

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: P

Luminaire Tested: **4APN-X-26L830-UNV-NP**

Issue Date: 06/06/2024



Test Information

Test Method: LM-79-08
Report Number: P
Test Lab: INNOVATION CENTER(G2)
Issue Date: 06/06/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 4APN-X-26L830-UNV-NP
Description: ArcMed Patient Recessed 4 FT x6 IN Fixture EXAM Light w/ Nature Pattern Lens
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

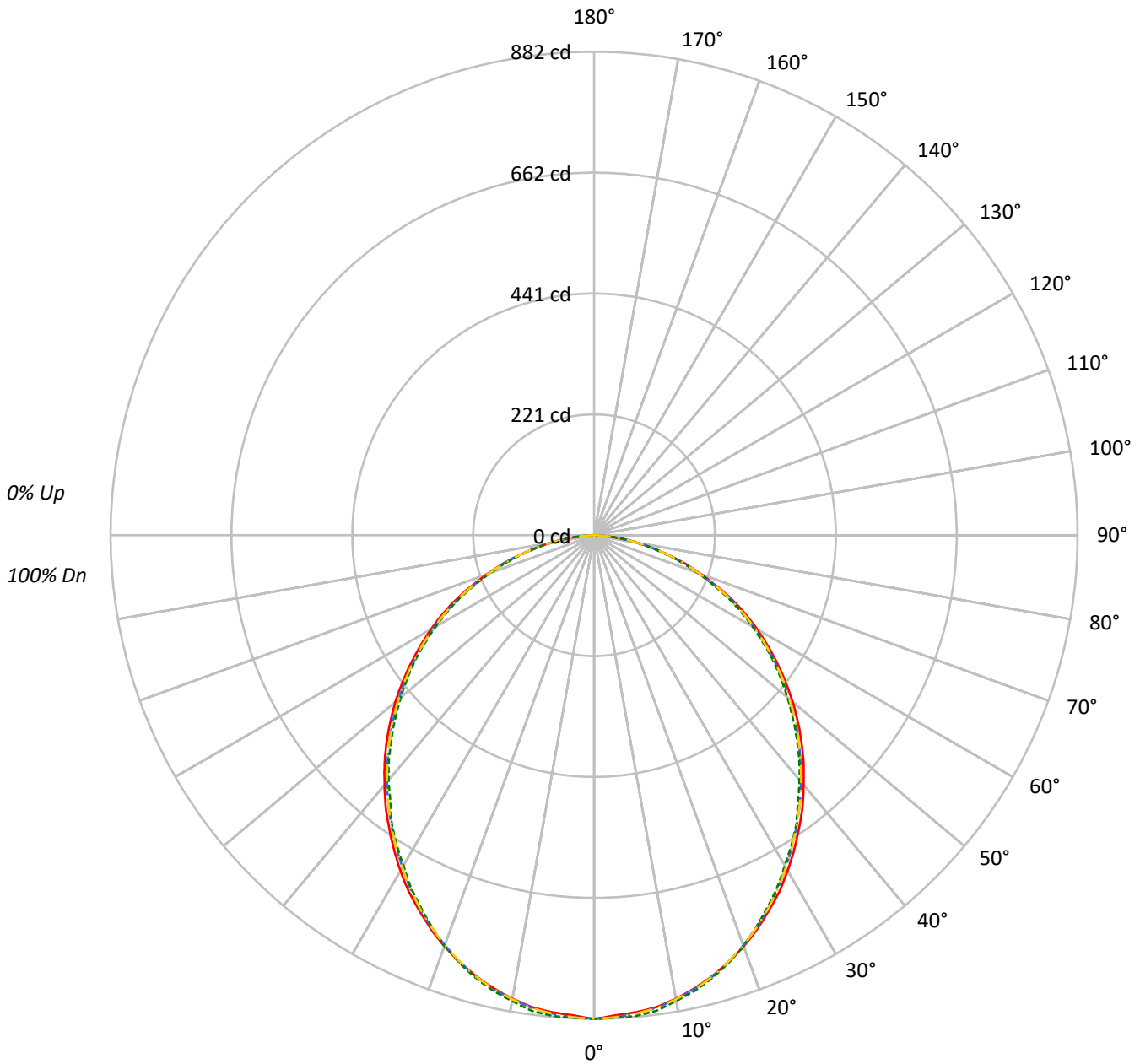
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2295.3 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 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 (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: P
CATALOG NUMBER: 4APN-X-26L830-UNV-NP

Luminous Intensity Polar Plot



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



TEST NUMBER: P
 CATALOG NUMBER: 4APN-X-26L830-UNV-NP

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° | 8140 | 8140 | 8140 | 8140 |
| 5° | 8091 | 8150 | 8091 | 8150 |
| 10° | 8044 | 8083 | 8044 | 8083 |
| 15° | 7954 | 7984 | 7954 | 7984 |
| 20° | 7837 | 7827 | 7837 | 7827 |
| 25° | 7687 | 7622 | 7687 | 7622 |
| 30° | 7528 | 7413 | 7528 | 7413 |
| 35° | 7340 | 7243 | 7340 | 7243 |
| 40° | 7161 | 7019 | 7161 | 7019 |
| 45° | 6986 | 6816 | 6986 | 6816 |
| 50° | 6788 | 6603 | 6788 | 6603 |
| 55° | 6568 | 6412 | 6568 | 6412 |
| 60° | 6340 | 6161 | 6340 | 6161 |
| 65° | 6067 | 5879 | 6067 | 5879 |
| 70° | 5608 | 5436 | 5608 | 5436 |
| 75° | 5069 | 4912 | 5069 | 4912 |
| 80° | 4351 | 4240 | 4351 | 4240 |
| 85° | 3313 | 3313 | 3313 | 3313 |



TEST NUMBER: P
 CATALOG NUMBER: 4APN-X-26L830-UNV-NP

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 83.3 | 3.6 |
| 10°-20° | 235.1 | 10.2 |
| 20°-30° | 346.6 | 15.1 |
| 30°-40° | 404.6 | 17.6 |
| 40°-50° | 407.9 | 17.8 |
| 50°-60° | 360.5 | 15.7 |
| 60°-70° | 269.6 | 11.7 |
| 70°-80° | 149.4 | 6.5 |
| 80°-90° | 38.3 | 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° | 665.0 | 29.0 |
| 0°-40° | 1069.6 | 46.6 |
| 0°-60° | 1838.0 | 80.1 |
| 0°-90° | 2295.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2295.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 882 | 882 | 882 | 882 | 882 | |
| 5° | 874 | 880 | 874 | 880 | 874 | 83 |
| 15° | 833 | 836 | 833 | 836 | 833 | 235 |
| 25° | 755 | 749 | 755 | 749 | 755 | 348 |
| 35° | 652 | 643 | 652 | 643 | 652 | 408 |
| 45° | 535 | 522 | 535 | 522 | 535 | 413 |
| 55° | 408 | 399 | 408 | 399 | 408 | 365 |
| 65° | 278 | 269 | 278 | 269 | 278 | 274 |
| 75° | 142 | 138 | 142 | 138 | 142 | 151 |
| 85° | 31 | 31 | 31 | 31 | 31 | 38 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P

CATALOG NUMBER: 4APN-X-26L830-UNV-NP

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 |
| 2.5° | 876.8 | 881.2 | 885.5 | 884.4 | 881.2 | 879.0 | 880.0 | 880.0 | 881.2 | 881.2 | 881.2 |
| 5° | 873.6 | 877.9 | 881.2 | 880.0 | 876.8 | 875.7 | 875.7 | 875.7 | 877.9 | 880.0 | 877.9 |
| 7.5° | 868.2 | 871.5 | 874.7 | 873.6 | 870.4 | 869.3 | 869.3 | 870.4 | 872.5 | 874.7 | 872.5 |
| 10° | 858.6 | 862.8 | 866.0 | 863.9 | 860.7 | 858.6 | 858.6 | 858.6 | 860.7 | 862.8 | 860.7 |
| 12.5° | 846.7 | 849.9 | 853.1 | 852.0 | 848.8 | 846.7 | 846.7 | 846.7 | 848.8 | 851.0 | 848.8 |
| 15° | 832.7 | 835.9 | 839.1 | 838.1 | 834.9 | 832.7 | 832.7 | 832.7 | 834.9 | 835.9 | 834.9 |
| 17.5° | 816.5 | 819.8 | 823.0 | 820.9 | 816.5 | 814.4 | 814.4 | 814.4 | 816.5 | 817.6 | 816.5 |
| 20° | 798.2 | 801.4 | 803.6 | 801.4 | 797.2 | 794.9 | 793.9 | 793.9 | 796.1 | 797.2 | 796.1 |
| 22.5° | 777.7 | 779.9 | 782.0 | 779.9 | 775.6 | 773.5 | 772.4 | 771.3 | 772.4 | 773.5 | 772.4 |
| 25° | 755.1 | 757.2 | 759.5 | 757.2 | 753.0 | 749.8 | 748.7 | 747.6 | 748.7 | 748.7 | 748.7 |
| 27.5° | 732.5 | 733.5 | 735.8 | 732.5 | 728.2 | 725.0 | 723.9 | 722.8 | 723.9 | 723.9 | 723.9 |
| 30° | 706.6 | 707.7 | 709.8 | 706.6 | 701.3 | 698.0 | 696.9 | 695.8 | 695.8 | 695.8 | 695.8 |
| 32.5° | 679.7 | 681.8 | 684.0 | 679.7 | 674.4 | 671.1 | 670.0 | 668.9 | 670.0 | 670.0 | 670.0 |
| 35° | 651.7 | 652.8 | 654.9 | 651.7 | 646.3 | 643.1 | 641.0 | 639.9 | 642.0 | 643.1 | 642.0 |
| 37.5° | 624.7 | 625.9 | 627.0 | 623.7 | 618.3 | 615.1 | 612.9 | 611.8 | 610.7 | 610.7 | 610.7 |
| 40° | 594.6 | 595.7 | 597.8 | 594.6 | 589.3 | 586.0 | 583.8 | 582.8 | 582.8 | 582.8 | 582.8 |
| 42.5° | 565.6 | 566.6 | 567.7 | 564.4 | 559.1 | 555.9 | 553.7 | 552.6 | 553.7 | 553.7 | 553.7 |
| 45° | 535.4 | 535.4 | 536.4 | 533.2 | 528.9 | 525.6 | 523.5 | 522.4 | 522.4 | 522.4 | 522.4 |
| 47.5° | 504.1 | 505.2 | 506.3 | 503.0 | 498.7 | 495.5 | 493.4 | 491.2 | 491.2 | 491.2 | 491.2 |
| 50° | 472.9 | 472.9 | 474.0 | 470.8 | 466.4 | 463.2 | 462.1 | 461.0 | 460.0 | 460.0 | 460.0 |
| 52.5° | 440.5 | 441.6 | 442.7 | 439.5 | 436.3 | 433.1 | 430.9 | 429.8 | 429.8 | 429.8 | 429.8 |
| 55° | 408.3 | 408.3 | 409.4 | 407.2 | 403.9 | 400.7 | 398.6 | 397.5 | 398.6 | 398.6 | 398.6 |
| 57.5° | 375.9 | 377.0 | 378.1 | 374.9 | 371.7 | 368.4 | 367.3 | 366.2 | 366.2 | 366.2 | 366.2 |
| 60° | 343.6 | 343.6 | 344.7 | 342.5 | 339.3 | 336.1 | 335.0 | 333.9 | 333.9 | 333.9 | 333.9 |
| 62.5° | 311.3 | 311.3 | 312.4 | 310.3 | 307.0 | 303.8 | 302.7 | 301.6 | 301.6 | 301.6 | 301.6 |
| 65° | 277.9 | 277.9 | 277.9 | 275.8 | 273.6 | 272.5 | 271.4 | 270.3 | 269.3 | 269.3 | 269.3 |
| 67.5° | 241.3 | 241.3 | 242.4 | 240.2 | 238.1 | 237.0 | 235.9 | 234.8 | 233.7 | 233.7 | 233.7 |
| 70° | 207.9 | 207.9 | 209.0 | 207.9 | 205.8 | 204.7 | 203.6 | 202.5 | 201.5 | 201.5 | 201.5 |
| 72.5° | 175.5 | 175.5 | 175.5 | 174.5 | 173.4 | 172.3 | 171.3 | 170.2 | 169.1 | 169.1 | 169.1 |
| 75° | 142.2 | 142.2 | 143.3 | 142.2 | 141.2 | 140.1 | 138.9 | 138.9 | 137.8 | 137.8 | 137.8 |
| 77.5° | 110.9 | 112.0 | 113.1 | 112.0 | 110.9 | 109.9 | 108.8 | 108.8 | 107.7 | 107.7 | 107.7 |
| 80° | 81.9 | 83.0 | 84.0 | 83.0 | 81.9 | 80.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 82.5° | 55.0 | 56.1 | 57.1 | 56.1 | 55.0 | 55.0 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 85° | 31.3 | 32.3 | 33.4 | 33.4 | 32.3 | 32.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| 87.5° | 11.9 | 12.9 | 14.0 | 14.0 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 |
| 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: P
 CATALOG NUMBER: 4APN-X-26L830-UNV-NP

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 |
| 2.5° | 880.0 | 880.0 | 879.0 | 881.2 | 884.4 | 885.5 | 881.2 | 876.8 | 881.2 | 885.5 | 884.4 |
| 5° | 875.7 | 875.7 | 875.7 | 876.8 | 880.0 | 881.2 | 877.9 | 873.6 | 877.9 | 881.2 | 880.0 |
| 7.5° | 870.4 | 869.3 | 869.3 | 870.4 | 873.6 | 874.7 | 871.5 | 868.2 | 871.5 | 874.7 | 873.6 |
| 10° | 858.6 | 858.6 | 858.6 | 860.7 | 863.9 | 866.0 | 862.8 | 858.6 | 862.8 | 866.0 | 863.9 |
| 12.5° | 846.7 | 846.7 | 846.7 | 848.8 | 852.0 | 853.1 | 849.9 | 846.7 | 849.9 | 853.1 | 852.0 |
| 15° | 832.7 | 832.7 | 832.7 | 834.9 | 838.1 | 839.1 | 835.9 | 832.7 | 835.9 | 839.1 | 838.1 |
| 17.5° | 814.4 | 814.4 | 814.4 | 816.5 | 820.9 | 823.0 | 819.8 | 816.5 | 819.8 | 823.0 | 820.9 |
| 20° | 793.9 | 793.9 | 794.9 | 797.2 | 801.4 | 803.6 | 801.4 | 798.2 | 801.4 | 803.6 | 801.4 |
| 22.5° | 771.3 | 772.4 | 773.5 | 775.6 | 779.9 | 782.0 | 779.9 | 777.7 | 779.9 | 782.0 | 779.9 |
| 25° | 747.6 | 748.7 | 749.8 | 753.0 | 757.2 | 759.5 | 757.2 | 755.1 | 757.2 | 759.5 | 757.2 |
| 27.5° | 722.8 | 723.9 | 725.0 | 728.2 | 732.5 | 735.8 | 733.5 | 732.5 | 733.5 | 735.8 | 732.5 |
| 30° | 695.8 | 696.9 | 698.0 | 701.3 | 706.6 | 709.8 | 707.7 | 706.6 | 707.7 | 709.8 | 706.6 |
| 32.5° | 668.9 | 670.0 | 671.1 | 674.4 | 679.7 | 684.0 | 681.8 | 679.7 | 681.8 | 684.0 | 679.7 |
| 35° | 639.9 | 641.0 | 643.1 | 646.3 | 651.7 | 654.9 | 652.8 | 651.7 | 652.8 | 654.9 | 651.7 |
| 37.5° | 611.8 | 612.9 | 615.1 | 618.3 | 623.7 | 627.0 | 625.9 | 624.7 | 625.9 | 627.0 | 623.7 |
| 40° | 582.8 | 583.8 | 586.0 | 589.3 | 594.6 | 597.8 | 595.7 | 594.6 | 595.7 | 597.8 | 594.6 |
| 42.5° | 552.6 | 553.7 | 555.9 | 559.1 | 564.4 | 567.7 | 566.6 | 565.6 | 566.6 | 567.7 | 564.4 |
| 45° | 522.4 | 523.5 | 525.6 | 528.9 | 533.2 | 536.4 | 535.4 | 535.4 | 535.4 | 536.4 | 533.2 |
| 47.5° | 491.2 | 493.4 | 495.5 | 498.7 | 503.0 | 506.3 | 505.2 | 504.1 | 505.2 | 506.3 | 503.0 |
| 50° | 461.0 | 462.1 | 463.2 | 466.4 | 470.8 | 474.0 | 472.9 | 472.9 | 472.9 | 474.0 | 470.8 |
| 52.5° | 429.8 | 430.9 | 433.1 | 436.3 | 439.5 | 442.7 | 441.6 | 440.5 | 441.6 | 442.7 | 439.5 |
| 55° | 397.5 | 398.6 | 400.7 | 403.9 | 407.2 | 409.4 | 408.3 | 408.3 | 408.3 | 409.4 | 407.2 |
| 57.5° | 366.2 | 367.3 | 368.4 | 371.7 | 374.9 | 378.1 | 377.0 | 375.9 | 377.0 | 378.1 | 374.9 |
| 60° | 333.9 | 335.0 | 336.1 | 339.3 | 342.5 | 344.7 | 343.6 | 343.6 | 343.6 | 344.7 | 342.5 |
| 62.5° | 301.6 | 302.7 | 303.8 | 307.0 | 310.3 | 312.4 | 311.3 | 311.3 | 311.3 | 312.4 | 310.3 |
| 65° | 270.3 | 271.4 | 272.5 | 273.6 | 275.8 | 277.9 | 277.9 | 277.9 | 277.9 | 277.9 | 275.8 |
| 67.5° | 234.8 | 235.9 | 237.0 | 238.1 | 240.2 | 242.4 | 241.3 | 241.3 | 241.3 | 242.4 | 240.2 |
| 70° | 202.5 | 203.6 | 204.7 | 205.8 | 207.9 | 209.0 | 207.9 | 207.9 | 207.9 | 209.0 | 207.9 |
| 72.5° | 170.2 | 171.3 | 172.3 | 173.4 | 174.5 | 175.5 | 175.5 | 175.5 | 175.5 | 175.5 | 174.5 |
| 75° | 138.9 | 138.9 | 140.1 | 141.2 | 142.2 | 143.3 | 142.2 | 142.2 | 142.2 | 143.3 | 142.2 |
| 77.5° | 108.8 | 108.8 | 109.9 | 110.9 | 112.0 | 113.1 | 112.0 | 110.9 | 112.0 | 113.1 | 112.0 |
| 80° | 79.8 | 79.8 | 80.8 | 81.9 | 83.0 | 84.0 | 83.0 | 81.9 | 83.0 | 84.0 | 83.0 |
| 82.5° | 53.8 | 53.8 | 55.0 | 55.0 | 56.1 | 57.1 | 56.1 | 55.0 | 56.1 | 57.1 | 56.1 |
| 85° | 31.3 | 31.3 | 32.3 | 32.3 | 33.4 | 33.4 | 32.3 | 31.3 | 32.3 | 33.4 | 33.4 |
| 87.5° | 12.9 | 12.9 | 12.9 | 12.9 | 14.0 | 14.0 | 12.9 | 11.9 | 12.9 | 14.0 | 14.0 |
| 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: P
 CATALOG NUMBER: 4APN-X-26L830-UNV-NP

CANDELA DISTRIBUTION (continued):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 | 882.3 |
| 2.5° | 881.2 | 879.0 | 880.0 | 880.0 | 881.2 | 881.2 | 881.2 | 880.0 | 880.0 | 879.0 | 881.2 |
| 5° | 876.8 | 875.7 | 875.7 | 875.7 | 877.9 | 880.0 | 877.9 | 875.7 | 875.7 | 875.7 | 876.8 |
| 7.5° | 870.4 | 869.3 | 869.3 | 870.4 | 872.5 | 874.7 | 872.5 | 870.4 | 869.3 | 869.3 | 870.4 |
| 10° | 860.7 | 858.6 | 858.6 | 858.6 | 860.7 | 862.8 | 860.7 | 858.6 | 858.6 | 858.6 | 860.7 |
| 12.5° | 848.8 | 846.7 | 846.7 | 846.7 | 848.8 | 851.0 | 848.8 | 846.7 | 846.7 | 846.7 | 848.8 |
| 15° | 834.9 | 832.7 | 832.7 | 832.7 | 834.9 | 835.9 | 834.9 | 832.7 | 832.7 | 832.7 | 834.9 |
| 17.5° | 816.5 | 814.4 | 814.4 | 814.4 | 816.5 | 817.6 | 816.5 | 814.4 | 814.4 | 814.4 | 816.5 |
| 20° | 797.2 | 794.9 | 793.9 | 793.9 | 796.1 | 797.2 | 796.1 | 793.9 | 793.9 | 794.9 | 797.2 |
| 22.5° | 775.6 | 773.5 | 772.4 | 771.3 | 772.4 | 773.5 | 772.4 | 771.3 | 772.4 | 773.5 | 775.6 |
| 25° | 753.0 | 749.8 | 748.7 | 747.6 | 748.7 | 748.7 | 748.7 | 747.6 | 748.7 | 749.8 | 753.0 |
| 27.5° | 728.2 | 725.0 | 723.9 | 722.8 | 723.9 | 723.9 | 723.9 | 722.8 | 723.9 | 725.0 | 728.2 |
| 30° | 701.3 | 698.0 | 696.9 | 695.8 | 695.8 | 695.8 | 695.8 | 695.8 | 696.9 | 698.0 | 701.3 |
| 32.5° | 674.4 | 671.1 | 670.0 | 668.9 | 670.0 | 670.0 | 670.0 | 668.9 | 670.0 | 671.1 | 674.4 |
| 35° | 646.3 | 643.1 | 641.0 | 639.9 | 642.0 | 643.1 | 642.0 | 639.9 | 641.0 | 643.1 | 646.3 |
| 37.5° | 618.3 | 615.1 | 612.9 | 611.8 | 610.7 | 610.7 | 610.7 | 611.8 | 612.9 | 615.1 | 618.3 |
| 40° | 589.3 | 586.0 | 583.8 | 582.8 | 582.8 | 582.8 | 582.8 | 582.8 | 583.8 | 586.0 | 589.3 |
| 42.5° | 559.1 | 555.9 | 553.7 | 552.6 | 553.7 | 553.7 | 553.7 | 552.6 | 553.7 | 555.9 | 559.1 |
| 45° | 528.9 | 525.6 | 523.5 | 522.4 | 522.4 | 522.4 | 522.4 | 522.4 | 523.5 | 525.6 | 528.9 |
| 47.5° | 498.7 | 495.5 | 493.4 | 491.2 | 491.2 | 491.2 | 491.2 | 491.2 | 493.4 | 495.5 | 498.7 |
| 50° | 466.4 | 463.2 | 462.1 | 461.0 | 460.0 | 460.0 | 460.0 | 461.0 | 462.1 | 463.2 | 466.4 |
| 52.5° | 436.3 | 433.1 | 430.9 | 429.8 | 429.8 | 429.8 | 429.8 | 429.8 | 430.9 | 433.1 | 436.3 |
| 55° | 403.9 | 400.7 | 398.6 | 397.5 | 398.6 | 398.6 | 398.6 | 397.5 | 398.6 | 400.7 | 403.9 |
| 57.5° | 371.7 | 368.4 | 367.3 | 366.2 | 366.2 | 366.2 | 366.2 | 366.2 | 367.3 | 368.4 | 371.7 |
| 60° | 339.3 | 336.1 | 335.0 | 333.9 | 333.9 | 333.9 | 333.9 | 333.9 | 335.0 | 336.1 | 339.3 |
| 62.5° | 307.0 | 303.8 | 302.7 | 301.6 | 301.6 | 301.6 | 301.6 | 301.6 | 302.7 | 303.8 | 307.0 |
| 65° | 273.6 | 272.5 | 271.4 | 270.3 | 269.3 | 269.3 | 269.3 | 270.3 | 271.4 | 272.5 | 273.6 |
| 67.5° | 238.1 | 237.0 | 235.9 | 234.8 | 233.7 | 233.7 | 233.7 | 234.8 | 235.9 | 237.0 | 238.1 |
| 70° | 205.8 | 204.7 | 203.6 | 202.5 | 201.5 | 201.5 | 201.5 | 202.5 | 203.6 | 204.7 | 205.8 |
| 72.5° | 173.4 | 172.3 | 171.3 | 170.2 | 169.1 | 169.1 | 169.1 | 170.2 | 171.3 | 172.3 | 173.4 |
| 75° | 141.2 | 140.1 | 138.9 | 138.9 | 137.8 | 137.8 | 137.8 | 138.9 | 138.9 | 140.1 | 141.2 |
| 77.5° | 110.9 | 109.9 | 108.8 | 108.8 | 107.7 | 107.7 | 107.7 | 108.8 | 108.8 | 109.9 | 110.9 |
| 80° | 81.9 | 80.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 80.8 | 81.9 |
| 82.5° | 55.0 | 55.0 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 55.0 | 55.0 |
| 85° | 32.3 | 32.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 32.3 | 32.3 |
| 87.5° | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 | 12.9 |
| 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: P
 CATALOG NUMBER: 4APN-X-26L830-UNV-NP

CANDELA DISTRIBUTION (continued):

| | 330° | 340° | 350° | 360° |
|-------|-------|-------|-------|-------|
| 0° | 882.3 | 882.3 | 882.3 | 882.3 |
| 2.5° | 884.4 | 885.5 | 881.2 | 876.8 |
| 5° | 880.0 | 881.2 | 877.9 | 873.6 |
| 7.5° | 873.6 | 874.7 | 871.5 | 868.2 |
| 10° | 863.9 | 866.0 | 862.8 | 858.6 |
| 12.5° | 852.0 | 853.1 | 849.9 | 846.7 |
| 15° | 838.1 | 839.1 | 835.9 | 832.7 |
| 17.5° | 820.9 | 823.0 | 819.8 | 816.5 |
| 20° | 801.4 | 803.6 | 801.4 | 798.2 |
| 22.5° | 779.9 | 782.0 | 779.9 | 777.7 |
| 25° | 757.2 | 759.5 | 757.2 | 755.1 |
| 27.5° | 732.5 | 735.8 | 733.5 | 732.5 |
| 30° | 706.6 | 709.8 | 707.7 | 706.6 |
| 32.5° | 679.7 | 684.0 | 681.8 | 679.7 |
| 35° | 651.7 | 654.9 | 652.8 | 651.7 |
| 37.5° | 623.7 | 627.0 | 625.9 | 624.7 |
| 40° | 594.6 | 597.8 | 595.7 | 594.6 |
| 42.5° | 564.4 | 567.7 | 566.6 | 565.6 |
| 45° | 533.2 | 536.4 | 535.4 | 535.4 |
| 47.5° | 503.0 | 506.3 | 505.2 | 504.1 |
| 50° | 470.8 | 474.0 | 472.9 | 472.9 |
| 52.5° | 439.5 | 442.7 | 441.6 | 440.5 |
| 55° | 407.2 | 409.4 | 408.3 | 408.3 |
| 57.5° | 374.9 | 378.1 | 377.0 | 375.9 |
| 60° | 342.5 | 344.7 | 343.6 | 343.6 |
| 62.5° | 310.3 | 312.4 | 311.3 | 311.3 |
| 65° | 275.8 | 277.9 | 277.9 | 277.9 |
| 67.5° | 240.2 | 242.4 | 241.3 | 241.3 |
| 70° | 207.9 | 209.0 | 207.9 | 207.9 |
| 72.5° | 174.5 | 175.5 | 175.5 | 175.5 |
| 75° | 142.2 | 143.3 | 142.2 | 142.2 |
| 77.5° | 112.0 | 113.1 | 112.0 | 110.9 |
| 80° | 83.0 | 84.0 | 83.0 | 81.9 |
| 82.5° | 56.1 | 57.1 | 56.1 | 55.0 |
| 85° | 33.4 | 33.4 | 32.3 | 31.3 |
| 87.5° | 14.0 | 14.0 | 12.9 | 11.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)