

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: P508456

Luminaire Tested: **ASYX-X-S3-X-U-W-L30-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508456
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-S3-X-U-W-L30-1-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14905.5 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
CIE Type: Indirect

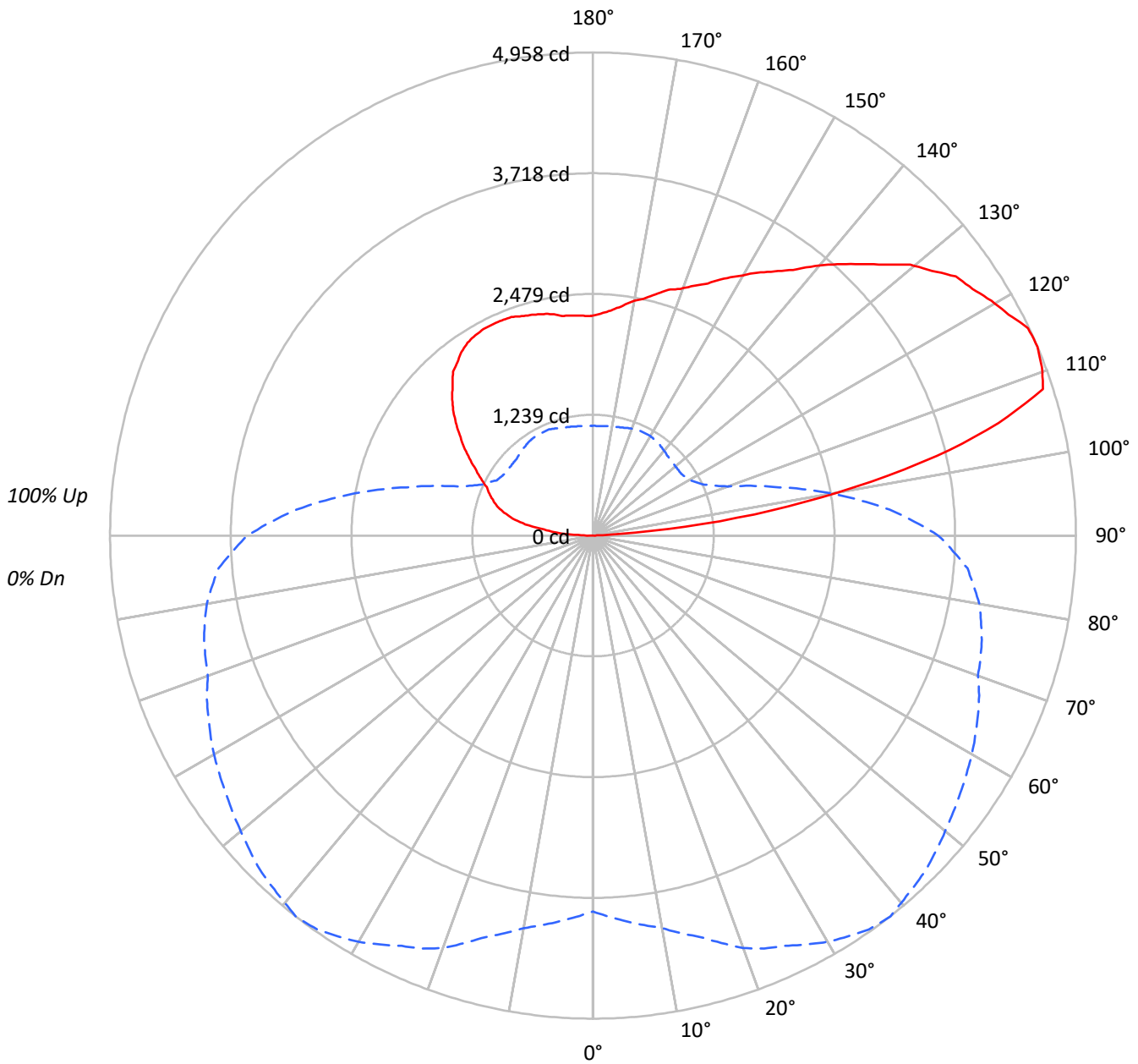
Input Watts (W): 160.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot



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



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-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° | 46124 | 51360 | 65275 |
| 100° | 125817 | 97419 | 59408 |
| 105° | 126030 | 104049 | 54514 |
| 110° | 140397 | 127976 | 45911 |
| 115° | 148087 | 128340 | 38232 |
| 120° | 138823 | 113030 | 35501 |
| 125° | 121278 | 96679 | 35313 |
| 130° | 104326 | 80250 | 36586 |
| 135° | 88508 | 68875 | 37226 |
| 140° | 74270 | 58624 | 38422 |
| 145° | 62788 | 51582 | 38524 |
| 150° | 53432 | 45724 | 38630 |
| 155° | 46789 | 40930 | 37583 |
| 160° | 42140 | 37297 | 36570 |
| 165° | 38639 | 35105 | 35027 |
| 170° | 35895 | 33431 | 33584 |
| 175° | 33582 | 32592 | 32440 |



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-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° | 610.1 | 4.1 |
| 100°-110° | 2208.2 | 14.8 |
| 110°-120° | 2976.8 | 20.0 |
| 120°-130° | 2833.2 | 19.0 |
| 130°-140° | 2360.6 | 15.8 |
| 140°-150° | 1788.3 | 12.0 |
| 150°-160° | 1217.0 | 8.2 |
| 160°-170° | 691.5 | 4.6 |
| 170°-180° | 220.0 | 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° | 5795.1 | 38.9 |
| 90°-150° | 12777.1 | 85.7 |
| 90°-180° | 14906.0 | 100.0 |
| 0°-180° | 14905.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | |
| 95° | 280 | 914 | 312 | 312 | 396 | 498 |
| 105° | 2273 | 4641 | 1876 | 830 | 983 | 2466 |
| 115° | 4361 | 4746 | 3779 | 1200 | 1126 | 4205 |
| 125° | 4847 | 4340 | 3864 | 1612 | 1411 | 4326 |
| 135° | 4361 | 3737 | 3393 | 2046 | 1834 | 3379 |
| 145° | 3584 | 3187 | 2944 | 2326 | 2199 | 2267 |
| 155° | 2955 | 2801 | 2585 | 2410 | 2373 | 1381 |
| 165° | 2600 | 2521 | 2363 | 2347 | 2357 | 742 |
| 175° | 2331 | 2299 | 2262 | 2257 | 2252 | 227 |
| 180° | 2252 | 2252 | 2252 | 2252 | 2252 | |



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-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° | 42.3 | 42.3 | 42.3 | 47.6 | 52.9 | 58.1 | 58.1 | 74.0 | 95.1 | 100.4 | 116.3 |
| 95° | 280.1 | 322.4 | 481.0 | 555.0 | 560.3 | 576.1 | 576.1 | 729.4 | 909.1 | 951.4 | 993.7 |
| 97.5° | 750.6 | 803.4 | 972.6 | 1104.7 | 1295.0 | 1347.8 | 1411.3 | 1538.1 | 1733.7 | 1850.0 | 1908.1 |
| 100° | 1522.3 | 1532.8 | 1622.7 | 1744.3 | 1950.4 | 2066.7 | 2209.4 | 2558.3 | 2732.7 | 2732.7 | 2669.3 |
| 102.5° | 1929.3 | 1939.8 | 2019.1 | 2135.4 | 2378.5 | 2553.0 | 2716.8 | 3139.7 | 3493.8 | 3626.0 | 3678.8 |
| 105° | 2272.8 | 2309.8 | 2394.4 | 2558.3 | 2854.3 | 3049.8 | 3203.1 | 3684.1 | 4096.4 | 4323.7 | 4498.1 |
| 107.5° | 2711.5 | 2769.7 | 2912.4 | 3102.7 | 3456.8 | 3684.1 | 3879.7 | 4270.8 | 4630.2 | 4857.5 | 4852.2 |
| 110° | 3345.8 | 3377.5 | 3525.5 | 3774.0 | 4080.5 | 4260.2 | 4381.8 | 4656.7 | 4899.8 | 4920.9 | 4931.5 |
| 112.5° | 3858.5 | 3974.8 | 4091.1 | 4265.5 | 4503.4 | 4587.9 | 4646.1 | 4815.2 | 4936.8 | 4957.9 | 4920.9 |
| 115° | 4360.7 | 4402.9 | 4461.1 | 4577.4 | 4688.4 | 4772.9 | 4783.5 | 4873.4 | 4899.8 | 4947.4 | 4862.8 |
| 117.5° | 4672.5 | 4693.7 | 4698.9 | 4741.2 | 4799.4 | 4846.9 | 4836.4 | 4862.8 | 4894.5 | 4831.1 | 4788.8 |
| 120° | 4836.4 | 4857.5 | 4820.5 | 4836.4 | 4852.2 | 4862.8 | 4841.7 | 4852.2 | 4794.1 | 4746.5 | 4698.9 |
| 122.5° | 4899.8 | 4894.5 | 4857.5 | 4857.5 | 4836.4 | 4831.1 | 4788.8 | 4751.8 | 4709.5 | 4646.1 | 4587.9 |
| 125° | 4846.9 | 4868.1 | 4820.5 | 4783.5 | 4735.9 | 4815.2 | 4709.5 | 4672.5 | 4598.5 | 4577.4 | 4466.4 |
| 127.5° | 4778.2 | 4820.5 | 4741.2 | 4704.2 | 4656.7 | 4640.8 | 4577.4 | 4524.5 | 4471.7 | 4413.5 | 4339.5 |
| 130° | 4672.5 | 4688.4 | 4614.4 | 4577.4 | 4529.8 | 4482.2 | 4471.7 | 4355.4 | 4318.4 | 4281.4 | 4180.9 |
| 132.5° | 4566.8 | 4540.4 | 4466.4 | 4418.8 | 4360.7 | 4334.2 | 4307.8 | 4207.4 | 4154.5 | 4075.2 | 4022.4 |
| 135° | 4360.7 | 4365.9 | 4297.2 | 4244.4 | 4165.1 | 4165.1 | 4117.5 | 4043.5 | 3974.8 | 3906.1 | 3837.4 |
| 137.5° | 4165.1 | 4202.1 | 4101.7 | 4054.1 | 4011.8 | 3980.1 | 3916.7 | 3848.0 | 3774.0 | 3747.5 | 3694.7 |
| 140° | 3964.2 | 3969.5 | 3890.2 | 3848.0 | 3816.2 | 3758.1 | 3721.1 | 3657.7 | 3631.2 | 3583.7 | 3509.7 |
| 142.5° | 3789.8 | 3768.7 | 3705.2 | 3657.7 | 3626.0 | 3583.7 | 3562.5 | 3499.1 | 3456.8 | 3414.5 | 3388.1 |
| 145° | 3583.7 | 3578.4 | 3504.4 | 3472.7 | 3446.2 | 3430.4 | 3393.4 | 3345.8 | 3324.7 | 3287.7 | 3287.7 |
| 147.5° | 3409.2 | 3382.8 | 3340.5 | 3303.5 | 3271.8 | 3256.0 | 3256.0 | 3171.4 | 3187.2 | 3182.0 | 3134.4 |
| 150° | 3224.2 | 3219.0 | 3160.8 | 3145.0 | 3118.5 | 3129.1 | 3118.5 | 3081.5 | 3081.5 | 3060.4 | 3028.7 |
| 152.5° | 3076.2 | 3076.2 | 3028.7 | 3018.1 | 3007.5 | 3002.2 | 2981.1 | 2965.2 | 2965.2 | 2960.0 | 2923.0 |
| 155° | 2954.7 | 2954.7 | 2917.7 | 2912.4 | 2896.5 | 2891.3 | 2880.7 | 2864.8 | 2854.3 | 2843.7 | 2812.0 |
| 157.5° | 2854.3 | 2849.0 | 2806.7 | 2812.0 | 2796.1 | 2796.1 | 2790.8 | 2759.1 | 2769.7 | 2764.4 | 2743.3 |
| 160° | 2759.1 | 2753.8 | 2711.5 | 2727.4 | 2716.8 | 2716.8 | 2716.8 | 2695.7 | 2685.1 | 2685.1 | 2637.5 |
| 162.5° | 2674.5 | 2685.1 | 2642.8 | 2637.5 | 2642.8 | 2642.8 | 2621.7 | 2605.8 | 2621.7 | 2637.5 | 2590.0 |
| 165° | 2600.5 | 2590.0 | 2574.1 | 2568.8 | 2558.3 | 2547.7 | 2558.3 | 2547.7 | 2537.1 | 2558.3 | 2542.4 |
| 167.5° | 2526.5 | 2537.1 | 2505.4 | 2494.8 | 2494.8 | 2516.0 | 2500.1 | 2479.0 | 2489.5 | 2484.3 | 2452.5 |
| 170° | 2463.1 | 2473.7 | 2431.4 | 2431.4 | 2431.4 | 2431.4 | 2415.5 | 2399.7 | 2426.1 | 2436.7 | 2399.7 |
| 172.5° | 2399.7 | 2415.5 | 2378.5 | 2373.3 | 2368.0 | 2378.5 | 2368.0 | 2352.1 | 2383.8 | 2368.0 | 2352.1 |
| 175° | 2331.0 | 2357.4 | 2320.4 | 2315.1 | 2325.7 | 2325.7 | 2315.1 | 2304.5 | 2325.7 | 2315.1 | 2304.5 |
| 177.5° | 2299.3 | 2299.3 | 2262.3 | 2267.5 | 2267.5 | 2262.3 | 2278.1 | 2272.8 | 2278.1 | 2278.1 | 2299.3 |
| 180° | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 |



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-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° | 121.6 | 142.7 | 153.3 | 84.6 | 84.6 | 95.1 | 89.9 | 79.3 | 68.7 | 63.4 | 63.4 |
| 95° | 914.4 | 866.8 | 893.3 | 803.4 | 697.7 | 613.1 | 607.8 | 613.1 | 422.9 | 317.1 | 311.9 |
| 97.5° | 1966.3 | 1945.1 | 1781.3 | 1527.6 | 1453.6 | 1458.8 | 1369.0 | 1136.4 | 951.4 | 814.0 | 703.0 |
| 100° | 2558.3 | 2489.5 | 2415.5 | 2468.4 | 2320.4 | 2204.1 | 2040.3 | 1834.1 | 1617.4 | 1432.4 | 1178.7 |
| 102.5° | 3647.1 | 3541.4 | 3271.8 | 2975.8 | 2679.8 | 2574.1 | 2452.5 | 2220.0 | 1992.7 | 1776.0 | 1517.0 |
| 105° | 4640.8 | 4461.1 | 4006.5 | 3583.7 | 3182.0 | 3060.4 | 2901.8 | 2642.8 | 2378.5 | 2161.8 | 1876.4 |
| 107.5° | 4878.7 | 4746.5 | 4492.8 | 4207.4 | 3858.5 | 3657.7 | 3509.7 | 3229.5 | 2981.1 | 2685.1 | 2357.4 |
| 110° | 4899.8 | 4767.7 | 4609.1 | 4413.5 | 4244.4 | 4128.1 | 4033.0 | 3821.5 | 3641.8 | 3382.8 | 3049.8 |
| 112.5° | 4841.7 | 4720.1 | 4603.8 | 4492.8 | 4360.7 | 4291.9 | 4207.4 | 4133.4 | 4027.7 | 3858.5 | 3546.7 |
| 115° | 4746.5 | 4640.8 | 4535.1 | 4439.9 | 4376.5 | 4344.8 | 4302.5 | 4244.4 | 4186.2 | 4059.4 | 3779.2 |
| 117.5° | 4656.7 | 4535.1 | 4439.9 | 4408.2 | 4350.1 | 4302.5 | 4297.2 | 4286.7 | 4249.7 | 4186.2 | 3916.7 |
| 120° | 4566.8 | 4471.7 | 4376.5 | 4307.8 | 4286.7 | 4281.4 | 4281.4 | 4249.7 | 4260.2 | 4207.4 | 3937.8 |
| 122.5° | 4424.1 | 4350.1 | 4270.8 | 4239.1 | 4149.2 | 4170.4 | 4180.9 | 4159.8 | 4202.1 | 4165.1 | 3911.4 |
| 125° | 4339.5 | 4265.5 | 4165.1 | 4117.5 | 4101.7 | 4080.5 | 4101.7 | 4064.7 | 4085.8 | 4059.4 | 3863.8 |
| 127.5° | 4196.8 | 4101.7 | 4048.8 | 4011.8 | 4001.2 | 3927.2 | 3964.2 | 3969.5 | 3974.8 | 3932.5 | 3758.1 |
| 130° | 4043.5 | 3990.7 | 3869.1 | 3885.0 | 3885.0 | 3858.5 | 3863.8 | 3842.7 | 3832.1 | 3795.1 | 3594.2 |
| 132.5° | 3932.5 | 3863.8 | 3784.5 | 3763.4 | 3742.2 | 3737.0 | 3737.0 | 3700.0 | 3700.0 | 3652.4 | 3520.2 |
| 135° | 3737.0 | 3689.4 | 3657.7 | 3636.5 | 3631.2 | 3610.1 | 3610.1 | 3573.1 | 3567.8 | 3525.5 | 3393.4 |
| 137.5° | 3599.5 | 3552.0 | 3525.5 | 3509.7 | 3493.8 | 3456.8 | 3478.0 | 3446.2 | 3414.5 | 3404.0 | 3277.1 |
| 140° | 3462.1 | 3425.1 | 3404.0 | 3377.5 | 3372.2 | 3351.1 | 3351.1 | 3314.1 | 3303.5 | 3256.0 | 3129.1 |
| 142.5° | 3345.8 | 3324.7 | 3282.4 | 3271.8 | 3234.8 | 3240.1 | 3213.7 | 3219.0 | 3176.7 | 3123.8 | 3023.4 |
| 145° | 3187.2 | 3192.5 | 3171.4 | 3150.2 | 3145.0 | 3113.2 | 3118.5 | 3086.8 | 3060.4 | 3023.4 | 2944.1 |
| 147.5° | 3102.7 | 3102.7 | 3071.0 | 3044.5 | 3023.4 | 3018.1 | 2991.7 | 2997.0 | 2954.7 | 2901.8 | 2849.0 |
| 150° | 2991.7 | 2981.1 | 2949.4 | 2933.5 | 2917.7 | 2917.7 | 2891.3 | 2875.4 | 2843.7 | 2827.8 | 2759.1 |
| 152.5° | 2912.4 | 2886.0 | 2870.1 | 2838.4 | 2838.4 | 2812.0 | 2790.8 | 2780.3 | 2753.8 | 2722.1 | 2669.3 |
| 155° | 2801.4 | 2790.8 | 2769.7 | 2764.4 | 2743.3 | 2722.1 | 2685.1 | 2679.8 | 2664.0 | 2632.3 | 2584.7 |
| 157.5° | 2711.5 | 2727.4 | 2695.7 | 2679.8 | 2648.1 | 2642.8 | 2605.8 | 2611.1 | 2579.4 | 2558.3 | 2516.0 |
| 160° | 2669.3 | 2642.8 | 2611.1 | 2605.8 | 2595.3 | 2553.0 | 2547.7 | 2531.8 | 2510.7 | 2494.8 | 2442.0 |
| 162.5° | 2574.1 | 2568.8 | 2553.0 | 2542.4 | 2505.4 | 2505.4 | 2442.0 | 2468.4 | 2452.5 | 2436.7 | 2410.3 |
| 165° | 2521.3 | 2526.5 | 2489.5 | 2479.0 | 2468.4 | 2447.3 | 2431.4 | 2415.5 | 2399.7 | 2389.1 | 2362.7 |
| 167.5° | 2452.5 | 2442.0 | 2431.4 | 2410.3 | 2415.5 | 2399.7 | 2383.8 | 2373.3 | 2362.7 | 2352.1 | 2331.0 |
| 170° | 2394.4 | 2389.1 | 2378.5 | 2362.7 | 2368.0 | 2352.1 | 2352.1 | 2331.0 | 2325.7 | 2320.4 | 2294.0 |
| 172.5° | 2346.8 | 2346.8 | 2336.3 | 2336.3 | 2331.0 | 2315.1 | 2304.5 | 2294.0 | 2294.0 | 2283.4 | 2278.1 |
| 175° | 2299.3 | 2304.5 | 2299.3 | 2294.0 | 2294.0 | 2283.4 | 2283.4 | 2288.7 | 2278.1 | 2278.1 | 2262.3 |
| 177.5° | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2262.3 | 2257.0 | 2262.3 | 2257.0 | 2241.1 |
| 180° | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 |



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-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° | 68.7 | 74.0 | 79.3 | 84.6 | 100.4 | 95.1 | 111.0 | 116.3 | 126.9 | 148.0 | 153.3 |
| 95° | 280.1 | 280.1 | 274.9 | 274.9 | 264.3 | 264.3 | 259.0 | 253.7 | 280.1 | 311.9 | 354.1 |
| 97.5° | 576.1 | 491.6 | 449.3 | 433.4 | 428.1 | 422.9 | 412.3 | 396.4 | 407.0 | 433.4 | 486.3 |
| 100° | 972.6 | 803.4 | 666.0 | 586.7 | 570.9 | 544.4 | 533.9 | 528.6 | 528.6 | 581.4 | 666.0 |
| 102.5° | 1258.0 | 1009.6 | 829.8 | 713.6 | 681.8 | 655.4 | 639.6 | 639.6 | 650.1 | 713.6 | 808.7 |
| 105° | 1591.0 | 1273.8 | 999.0 | 845.7 | 819.3 | 782.3 | 755.8 | 761.1 | 771.7 | 829.8 | 914.4 |
| 107.5° | 1992.7 | 1612.1 | 1284.4 | 1046.6 | 988.4 | 935.6 | 893.3 | 893.3 | 898.6 | 935.6 | 999.0 |
| 110° | 2595.3 | 2103.7 | 1612.1 | 1258.0 | 1162.8 | 1104.7 | 1004.3 | 1004.3 | 999.0 | 1025.4 | 1067.7 |
| 112.5° | 3055.1 | 2484.3 | 1924.0 | 1469.4 | 1337.3 | 1242.1 | 1136.4 | 1104.7 | 1104.7 | 1110.0 | 1136.4 |
| 115° | 3330.0 | 2738.0 | 2140.7 | 1665.0 | 1490.6 | 1374.3 | 1242.1 | 1205.1 | 1189.3 | 1199.8 | 1189.3 |
| 117.5° | 3488.5 | 2891.3 | 2325.7 | 1807.7 | 1643.8 | 1511.7 | 1347.8 | 1300.3 | 1273.8 | 1295.0 | 1289.7 |
| 120° | 3567.8 | 3028.7 | 2473.7 | 1955.7 | 1786.5 | 1633.3 | 1458.8 | 1411.3 | 1390.1 | 1390.1 | 1395.4 |
| 122.5° | 3578.4 | 3102.7 | 2558.3 | 2087.8 | 1918.7 | 1770.7 | 1591.0 | 1522.3 | 1501.1 | 1506.4 | 1506.4 |
| 125° | 3541.4 | 3092.1 | 2637.5 | 2193.5 | 2029.7 | 1881.7 | 1696.7 | 1638.6 | 1591.0 | 1612.1 | 1617.4 |
| 127.5° | 3483.2 | 3065.7 | 2685.1 | 2278.1 | 2130.1 | 1998.0 | 1828.8 | 1760.1 | 1717.8 | 1728.4 | 1723.1 |
| 130° | 3398.7 | 3034.0 | 2727.4 | 2352.1 | 2225.3 | 2093.1 | 1945.1 | 1881.7 | 1823.5 | 1828.8 | 1834.1 |
| 132.5° | 3314.1 | 3023.4 | 2748.5 | 2410.3 | 2304.5 | 2193.5 | 2045.5 | 1982.1 | 1929.3 | 1934.5 | 1934.5 |
| 135° | 3224.2 | 2997.0 | 2722.1 | 2447.3 | 2394.4 | 2278.1 | 2156.5 | 2087.8 | 2045.5 | 2045.5 | 2035.0 |
| 137.5° | 3129.1 | 2933.5 | 2743.3 | 2521.3 | 2447.3 | 2352.1 | 2230.5 | 2177.7 | 2135.4 | 2130.1 | 2124.8 |
| 140° | 3044.5 | 2864.8 | 2716.8 | 2537.1 | 2484.3 | 2410.3 | 2309.8 | 2267.5 | 2209.4 | 2198.8 | 2230.5 |
| 142.5° | 2960.0 | 2833.1 | 2743.3 | 2574.1 | 2521.3 | 2457.8 | 2383.8 | 2325.7 | 2283.4 | 2272.8 | 2267.5 |
| 145° | 2875.4 | 2801.4 | 2701.0 | 2563.5 | 2542.4 | 2479.0 | 2399.7 | 2383.8 | 2336.3 | 2325.7 | 2325.7 |
| 147.5° | 2790.8 | 2727.4 | 2653.4 | 2558.3 | 2558.3 | 2505.4 | 2468.4 | 2420.8 | 2383.8 | 2362.7 | 2362.7 |
| 150° | 2716.8 | 2664.0 | 2627.0 | 2553.0 | 2547.7 | 2505.4 | 2473.7 | 2452.5 | 2410.3 | 2399.7 | 2394.4 |
| 152.5° | 2648.1 | 2600.5 | 2568.8 | 2521.3 | 2516.0 | 2457.8 | 2468.4 | 2447.3 | 2405.0 | 2394.4 | 2394.4 |
| 155° | 2563.5 | 2558.3 | 2521.3 | 2473.7 | 2494.8 | 2463.1 | 2436.7 | 2463.1 | 2399.7 | 2410.3 | 2410.3 |
| 157.5° | 2505.4 | 2500.1 | 2494.8 | 2447.3 | 2452.5 | 2436.7 | 2420.8 | 2442.0 | 2389.1 | 2394.4 | 2394.4 |
| 160° | 2442.0 | 2431.4 | 2431.4 | 2389.1 | 2420.8 | 2389.1 | 2394.4 | 2405.0 | 2373.3 | 2378.5 | 2394.4 |
| 162.5° | 2410.3 | 2389.1 | 2389.1 | 2373.3 | 2383.8 | 2373.3 | 2346.8 | 2383.8 | 2378.5 | 2368.0 | 2373.3 |
| 165° | 2357.4 | 2352.1 | 2362.7 | 2331.0 | 2357.4 | 2325.7 | 2336.3 | 2352.1 | 2341.5 | 2346.8 | 2352.1 |
| 167.5° | 2325.7 | 2320.4 | 2325.7 | 2309.8 | 2325.7 | 2315.1 | 2309.8 | 2331.0 | 2320.4 | 2325.7 | 2331.0 |
| 170° | 2299.3 | 2299.3 | 2304.5 | 2288.7 | 2304.5 | 2288.7 | 2304.5 | 2304.5 | 2299.3 | 2299.3 | 2309.8 |
| 172.5° | 2288.7 | 2272.8 | 2288.7 | 2262.3 | 2288.7 | 2257.0 | 2267.5 | 2283.4 | 2278.1 | 2272.8 | 2272.8 |
| 175° | 2267.5 | 2262.3 | 2278.1 | 2251.7 | 2267.5 | 2251.7 | 2251.7 | 2267.5 | 2262.3 | 2257.0 | 2278.1 |
| 177.5° | 2267.5 | 2251.7 | 2267.5 | 2241.1 | 2257.0 | 2246.4 | 2246.4 | 2262.3 | 2251.7 | 2251.7 | 2267.5 |
| 180° | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 |



TEST NUMBER: P508456

CATALOG NUMBER: ASYX-X-S3-X-U-W-L30-1-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° | 153.3 | 179.7 | 185.0 | 200.9 | 195.6 | 163.9 | 142.7 | 116.3 | 100.4 |
| 95° | 401.7 | 444.0 | 486.3 | 481.0 | 496.9 | 465.1 | 433.4 | 417.6 | 396.4 |
| 97.5° | 539.1 | 607.8 | 650.1 | 650.1 | 655.4 | 634.3 | 623.7 | 634.3 | 607.8 |
| 100° | 761.1 | 808.7 | 824.6 | 819.3 | 803.4 | 766.4 | 745.3 | 734.7 | 718.8 |
| 102.5° | 893.3 | 946.1 | 962.0 | 951.4 | 940.8 | 925.0 | 903.8 | 893.3 | 888.0 |
| 105° | 983.1 | 1030.7 | 1051.8 | 1046.6 | 1041.3 | 1014.8 | 972.6 | 988.4 | 983.1 |
| 107.5° | 1067.7 | 1099.4 | 1120.6 | 1104.7 | 1099.4 | 1083.6 | 1057.1 | 1073.0 | 1051.8 |
| 110° | 1120.6 | 1147.0 | 1152.3 | 1152.3 | 1141.7 | 1125.8 | 1104.7 | 1110.0 | 1094.1 |
| 112.5° | 1162.8 | 1178.7 | 1178.7 | 1178.7 | 1168.1 | 1147.0 | 1136.4 | 1125.8 | 1125.8 |
| 115° | 1210.4 | 1199.8 | 1205.1 | 1205.1 | 1194.6 | 1162.8 | 1147.0 | 1136.4 | 1125.8 |
| 117.5° | 1295.0 | 1279.1 | 1263.3 | 1263.3 | 1236.8 | 1215.7 | 1199.8 | 1184.0 | 1168.1 |
| 120° | 1374.3 | 1363.7 | 1353.1 | 1337.3 | 1321.4 | 1295.0 | 1268.6 | 1247.4 | 1236.8 |
| 122.5° | 1480.0 | 1453.6 | 1437.7 | 1448.3 | 1416.6 | 1390.1 | 1358.4 | 1337.3 | 1310.8 |
| 125° | 1596.3 | 1575.1 | 1548.7 | 1538.1 | 1511.7 | 1490.6 | 1464.1 | 1443.0 | 1411.3 |
| 127.5° | 1696.7 | 1665.0 | 1654.4 | 1649.1 | 1617.4 | 1591.0 | 1548.7 | 1532.8 | 1532.8 |
| 130° | 1813.0 | 1776.0 | 1781.3 | 1754.8 | 1728.4 | 1686.1 | 1643.8 | 1643.8 | 1638.6 |
| 132.5° | 1924.0 | 1881.7 | 1876.4 | 1865.8 | 1834.1 | 1802.4 | 1776.0 | 1770.7 | 1749.6 |
| 135° | 2013.8 | 1982.1 | 1976.8 | 1966.3 | 1939.8 | 1908.1 | 1865.8 | 1876.4 | 1834.1 |
| 137.5° | 2093.1 | 2077.3 | 2072.0 | 2050.8 | 2024.4 | 2019.1 | 1971.5 | 1966.3 | 1939.8 |
| 140° | 2183.0 | 2151.3 | 2172.4 | 2146.0 | 2114.3 | 2103.7 | 2040.3 | 2050.8 | 2050.8 |
| 142.5° | 2246.4 | 2230.5 | 2225.3 | 2214.7 | 2193.5 | 2172.4 | 2156.5 | 2135.4 | 2146.0 |
| 145° | 2309.8 | 2299.3 | 2288.7 | 2288.7 | 2257.0 | 2246.4 | 2214.7 | 2214.7 | 2198.8 |
| 147.5° | 2362.7 | 2341.5 | 2341.5 | 2331.0 | 2315.1 | 2304.5 | 2272.8 | 2288.7 | 2262.3 |
| 150° | 2362.7 | 2373.3 | 2362.7 | 2362.7 | 2368.0 | 2362.7 | 2336.3 | 2325.7 | 2331.0 |
| 152.5° | 2405.0 | 2389.1 | 2378.5 | 2399.7 | 2373.3 | 2389.1 | 2352.1 | 2362.7 | 2352.1 |
| 155° | 2383.8 | 2394.4 | 2399.7 | 2389.1 | 2389.1 | 2389.1 | 2373.3 | 2399.7 | 2373.3 |
| 157.5° | 2405.0 | 2394.4 | 2399.7 | 2394.4 | 2383.8 | 2399.7 | 2383.8 | 2405.0 | 2389.1 |
| 160° | 2394.4 | 2383.8 | 2394.4 | 2389.1 | 2378.5 | 2399.7 | 2399.7 | 2415.5 | 2394.4 |
| 162.5° | 2357.4 | 2368.0 | 2394.4 | 2378.5 | 2378.5 | 2415.5 | 2357.4 | 2410.3 | 2378.5 |
| 165° | 2346.8 | 2352.1 | 2362.7 | 2373.3 | 2352.1 | 2368.0 | 2368.0 | 2373.3 | 2357.4 |
| 167.5° | 2336.3 | 2315.1 | 2336.3 | 2336.3 | 2341.5 | 2341.5 | 2341.5 | 2352.1 | 2331.0 |
| 170° | 2315.1 | 2272.8 | 2315.1 | 2315.1 | 2304.5 | 2304.5 | 2299.3 | 2331.0 | 2304.5 |
| 172.5° | 2278.1 | 2267.5 | 2283.4 | 2283.4 | 2294.0 | 2288.7 | 2288.7 | 2294.0 | 2278.1 |
| 175° | 2257.0 | 2262.3 | 2283.4 | 2267.5 | 2262.3 | 2267.5 | 2251.7 | 2267.5 | 2251.7 |
| 177.5° | 2246.4 | 2246.4 | 2251.7 | 2257.0 | 2267.5 | 2257.0 | 2241.1 | 2257.0 | 2241.1 |
| 180° | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 | 2251.7 |

(END OF REPORT)