

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: P508393

Luminaire Tested: **ASYX-X-L5-X-U-W-L35-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508393
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-L5-X-U-W-L35-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(5) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

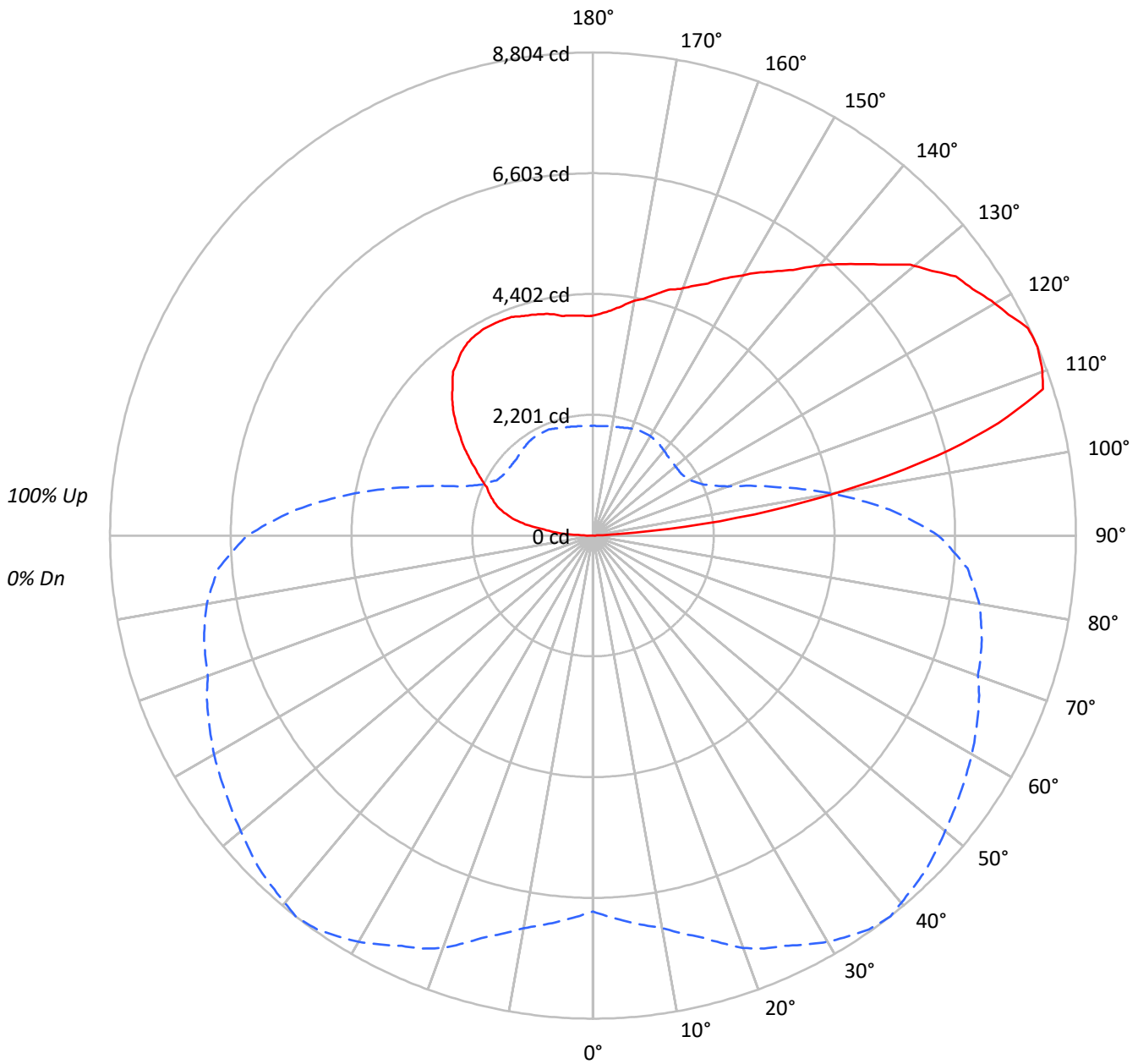
Lumens per Lamp: N/A
Luminaire Lumens: 26468.6 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 270.1
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: P508393
CATALOG NUMBER: ASYX-X-L5-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: P508393

CATALOG NUMBER: ASYX-X-L5-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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 | 10 | 10 | 10 | 0 |
| 1 | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9 | 9 | 8 | 8 | 8 | 8 | 0 |
| 2 | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8 | 7 | 7 | 7 | 7 | 7 | 0 |
| 3 | 72 | 63 | 57 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7 | 6 | 6 | 6 | 6 | 6 | 0 |
| 4 | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6 | 6 | 5 | 5 | 5 | 5 | 0 |
| 5 | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5 | 5 | 4 | 4 | 4 | 4 | 0 |
| 6 | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5 | 4 | 4 | 4 | 4 | 4 | 0 |
| 7 | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4 | 4 | 3 | 3 | 3 | 3 | 0 |
| 8 | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9 | 4 | 3 | 3 | 3 | 3 | 3 | 0 |
| 9 | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9 | 8 | 4 | 3 | 3 | 3 | 3 | 3 | 0 |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8 | 7 | 3 | 3 | 2 | 2 | 2 | 2 | 0 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|------|--------|--------|-------|
| 95° | 40962 | 45597 | 57964 |
| 100° | 111709 | 86497 | 52751 |
| 105° | 111901 | 92382 | 48404 |
| 110° | 124655 | 113627 | 40764 |
| 115° | 131483 | 113951 | 33946 |
| 120° | 123257 | 100357 | 31521 |
| 125° | 107681 | 85840 | 31354 |
| 130° | 92628 | 71253 | 32483 |
| 135° | 78583 | 61152 | 33052 |
| 140° | 65943 | 52051 | 34115 |
| 145° | 55747 | 45798 | 34205 |
| 150° | 47442 | 40598 | 34298 |
| 155° | 41543 | 36341 | 33368 |
| 160° | 37415 | 33114 | 32470 |
| 165° | 34307 | 31169 | 31100 |
| 170° | 31871 | 29682 | 29819 |
| 175° | 29816 | 28937 | 28802 |



TEST NUMBER: P508393

CATALOG NUMBER: ASYX-X-L5-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° | 1083.3 | 4.1 |
| 100°-110° | 3921.3 | 14.8 |
| 110°-120° | 5286.0 | 20.0 |
| 120°-130° | 5031.1 | 19.0 |
| 130°-140° | 4191.8 | 15.8 |
| 140°-150° | 3175.5 | 12.0 |
| 150°-160° | 2161.1 | 8.2 |
| 160°-170° | 1227.9 | 4.6 |
| 170°-180° | 390.6 | 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° | 10290.6 | 38.9 |
| 90°-150° | 22689.0 | 85.7 |
| 90°-180° | 26469.0 | 100.0 |
| 0°-180° | 26468.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | |
| 95° | 498 | 1624 | 554 | 554 | 704 | 885 |
| 105° | 4036 | 8241 | 3332 | 1474 | 1746 | 4378 |
| 115° | 7744 | 8429 | 6711 | 2131 | 1999 | 7466 |
| 125° | 8607 | 7706 | 6861 | 2863 | 2506 | 7682 |
| 135° | 7744 | 6636 | 6026 | 3632 | 3257 | 6000 |
| 145° | 6364 | 5660 | 5228 | 4130 | 3905 | 4026 |
| 155° | 5247 | 4975 | 4590 | 4280 | 4214 | 2451 |
| 165° | 4618 | 4477 | 4196 | 4167 | 4186 | 1318 |
| 175° | 4139 | 4083 | 4017 | 4008 | 3998 | 403 |
| 180° | 3998 | 3998 | 3998 | 3998 | 3998 | |



TEST NUMBER: P508393

CATALOG NUMBER: ASYX-X-L5-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° | 75.1 | 75.1 | 75.1 | 84.5 | 93.9 | 103.2 | 103.2 | 131.4 | 168.9 | 178.3 | 206.5 |
| 95° | 497.5 | 572.5 | 854.1 | 985.5 | 994.9 | 1023.1 | 1023.1 | 1295.3 | 1614.4 | 1689.5 | 1764.6 |
| 97.5° | 1332.8 | 1426.7 | 1727.0 | 1961.7 | 2299.6 | 2393.4 | 2506.1 | 2731.3 | 3078.6 | 3285.1 | 3388.3 |
| 100° | 2703.2 | 2721.9 | 2881.5 | 3097.4 | 3463.4 | 3669.9 | 3923.3 | 4542.8 | 4852.6 | 4852.6 | 4739.9 |
| 102.5° | 3425.9 | 3444.7 | 3585.5 | 3791.9 | 4223.7 | 4533.4 | 4824.4 | 5575.3 | 6204.1 | 6438.8 | 6532.7 |
| 105° | 4036.0 | 4101.7 | 4251.9 | 4542.8 | 5068.4 | 5415.7 | 5687.9 | 6542.0 | 7274.2 | 7677.7 | 7987.5 |
| 107.5° | 4815.0 | 4918.3 | 5171.7 | 5509.6 | 6138.4 | 6542.0 | 6889.3 | 7583.9 | 8222.1 | 8625.7 | 8616.3 |
| 110° | 5941.3 | 5997.7 | 6260.5 | 6701.6 | 7246.0 | 7565.1 | 7781.0 | 8269.1 | 8700.8 | 8738.4 | 8757.1 |
| 112.5° | 6851.8 | 7058.3 | 7264.8 | 7574.5 | 7996.9 | 8147.0 | 8250.3 | 8550.6 | 8766.5 | 8804.1 | 8738.4 |
| 115° | 7743.5 | 7818.5 | 7921.8 | 8128.3 | 8325.4 | 8475.6 | 8494.3 | 8653.9 | 8700.8 | 8785.3 | 8635.1 |
| 117.5° | 8297.2 | 8334.8 | 8344.2 | 8419.2 | 8522.5 | 8607.0 | 8588.2 | 8635.1 | 8691.4 | 8578.8 | 8503.7 |
| 120° | 8588.2 | 8625.7 | 8560.0 | 8588.2 | 8616.3 | 8635.1 | 8597.6 | 8616.3 | 8513.1 | 8428.6 | 8344.2 |
| 122.5° | 8700.8 | 8691.4 | 8625.7 | 8625.7 | 8588.2 | 8578.8 | 8503.7 | 8438.0 | 8362.9 | 8250.3 | 8147.0 |
| 125° | 8607.0 | 8644.5 | 8560.0 | 8494.3 | 8409.9 | 8550.6 | 8362.9 | 8297.2 | 8165.8 | 8128.3 | 7931.2 |
| 127.5° | 8484.9 | 8560.0 | 8419.2 | 8353.5 | 8269.1 | 8240.9 | 8128.3 | 8034.4 | 7940.6 | 7837.3 | 7705.9 |
| 130° | 8297.2 | 8325.4 | 8194.0 | 8128.3 | 8043.8 | 7959.3 | 7940.6 | 7734.1 | 7668.4 | 7602.7 | 7424.3 |
| 132.5° | 8109.5 | 8062.6 | 7931.2 | 7846.7 | 7743.5 | 7696.5 | 7649.6 | 7471.3 | 7377.4 | 7236.6 | 7142.7 |
| 135° | 7743.5 | 7752.8 | 7630.8 | 7537.0 | 7396.2 | 7396.2 | 7311.7 | 7180.3 | 7058.3 | 6936.3 | 6814.2 |
| 137.5° | 7396.2 | 7461.9 | 7283.5 | 7199.1 | 7124.0 | 7067.7 | 6955.0 | 6833.0 | 6701.6 | 6654.7 | 6560.8 |
| 140° | 7039.5 | 7048.9 | 6908.1 | 6833.0 | 6776.7 | 6673.4 | 6607.7 | 6495.1 | 6448.2 | 6363.7 | 6232.3 |
| 142.5° | 6729.8 | 6692.2 | 6579.6 | 6495.1 | 6438.8 | 6363.7 | 6326.2 | 6213.5 | 6138.4 | 6063.4 | 6016.4 |
| 145° | 6363.7 | 6354.3 | 6222.9 | 6166.6 | 6119.7 | 6091.5 | 6025.8 | 5941.3 | 5903.8 | 5838.1 | 5838.1 |
| 147.5° | 6054.0 | 6007.0 | 5932.0 | 5866.3 | 5809.9 | 5781.8 | 5781.8 | 5631.6 | 5659.8 | 5650.4 | 5565.9 |
| 150° | 5725.5 | 5716.1 | 5612.8 | 5584.7 | 5537.7 | 5556.5 | 5537.7 | 5472.0 | 5472.0 | 5434.5 | 5378.2 |
| 152.5° | 5462.7 | 5462.7 | 5378.2 | 5359.4 | 5340.6 | 5331.2 | 5293.7 | 5265.5 | 5265.5 | 5256.2 | 5190.5 |
| 155° | 5246.8 | 5246.8 | 5181.1 | 5171.7 | 5143.5 | 5134.1 | 5115.4 | 5087.2 | 5068.4 | 5049.7 | 4993.4 |
| 157.5° | 5068.4 | 5059.1 | 4984.0 | 4993.4 | 4965.2 | 4965.2 | 4955.8 | 4899.5 | 4918.3 | 4908.9 | 4871.3 |
| 160° | 4899.5 | 4890.1 | 4815.0 | 4843.2 | 4824.4 | 4824.4 | 4824.4 | 4786.9 | 4768.1 | 4768.1 | 4683.6 |
| 162.5° | 4749.3 | 4768.1 | 4693.0 | 4683.6 | 4693.0 | 4693.0 | 4655.5 | 4627.3 | 4655.5 | 4683.6 | 4599.1 |
| 165° | 4617.9 | 4599.1 | 4571.0 | 4561.6 | 4542.8 | 4524.1 | 4542.8 | 4524.1 | 4505.3 | 4542.8 | 4514.7 |
| 167.5° | 4486.5 | 4505.3 | 4449.0 | 4430.2 | 4430.2 | 4467.7 | 4439.6 | 4402.0 | 4420.8 | 4411.4 | 4355.1 |
| 170° | 4373.9 | 4392.6 | 4317.6 | 4317.6 | 4317.6 | 4317.6 | 4289.4 | 4261.2 | 4308.2 | 4326.9 | 4261.2 |
| 172.5° | 4261.2 | 4289.4 | 4223.7 | 4214.3 | 4204.9 | 4223.7 | 4204.9 | 4176.8 | 4233.1 | 4204.9 | 4176.8 |
| 175° | 4139.2 | 4186.2 | 4120.5 | 4111.1 | 4129.8 | 4129.8 | 4111.1 | 4092.3 | 4129.8 | 4111.1 | 4092.3 |
| 177.5° | 4082.9 | 4082.9 | 4017.2 | 4026.6 | 4026.6 | 4017.2 | 4045.4 | 4036.0 | 4045.4 | 4045.4 | 4082.9 |
| 180° | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 |



TEST NUMBER: P508393

CATALOG NUMBER: ASYX-X-L5-X-U-W-L35-1-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° | 215.9 | 253.4 | 272.2 | 150.2 | 150.2 | 168.9 | 159.6 | 140.8 | 122.0 | 112.6 | 112.6 |
| 95° | 1623.8 | 1539.3 | 1586.2 | 1426.7 | 1239.0 | 1088.8 | 1079.4 | 1088.8 | 750.9 | 563.2 | 553.8 |
| 97.5° | 3491.6 | 3454.0 | 3163.1 | 2712.6 | 2581.2 | 2590.5 | 2431.0 | 2018.0 | 1689.5 | 1445.4 | 1248.3 |
| 100° | 4542.8 | 4420.8 | 4289.4 | 4383.3 | 4120.5 | 3914.0 | 3623.0 | 3256.9 | 2872.1 | 2543.6 | 2093.1 |
| 102.5° | 6476.3 | 6288.6 | 5809.9 | 5284.3 | 4758.7 | 4571.0 | 4355.1 | 3942.1 | 3538.5 | 3153.7 | 2693.8 |
| 105° | 8240.9 | 7921.8 | 7114.6 | 6363.7 | 5650.4 | 5434.5 | 5152.9 | 4693.0 | 4223.7 | 3838.9 | 3332.0 |
| 107.5° | 8663.3 | 8428.6 | 7978.1 | 7471.3 | 6851.8 | 6495.1 | 6232.3 | 5734.8 | 5293.7 | 4768.1 | 4186.2 |
| 110° | 8700.8 | 8466.2 | 8184.6 | 7837.3 | 7537.0 | 7330.5 | 7161.5 | 6786.1 | 6467.0 | 6007.0 | 5415.7 |
| 112.5° | 8597.6 | 8381.7 | 8175.2 | 7978.1 | 7743.5 | 7621.4 | 7471.3 | 7339.9 | 7152.1 | 6851.8 | 6298.0 |
| 115° | 8428.6 | 8240.9 | 8053.2 | 7884.2 | 7771.6 | 7715.3 | 7640.2 | 7537.0 | 7433.7 | 7208.4 | 6711.0 |
| 117.5° | 8269.1 | 8053.2 | 7884.2 | 7827.9 | 7724.7 | 7640.2 | 7630.8 | 7612.0 | 7546.3 | 7433.7 | 6955.0 |
| 120° | 8109.5 | 7940.6 | 7771.6 | 7649.6 | 7612.0 | 7602.7 | 7602.7 | 7546.3 | 7565.1 | 7471.3 | 6992.6 |
| 122.5° | 7856.1 | 7724.7 | 7583.9 | 7527.6 | 7368.0 | 7405.6 | 7424.3 | 7386.8 | 7461.9 | 7396.2 | 6945.6 |
| 125° | 7705.9 | 7574.5 | 7396.2 | 7311.7 | 7283.5 | 7246.0 | 7283.5 | 7217.8 | 7255.4 | 7208.4 | 6861.2 |
| 127.5° | 7452.5 | 7283.5 | 7189.7 | 7124.0 | 7105.2 | 6973.8 | 7039.5 | 7048.9 | 7058.3 | 6983.2 | 6673.4 |
| 130° | 7180.3 | 7086.4 | 6870.6 | 6898.7 | 6898.7 | 6851.8 | 6861.2 | 6823.6 | 6804.9 | 6739.1 | 6382.5 |
| 132.5° | 6983.2 | 6861.2 | 6720.4 | 6682.8 | 6645.3 | 6635.9 | 6635.9 | 6570.2 | 6570.2 | 6485.7 | 6251.1 |
| 135° | 6635.9 | 6551.4 | 6495.1 | 6457.6 | 6448.2 | 6410.6 | 6410.6 | 6344.9 | 6335.6 | 6260.5 | 6025.8 |
| 137.5° | 6391.9 | 6307.4 | 6260.5 | 6232.3 | 6204.1 | 6138.4 | 6176.0 | 6119.7 | 6063.4 | 6044.6 | 5819.3 |
| 140° | 6147.8 | 6082.1 | 6044.6 | 5997.7 | 5988.3 | 5950.7 | 5950.7 | 5885.0 | 5866.3 | 5781.8 | 5556.5 |
| 142.5° | 5941.3 | 5903.8 | 5828.7 | 5809.9 | 5744.2 | 5753.6 | 5706.7 | 5716.1 | 5641.0 | 5547.1 | 5368.8 |
| 145° | 5659.8 | 5669.1 | 5631.6 | 5594.1 | 5584.7 | 5528.4 | 5537.7 | 5481.4 | 5434.5 | 5368.8 | 5228.0 |
| 147.5° | 5509.6 | 5509.6 | 5453.3 | 5406.3 | 5368.8 | 5359.4 | 5312.5 | 5321.9 | 5246.8 | 5152.9 | 5059.1 |
| 150° | 5312.5 | 5293.7 | 5237.4 | 5209.2 | 5181.1 | 5181.1 | 5134.1 | 5106.0 | 5049.7 | 5021.5 | 4899.5 |
| 152.5° | 5171.7 | 5124.8 | 5096.6 | 5040.3 | 5040.3 | 4993.4 | 4955.8 | 4937.0 | 4890.1 | 4833.8 | 4739.9 |
| 155° | 4974.6 | 4955.8 | 4918.3 | 4908.9 | 4871.3 | 4833.8 | 4768.1 | 4758.7 | 4730.5 | 4674.2 | 4589.8 |
| 157.5° | 4815.0 | 4843.2 | 4786.9 | 4758.7 | 4702.4 | 4693.0 | 4627.3 | 4636.7 | 4580.4 | 4542.8 | 4467.7 |
| 160° | 4739.9 | 4693.0 | 4636.7 | 4627.3 | 4608.5 | 4533.4 | 4524.1 | 4495.9 | 4458.4 | 4430.2 | 4336.3 |
| 162.5° | 4571.0 | 4561.6 | 4533.4 | 4514.7 | 4449.0 | 4449.0 | 4336.3 | 4383.3 | 4355.1 | 4326.9 | 4280.0 |
| 165° | 4477.1 | 4486.5 | 4420.8 | 4402.0 | 4383.3 | 4345.7 | 4317.6 | 4289.4 | 4261.2 | 4242.5 | 4195.5 |
| 167.5° | 4355.1 | 4336.3 | 4317.6 | 4280.0 | 4289.4 | 4261.2 | 4233.1 | 4214.3 | 4195.5 | 4176.8 | 4139.2 |
| 170° | 4251.9 | 4242.5 | 4223.7 | 4195.5 | 4204.9 | 4176.8 | 4176.8 | 4139.2 | 4129.8 | 4120.5 | 4073.5 |
| 172.5° | 4167.4 | 4167.4 | 4148.6 | 4148.6 | 4139.2 | 4111.1 | 4092.3 | 4073.5 | 4073.5 | 4054.8 | 4045.4 |
| 175° | 4082.9 | 4092.3 | 4082.9 | 4073.5 | 4073.5 | 4054.8 | 4054.8 | 4064.1 | 4045.4 | 4045.4 | 4017.2 |
| 177.5° | 4017.2 | 4017.2 | 4017.2 | 4017.2 | 4017.2 | 4017.2 | 4017.2 | 4007.8 | 4017.2 | 4007.8 | 3979.7 |
| 180° | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 |



TEST NUMBER: P508393

CATALOG NUMBER: ASYX-X-L5-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° | 122.0 | 131.4 | 140.8 | 150.2 | 178.3 | 168.9 | 197.1 | 206.5 | 225.3 | 262.8 | 272.2 |
| 95° | 497.5 | 497.5 | 488.1 | 488.1 | 469.3 | 469.3 | 459.9 | 450.5 | 497.5 | 553.8 | 628.9 |
| 97.5° | 1023.1 | 872.9 | 797.8 | 769.7 | 760.3 | 750.9 | 732.1 | 704.0 | 722.7 | 769.7 | 863.5 |
| 100° | 1727.0 | 1426.7 | 1182.6 | 1041.8 | 1013.7 | 966.8 | 948.0 | 938.6 | 938.6 | 1032.5 | 1182.6 |
| 102.5° | 2233.9 | 1792.7 | 1473.6 | 1267.1 | 1210.8 | 1163.9 | 1135.7 | 1135.7 | 1154.5 | 1267.1 | 1436.1 |
| 105° | 2825.2 | 2262.0 | 1774.0 | 1501.8 | 1454.8 | 1389.1 | 1342.2 | 1351.6 | 1370.4 | 1473.6 | 1623.8 |
| 107.5° | 3538.5 | 2862.7 | 2280.8 | 1858.4 | 1755.2 | 1661.3 | 1586.2 | 1586.2 | 1595.6 | 1661.3 | 1774.0 |
| 110° | 4608.5 | 3735.6 | 2862.7 | 2233.9 | 2064.9 | 1961.7 | 1783.3 | 1783.3 | 1774.0 | 1820.9 | 1896.0 |
| 112.5° | 5425.1 | 4411.4 | 3416.5 | 2609.3 | 2374.7 | 2205.7 | 2018.0 | 1961.7 | 1961.7 | 1971.1 | 2018.0 |
| 115° | 5913.2 | 4861.9 | 3801.3 | 2956.6 | 2646.9 | 2440.4 | 2205.7 | 2140.0 | 2111.9 | 2130.6 | 2111.9 |
| 117.5° | 6194.8 | 5134.1 | 4129.8 | 3210.0 | 2919.0 | 2684.4 | 2393.4 | 2309.0 | 2262.0 | 2299.6 | 2290.2 |
| 120° | 6335.6 | 5378.2 | 4392.6 | 3472.8 | 3172.5 | 2900.3 | 2590.5 | 2506.1 | 2468.5 | 2468.5 | 2477.9 |
| 122.5° | 6354.3 | 5509.6 | 4542.8 | 3707.5 | 3407.1 | 3144.3 | 2825.2 | 2703.2 | 2665.6 | 2675.0 | 2675.0 |
| 125° | 6288.6 | 5490.8 | 4683.6 | 3895.2 | 3604.2 | 3341.4 | 3012.9 | 2909.7 | 2825.2 | 2862.7 | 2872.1 |
| 127.5° | 6185.4 | 5443.9 | 4768.1 | 4045.4 | 3782.6 | 3547.9 | 3247.6 | 3125.5 | 3050.5 | 3069.2 | 3059.8 |
| 130° | 6035.2 | 5387.6 | 4843.2 | 4176.8 | 3951.5 | 3716.9 | 3454.0 | 3341.4 | 3238.2 | 3247.6 | 3256.9 |
| 132.5° | 5885.0 | 5368.8 | 4880.7 | 4280.0 | 4092.3 | 3895.2 | 3632.4 | 3519.8 | 3425.9 | 3435.3 | 3435.3 |
| 135° | 5725.5 | 5321.9 | 4833.8 | 4345.7 | 4251.9 | 4045.4 | 3829.5 | 3707.5 | 3632.4 | 3632.4 | 3613.6 |
| 137.5° | 5556.5 | 5209.2 | 4871.3 | 4477.1 | 4345.7 | 4176.8 | 3960.9 | 3867.0 | 3791.9 | 3782.6 | 3773.2 |
| 140° | 5406.3 | 5087.2 | 4824.4 | 4505.3 | 4411.4 | 4280.0 | 4101.7 | 4026.6 | 3923.3 | 3904.6 | 3960.9 |
| 142.5° | 5256.2 | 5030.9 | 4871.3 | 4571.0 | 4477.1 | 4364.5 | 4233.1 | 4129.8 | 4054.8 | 4036.0 | 4026.6 |
| 145° | 5106.0 | 4974.6 | 4796.2 | 4552.2 | 4514.7 | 4402.0 | 4261.2 | 4233.1 | 4148.6 | 4129.8 | 4129.8 |
| 147.5° | 4955.8 | 4843.2 | 4711.8 | 4542.8 | 4542.8 | 4449.0 | 4383.3 | 4298.8 | 4233.1 | 4195.5 | 4195.5 |
| 150° | 4824.4 | 4730.5 | 4664.8 | 4533.4 | 4524.1 | 4449.0 | 4392.6 | 4355.1 | 4280.0 | 4261.2 | 4251.9 |
| 152.5° | 4702.4 | 4617.9 | 4561.6 | 4477.1 | 4467.7 | 4364.5 | 4383.3 | 4345.7 | 4270.6 | 4251.9 | 4251.9 |
| 155° | 4552.2 | 4542.8 | 4477.1 | 4392.6 | 4430.2 | 4373.9 | 4326.9 | 4373.9 | 4261.2 | 4280.0 | 4280.0 |
| 157.5° | 4449.0 | 4439.6 | 4430.2 | 4345.7 | 4355.1 | 4326.9 | 4298.8 | 4336.3 | 4242.5 | 4251.9 | 4251.9 |
| 160° | 4336.3 | 4317.6 | 4317.6 | 4242.5 | 4298.8 | 4242.5 | 4251.9 | 4270.6 | 4214.3 | 4223.7 | 4251.9 |
| 162.5° | 4280.0 | 4242.5 | 4242.5 | 4214.3 | 4233.1 | 4214.3 | 4167.4 | 4233.1 | 4223.7 | 4204.9 | 4214.3 |
| 165° | 4186.2 | 4176.8 | 4195.5 | 4139.2 | 4186.2 | 4129.8 | 4148.6 | 4176.8 | 4158.0 | 4167.4 | 4176.8 |
| 167.5° | 4129.8 | 4120.5 | 4129.8 | 4101.7 | 4129.8 | 4111.1 | 4101.7 | 4139.2 | 4120.5 | 4129.8 | 4139.2 |
| 170° | 4082.9 | 4082.9 | 4092.3 | 4064.1 | 4092.3 | 4064.1 | 4092.3 | 4092.3 | 4082.9 | 4082.9 | 4101.7 |
| 172.5° | 4064.1 | 4036.0 | 4064.1 | 4017.2 | 4064.1 | 4007.8 | 4026.6 | 4054.8 | 4045.4 | 4036.0 | 4036.0 |
| 175° | 4026.6 | 4017.2 | 4045.4 | 3998.4 | 4026.6 | 3998.4 | 3998.4 | 4026.6 | 4017.2 | 4007.8 | 4045.4 |
| 177.5° | 4026.6 | 3998.4 | 4026.6 | 3979.7 | 4007.8 | 3989.1 | 3989.1 | 4017.2 | 3998.4 | 3998.4 | 4026.6 |
| 180° | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 |



TEST NUMBER: P508393

CATALOG NUMBER: ASYX-X-L5-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° | 272.2 | 319.1 | 328.5 | 356.7 | 347.3 | 291.0 | 253.4 | 206.5 | 178.3 |
| 95° | 713.3 | 788.4 | 863.5 | 854.1 | 882.3 | 826.0 | 769.7 | 741.5 | 704.0 |
| 97.5° | 957.4 | 1079.4 | 1154.5 | 1154.5 | 1163.9 | 1126.3 | 1107.5 | 1126.3 | 1079.4 |
| 100° | 1351.6 | 1436.1 | 1464.2 | 1454.8 | 1426.7 | 1361.0 | 1323.4 | 1304.7 | 1276.5 |
| 102.5° | 1586.2 | 1680.1 | 1708.3 | 1689.5 | 1670.7 | 1642.6 | 1605.0 | 1586.2 | 1576.8 |
| 105° | 1745.8 | 1830.3 | 1867.8 | 1858.4 | 1849.0 | 1802.1 | 1727.0 | 1755.2 | 1745.8 |
| 107.5° | 1896.0 | 1952.3 | 1989.8 | 1961.7 | 1952.3 | 1924.1 | 1877.2 | 1905.4 | 1867.8 |
| 110° | 1989.8 | 2036.8 | 2046.1 | 2046.1 | 2027.4 | 1999.2 | 1961.7 | 1971.1 | 1942.9 |
| 112.5° | 2064.9 | 2093.1 | 2093.1 | 2093.1 | 2074.3 | 2036.8 | 2018.0 | 1999.2 | 1999.2 |
| 115° | 2149.4 | 2130.6 | 2140.0 | 2140.0 | 2121.2 | 2064.9 | 2036.8 | 2018.0 | 1999.2 |
| 117.5° | 2299.6 | 2271.4 | 2243.3 | 2243.3 | 2196.3 | 2158.8 | 2130.6 | 2102.5 | 2074.3 |
| 120° | 2440.4 | 2421.6 | 2402.8 | 2374.7 | 2346.5 | 2299.6 | 2252.6 | 2215.1 | 2196.3 |
| 122.5° | 2628.1 | 2581.2 | 2553.0 | 2571.8 | 2515.4 | 2468.5 | 2412.2 | 2374.7 | 2327.7 |
| 125° | 2834.6 | 2797.0 | 2750.1 | 2731.3 | 2684.4 | 2646.9 | 2599.9 | 2562.4 | 2506.1 |
| 127.5° | 3012.9 | 2956.6 | 2937.8 | 2928.4 | 2872.1 | 2825.2 | 2750.1 | 2721.9 | 2721.9 |
| 130° | 3219.4 | 3153.7 | 3163.1 | 3116.2 | 3069.2 | 2994.1 | 2919.0 | 2919.0 | 2909.7 |
| 132.5° | 3416.5 | 3341.4 | 3332.0 | 3313.3 | 3256.9 | 3200.6 | 3153.7 | 3144.3 | 3106.8 |
| 135° | 3576.1 | 3519.8 | 3510.4 | 3491.6 | 3444.7 | 3388.3 | 3313.3 | 3332.0 | 3256.9 |
| 137.5° | 3716.9 | 3688.7 | 3679.3 | 3641.8 | 3594.8 | 3585.5 | 3501.0 | 3491.6 | 3444.7 |
| 140° | 3876.4 | 3820.1 | 3857.6 | 3810.7 | 3754.4 | 3735.6 | 3623.0 | 3641.8 | 3641.8 |
| 142.5° | 3989.1 | 3960.9 | 3951.5 | 3932.7 | 3895.2 | 3857.6 | 3829.5 | 3791.9 | 3810.7 |
| 145° | 4101.7 | 4082.9 | 4064.1 | 4064.1 | 4007.8 | 3989.1 | 3932.7 | 3932.7 | 3904.6 |
| 147.5° | 4195.5 | 4158.0 | 4158.0 | 4139.2 | 4111.1 | 4092.3 | 4036.0 | 4064.1 | 4017.2 |
| 150° | 4195.5 | 4214.3 | 4195.5 | 4195.5 | 4204.9 | 4195.5 | 4148.6 | 4129.8 | 4139.2 |
| 152.5° | 4270.6 | 4242.5 | 4223.7 | 4261.2 | 4214.3 | 4242.5 | 4176.8 | 4195.5 | 4176.8 |
| 155° | 4233.1 | 4251.9 | 4261.2 | 4242.5 | 4242.5 | 4242.5 | 4214.3 | 4261.2 | 4214.3 |
| 157.5° | 4270.6 | 4251.9 | 4261.2 | 4251.9 | 4233.1 | 4261.2 | 4233.1 | 4270.6 | 4242.5 |
| 160° | 4251.9 | 4233.1 | 4251.9 | 4242.5 | 4223.7 | 4261.2 | 4261.2 | 4289.4 | 4251.9 |
| 162.5° | 4186.2 | 4204.9 | 4251.9 | 4223.7 | 4223.7 | 4289.4 | 4186.2 | 4280.0 | 4223.7 |
| 165° | 4167.4 | 4176.8 | 4195.5 | 4214.3 | 4176.8 | 4204.9 | 4204.9 | 4214.3 | 4186.2 |
| 167.5° | 4148.6 | 4111.1 | 4148.6 | 4148.6 | 4158.0 | 4158.0 | 4158.0 | 4176.8 | 4139.2 |
| 170° | 4111.1 | 4036.0 | 4111.1 | 4111.1 | 4092.3 | 4092.3 | 4082.9 | 4139.2 | 4092.3 |
| 172.5° | 4045.4 | 4026.6 | 4054.8 | 4054.8 | 4073.5 | 4064.1 | 4064.1 | 4073.5 | 4045.4 |
| 175° | 4007.8 | 4017.2 | 4054.8 | 4026.6 | 4017.2 | 4026.6 | 3998.4 | 4026.6 | 3998.4 |
| 177.5° | 3989.1 | 3989.1 | 3998.4 | 4007.8 | 4026.6 | 4007.8 | 3979.7 | 4007.8 | 3979.7 |
| 180° | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 | 3998.4 |

(END OF REPORT)