

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: AMETRIX

Report Number: P508361

Luminaire Tested: **ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 4/5/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: AMETRIX  
Catalog Number: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD  
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.  
(3) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

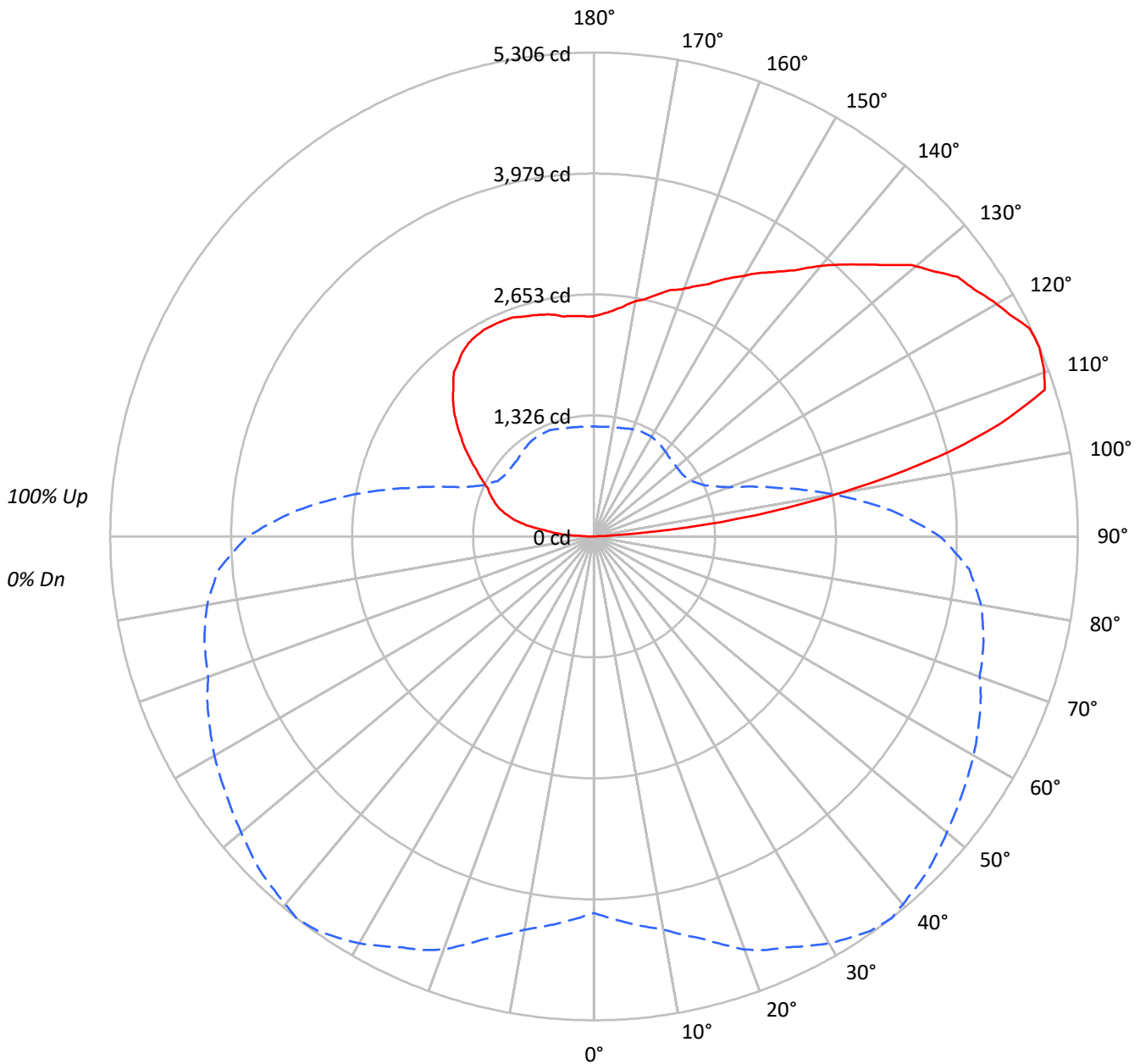
Lumens per Lamp: N/A  
Luminaire Lumens: 15951.4 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
N/A  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Indirect

Input Watts (W): 165.2  
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: 24 FT



TEST NUMBER: P508361  
CATALOG NUMBER: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot



— Vertical Plane Through 38° Lateral      - - - Horizontal Cone Through 112.5° Vertical



TEST NUMBER: P508361

CATALOG NUMBER: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD

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

|     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |    |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|----|
| RF  | 20 |    |    |    |    |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |  |  |  | 20 |
| RC  | 80 |    |    |    |    |    |    |    | 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   | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 |  |  |  | 0  |
| 1   | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9  | 9  | 8  |  |  |  | 0  |
| 2   | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8  | 7  | 7  |  |  |  | 0  |
| 3   | 72 | 63 | 57 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7  | 6  | 6  |  |  |  | 0  |
| 4   | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6  | 6  | 5  |  |  |  | 0  |
| 5   | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5  | 5  | 4  |  |  |  | 0  |
| 6   | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5  | 4  | 4  |  |  |  | 0  |
| 7   | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4  | 4  | 3  |  |  |  | 0  |
| 8   | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9  | 4  | 3  | 3  |  |  |  | 0  |
| 9   | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9  | 8  | 4  | 3  | 3  |  |  |  | 0  |
| 10  | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8  | 7  | 3  | 3  | 2  |  |  |  | 0  |

**AVERAGE LUMINANCE (cd/sqm):**

|      | 0°     | 90°    | 180°  |
|------|--------|--------|-------|
| 95°  | 37026  | 41213  | 52390 |
| 100° | 100983 | 78190  | 47687 |
| 105° | 101156 | 83514  | 43755 |
| 110° | 112687 | 102717 | 36850 |
| 115° | 118856 | 103009 | 30686 |
| 120° | 111422 | 90720  | 28494 |
| 125° | 97341  | 77597  | 28343 |
| 130° | 83735  | 64411  | 29364 |
| 135° | 71037  | 55280  | 29879 |
| 140° | 59611  | 47054  | 30838 |
| 145° | 50394  | 41401  | 30920 |
| 150° | 42887  | 36699  | 31004 |
| 155° | 37554  | 32851  | 30164 |
| 160° | 33822  | 29935  | 29352 |
| 165° | 31013  | 28177  | 28113 |
| 170° | 28810  | 26832  | 26955 |
| 175° | 26953  | 26159  | 26037 |



TEST NUMBER: P508361

CATALOG NUMBER: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 0.0     | 0.0       |
| 10°-20°   | 0.0     | 0.0       |
| 20°-30°   | 0.0     | 0.0       |
| 30°-40°   | 0.0     | 0.0       |
| 40°-50°   | 0.0     | 0.0       |
| 50°-60°   | 0.0     | 0.0       |
| 60°-70°   | 0.0     | 0.0       |
| 70°-80°   | 0.0     | 0.0       |
| 80°-90°   | 0.0     | 0.0       |
| 90°-100°  | 652.9   | 4.1       |
| 100°-110° | 2363.2  | 14.8      |
| 110°-120° | 3185.6  | 20.0      |
| 120°-130° | 3032.0  | 19.0      |
| 130°-140° | 2526.2  | 15.8      |
| 140°-150° | 1913.7  | 12.0      |
| 150°-160° | 1302.4  | 8.2       |
| 160°-170° | 740.0   | 4.6       |
| 170°-180° | 235.4   | 1.5       |
| 0°-30°    | 0.0     | 0.0       |
| 0°-40°    | 0.0     | 0.0       |
| 0°-60°    | 0.0     | 0.0       |
| 0°-90°    | 0.0     | 0.0       |
| 90°-120°  | 6201.7  | 38.9      |
| 90°-150°  | 13673.6 | 85.7      |
| 90°-180°  | 15951.0 | 100.0     |
| 0°-180°   | 15951.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 90°  | 0    | 0    | 0    | 0    | 0    |      |
| 95°  | 300  | 979  | 334  | 334  | 424  | 533  |
| 105° | 2432 | 4966 | 2008 | 888  | 1052 | 2639 |
| 115° | 4667 | 5080 | 4044 | 1284 | 1205 | 4500 |
| 125° | 5187 | 4644 | 4135 | 1725 | 1510 | 4629 |
| 135° | 4667 | 3999 | 3632 | 2189 | 1963 | 3616 |
| 145° | 3835 | 3411 | 3151 | 2489 | 2353 | 2426 |
| 155° | 3162 | 2998 | 2766 | 2579 | 2540 | 1477 |
| 165° | 2783 | 2698 | 2528 | 2512 | 2523 | 794  |
| 175° | 2494 | 2461 | 2421 | 2415 | 2410 | 243  |
| 180° | 2410 | 2410 | 2410 | 2410 | 2410 |      |



TEST NUMBER: P508361

CATALOG NUMBER: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 38°    | 40°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 45.3   | 45.3   | 45.3   | 50.9   | 56.6   | 62.2   | 62.2   | 79.2   | 101.8  | 107.5  | 124.4  |
| 95°    | 299.8  | 345.0  | 514.7  | 593.9  | 599.6  | 616.6  | 616.6  | 780.6  | 972.9  | 1018.2 | 1063.4 |
| 97.5°  | 803.2  | 859.8  | 1040.8 | 1182.2 | 1385.8 | 1442.4 | 1510.3 | 1646.0 | 1855.3 | 1979.8 | 2042.0 |
| 100°   | 1629.1 | 1640.4 | 1736.5 | 1866.6 | 2087.3 | 2211.7 | 2364.4 | 2737.8 | 2924.4 | 2924.4 | 2856.5 |
| 102.5° | 2064.6 | 2075.9 | 2160.8 | 2285.2 | 2545.4 | 2732.1 | 2907.4 | 3360.0 | 3739.0 | 3880.4 | 3936.9 |
| 105°   | 2432.3 | 2471.9 | 2562.4 | 2737.8 | 3054.5 | 3263.8 | 3427.8 | 3942.6 | 4383.8 | 4627.0 | 4813.7 |
| 107.5° | 2901.8 | 2964.0 | 3116.7 | 3320.4 | 3699.4 | 3942.6 | 4151.9 | 4570.5 | 4955.1 | 5198.3 | 5192.7 |
| 110°   | 3580.6 | 3614.5 | 3772.9 | 4038.7 | 4366.8 | 4559.1 | 4689.2 | 4983.4 | 5243.6 | 5266.2 | 5277.5 |
| 112.5° | 4129.3 | 4253.7 | 4378.1 | 4564.8 | 4819.3 | 4909.9 | 4972.1 | 5153.1 | 5283.2 | 5305.8 | 5266.2 |
| 115°   | 4666.6 | 4711.9 | 4774.1 | 4898.5 | 5017.3 | 5107.8 | 5119.1 | 5215.3 | 5243.6 | 5294.5 | 5204.0 |
| 117.5° | 5000.4 | 5023.0 | 5028.6 | 5073.9 | 5136.1 | 5187.0 | 5175.7 | 5204.0 | 5237.9 | 5170.0 | 5124.8 |
| 120°   | 5175.7 | 5198.3 | 5158.7 | 5175.7 | 5192.7 | 5204.0 | 5181.4 | 5192.7 | 5130.5 | 5079.5 | 5028.6 |
| 122.5° | 5243.6 | 5237.9 | 5198.3 | 5198.3 | 5175.7 | 5170.0 | 5124.8 | 5085.2 | 5039.9 | 4972.1 | 4909.9 |
| 125°   | 5187.0 | 5209.6 | 5158.7 | 5119.1 | 5068.2 | 5153.1 | 5039.9 | 5000.4 | 4921.2 | 4898.5 | 4779.8 |
| 127.5° | 5113.5 | 5158.7 | 5073.9 | 5034.3 | 4983.4 | 4966.4 | 4898.5 | 4842.0 | 4785.4 | 4723.2 | 4644.0 |
| 130°   | 5000.4 | 5017.3 | 4938.1 | 4898.5 | 4847.6 | 4796.7 | 4785.4 | 4661.0 | 4621.4 | 4581.8 | 4474.3 |
| 132.5° | 4887.2 | 4858.9 | 4779.8 | 4728.8 | 4666.6 | 4638.3 | 4610.1 | 4502.6 | 4446.0 | 4361.2 | 4304.6 |
| 135°   | 4666.6 | 4672.3 | 4598.7 | 4542.2 | 4457.3 | 4457.3 | 4406.4 | 4327.2 | 4253.7 | 4180.2 | 4106.6 |
| 137.5° | 4457.3 | 4496.9 | 4389.5 | 4338.5 | 4293.3 | 4259.4 | 4191.5 | 4117.9 | 4038.7 | 4010.5 | 3953.9 |
| 140°   | 4242.4 | 4248.0 | 4163.2 | 4117.9 | 4084.0 | 4021.8 | 3982.2 | 3914.3 | 3886.0 | 3835.1 | 3755.9 |
| 142.5° | 4055.7 | 4033.1 | 3965.2 | 3914.3 | 3880.4 | 3835.1 | 3812.5 | 3744.6 | 3699.4 | 3654.1 | 3625.8 |
| 145°   | 3835.1 | 3829.5 | 3750.3 | 3716.3 | 3688.0 | 3671.1 | 3631.5 | 3580.6 | 3557.9 | 3518.3 | 3518.3 |
| 147.5° | 3648.4 | 3620.2 | 3574.9 | 3535.3 | 3501.4 | 3484.4 | 3484.4 | 3393.9 | 3410.9 | 3405.2 | 3354.3 |
| 150°   | 3450.5 | 3444.8 | 3382.6 | 3365.6 | 3337.3 | 3348.7 | 3337.3 | 3297.7 | 3297.7 | 3275.1 | 3241.2 |
| 152.5° | 3292.1 | 3292.1 | 3241.2 | 3229.9 | 3218.6 | 3212.9 | 3190.3 | 3173.3 | 3173.3 | 3167.6 | 3128.0 |
| 155°   | 3162.0 | 3162.0 | 3122.4 | 3116.7 | 3099.8 | 3094.1 | 3082.8 | 3065.8 | 3054.5 | 3043.2 | 3009.3 |
| 157.5° | 3054.5 | 3048.9 | 3003.6 | 3009.3 | 2992.3 | 2992.3 | 2986.6 | 2952.7 | 2964.0 | 2958.4 | 2935.7 |
| 160°   | 2952.7 | 2947.0 | 2901.8 | 2918.8 | 2907.4 | 2907.4 | 2907.4 | 2884.8 | 2873.5 | 2873.5 | 2822.6 |
| 162.5° | 2862.2 | 2873.5 | 2828.3 | 2822.6 | 2828.3 | 2828.3 | 2805.6 | 2788.7 | 2805.6 | 2822.6 | 2771.7 |
| 165°   | 2783.0 | 2771.7 | 2754.7 | 2749.1 | 2737.8 | 2726.4 | 2737.8 | 2726.4 | 2715.1 | 2737.8 | 2720.8 |
| 167.5° | 2703.8 | 2715.1 | 2681.2 | 2669.9 | 2669.9 | 2692.5 | 2675.5 | 2652.9 | 2664.2 | 2658.6 | 2624.6 |
| 170°   | 2635.9 | 2647.2 | 2602.0 | 2602.0 | 2602.0 | 2602.0 | 2585.0 | 2568.1 | 2596.3 | 2607.7 | 2568.1 |
| 172.5° | 2568.1 | 2585.0 | 2545.4 | 2539.8 | 2534.1 | 2545.4 | 2534.1 | 2517.1 | 2551.1 | 2534.1 | 2517.1 |
| 175°   | 2494.5 | 2522.8 | 2483.2 | 2477.6 | 2488.9 | 2488.9 | 2477.6 | 2466.2 | 2488.9 | 2477.6 | 2466.2 |
| 177.5° | 2460.6 | 2460.6 | 2421.0 | 2426.6 | 2426.6 | 2421.0 | 2438.0 | 2432.3 | 2438.0 | 2438.0 | 2460.6 |
| 180°   | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 45°    | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 130.1  | 152.7  | 164.0  | 90.5   | 90.5   | 101.8  | 96.2   | 84.8   | 73.5   | 67.9   | 67.9   |
| 95°    | 978.6  | 927.7  | 956.0  | 859.8  | 746.7  | 656.2  | 650.5  | 656.2  | 452.5  | 339.4  | 333.7  |
| 97.5°  | 2104.2 | 2081.6 | 1906.2 | 1634.7 | 1555.5 | 1561.2 | 1465.0 | 1216.1 | 1018.2 | 871.1  | 752.3  |
| 100°   | 2737.8 | 2664.2 | 2585.0 | 2641.6 | 2483.2 | 2358.8 | 2183.4 | 1962.8 | 1730.9 | 1532.9 | 1261.4 |
| 102.5° | 3903.0 | 3789.9 | 3501.4 | 3184.6 | 2867.9 | 2754.7 | 2624.6 | 2375.7 | 2132.5 | 1900.6 | 1623.4 |
| 105°   | 4966.4 | 4774.1 | 4287.6 | 3835.1 | 3405.2 | 3275.1 | 3105.4 | 2828.3 | 2545.4 | 2313.5 | 2008.1 |
| 107.5° | 5221.0 | 5079.5 | 4808.0 | 4502.6 | 4129.3 | 3914.3 | 3755.9 | 3456.1 | 3190.3 | 2873.5 | 2522.8 |
| 110°   | 5243.6 | 5102.2 | 4932.5 | 4723.2 | 4542.2 | 4417.7 | 4315.9 | 4089.7 | 3897.3 | 3620.2 | 3263.8 |
| 112.5° | 5181.4 | 5051.3 | 4926.8 | 4808.0 | 4666.6 | 4593.1 | 4502.6 | 4423.4 | 4310.3 | 4129.3 | 3795.5 |
| 115°   | 5079.5 | 4966.4 | 4853.3 | 4751.5 | 4683.6 | 4649.7 | 4604.4 | 4542.2 | 4480.0 | 4344.2 | 4044.4 |
| 117.5° | 4983.4 | 4853.3 | 4751.5 | 4717.5 | 4655.3 | 4604.4 | 4598.7 | 4587.4 | 4547.8 | 4480.0 | 4191.5 |
| 120°   | 4887.2 | 4785.4 | 4683.6 | 4610.1 | 4587.4 | 4581.8 | 4581.8 | 4547.8 | 4559.1 | 4502.6 | 4214.1 |
| 122.5° | 4734.5 | 4655.3 | 4570.5 | 4536.5 | 4440.4 | 4463.0 | 4474.3 | 4451.7 | 4496.9 | 4457.3 | 4185.8 |
| 125°   | 4644.0 | 4564.8 | 4457.3 | 4406.4 | 4389.5 | 4366.8 | 4389.5 | 4349.9 | 4372.5 | 4344.2 | 4134.9 |
| 127.5° | 4491.3 | 4389.5 | 4332.9 | 4293.3 | 4282.0 | 4202.8 | 4242.4 | 4248.0 | 4253.7 | 4208.4 | 4021.8 |
| 130°   | 4327.2 | 4270.7 | 4140.6 | 4157.5 | 4157.5 | 4129.3 | 4134.9 | 4112.3 | 4101.0 | 4061.4 | 3846.4 |
| 132.5° | 4208.4 | 4134.9 | 4050.1 | 4027.4 | 4004.8 | 3999.2 | 3999.2 | 3959.6 | 3959.6 | 3908.6 | 3767.2 |
| 135°   | 3999.2 | 3948.2 | 3914.3 | 3891.7 | 3886.0 | 3863.4 | 3863.4 | 3823.8 | 3818.1 | 3772.9 | 3631.5 |
| 137.5° | 3852.1 | 3801.2 | 3772.9 | 3755.9 | 3739.0 | 3699.4 | 3722.0 | 3688.0 | 3654.1 | 3642.8 | 3507.0 |
| 140°   | 3705.0 | 3665.4 | 3642.8 | 3614.5 | 3608.9 | 3586.2 | 3586.2 | 3546.6 | 3535.3 | 3484.4 | 3348.7 |
| 142.5° | 3580.6 | 3557.9 | 3512.7 | 3501.4 | 3461.8 | 3467.4 | 3439.2 | 3444.8 | 3399.6 | 3343.0 | 3235.5 |
| 145°   | 3410.9 | 3416.5 | 3393.9 | 3371.3 | 3365.6 | 3331.7 | 3337.3 | 3303.4 | 3275.1 | 3235.5 | 3150.7 |
| 147.5° | 3320.4 | 3320.4 | 3286.4 | 3258.1 | 3235.5 | 3229.9 | 3201.6 | 3207.2 | 3162.0 | 3105.4 | 3048.9 |
| 150°   | 3201.6 | 3190.3 | 3156.3 | 3139.4 | 3122.4 | 3122.4 | 3094.1 | 3077.1 | 3043.2 | 3026.2 | 2952.7 |
| 152.5° | 3116.7 | 3088.5 | 3071.5 | 3037.5 | 3037.5 | 3009.3 | 2986.6 | 2975.3 | 2947.0 | 2913.1 | 2856.5 |
| 155°   | 2997.9 | 2986.6 | 2964.0 | 2958.4 | 2935.7 | 2913.1 | 2873.5 | 2867.9 | 2850.9 | 2816.9 | 2766.0 |
| 157.5° | 2901.8 | 2918.8 | 2884.8 | 2867.9 | 2833.9 | 2828.3 | 2788.7 | 2794.3 | 2760.4 | 2737.8 | 2692.5 |
| 160°   | 2856.5 | 2828.3 | 2794.3 | 2788.7 | 2777.3 | 2732.1 | 2726.4 | 2709.5 | 2686.8 | 2669.9 | 2613.3 |
| 162.5° | 2754.7 | 2749.1 | 2732.1 | 2720.8 | 2681.2 | 2681.2 | 2613.3 | 2641.6 | 2624.6 | 2607.7 | 2579.4 |
| 165°   | 2698.2 | 2703.8 | 2664.2 | 2652.9 | 2641.6 | 2619.0 | 2602.0 | 2585.0 | 2568.1 | 2556.7 | 2528.5 |
| 167.5° | 2624.6 | 2613.3 | 2602.0 | 2579.4 | 2585.0 | 2568.1 | 2551.1 | 2539.8 | 2528.5 | 2517.1 | 2494.5 |
| 170°   | 2562.4 | 2556.7 | 2545.4 | 2528.5 | 2534.1 | 2517.1 | 2517.1 | 2494.5 | 2488.9 | 2483.2 | 2454.9 |
| 172.5° | 2511.5 | 2511.5 | 2500.2 | 2500.2 | 2494.5 | 2477.6 | 2466.2 | 2454.9 | 2454.9 | 2443.6 | 2438.0 |
| 175°   | 2460.6 | 2466.2 | 2460.6 | 2454.9 | 2454.9 | 2443.6 | 2443.6 | 2449.3 | 2438.0 | 2438.0 | 2421.0 |
| 177.5° | 2421.0 | 2421.0 | 2421.0 | 2421.0 | 2421.0 | 2421.0 | 2421.0 | 2415.3 | 2421.0 | 2415.3 | 2398.4 |
| 180°   | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 |



TEST NUMBER: P508361

CATALOG NUMBER: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD

**CANDELA DISTRIBUTION (continued):**

|        | 95°    | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 73.5   | 79.2   | 84.8   | 90.5   | 107.5  | 101.8  | 118.8  | 124.4  | 135.8  | 158.4  | 164.0  |
| 95°    | 299.8  | 299.8  | 294.1  | 294.1  | 282.8  | 282.8  | 277.2  | 271.5  | 299.8  | 333.7  | 379.0  |
| 97.5°  | 616.6  | 526.1  | 480.8  | 463.8  | 458.2  | 452.5  | 441.2  | 424.2  | 435.6  | 463.8  | 520.4  |
| 100°   | 1040.8 | 859.8  | 712.7  | 627.9  | 610.9  | 582.6  | 571.3  | 565.7  | 565.7  | 622.2  | 712.7  |
| 102.5° | 1346.2 | 1080.4 | 888.1  | 763.6  | 729.7  | 701.4  | 684.4  | 684.4  | 695.8  | 763.6  | 865.4  |
| 105°   | 1702.6 | 1363.2 | 1069.1 | 905.0  | 876.8  | 837.2  | 808.9  | 814.5  | 825.9  | 888.1  | 978.6  |
| 107.5° | 2132.5 | 1725.2 | 1374.5 | 1120.0 | 1057.8 | 1001.2 | 956.0  | 956.0  | 961.6  | 1001.2 | 1069.1 |
| 110°   | 2777.3 | 2251.3 | 1725.2 | 1346.2 | 1244.4 | 1182.2 | 1074.7 | 1074.7 | 1069.1 | 1097.4 | 1142.6 |
| 112.5° | 3269.5 | 2658.6 | 2059.0 | 1572.5 | 1431.1 | 1329.3 | 1216.1 | 1182.2 | 1182.2 | 1187.9 | 1216.1 |
| 115°   | 3563.6 | 2930.1 | 2290.9 | 1781.8 | 1595.1 | 1470.7 | 1329.3 | 1289.7 | 1272.7 | 1284.0 | 1272.7 |
| 117.5° | 3733.3 | 3094.1 | 2488.9 | 1934.5 | 1759.2 | 1617.8 | 1442.4 | 1391.5 | 1363.2 | 1385.8 | 1380.2 |
| 120°   | 3818.1 | 3241.2 | 2647.2 | 2092.9 | 1911.9 | 1747.9 | 1561.2 | 1510.3 | 1487.7 | 1487.7 | 1493.3 |
| 122.5° | 3829.5 | 3320.4 | 2737.8 | 2234.3 | 2053.3 | 1894.9 | 1702.6 | 1629.1 | 1606.4 | 1612.1 | 1612.1 |
| 125°   | 3789.9 | 3309.1 | 2822.6 | 2347.5 | 2172.1 | 2013.7 | 1815.7 | 1753.5 | 1702.6 | 1725.2 | 1730.9 |
| 127.5° | 3727.6 | 3280.8 | 2873.5 | 2438.0 | 2279.6 | 2138.2 | 1957.2 | 1883.6 | 1838.4 | 1849.7 | 1844.0 |
| 130°   | 3637.1 | 3246.8 | 2918.8 | 2517.1 | 2381.4 | 2240.0 | 2081.6 | 2013.7 | 1951.5 | 1957.2 | 1962.8 |
| 132.5° | 3546.6 | 3235.5 | 2941.4 | 2579.4 | 2466.2 | 2347.5 | 2189.1 | 2121.2 | 2064.6 | 2070.3 | 2070.3 |
| 135°   | 3450.5 | 3207.2 | 2913.1 | 2619.0 | 2562.4 | 2438.0 | 2307.9 | 2234.3 | 2189.1 | 2189.1 | 2177.8 |
| 137.5° | 3348.7 | 3139.4 | 2935.7 | 2698.2 | 2619.0 | 2517.1 | 2387.0 | 2330.5 | 2285.2 | 2279.6 | 2273.9 |
| 140°   | 3258.1 | 3065.8 | 2907.4 | 2715.1 | 2658.6 | 2579.4 | 2471.9 | 2426.6 | 2364.4 | 2353.1 | 2387.0 |
| 142.5° | 3167.6 | 3031.9 | 2935.7 | 2754.7 | 2698.2 | 2630.3 | 2551.1 | 2488.9 | 2443.6 | 2432.3 | 2426.6 |
| 145°   | 3077.1 | 2997.9 | 2890.5 | 2743.4 | 2720.8 | 2652.9 | 2568.1 | 2551.1 | 2500.2 | 2488.9 | 2488.9 |
| 147.5° | 2986.6 | 2918.8 | 2839.6 | 2737.8 | 2737.8 | 2681.2 | 2641.6 | 2590.7 | 2551.1 | 2528.5 | 2528.5 |
| 150°   | 2907.4 | 2850.9 | 2811.3 | 2732.1 | 2726.4 | 2681.2 | 2647.2 | 2624.6 | 2579.4 | 2568.1 | 2562.4 |
| 152.5° | 2833.9 | 2783.0 | 2749.1 | 2698.2 | 2692.5 | 2630.3 | 2641.6 | 2619.0 | 2573.7 | 2562.4 | 2562.4 |
| 155°   | 2743.4 | 2737.8 | 2698.2 | 2647.2 | 2669.9 | 2635.9 | 2607.7 | 2635.9 | 2568.1 | 2579.4 | 2579.4 |
| 157.5° | 2681.2 | 2675.5 | 2669.9 | 2619.0 | 2624.6 | 2607.7 | 2590.7 | 2613.3 | 2556.7 | 2562.4 | 2562.4 |
| 160°   | 2613.3 | 2602.0 | 2602.0 | 2556.7 | 2590.7 | 2556.7 | 2562.4 | 2573.7 | 2539.8 | 2545.4 | 2562.4 |
| 162.5° | 2579.4 | 2556.7 | 2556.7 | 2539.8 | 2551.1 | 2539.8 | 2511.5 | 2551.1 | 2545.4 | 2534.1 | 2539.8 |
| 165°   | 2522.8 | 2517.1 | 2528.5 | 2494.5 | 2522.8 | 2488.9 | 2500.2 | 2517.1 | 2505.8 | 2511.5 | 2517.1 |
| 167.5° | 2488.9 | 2483.2 | 2488.9 | 2471.9 | 2488.9 | 2477.6 | 2471.9 | 2494.5 | 2483.2 | 2488.9 | 2494.5 |
| 170°   | 2460.6 | 2460.6 | 2466.2 | 2449.3 | 2466.2 | 2449.3 | 2466.2 | 2466.2 | 2460.6 | 2460.6 | 2471.9 |
| 172.5° | 2449.3 | 2432.3 | 2449.3 | 2421.0 | 2449.3 | 2415.3 | 2426.6 | 2443.6 | 2438.0 | 2432.3 | 2432.3 |
| 175°   | 2426.6 | 2421.0 | 2438.0 | 2409.7 | 2426.6 | 2409.7 | 2409.7 | 2426.6 | 2421.0 | 2415.3 | 2438.0 |
| 177.5° | 2426.6 | 2409.7 | 2426.6 | 2398.4 | 2415.3 | 2404.0 | 2404.0 | 2421.0 | 2409.7 | 2409.7 | 2426.6 |
| 180°   | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 |





TEST NUMBER: P508361

CATALOG NUMBER: ASYX-X-L3-X-U-W-L35-1-UNV-X-X-X-STD

**CANDELA DISTRIBUTION (continued):**

|        | 145°   | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 164.0  | 192.3  | 198.0  | 214.9  | 209.3  | 175.4  | 152.7  | 124.4  | 107.5  |
| 95°    | 429.9  | 475.1  | 520.4  | 514.7  | 531.7  | 497.8  | 463.8  | 446.9  | 424.2  |
| 97.5°  | 577.0  | 650.5  | 695.8  | 695.8  | 701.4  | 678.8  | 667.5  | 678.8  | 650.5  |
| 100°   | 814.5  | 865.4  | 882.4  | 876.8  | 859.8  | 820.2  | 797.6  | 786.3  | 769.3  |
| 102.5° | 956.0  | 1012.5 | 1029.5 | 1018.2 | 1006.9 | 989.9  | 967.3  | 956.0  | 950.3  |
| 105°   | 1052.1 | 1103.0 | 1125.6 | 1120.0 | 1114.3 | 1086.0 | 1040.8 | 1057.8 | 1052.1 |
| 107.5° | 1142.6 | 1176.6 | 1199.2 | 1182.2 | 1176.6 | 1159.6 | 1131.3 | 1148.3 | 1125.6 |
| 110°   | 1199.2 | 1227.5 | 1233.1 | 1233.1 | 1221.8 | 1204.8 | 1182.2 | 1187.9 | 1170.9 |
| 112.5° | 1244.4 | 1261.4 | 1261.4 | 1261.4 | 1250.1 | 1227.5 | 1216.1 | 1204.8 | 1204.8 |
| 115°   | 1295.3 | 1284.0 | 1289.7 | 1289.7 | 1278.4 | 1244.4 | 1227.5 | 1216.1 | 1204.8 |
| 117.5° | 1385.8 | 1368.9 | 1351.9 | 1351.9 | 1323.6 | 1301.0 | 1284.0 | 1267.1 | 1250.1 |
| 120°   | 1470.7 | 1459.4 | 1448.1 | 1431.1 | 1414.1 | 1385.8 | 1357.6 | 1334.9 | 1323.6 |
| 122.5° | 1583.8 | 1555.5 | 1538.6 | 1549.9 | 1515.9 | 1487.7 | 1453.7 | 1431.1 | 1402.8 |
| 125°   | 1708.3 | 1685.6 | 1657.4 | 1646.0 | 1617.8 | 1595.1 | 1566.9 | 1544.2 | 1510.3 |
| 127.5° | 1815.7 | 1781.8 | 1770.5 | 1764.8 | 1730.9 | 1702.6 | 1657.4 | 1640.4 | 1640.4 |
| 130°   | 1940.2 | 1900.6 | 1906.2 | 1878.0 | 1849.7 | 1804.4 | 1759.2 | 1759.2 | 1753.5 |
| 132.5° | 2059.0 | 2013.7 | 2008.1 | 1996.7 | 1962.8 | 1928.9 | 1900.6 | 1894.9 | 1872.3 |
| 135°   | 2155.1 | 2121.2 | 2115.5 | 2104.2 | 2075.9 | 2042.0 | 1996.7 | 2008.1 | 1962.8 |
| 137.5° | 2240.0 | 2223.0 | 2217.4 | 2194.7 | 2166.4 | 2160.8 | 2109.9 | 2104.2 | 2075.9 |
| 140°   | 2336.1 | 2302.2 | 2324.8 | 2296.5 | 2262.6 | 2251.3 | 2183.4 | 2194.7 | 2194.7 |
| 142.5° | 2404.0 | 2387.0 | 2381.4 | 2370.1 | 2347.5 | 2324.8 | 2307.9 | 2285.2 | 2296.5 |
| 145°   | 2471.9 | 2460.6 | 2449.3 | 2449.3 | 2415.3 | 2404.0 | 2370.1 | 2370.1 | 2353.1 |
| 147.5° | 2528.5 | 2505.8 | 2505.8 | 2494.5 | 2477.6 | 2466.2 | 2432.3 | 2449.3 | 2421.0 |
| 150°   | 2528.5 | 2539.8 | 2528.5 | 2528.5 | 2534.1 | 2528.5 | 2500.2 | 2488.9 | 2494.5 |
| 152.5° | 2573.7 | 2556.7 | 2545.4 | 2568.1 | 2539.8 | 2556.7 | 2517.1 | 2528.5 | 2517.1 |
| 155°   | 2551.1 | 2562.4 | 2568.1 | 2556.7 | 2556.7 | 2556.7 | 2539.8 | 2568.1 | 2539.8 |
| 157.5° | 2573.7 | 2562.4 | 2568.1 | 2562.4 | 2551.1 | 2568.1 | 2551.1 | 2573.7 | 2556.7 |
| 160°   | 2562.4 | 2551.1 | 2562.4 | 2556.7 | 2545.4 | 2568.1 | 2568.1 | 2585.0 | 2562.4 |
| 162.5° | 2522.8 | 2534.1 | 2562.4 | 2545.4 | 2545.4 | 2585.0 | 2522.8 | 2579.4 | 2545.4 |
| 165°   | 2511.5 | 2517.1 | 2528.5 | 2539.8 | 2517.1 | 2534.1 | 2534.1 | 2539.8 | 2522.8 |
| 167.5° | 2500.2 | 2477.6 | 2500.2 | 2500.2 | 2505.8 | 2505.8 | 2505.8 | 2517.1 | 2494.5 |
| 170°   | 2477.6 | 2432.3 | 2477.6 | 2477.6 | 2466.2 | 2466.2 | 2460.6 | 2494.5 | 2466.2 |
| 172.5° | 2438.0 | 2426.6 | 2443.6 | 2443.6 | 2454.9 | 2449.3 | 2449.3 | 2454.9 | 2438.0 |
| 175°   | 2415.3 | 2421.0 | 2443.6 | 2426.6 | 2421.0 | 2426.6 | 2409.7 | 2426.6 | 2409.7 |
| 177.5° | 2404.0 | 2404.0 | 2409.7 | 2415.3 | 2426.6 | 2415.3 | 2398.4 | 2415.3 | 2398.4 |
| 180°   | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 | 2409.7 |

(END OF REPORT)