.7 | 622.3 | 621.1 | 622.3 | 622.3 | 622.3 |
| 45°   | 601.7 | 601.7 | 602.9 | 599.3 | 594.5 | 590.8 | 588.4 | 587.2 | 587.2 | 587.2 | 587.2 |
| 47.5° | 566.6 | 567.8 | 569.0 | 565.4 | 560.6 | 556.9 | 554.5 | 552.1 | 552.1 | 552.1 | 552.1 |
| 50°   | 531.5 | 531.5 | 532.7 | 529.1 | 524.2 | 520.6 | 519.4 | 518.2 | 517.0 | 517.0 | 517.0 |
| 52.5° | 495.2 | 496.4 | 497.6 | 494.0 | 490.3 | 486.7 | 484.3 | 483.1 | 483.1 | 483.1 | 483.1 |
| 55°   | 458.9 | 458.9 | 460.1 | 457.6 | 454.0 | 450.4 | 448.0 | 446.7 | 448.0 | 448.0 | 448.0 |
| 57.5° | 422.5 | 423.7 | 425.0 | 421.3 | 417.7 | 414.1 | 412.8 | 411.6 | 411.6 | 411.6 | 411.6 |
| 60°   | 386.2 | 386.2 | 387.4 | 385.0 | 381.4 | 377.7 | 376.5 | 375.3 | 375.3 | 375.3 | 375.3 |
| 62.5° | 349.9 | 349.9 | 351.1 | 348.7 | 345.0 | 341.4 | 340.2 | 339.0 | 339.0 | 339.0 | 339.0 |
| 65°   | 312.4 | 312.4 | 312.4 | 309.9 | 307.5 | 306.3 | 305.1 | 303.9 | 302.7 | 302.7 | 302.7 |
| 67.5° | 271.2 | 271.2 | 272.4 | 270.0 | 267.6 | 266.4 | 265.1 | 263.9 | 262.7 | 262.7 | 262.7 |
| 70°   | 233.7 | 233.7 | 234.9 | 233.7 | 231.2 | 230.0 | 228.8 | 227.6 | 226.4 | 226.4 | 226.4 |
| 72.5° | 197.3 | 197.3 | 197.3 | 196.1 | 194.9 | 193.7 | 192.5 | 191.3 | 190.1 | 190.1 | 190.1 |
| 75°   | 159.8 | 159.8 | 161.0 | 159.8 | 158.6 | 157.4 | 156.2 | 156.2 | 155.0 | 155.0 | 155.0 |
| 77.5° | 124.7 | 125.9 | 127.1 | 125.9 | 124.7 | 123.5 | 122.3 | 122.3 | 121.1 | 121.1 | 121.1 |
| 80°   | 92.0  | 93.2  | 94.4  | 93.2  | 92.0  | 90.8  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  |
| 82.5° | 61.7  | 63.0  | 64.2  | 63.0  | 61.7  | 61.7  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  |
| 85°   | 35.1  | 36.3  | 37.5  | 37.5  | 36.3  | 36.3  | 35.1  | 35.1  | 35.1  | 35.1  | 35.1  |
| 87.5° | 13.3  | 14.5  | 15.7  | 15.7  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  |
| 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: P709076  
 CATALOG NUMBER: 4APN-X-26L840-UNV

**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 120°  | 130°  | 140°  | 150°  | 160°  | 170°  | 180°  | 190°  | 200°  | 210°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 |
| 2.5°  | 989.1 | 989.1 | 987.9 | 990.4 | 994.0 | 995.2 | 990.4 | 985.5 | 990.4 | 995.2 | 994.0 |
| 5°    | 984.3 | 984.3 | 984.3 | 985.5 | 989.1 | 990.4 | 986.7 | 981.9 | 986.7 | 990.4 | 989.1 |
| 7.5°  | 978.2 | 977.0 | 977.0 | 978.2 | 981.9 | 983.1 | 979.5 | 975.8 | 979.5 | 983.1 | 981.9 |
| 10°   | 964.9 | 964.9 | 964.9 | 967.3 | 971.0 | 973.4 | 969.8 | 964.9 | 969.8 | 973.4 | 971.0 |
| 12.5° | 951.6 | 951.6 | 951.6 | 954.0 | 957.7 | 958.9 | 955.2 | 951.6 | 955.2 | 958.9 | 957.7 |
| 15°   | 935.9 | 935.9 | 935.9 | 938.3 | 941.9 | 943.1 | 939.5 | 935.9 | 939.5 | 943.1 | 941.9 |
| 17.5° | 915.3 | 915.3 | 915.3 | 917.7 | 922.6 | 925.0 | 921.3 | 917.7 | 921.3 | 925.0 | 922.6 |
| 20°   | 892.3 | 892.3 | 893.5 | 895.9 | 900.8 | 903.2 | 900.8 | 897.1 | 900.8 | 903.2 | 900.8 |
| 22.5° | 866.9 | 868.1 | 869.3 | 871.7 | 876.5 | 879.0 | 876.5 | 874.1 | 876.5 | 879.0 | 876.5 |
| 25°   | 840.2 | 841.4 | 842.6 | 846.3 | 851.1 | 853.5 | 851.1 | 848.7 | 851.1 | 853.5 | 851.1 |
| 27.5° | 812.4 | 813.6 | 814.8 | 818.4 | 823.3 | 826.9 | 824.5 | 823.3 | 824.5 | 826.9 | 823.3 |
| 30°   | 782.1 | 783.3 | 784.5 | 788.2 | 794.2 | 797.9 | 795.4 | 794.2 | 795.4 | 797.9 | 794.2 |
| 32.5° | 751.8 | 753.1 | 754.3 | 757.9 | 764.0 | 768.8 | 766.4 | 764.0 | 766.4 | 768.8 | 764.0 |
| 35°   | 719.2 | 720.4 | 722.8 | 726.4 | 732.5 | 736.1 | 733.7 | 732.5 | 733.7 | 736.1 | 732.5 |
| 37.5° | 687.7 | 688.9 | 691.3 | 694.9 | 701.0 | 704.6 | 703.4 | 702.2 | 703.4 | 704.6 | 701.0 |
| 40°   | 655.0 | 656.2 | 658.6 | 662.3 | 668.3 | 671.9 | 669.5 | 668.3 | 669.5 | 671.9 | 668.3 |
| 42.5° | 621.1 | 622.3 | 624.7 | 628.4 | 634.4 | 638.0 | 636.8 | 635.6 | 636.8 | 638.0 | 634.4 |
| 45°   | 587.2 | 588.4 | 590.8 | 594.5 | 599.3 | 602.9 | 601.7 | 601.7 | 601.7 | 602.9 | 599.3 |
| 47.5° | 552.1 | 554.5 | 556.9 | 560.6 | 565.4 | 569.0 | 567.8 | 566.6 | 567.8 | 569.0 | 565.4 |
| 50°   | 518.2 | 519.4 | 520.6 | 524.2 | 529.1 | 532.7 | 531.5 | 531.5 | 531.5 | 532.7 | 529.1 |
| 52.5° | 483.1 | 484.3 | 486.7 | 490.3 | 494.0 | 497.6 | 496.4 | 495.2 | 496.4 | 497.6 | 494.0 |
| 55°   | 446.7 | 448.0 | 450.4 | 454.0 | 457.6 | 460.1 | 458.9 | 458.9 | 458.9 | 460.1 | 457.6 |
| 57.5° | 411.6 | 412.8 | 414.1 | 417.7 | 421.3 | 425.0 | 423.7 | 422.5 | 423.7 | 425.0 | 421.3 |
| 60°   | 375.3 | 376.5 | 377.7 | 381.4 | 385.0 | 387.4 | 386.2 | 386.2 | 386.2 | 387.4 | 385.0 |
| 62.5° | 339.0 | 340.2 | 341.4 | 345.0 | 348.7 | 351.1 | 349.9 | 349.9 | 349.9 | 351.1 | 348.7 |
| 65°   | 303.9 | 305.1 | 306.3 | 307.5 | 309.9 | 312.4 | 312.4 | 312.4 | 312.4 | 312.4 | 309.9 |
| 67.5° | 263.9 | 265.1 | 266.4 | 267.6 | 270.0 | 272.4 | 271.2 | 271.2 | 271.2 | 272.4 | 270.0 |
| 70°   | 227.6 | 228.8 | 230.0 | 231.2 | 233.7 | 234.9 | 233.7 | 233.7 | 233.7 | 234.9 | 233.7 |
| 72.5° | 191.3 | 192.5 | 193.7 | 194.9 | 196.1 | 197.3 | 197.3 | 197.3 | 197.3 | 197.3 | 196.1 |
| 75°   | 156.2 | 156.2 | 157.4 | 158.6 | 159.8 | 161.0 | 159.8 | 159.8 | 159.8 | 161.0 | 159.8 |
| 77.5° | 122.3 | 122.3 | 123.5 | 124.7 | 125.9 | 127.1 | 125.9 | 124.7 | 125.9 | 127.1 | 125.9 |
| 80°   | 89.6  | 89.6  | 90.8  | 92.0  | 93.2  | 94.4  | 93.2  | 92.0  | 93.2  | 94.4  | 93.2  |
| 82.5° | 60.5  | 60.5  | 61.7  | 61.7  | 63.0  | 64.2  | 63.0  | 61.7  | 63.0  | 64.2  | 63.0  |
| 85°   | 35.1  | 35.1  | 36.3  | 36.3  | 37.5  | 37.5  | 36.3  | 35.1  | 36.3  | 37.5  | 37.5  |
| 87.5° | 14.5  | 14.5  | 14.5  | 14.5  | 15.7  | 15.7  | 14.5  | 13.3  | 14.5  | 15.7  | 15.7  |
| 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: P709076

CATALOG NUMBER: 4APN-X-26L840-UNV

**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 230°  | 240°  | 250°  | 260°  | 270°  | 280°  | 290°  | 300°  | 310°  | 320°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 | 991.6 |
| 2.5°  | 990.4 | 987.9 | 989.1 | 989.1 | 990.4 | 990.4 | 990.4 | 989.1 | 989.1 | 987.9 | 990.4 |
| 5°    | 985.5 | 984.3 | 984.3 | 984.3 | 986.7 | 989.1 | 986.7 | 984.3 | 984.3 | 984.3 | 985.5 |
| 7.5°  | 978.2 | 977.0 | 977.0 | 978.2 | 980.7 | 983.1 | 980.7 | 978.2 | 977.0 | 977.0 | 978.2 |
| 10°   | 967.3 | 964.9 | 964.9 | 964.9 | 967.3 | 969.8 | 967.3 | 964.9 | 964.9 | 964.9 | 967.3 |
| 12.5° | 954.0 | 951.6 | 951.6 | 951.6 | 954.0 | 956.5 | 954.0 | 951.6 | 951.6 | 951.6 | 954.0 |
| 15°   | 938.3 | 935.9 | 935.9 | 935.9 | 938.3 | 939.5 | 938.3 | 935.9 | 935.9 | 935.9 | 938.3 |
| 17.5° | 917.7 | 915.3 | 915.3 | 915.3 | 917.7 | 918.9 | 917.7 | 915.3 | 915.3 | 915.3 | 917.7 |
| 20°   | 895.9 | 893.5 | 892.3 | 892.3 | 894.7 | 895.9 | 894.7 | 892.3 | 892.3 | 893.5 | 895.9 |
| 22.5° | 871.7 | 869.3 | 868.1 | 866.9 | 868.1 | 869.3 | 868.1 | 866.9 | 868.1 | 869.3 | 871.7 |
| 25°   | 846.3 | 842.6 | 841.4 | 840.2 | 841.4 | 841.4 | 841.4 | 840.2 | 841.4 | 842.6 | 846.3 |
| 27.5° | 818.4 | 814.8 | 813.6 | 812.4 | 813.6 | 813.6 | 813.6 | 812.4 | 813.6 | 814.8 | 818.4 |
| 30°   | 788.2 | 784.5 | 783.3 | 782.1 | 782.1 | 782.1 | 782.1 | 782.1 | 783.3 | 784.5 | 788.2 |
| 32.5° | 757.9 | 754.3 | 753.1 | 751.8 | 753.1 | 753.1 | 753.1 | 751.8 | 753.1 | 754.3 | 757.9 |
| 35°   | 726.4 | 722.8 | 720.4 | 719.2 | 721.6 | 722.8 | 721.6 | 719.2 | 720.4 | 722.8 | 726.4 |
| 37.5° | 694.9 | 691.3 | 688.9 | 687.7 | 686.5 | 686.5 | 686.5 | 687.7 | 688.9 | 691.3 | 694.9 |
| 40°   | 662.3 | 658.6 | 656.2 | 655.0 | 655.0 | 655.0 | 655.0 | 655.0 | 656.2 | 658.6 | 662.3 |
| 42.5° | 628.4 | 624.7 | 622.3 | 621.1 | 622.3 | 622.3 | 622.3 | 621.1 | 622.3 | 624.7 | 628.4 |
| 45°   | 594.5 | 590.8 | 588.4 | 587.2 | 587.2 | 587.2 | 587.2 | 587.2 | 588.4 | 590.8 | 594.5 |
| 47.5° | 560.6 | 556.9 | 554.5 | 552.1 | 552.1 | 552.1 | 552.1 | 552.1 | 554.5 | 556.9 | 560.6 |
| 50°   | 524.2 | 520.6 | 519.4 | 518.2 | 517.0 | 517.0 | 517.0 | 518.2 | 519.4 | 520.6 | 524.2 |
| 52.5° | 490.3 | 486.7 | 484.3 | 483.1 | 483.1 | 483.1 | 483.1 | 483.1 | 484.3 | 486.7 | 490.3 |
| 55°   | 454.0 | 450.4 | 448.0 | 446.7 | 448.0 | 448.0 | 448.0 | 446.7 | 448.0 | 450.4 | 454.0 |
| 57.5° | 417.7 | 414.1 | 412.8 | 411.6 | 411.6 | 411.6 | 411.6 | 411.6 | 412.8 | 414.1 | 417.7 |
| 60°   | 381.4 | 377.7 | 376.5 | 375.3 | 375.3 | 375.3 | 375.3 | 375.3 | 376.5 | 377.7 | 381.4 |
| 62.5° | 345.0 | 341.4 | 340.2 | 339.0 | 339.0 | 339.0 | 339.0 | 339.0 | 340.2 | 341.4 | 345.0 |
| 65°   | 307.5 | 306.3 | 305.1 | 303.9 | 302.7 | 302.7 | 302.7 | 303.9 | 305.1 | 306.3 | 307.5 |
| 67.5° | 267.6 | 266.4 | 265.1 | 263.9 | 262.7 | 262.7 | 262.7 | 263.9 | 265.1 | 266.4 | 267.6 |
| 70°   | 231.2 | 230.0 | 228.8 | 227.6 | 226.4 | 226.4 | 226.4 | 227.6 | 228.8 | 230.0 | 231.2 |
| 72.5° | 194.9 | 193.7 | 192.5 | 191.3 | 190.1 | 190.1 | 190.1 | 191.3 | 192.5 | 193.7 | 194.9 |
| 75°   | 158.6 | 157.4 | 156.2 | 156.2 | 155.0 | 155.0 | 155.0 | 156.2 | 156.2 | 157.4 | 158.6 |
| 77.5° | 124.7 | 123.5 | 122.3 | 122.3 | 121.1 | 121.1 | 121.1 | 122.3 | 122.3 | 123.5 | 124.7 |
| 80°   | 92.0  | 90.8  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 90.8  | 92.0  |
| 82.5° | 61.7  | 61.7  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  | 60.5  | 61.7  | 61.7  |
| 85°   | 36.3  | 36.3  | 35.1  | 35.1  | 35.1  | 35.1  | 35.1  | 35.1  | 35.1  | 36.3  | 36.3  |
| 87.5° | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  | 14.5  |
| 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: P709076  
 CATALOG NUMBER: 4APN-X-26L840-UNV

**CANDELA DISTRIBUTION (continued):**

|       | 330°  | 340°  | 350°  | 360°  |
|-------|-------|-------|-------|-------|
| 0°    | 991.6 | 991.6 | 991.6 | 991.6 |
| 2.5°  | 994.0 | 995.2 | 990.4 | 985.5 |
| 5°    | 989.1 | 990.4 | 986.7 | 981.9 |
| 7.5°  | 981.9 | 983.1 | 979.5 | 975.8 |
| 10°   | 971.0 | 973.4 | 969.8 | 964.9 |
| 12.5° | 957.7 | 958.9 | 955.2 | 951.6 |
| 15°   | 941.9 | 943.1 | 939.5 | 935.9 |
| 17.5° | 922.6 | 925.0 | 921.3 | 917.7 |
| 20°   | 900.8 | 903.2 | 900.8 | 897.1 |
| 22.5° | 876.5 | 879.0 | 876.5 | 874.1 |
| 25°   | 851.1 | 853.5 | 851.1 | 848.7 |
| 27.5° | 823.3 | 826.9 | 824.5 | 823.3 |
| 30°   | 794.2 | 797.9 | 795.4 | 794.2 |
| 32.5° | 764.0 | 768.8 | 766.4 | 764.0 |
| 35°   | 732.5 | 736.1 | 733.7 | 732.5 |
| 37.5° | 701.0 | 704.6 | 703.4 | 702.2 |
| 40°   | 668.3 | 671.9 | 669.5 | 668.3 |
| 42.5° | 634.4 | 638.0 | 636.8 | 635.6 |
| 45°   | 599.3 | 602.9 | 601.7 | 601.7 |
| 47.5° | 565.4 | 569.0 | 567.8 | 566.6 |
| 50°   | 529.1 | 532.7 | 531.5 | 531.5 |
| 52.5° | 494.0 | 497.6 | 496.4 | 495.2 |
| 55°   | 457.6 | 460.1 | 458.9 | 458.9 |
| 57.5° | 421.3 | 425.0 | 423.7 | 422.5 |
| 60°   | 385.0 | 387.4 | 386.2 | 386.2 |
| 62.5° | 348.7 | 351.1 | 349.9 | 349.9 |
| 65°   | 309.9 | 312.4 | 312.4 | 312.4 |
| 67.5° | 270.0 | 272.4 | 271.2 | 271.2 |
| 70°   | 233.7 | 234.9 | 233.7 | 233.7 |
| 72.5° | 196.1 | 197.3 | 197.3 | 197.3 |
| 75°   | 159.8 | 161.0 | 159.8 | 159.8 |
| 77.5° | 125.9 | 127.1 | 125.9 | 124.7 |
| 80°   | 93.2  | 94.4  | 93.2  | 92.0  |
| 82.5° | 63.0  | 64.2  | 63.0  | 61.7  |
| 85°   | 37.5  | 37.5  | 36.3  | 35.1  |
| 87.5° | 15.7  | 15.7  | 14.5  | 13.3  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)