

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: P508375

Luminaire Tested: **ASYX-X-L4-X-U-W-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508375
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-L4-X-U-W-L27-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(4) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

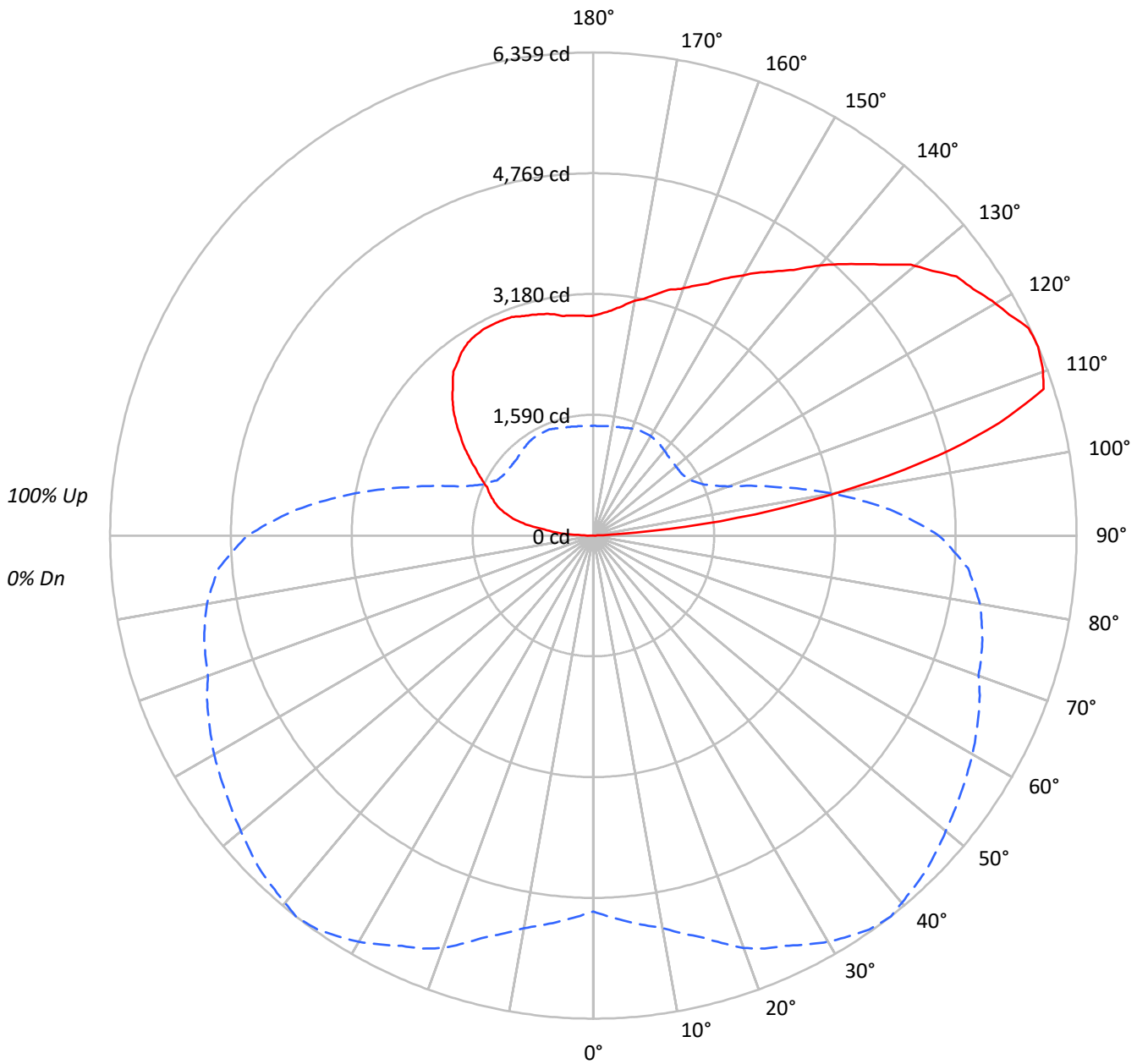
Lumens per Lamp: N/A
Luminaire Lumens: 19118.1 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 214.8
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: P508375
CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



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



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-UNV-X-X-X-STD

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 | 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° | 44374 | 49401 | 62801 |
| 100° | 121029 | 93712 | 57152 |
| 105° | 121239 | 100091 | 52443 |
| 110° | 135057 | 123107 | 44164 |
| 115° | 142454 | 123459 | 36778 |
| 120° | 133541 | 108731 | 34152 |
| 125° | 116666 | 93002 | 33969 |
| 130° | 100357 | 77198 | 35193 |
| 135° | 85141 | 66254 | 35811 |
| 140° | 71445 | 56393 | 36961 |
| 145° | 60399 | 49620 | 37060 |
| 150° | 51401 | 43985 | 37159 |
| 155° | 45009 | 39374 | 36153 |
| 160° | 40537 | 35877 | 35179 |
| 165° | 37170 | 33770 | 33694 |
| 170° | 34530 | 32159 | 32307 |
| 175° | 32304 | 31352 | 31206 |



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-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° | 782.5 | 4.1 |
| 100°-110° | 2832.3 | 14.8 |
| 110°-120° | 3818.1 | 20.0 |
| 120°-130° | 3633.9 | 19.0 |
| 130°-140° | 3027.7 | 15.8 |
| 140°-150° | 2293.7 | 12.0 |
| 150°-160° | 1560.9 | 8.2 |
| 160°-170° | 886.9 | 4.6 |
| 170°-180° | 282.1 | 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° | 7432.9 | 38.9 |
| 90°-150° | 16388.2 | 85.7 |
| 90°-180° | 19118.0 | 100.0 |
| 0°-180° | 19118.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | |
| 95° | 359 | 1173 | 400 | 400 | 508 | 639 |
| 105° | 2915 | 5952 | 2407 | 1064 | 1261 | 3162 |
| 115° | 5593 | 6088 | 4847 | 1539 | 1444 | 5393 |
| 125° | 6217 | 5566 | 4956 | 2068 | 1810 | 5548 |
| 135° | 5593 | 4793 | 4352 | 2624 | 2352 | 4334 |
| 145° | 4596 | 4088 | 3776 | 2983 | 2820 | 2908 |
| 155° | 3790 | 3593 | 3315 | 3091 | 3044 | 1771 |
| 165° | 3336 | 3234 | 3030 | 3010 | 3024 | 952 |
| 175° | 2990 | 2949 | 2902 | 2895 | 2888 | 291 |
| 180° | 2888 | 2888 | 2888 | 2888 | 2888 | |



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-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° | 54.2 | 54.2 | 54.2 | 61.0 | 67.8 | 74.6 | 74.6 | 94.9 | 122.0 | 128.8 | 149.1 |
| 95° | 359.3 | 413.5 | 616.9 | 711.8 | 718.6 | 739.0 | 739.0 | 935.6 | 1166.1 | 1220.3 | 1274.5 |
| 97.5° | 962.7 | 1030.5 | 1247.4 | 1416.9 | 1661.0 | 1728.8 | 1810.1 | 1972.8 | 2223.7 | 2372.8 | 2447.4 |
| 100° | 1952.5 | 1966.0 | 2081.3 | 2237.2 | 2501.6 | 2650.8 | 2833.8 | 3281.3 | 3505.0 | 3505.0 | 3423.6 |
| 102.5° | 2474.5 | 2488.1 | 2589.8 | 2738.9 | 3050.8 | 3274.5 | 3484.6 | 4027.0 | 4481.2 | 4650.7 | 4718.5 |
| 105° | 2915.2 | 2962.6 | 3071.1 | 3281.3 | 3660.9 | 3911.7 | 4108.4 | 4725.3 | 5254.1 | 5545.6 | 5769.3 |
| 107.5° | 3477.9 | 3552.4 | 3735.5 | 3979.5 | 4433.8 | 4725.3 | 4976.1 | 5477.8 | 5938.8 | 6230.3 | 6223.5 |
| 110° | 4291.4 | 4332.1 | 4521.9 | 4840.5 | 5233.7 | 5464.2 | 5620.2 | 5972.7 | 6284.6 | 6311.7 | 6325.2 |
| 112.5° | 4949.0 | 5098.2 | 5247.3 | 5471.0 | 5776.1 | 5884.6 | 5959.1 | 6176.1 | 6332.0 | 6359.1 | 6311.7 |
| 115° | 5593.1 | 5647.3 | 5721.9 | 5871.0 | 6013.4 | 6121.9 | 6135.4 | 6250.7 | 6284.6 | 6345.6 | 6237.1 |
| 117.5° | 5993.0 | 6020.2 | 6026.9 | 6081.2 | 6155.8 | 6216.8 | 6203.2 | 6237.1 | 6277.8 | 6196.4 | 6142.2 |
| 120° | 6203.2 | 6230.3 | 6182.9 | 6203.2 | 6223.5 | 6237.1 | 6210.0 | 6223.5 | 6149.0 | 6088.0 | 6026.9 |
| 122.5° | 6284.6 | 6277.8 | 6230.3 | 6230.3 | 6203.2 | 6196.4 | 6142.2 | 6094.7 | 6040.5 | 5959.1 | 5884.6 |
| 125° | 6216.8 | 6243.9 | 6182.9 | 6135.4 | 6074.4 | 6176.1 | 6040.5 | 5993.0 | 5898.1 | 5871.0 | 5728.6 |
| 127.5° | 6128.6 | 6182.9 | 6081.2 | 6033.7 | 5972.7 | 5952.4 | 5871.0 | 5803.2 | 5735.4 | 5660.9 | 5565.9 |
| 130° | 5993.0 | 6013.4 | 5918.5 | 5871.0 | 5810.0 | 5749.0 | 5735.4 | 5586.3 | 5538.8 | 5491.4 | 5362.6 |
| 132.5° | 5857.5 | 5823.6 | 5728.6 | 5667.6 | 5593.1 | 5559.2 | 5525.3 | 5396.5 | 5328.7 | 5227.0 | 5159.2 |
| 135° | 5593.1 | 5599.8 | 5511.7 | 5443.9 | 5342.2 | 5342.2 | 5281.2 | 5186.3 | 5098.2 | 5010.0 | 4921.9 |
| 137.5° | 5342.2 | 5389.7 | 5260.9 | 5199.8 | 5145.6 | 5104.9 | 5023.6 | 4935.4 | 4840.5 | 4806.6 | 4738.8 |
| 140° | 5084.6 | 5091.4 | 4989.7 | 4935.4 | 4894.8 | 4820.2 | 4772.7 | 4691.4 | 4657.5 | 4596.5 | 4501.6 |
| 142.5° | 4860.9 | 4833.8 | 4752.4 | 4691.4 | 4650.7 | 4596.5 | 4569.4 | 4488.0 | 4433.8 | 4379.5 | 4345.6 |
| 145° | 4596.5 | 4589.7 | 4494.8 | 4454.1 | 4420.2 | 4399.9 | 4352.4 | 4291.4 | 4264.3 | 4216.8 | 4216.8 |
| 147.5° | 4372.8 | 4338.9 | 4284.6 | 4237.2 | 4196.5 | 4176.1 | 4176.1 | 4067.7 | 4088.0 | 4081.2 | 4020.2 |
| 150° | 4135.5 | 4128.7 | 4054.1 | 4033.8 | 3999.9 | 4013.4 | 3999.9 | 3952.4 | 3952.4 | 3925.3 | 3884.6 |
| 152.5° | 3945.6 | 3945.6 | 3884.6 | 3871.1 | 3857.5 | 3850.7 | 3823.6 | 3803.3 | 3803.3 | 3796.5 | 3749.0 |
| 155° | 3789.7 | 3789.7 | 3742.3 | 3735.5 | 3715.1 | 3708.4 | 3694.8 | 3674.5 | 3660.9 | 3647.4 | 3606.7 |
| 157.5° | 3660.9 | 3654.1 | 3599.9 | 3606.7 | 3586.3 | 3586.3 | 3579.6 | 3538.9 | 3552.4 | 3545.7 | 3518.5 |
| 160° | 3538.9 | 3532.1 | 3477.9 | 3498.2 | 3484.6 | 3484.6 | 3484.6 | 3457.5 | 3444.0 | 3444.0 | 3383.0 |
| 162.5° | 3430.4 | 3444.0 | 3389.7 | 3383.0 | 3389.7 | 3389.7 | 3362.6 | 3342.3 | 3362.6 | 3383.0 | 3321.9 |
| 165° | 3335.5 | 3321.9 | 3301.6 | 3294.8 | 3281.3 | 3267.7 | 3281.3 | 3267.7 | 3254.1 | 3281.3 | 3260.9 |
| 167.5° | 3240.6 | 3254.1 | 3213.5 | 3199.9 | 3199.9 | 3227.0 | 3206.7 | 3179.6 | 3193.1 | 3186.3 | 3145.7 |
| 170° | 3159.2 | 3172.8 | 3118.6 | 3118.6 | 3118.6 | 3118.6 | 3098.2 | 3077.9 | 3111.8 | 3125.3 | 3077.9 |
| 172.5° | 3077.9 | 3098.2 | 3050.8 | 3044.0 | 3037.2 | 3050.8 | 3037.2 | 3016.9 | 3057.5 | 3037.2 | 3016.9 |
| 175° | 2989.7 | 3023.6 | 2976.2 | 2969.4 | 2983.0 | 2983.0 | 2969.4 | 2955.8 | 2983.0 | 2969.4 | 2955.8 |
| 177.5° | 2949.1 | 2949.1 | 2901.6 | 2908.4 | 2908.4 | 2901.6 | 2921.9 | 2915.2 | 2921.9 | 2921.9 | 2949.1 |
| 180° | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 |



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-UNV-X-X-X-STD

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° | 155.9 | 183.0 | 196.6 | 108.5 | 108.5 | 122.0 | 115.3 | 101.7 | 88.1 | 81.4 | 81.4 |
| 95° | 1172.8 | 1111.8 | 1145.7 | 1030.5 | 894.9 | 786.4 | 779.6 | 786.4 | 542.4 | 406.8 | 400.0 |
| 97.5° | 2522.0 | 2494.8 | 2284.7 | 1959.3 | 1864.4 | 1871.1 | 1755.9 | 1457.6 | 1220.3 | 1044.0 | 901.7 |
| 100° | 3281.3 | 3193.1 | 3098.2 | 3166.0 | 2976.2 | 2827.0 | 2616.9 | 2352.5 | 2074.5 | 1837.2 | 1511.8 |
| 102.5° | 4677.8 | 4542.2 | 4196.5 | 3816.8 | 3437.2 | 3301.6 | 3145.7 | 2847.4 | 2555.9 | 2277.9 | 1945.7 |
| 105° | 5952.4 | 5721.9 | 5138.8 | 4596.5 | 4081.2 | 3925.3 | 3721.9 | 3389.7 | 3050.8 | 2772.8 | 2406.7 |
| 107.5° | 6257.4 | 6088.0 | 5762.5 | 5396.5 | 4949.0 | 4691.4 | 4501.6 | 4142.3 | 3823.6 | 3444.0 | 3023.6 |
| 110° | 6284.6 | 6115.1 | 5911.7 | 5660.9 | 5443.9 | 5294.8 | 5172.7 | 4901.6 | 4671.0 | 4338.9 | 3911.7 |
| 112.5° | 6210.0 | 6054.1 | 5904.9 | 5762.5 | 5593.1 | 5504.9 | 5396.5 | 5301.5 | 5165.9 | 4949.0 | 4549.0 |
| 115° | 6088.0 | 5952.4 | 5816.8 | 5694.7 | 5613.4 | 5572.7 | 5518.5 | 5443.9 | 5369.3 | 5206.6 | 4847.3 |
| 117.5° | 5972.7 | 5816.8 | 5694.7 | 5654.1 | 5579.5 | 5518.5 | 5511.7 | 5498.1 | 5450.7 | 5369.3 | 5023.6 |
| 120° | 5857.5 | 5735.4 | 5613.4 | 5525.3 | 5498.1 | 5491.4 | 5491.4 | 5450.7 | 5464.2 | 5396.5 | 5050.7 |
| 122.5° | 5674.4 | 5579.5 | 5477.8 | 5437.1 | 5321.9 | 5349.0 | 5362.6 | 5335.4 | 5389.7 | 5342.2 | 5016.8 |
| 125° | 5565.9 | 5471.0 | 5342.2 | 5281.2 | 5260.9 | 5233.7 | 5260.9 | 5213.4 | 5240.5 | 5206.6 | 4955.8 |
| 127.5° | 5382.9 | 5260.9 | 5193.1 | 5145.6 | 5132.1 | 5037.1 | 5084.6 | 5091.4 | 5098.2 | 5043.9 | 4820.2 |
| 130° | 5186.3 | 5118.5 | 4962.6 | 4982.9 | 4982.9 | 4949.0 | 4955.8 | 4928.7 | 4915.1 | 4867.7 | 4610.0 |
| 132.5° | 5043.9 | 4955.8 | 4854.1 | 4827.0 | 4799.9 | 4793.1 | 4793.1 | 4745.6 | 4745.6 | 4684.6 | 4515.1 |
| 135° | 4793.1 | 4732.1 | 4691.4 | 4664.3 | 4657.5 | 4630.4 | 4630.4 | 4582.9 | 4576.1 | 4521.9 | 4352.4 |
| 137.5° | 4616.8 | 4555.8 | 4521.9 | 4501.6 | 4481.2 | 4433.8 | 4460.9 | 4420.2 | 4379.5 | 4366.0 | 4203.3 |
| 140° | 4440.5 | 4393.1 | 4366.0 | 4332.1 | 4325.3 | 4298.2 | 4298.2 | 4250.7 | 4237.2 | 4176.1 | 4013.4 |
| 142.5° | 4291.4 | 4264.3 | 4210.0 | 4196.5 | 4149.0 | 4155.8 | 4121.9 | 4128.7 | 4074.5 | 4006.7 | 3877.9 |
| 145° | 4088.0 | 4094.8 | 4067.7 | 4040.6 | 4033.8 | 3993.1 | 3999.9 | 3959.2 | 3925.3 | 3877.9 | 3776.2 |
| 147.5° | 3979.5 | 3979.5 | 3938.9 | 3905.0 | 3877.9 | 3871.1 | 3837.2 | 3844.0 | 3789.7 | 3721.9 | 3654.1 |
| 150° | 3837.2 | 3823.6 | 3782.9 | 3762.6 | 3742.3 | 3742.3 | 3708.4 | 3688.0 | 3647.4 | 3627.0 | 3538.9 |
| 152.5° | 3735.5 | 3701.6 | 3681.2 | 3640.6 | 3640.6 | 3606.7 | 3579.6 | 3566.0 | 3532.1 | 3491.4 | 3423.6 |
| 155° | 3593.1 | 3579.6 | 3552.4 | 3545.7 | 3518.5 | 3491.4 | 3444.0 | 3437.2 | 3416.8 | 3376.2 | 3315.2 |
| 157.5° | 3477.9 | 3498.2 | 3457.5 | 3437.2 | 3396.5 | 3389.7 | 3342.3 | 3349.1 | 3308.4 | 3281.3 | 3227.0 |
| 160° | 3423.6 | 3389.7 | 3349.1 | 3342.3 | 3328.7 | 3274.5 | 3267.7 | 3247.4 | 3220.2 | 3199.9 | 3132.1 |
| 162.5° | 3301.6 | 3294.8 | 3274.5 | 3260.9 | 3213.5 | 3213.5 | 3132.1 | 3166.0 | 3145.7 | 3125.3 | 3091.4 |
| 165° | 3233.8 | 3240.6 | 3193.1 | 3179.6 | 3166.0 | 3138.9 | 3118.6 | 3098.2 | 3077.9 | 3064.3 | 3030.4 |
| 167.5° | 3145.7 | 3132.1 | 3118.6 | 3091.4 | 3098.2 | 3077.9 | 3057.5 | 3044.0 | 3030.4 | 3016.9 | 2989.7 |
| 170° | 3071.1 | 3064.3 | 3050.8 | 3030.4 | 3037.2 | 3016.9 | 3016.9 | 2989.7 | 2983.0 | 2976.2 | 2942.3 |
| 172.5° | 3010.1 | 3010.1 | 2996.5 | 2996.5 | 2989.7 | 2969.4 | 2955.8 | 2942.3 | 2942.3 | 2928.7 | 2921.9 |
| 175° | 2949.1 | 2955.8 | 2949.1 | 2942.3 | 2942.3 | 2928.7 | 2928.7 | 2935.5 | 2921.9 | 2921.9 | 2901.6 |
| 177.5° | 2901.6 | 2901.6 | 2901.6 | 2901.6 | 2901.6 | 2901.6 | 2901.6 | 2894.8 | 2901.6 | 2894.8 | 2874.5 |
| 180° | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 |



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-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° | 88.1 | 94.9 | 101.7 | 108.5 | 128.8 | 122.0 | 142.4 | 149.1 | 162.7 | 189.8 | 196.6 |
| 95° | 359.3 | 359.3 | 352.5 | 352.5 | 339.0 | 339.0 | 332.2 | 325.4 | 359.3 | 400.0 | 454.2 |
| 97.5° | 739.0 | 630.5 | 576.3 | 555.9 | 549.1 | 542.4 | 528.8 | 508.5 | 522.0 | 555.9 | 623.7 |
| 100° | 1247.4 | 1030.5 | 854.2 | 752.5 | 732.2 | 698.3 | 684.7 | 677.9 | 677.9 | 745.7 | 854.2 |
| 102.5° | 1613.5 | 1294.9 | 1064.4 | 915.2 | 874.6 | 840.7 | 820.3 | 820.3 | 833.9 | 915.2 | 1037.3 |
| 105° | 2040.6 | 1633.9 | 1281.3 | 1084.7 | 1050.8 | 1003.4 | 969.5 | 976.2 | 989.8 | 1064.4 | 1172.8 |
| 107.5° | 2555.9 | 2067.7 | 1647.4 | 1342.3 | 1267.8 | 1200.0 | 1145.7 | 1145.7 | 1152.5 | 1200.0 | 1281.3 |
| 110° | 3328.7 | 2698.2 | 2067.7 | 1613.5 | 1491.5 | 1416.9 | 1288.1 | 1288.1 | 1281.3 | 1315.2 | 1369.5 |
| 112.5° | 3918.5 | 3186.3 | 2467.7 | 1884.7 | 1715.2 | 1593.2 | 1457.6 | 1416.9 | 1416.9 | 1423.7 | 1457.6 |
| 115° | 4271.1 | 3511.8 | 2745.7 | 2135.5 | 1911.8 | 1762.7 | 1593.2 | 1545.7 | 1525.4 | 1538.9 | 1525.4 |
| 117.5° | 4474.4 | 3708.4 | 2983.0 | 2318.6 | 2108.4 | 1938.9 | 1728.8 | 1667.7 | 1633.9 | 1661.0 | 1654.2 |
| 120° | 4576.1 | 3884.6 | 3172.8 | 2508.4 | 2291.5 | 2094.9 | 1871.1 | 1810.1 | 1783.0 | 1783.0 | 1789.8 |
| 122.5° | 4589.7 | 3979.5 | 3281.3 | 2677.9 | 2460.9 | 2271.1 | 2040.6 | 1952.5 | 1925.4 | 1932.1 | 1932.1 |
| 125° | 4542.2 | 3966.0 | 3383.0 | 2813.5 | 2603.3 | 2413.5 | 2176.2 | 2101.6 | 2040.6 | 2067.7 | 2074.5 |
| 127.5° | 4467.7 | 3932.1 | 3444.0 | 2921.9 | 2732.1 | 2562.6 | 2345.7 | 2257.6 | 2203.3 | 2216.9 | 2210.1 |
| 130° | 4359.2 | 3891.4 | 3498.2 | 3016.9 | 2854.2 | 2684.7 | 2494.8 | 2413.5 | 2338.9 | 2345.7 | 2352.5 |
| 132.5° | 4250.7 | 3877.9 | 3525.3 | 3091.4 | 2955.8 | 2813.5 | 2623.7 | 2542.3 | 2474.5 | 2481.3 | 2481.3 |
| 135° | 4135.5 | 3844.0 | 3491.4 | 3138.9 | 3071.1 | 2921.9 | 2766.0 | 2677.9 | 2623.7 | 2623.7 | 2610.1 |
| 137.5° | 4013.4 | 3762.6 | 3518.5 | 3233.8 | 3138.9 | 3016.9 | 2860.9 | 2793.1 | 2738.9 | 2732.1 | 2725.3 |
| 140° | 3905.0 | 3674.5 | 3484.6 | 3254.1 | 3186.3 | 3091.4 | 2962.6 | 2908.4 | 2833.8 | 2820.3 | 2860.9 |
| 142.5° | 3796.5 | 3633.8 | 3518.5 | 3301.6 | 3233.8 | 3152.4 | 3057.5 | 2983.0 | 2928.7 | 2915.2 | 2908.4 |
| 145° | 3688.0 | 3593.1 | 3464.3 | 3288.0 | 3260.9 | 3179.6 | 3077.9 | 3057.5 | 2996.5 | 2983.0 | 2983.0 |
| 147.5° | 3579.6 | 3498.2 | 3403.3 | 3281.3 | 3281.3 | 3213.5 | 3166.0 | 3105.0 | 3057.5 | 3030.4 | 3030.4 |
| 150° | 3484.6 | 3416.8 | 3369.4 | 3274.5 | 3267.7 | 3213.5 | 3172.8 | 3145.7 | 3091.4 | 3077.9 | 3071.1 |
| 152.5° | 3396.5 | 3335.5 | 3294.8 | 3233.8 | 3227.0 | 3152.4 | 3166.0 | 3138.9 | 3084.7 | 3071.1 | 3071.1 |
| 155° | 3288.0 | 3281.3 | 3233.8 | 3172.8 | 3199.9 | 3159.2 | 3125.3 | 3159.2 | 3077.9 | 3091.4 | 3091.4 |
| 157.5° | 3213.5 | 3206.7 | 3199.9 | 3138.9 | 3145.7 | 3125.3 | 3105.0 | 3132.1 | 3064.3 | 3071.1 | 3071.1 |
| 160° | 3132.1 | 3118.6 | 3118.6 | 3064.3 | 3105.0 | 3064.3 | 3071.1 | 3084.7 | 3044.0 | 3050.8 | 3071.1 |
| 162.5° | 3091.4 | 3064.3 | 3064.3 | 3044.0 | 3057.5 | 3044.0 | 3010.1 | 3057.5 | 3050.8 | 3037.2 | 3044.0 |
| 165° | 3023.6 | 3016.9 | 3030.4 | 2989.7 | 3023.6 | 2983.0 | 2996.5 | 3016.9 | 3003.3 | 3010.1 | 3016.9 |
| 167.5° | 2983.0 | 2976.2 | 2983.0 | 2962.6 | 2983.0 | 2969.4 | 2962.6 | 2989.7 | 2976.2 | 2983.0 | 2989.7 |
| 170° | 2949.1 | 2949.1 | 2955.8 | 2935.5 | 2955.8 | 2935.5 | 2955.8 | 2955.8 | 2949.1 | 2949.1 | 2962.6 |
| 172.5° | 2935.5 | 2915.2 | 2935.5 | 2901.6 | 2935.5 | 2894.8 | 2908.4 | 2928.7 | 2921.9 | 2915.2 | 2915.2 |
| 175° | 2908.4 | 2901.6 | 2921.9 | 2888.1 | 2908.4 | 2888.1 | 2888.1 | 2908.4 | 2901.6 | 2894.8 | 2921.9 |
| 177.5° | 2908.4 | 2888.1 | 2908.4 | 2874.5 | 2894.8 | 2881.3 | 2881.3 | 2901.6 | 2888.1 | 2888.1 | 2908.4 |
| 180° | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 |



TEST NUMBER: P508375

CATALOG NUMBER: ASYX-X-L4-X-U-W-L27-1-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° | 196.6 | 230.5 | 237.3 | 257.6 | 250.8 | 210.2 | 183.0 | 149.1 | 128.8 |
| 95° | 515.2 | 569.5 | 623.7 | 616.9 | 637.3 | 596.6 | 555.9 | 535.6 | 508.5 |
| 97.5° | 691.5 | 779.6 | 833.9 | 833.9 | 840.7 | 813.5 | 800.0 | 813.5 | 779.6 |
| 100° | 976.2 | 1037.3 | 1057.6 | 1050.8 | 1030.5 | 983.0 | 955.9 | 942.3 | 922.0 |
| 102.5° | 1145.7 | 1213.5 | 1233.9 | 1220.3 | 1206.7 | 1186.4 | 1159.3 | 1145.7 | 1138.9 |
| 105° | 1261.0 | 1322.0 | 1349.1 | 1342.3 | 1335.6 | 1301.7 | 1247.4 | 1267.8 | 1261.0 |
| 107.5° | 1369.5 | 1410.1 | 1437.2 | 1416.9 | 1410.1 | 1389.8 | 1355.9 | 1376.2 | 1349.1 |
| 110° | 1437.2 | 1471.1 | 1477.9 | 1477.9 | 1464.4 | 1444.0 | 1416.9 | 1423.7 | 1403.3 |
| 112.5° | 1491.5 | 1511.8 | 1511.8 | 1511.8 | 1498.3 | 1471.1 | 1457.6 | 1444.0 | 1444.0 |
| 115° | 1552.5 | 1538.9 | 1545.7 | 1545.7 | 1532.2 | 1491.5 | 1471.1 | 1457.6 | 1444.0 |
| 117.5° | 1661.0 | 1640.6 | 1620.3 | 1620.3 | 1586.4 | 1559.3 | 1538.9 | 1518.6 | 1498.3 |
| 120° | 1762.7 | 1749.1 | 1735.5 | 1715.2 | 1694.9 | 1661.0 | 1627.1 | 1600.0 | 1586.4 |
| 122.5° | 1898.2 | 1864.4 | 1844.0 | 1857.6 | 1816.9 | 1783.0 | 1742.3 | 1715.2 | 1681.3 |
| 125° | 2047.4 | 2020.3 | 1986.4 | 1972.8 | 1938.9 | 1911.8 | 1877.9 | 1850.8 | 1810.1 |
| 127.5° | 2176.2 | 2135.5 | 2122.0 | 2115.2 | 2074.5 | 2040.6 | 1986.4 | 1966.0 | 1966.0 |
| 130° | 2325.4 | 2277.9 | 2284.7 | 2250.8 | 2216.9 | 2162.6 | 2108.4 | 2108.4 | 2101.6 |
| 132.5° | 2467.7 | 2413.5 | 2406.7 | 2393.1 | 2352.5 | 2311.8 | 2277.9 | 2271.1 | 2244.0 |
| 135° | 2583.0 | 2542.3 | 2535.5 | 2522.0 | 2488.1 | 2447.4 | 2393.1 | 2406.7 | 2352.5 |
| 137.5° | 2684.7 | 2664.3 | 2657.5 | 2630.4 | 2596.5 | 2589.8 | 2528.7 | 2522.0 | 2488.1 |
| 140° | 2799.9 | 2759.2 | 2786.4 | 2752.5 | 2711.8 | 2698.2 | 2616.9 | 2630.4 | 2630.4 |
| 142.5° | 2881.3 | 2860.9 | 2854.2 | 2840.6 | 2813.5 | 2786.4 | 2766.0 | 2738.9 | 2752.5 |
| 145° | 2962.6 | 2949.1 | 2935.5 | 2935.5 | 2894.8 | 2881.3 | 2840.6 | 2840.6 | 2820.3 |
| 147.5° | 3030.4 | 3003.3 | 3003.3 | 2989.7 | 2969.4 | 2955.8 | 2915.2 | 2935.5 | 2901.6 |
| 150° | 3030.4 | 3044.0 | 3030.4 | 3030.4 | 3037.2 | 3030.4 | 2996.5 | 2983.0 | 2989.7 |
| 152.5° | 3084.7 | 3064.3 | 3050.8 | 3077.9 | 3044.0 | 3064.3 | 3016.9 | 3030.4 | 3016.9 |
| 155° | 3057.5 | 3071.1 | 3077.9 | 3064.3 | 3064.3 | 3064.3 | 3044.0 | 3077.9 | 3044.0 |
| 157.5° | 3084.7 | 3071.1 | 3077.9 | 3071.1 | 3057.5 | 3077.9 | 3057.5 | 3084.7 | 3064.3 |
| 160° | 3071.1 | 3057.5 | 3071.1 | 3064.3 | 3050.8 | 3077.9 | 3077.9 | 3098.2 | 3071.1 |
| 162.5° | 3023.6 | 3037.2 | 3071.1 | 3050.8 | 3050.8 | 3098.2 | 3023.6 | 3091.4 | 3050.8 |
| 165° | 3010.1 | 3016.9 | 3030.4 | 3044.0 | 3016.9 | 3037.2 | 3037.2 | 3044.0 | 3023.6 |
| 167.5° | 2996.5 | 2969.4 | 2996.5 | 2996.5 | 3003.3 | 3003.3 | 3003.3 | 3016.9 | 2989.7 |
| 170° | 2969.4 | 2915.2 | 2969.4 | 2969.4 | 2955.8 | 2955.8 | 2949.1 | 2989.7 | 2955.8 |
| 172.5° | 2921.9 | 2908.4 | 2928.7 | 2928.7 | 2942.3 | 2935.5 | 2935.5 | 2942.3 | 2921.9 |
| 175° | 2894.8 | 2901.6 | 2928.7 | 2908.4 | 2901.6 | 2908.4 | 2888.1 | 2908.4 | 2888.1 |
| 177.5° | 2881.3 | 2881.3 | 2888.1 | 2894.8 | 2908.4 | 2894.8 | 2874.5 | 2894.8 | 2874.5 |
| 180° | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 | 2888.1 |

(END OF REPORT)