

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: P508382

Luminaire Tested: **ASYX-X-L5-X-U-F-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-1)
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-F-L40-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(5) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

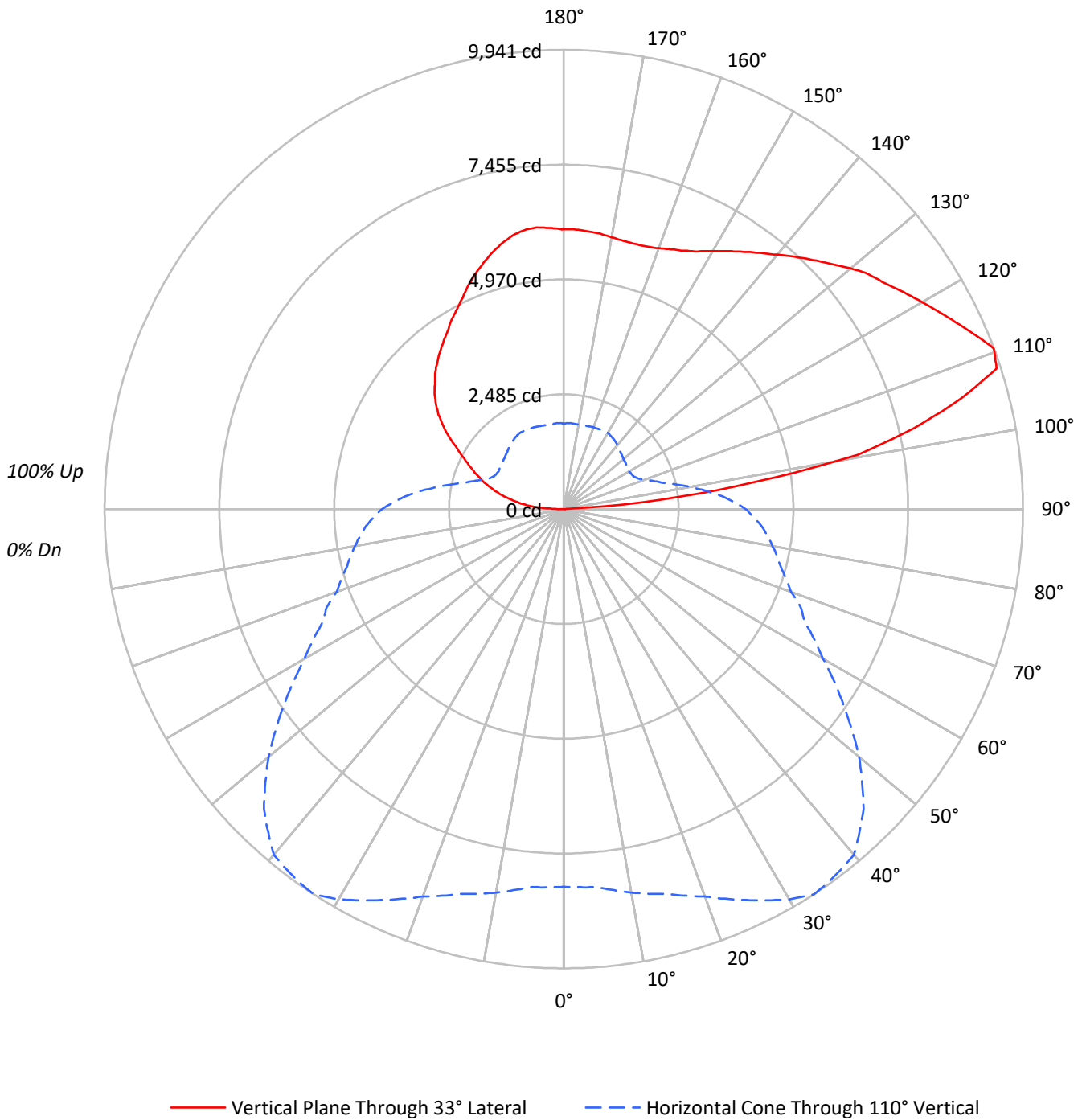
Lumens per Lamp: N/A
Luminaire Lumens: 28765.1 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

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: P508382
CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508382

CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | | | | | 20 | | | | 20 | | | | 20 | | | |
| RC | 80 | | | | | | | | 50 | | | | 30 | | | | 10 | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 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° | 69894 | 26825 | 58515 |
| 100° | 177452 | 57111 | 48135 |
| 105° | 172426 | 63223 | 41053 |
| 110° | 171491 | 82638 | 38937 |
| 115° | 149513 | 93698 | 35702 |
| 120° | 124249 | 92089 | 34427 |
| 125° | 105841 | 85833 | 35074 |
| 130° | 90477 | 78685 | 37028 |
| 135° | 77839 | 72329 | 37467 |
| 140° | 67874 | 66764 | 37359 |
| 145° | 59668 | 61571 | 37617 |
| 150° | 52350 | 57503 | 37626 |
| 155° | 48069 | 53930 | 38142 |
| 160° | 44476 | 50281 | 39426 |
| 165° | 42975 | 47595 | 41361 |
| 170° | 42798 | 45460 | 43086 |
| 175° | 43802 | 44016 | 43447 |



TEST NUMBER: P508382

CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-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° | 1044.1 | 3.6 |
| 100°-110° | 3851.1 | 13.4 |
| 110°-120° | 5225.4 | 18.2 |
| 120°-130° | 5202.2 | 18.1 |
| 130°-140° | 4631.2 | 16.1 |
| 140°-150° | 3763.3 | 13.1 |
| 150°-160° | 2763.3 | 9.6 |
| 160°-170° | 1705.2 | 5.9 |
| 170°-180° | 579.4 | 2.0 |
| 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° | 10120.6 | 35.2 |
| 90°-150° | 23717.3 | 82.5 |
| 90°-180° | 28765.0 | 100.0 |
| 0°-180° | 28765.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | |
| 95° | 849 | 1254 | 326 | 494 | 711 | 1406 |
| 105° | 6219 | 8351 | 2280 | 1342 | 1481 | 6619 |
| 115° | 8805 | 9062 | 5518 | 2142 | 2103 | 8610 |
| 125° | 8460 | 8460 | 6861 | 3040 | 2804 | 7561 |
| 135° | 7670 | 7700 | 7127 | 3840 | 3692 | 5975 |
| 145° | 6811 | 6831 | 7028 | 4551 | 4294 | 4284 |
| 155° | 6071 | 6278 | 6811 | 5340 | 4817 | 2802 |
| 165° | 5785 | 5992 | 6407 | 5933 | 5568 | 1652 |
| 175° | 6081 | 6022 | 6110 | 6110 | 6032 | 571 |
| 180° | 6061 | 6061 | 6061 | 6061 | 6061 | |



TEST NUMBER: P508382

CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-UNV-X-X-X-STD

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 33° | 35° | 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° | 49.4 | 49.4 | 49.4 | 59.2 | 69.1 | 69.1 | 88.8 | 98.7 | 88.8 | 128.3 | 148.1 |
| 95° | 848.9 | 977.3 | 1401.8 | 1668.3 | 1648.5 | 1559.7 | 1658.4 | 1944.7 | 2092.8 | 1905.2 | 1618.9 |
| 97.5° | 2132.2 | 2211.2 | 3089.8 | 3504.4 | 3869.6 | 4047.3 | 4205.3 | 4076.9 | 4146.0 | 4106.5 | 3741.3 |
| 100° | 4294.1 | 4550.8 | 4856.8 | 5281.2 | 5804.4 | 6179.6 | 6465.8 | 6692.9 | 6475.7 | 6130.2 | 5123.3 |
| 102.5° | 5498.4 | 5587.3 | 5794.6 | 6011.7 | 6574.4 | 6850.8 | 7137.1 | 7630.7 | 7778.7 | 7709.6 | 7166.7 |
| 105° | 6219.0 | 6268.4 | 6465.8 | 6791.6 | 7225.9 | 7531.9 | 7887.3 | 8529.0 | 8904.1 | 8943.6 | 8983.1 |
| 107.5° | 7127.2 | 7235.8 | 7472.7 | 7680.0 | 8193.3 | 8548.7 | 8864.6 | 9526.0 | 9851.7 | 9871.5 | 9733.3 |
| 110° | 8173.6 | 8213.1 | 8430.3 | 8627.7 | 8923.8 | 9131.1 | 9338.4 | 9753.0 | 9940.6 | 9911.0 | 9772.8 |
| 112.5° | 8736.3 | 8785.6 | 8864.6 | 8933.7 | 9071.9 | 9160.7 | 9289.1 | 9555.6 | 9664.2 | 9693.8 | 9555.6 |
| 115° | 8805.4 | 8805.4 | 8864.6 | 8874.5 | 9032.4 | 9032.4 | 9091.6 | 9348.3 | 9397.7 | 9437.1 | 9358.2 |
| 117.5° | 8746.1 | 8765.9 | 8805.4 | 8785.6 | 8854.7 | 8953.4 | 8933.7 | 9091.6 | 9150.9 | 9121.3 | 9150.9 |
| 120° | 8657.3 | 8637.6 | 8716.5 | 8677.0 | 8726.4 | 8785.6 | 8746.1 | 8864.6 | 8914.0 | 8894.2 | 8992.9 |
| 122.5° | 8568.5 | 8568.5 | 8598.1 | 8588.2 | 8568.5 | 8548.7 | 8558.6 | 8637.6 | 8686.9 | 8677.0 | 8736.3 |
| 125° | 8459.9 | 8450.0 | 8440.1 | 8400.6 | 8450.0 | 8420.4 | 8371.0 | 8430.3 | 8469.7 | 8450.0 | 8509.2 |
| 127.5° | 8282.2 | 8292.1 | 8272.3 | 8252.6 | 8193.3 | 8183.5 | 8232.8 | 8203.2 | 8301.9 | 8242.7 | 8301.9 |
| 130° | 8104.5 | 8104.5 | 8084.7 | 8045.3 | 8025.5 | 7986.0 | 7976.2 | 7995.9 | 8055.1 | 8074.9 | 7986.0 |
| 132.5° | 7966.3 | 7897.2 | 7847.8 | 7818.2 | 7818.2 | 7778.7 | 7759.0 | 7778.7 | 7808.3 | 7857.7 | 7867.6 |
| 135° | 7670.1 | 7630.7 | 7630.7 | 7591.2 | 7650.4 | 7561.6 | 7541.8 | 7571.4 | 7581.3 | 7581.3 | 7640.5 |
| 137.5° | 7502.3 | 7403.6 | 7364.1 | 7354.3 | 7344.4 | 7314.8 | 7314.8 | 7354.3 | 7364.1 | 7354.3 | 7403.6 |
| 140° | 7245.7 | 7137.1 | 7176.6 | 7127.2 | 7137.1 | 7087.7 | 7107.5 | 7107.5 | 7147.0 | 7147.0 | 7196.3 |
| 142.5° | 7097.6 | 6939.7 | 6919.9 | 6890.3 | 6900.2 | 6880.4 | 6979.1 | 6910.0 | 6949.5 | 7018.6 | 6989.0 |
| 145° | 6811.3 | 6683.0 | 6712.6 | 6683.0 | 6692.9 | 6673.1 | 6722.5 | 6712.6 | 6762.0 | 6752.1 | 6801.5 |
| 147.5° | 6505.3 | 6495.4 | 6505.3 | 6485.6 | 6505.3 | 6485.6 | 6544.8 | 6534.9 | 6584.3 | 6613.9 | 6623.8 |
| 150° | 6317.8 | 6278.3 | 6288.1 | 6307.9 | 6288.1 | 6327.6 | 6327.6 | 6367.1 | 6416.5 | 6426.3 | 6465.8 |
| 152.5° | 6120.3 | 6110.5 | 6159.8 | 6130.2 | 6149.9 | 6149.9 | 6179.6 | 6189.4 | 6258.5 | 6268.4 | 6367.1 |
| 155° | 6071.0 | 5982.1 | 5982.1 | 5972.3 | 6021.6 | 6021.6 | 6061.1 | 6120.3 | 6149.9 | 6199.3 | 6209.2 |
| 157.5° | 5893.3 | 5883.4 | 5883.4 | 5922.9 | 5873.5 | 5932.8 | 6021.6 | 5992.0 | 6071.0 | 6080.8 | 6120.3 |
| 160° | 5824.2 | 5794.6 | 5814.3 | 5834.0 | 5834.0 | 5883.4 | 5952.5 | 5942.6 | 5992.0 | 6051.2 | 6061.1 |
| 162.5° | 5863.7 | 5764.9 | 5774.8 | 5824.2 | 5804.4 | 5873.5 | 5883.4 | 5903.2 | 5952.5 | 5972.3 | 6031.5 |
| 165° | 5784.7 | 5755.1 | 5735.3 | 5755.1 | 5814.3 | 5843.9 | 5873.5 | 5893.3 | 5942.6 | 5952.5 | 5982.1 |
| 167.5° | 5814.3 | 5804.4 | 5804.4 | 5824.2 | 5863.7 | 5863.7 | 5913.0 | 5903.2 | 5952.5 | 5952.5 | 5972.3 |
| 170° | 5873.5 | 5843.9 | 5863.7 | 5903.2 | 5834.0 | 5942.6 | 5932.8 | 5903.2 | 5982.1 | 5982.1 | 6011.7 |
| 172.5° | 5952.5 | 5922.9 | 5932.8 | 5932.8 | 5932.8 | 5992.0 | 6001.9 | 6011.7 | 6021.6 | 6011.7 | 6011.7 |
| 175° | 6080.8 | 6001.9 | 5992.0 | 5992.0 | 6011.7 | 6011.7 | 6031.5 | 5982.1 | 6041.4 | 6041.4 | 6031.5 |
| 177.5° | 6051.2 | 6021.6 | 6071.0 | 6021.6 | 6001.9 | 6041.4 | 6071.0 | 6031.5 | 6061.1 | 6031.5 | 6061.1 |
| 180° | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 |



TEST NUMBER: P508382

CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-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° | 128.3 | 128.3 | 128.3 | 118.5 | 108.6 | 108.6 | 108.6 | 108.6 | 98.7 | 88.8 | 88.8 |
| 95° | 1253.7 | 997.0 | 908.2 | 750.2 | 631.8 | 582.4 | 503.4 | 503.4 | 375.1 | 306.0 | 325.8 |
| 97.5° | 3149.0 | 2448.1 | 1944.7 | 1470.9 | 1401.8 | 1312.9 | 1303.0 | 1105.6 | 977.3 | 888.4 | 770.0 |
| 100° | 4086.8 | 3356.3 | 2912.1 | 2665.3 | 2339.5 | 2191.5 | 2082.9 | 1875.6 | 1747.3 | 1569.6 | 1382.0 |
| 102.5° | 6071.0 | 5044.3 | 4175.6 | 3445.1 | 2951.6 | 2744.3 | 2606.1 | 2388.9 | 2231.0 | 2053.3 | 1816.4 |
| 105° | 8351.3 | 6910.0 | 5458.9 | 4363.2 | 3701.8 | 3435.3 | 3198.4 | 2981.2 | 2773.9 | 2497.5 | 2280.3 |
| 107.5° | 8963.3 | 7916.9 | 6821.2 | 5597.1 | 4679.1 | 4412.6 | 4136.2 | 3770.9 | 3494.5 | 3257.6 | 2882.5 |
| 110° | 9180.5 | 8341.4 | 7393.7 | 6485.6 | 5745.2 | 5557.6 | 5231.9 | 4866.6 | 4590.2 | 4304.0 | 3938.7 |
| 112.5° | 9091.6 | 8568.5 | 7808.3 | 6998.9 | 6396.7 | 6209.2 | 5972.3 | 5745.2 | 5597.1 | 5380.0 | 4896.3 |
| 115° | 9062.0 | 8637.6 | 8104.5 | 7383.9 | 6840.9 | 6633.6 | 6446.1 | 6238.8 | 6199.3 | 6051.2 | 5518.2 |
| 117.5° | 8933.7 | 8647.4 | 8242.7 | 7660.3 | 7176.6 | 7038.4 | 6850.8 | 6683.0 | 6663.3 | 6515.2 | 6051.2 |
| 120° | 8844.9 | 8607.9 | 8262.4 | 7877.4 | 7462.8 | 7314.8 | 7156.8 | 7028.5 | 6969.3 | 6860.7 | 6416.5 |
| 122.5° | 8637.6 | 8548.7 | 8282.2 | 7956.4 | 7581.3 | 7512.2 | 7364.1 | 7147.0 | 7245.7 | 7127.2 | 6702.7 |
| 125° | 8459.9 | 8410.5 | 8341.4 | 7946.5 | 7680.0 | 7591.2 | 7482.6 | 7354.3 | 7383.9 | 7304.9 | 6860.7 |
| 127.5° | 8272.3 | 8262.4 | 8213.1 | 7976.2 | 7729.4 | 7689.9 | 7561.6 | 7462.8 | 7443.1 | 7364.1 | 6969.3 |
| 130° | 8124.2 | 8114.4 | 8045.3 | 7887.3 | 7729.4 | 7719.5 | 7591.2 | 7512.2 | 7502.3 | 7433.2 | 7048.2 |
| 132.5° | 7907.1 | 7907.1 | 7946.5 | 7788.6 | 7689.9 | 7660.3 | 7601.0 | 7502.3 | 7531.9 | 7383.9 | 7087.7 |
| 135° | 7699.8 | 7709.6 | 7739.2 | 7660.3 | 7719.5 | 7610.9 | 7551.7 | 7423.4 | 7482.6 | 7423.4 | 7127.2 |
| 137.5° | 7462.8 | 7492.5 | 7551.7 | 7522.1 | 7551.7 | 7561.6 | 7482.6 | 7453.0 | 7453.0 | 7393.7 | 7117.3 |
| 140° | 7176.6 | 7295.0 | 7403.6 | 7393.7 | 7453.0 | 7443.1 | 7413.5 | 7275.3 | 7403.6 | 7364.1 | 7127.2 |
| 142.5° | 7048.2 | 7117.3 | 7245.7 | 7216.1 | 7344.4 | 7344.4 | 7324.6 | 7314.8 | 7344.4 | 7275.3 | 7087.7 |
| 145° | 6831.1 | 6939.7 | 7038.4 | 7097.6 | 7176.6 | 7255.5 | 7225.9 | 7245.7 | 7255.5 | 7255.5 | 7028.5 |
| 147.5° | 6692.9 | 6811.3 | 6939.7 | 6959.4 | 7097.6 | 7117.3 | 7127.2 | 7156.8 | 7216.1 | 7137.1 | 7048.2 |
| 150° | 6544.8 | 6623.8 | 6771.8 | 6831.1 | 6979.1 | 7008.8 | 6998.9 | 7038.4 | 7137.1 | 7077.9 | 6939.7 |
| 152.5° | 6317.8 | 6485.6 | 6613.9 | 6702.7 | 6811.3 | 6880.4 | 6890.3 | 6890.3 | 6979.1 | 6979.1 | 6900.2 |
| 155° | 6278.3 | 6367.1 | 6485.6 | 6574.4 | 6692.9 | 6762.0 | 6771.8 | 6771.8 | 6860.7 | 6831.1 | 6811.3 |
| 157.5° | 6189.4 | 6307.9 | 6406.6 | 6436.2 | 6584.3 | 6643.5 | 6643.5 | 6663.3 | 6742.2 | 6762.0 | 6692.9 |
| 160° | 6130.2 | 6189.4 | 6307.9 | 6396.7 | 6475.7 | 6544.8 | 6554.7 | 6574.4 | 6623.8 | 6613.9 | 6584.3 |
| 162.5° | 6041.4 | 6130.2 | 6238.8 | 6288.1 | 6377.0 | 6446.1 | 6436.2 | 6436.2 | 6525.1 | 6544.8 | 6505.3 |
| 165° | 5992.0 | 6090.7 | 6219.0 | 6248.7 | 6307.9 | 6347.4 | 6337.5 | 6367.1 | 6446.1 | 6426.3 | 6406.6 |
| 167.5° | 6011.7 | 6061.1 | 6169.7 | 6159.8 | 6228.9 | 6258.5 | 6258.5 | 6238.8 | 6288.1 | 6219.0 | 6278.3 |
| 170° | 6041.4 | 6041.4 | 6100.6 | 6120.3 | 6179.6 | 6209.2 | 6179.6 | 6179.6 | 6209.2 | 6228.9 | 6238.8 |
| 172.5° | 6051.2 | 6041.4 | 6090.7 | 6080.8 | 6100.6 | 6149.9 | 6120.3 | 6080.8 | 6140.1 | 6179.6 | 6130.2 |
| 175° | 6021.6 | 6031.5 | 6110.5 | 6090.7 | 6061.1 | 6110.5 | 6061.1 | 6051.2 | 6140.1 | 6130.2 | 6110.5 |
| 177.5° | 5992.0 | 5992.0 | 6041.4 | 6001.9 | 6071.0 | 6071.0 | 6021.6 | 6021.6 | 6120.3 | 6051.2 | 6031.5 |
| 180° | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 |



TEST NUMBER: P508382

CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-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° | 98.7 | 108.6 | 118.5 | 138.2 | 148.1 | 157.9 | 177.7 | 197.4 | 227.0 | 227.0 | 266.5 |
| 95° | 315.9 | 325.8 | 325.8 | 345.5 | 355.4 | 355.4 | 365.2 | 404.7 | 444.2 | 493.6 | 582.4 |
| 97.5° | 671.3 | 592.3 | 572.5 | 572.5 | 582.4 | 582.4 | 592.3 | 612.0 | 641.6 | 700.9 | 789.7 |
| 100° | 1184.6 | 1006.9 | 878.6 | 809.5 | 789.7 | 779.8 | 789.7 | 789.7 | 839.1 | 918.0 | 1016.8 |
| 102.5° | 1549.8 | 1312.9 | 1095.7 | 997.0 | 957.5 | 967.4 | 957.5 | 977.3 | 1046.4 | 1115.5 | 1224.1 |
| 105° | 1954.6 | 1648.5 | 1372.1 | 1224.1 | 1164.8 | 1155.0 | 1155.0 | 1174.7 | 1253.7 | 1342.5 | 1421.5 |
| 107.5° | 2507.4 | 2122.4 | 1717.6 | 1500.5 | 1411.6 | 1391.9 | 1391.9 | 1421.5 | 1470.9 | 1530.1 | 1618.9 |
| 110° | 3395.8 | 2764.0 | 2201.3 | 1855.8 | 1737.4 | 1668.3 | 1628.8 | 1658.4 | 1688.0 | 1737.4 | 1806.5 |
| 112.5° | 4225.0 | 3445.1 | 2704.8 | 2181.6 | 2023.7 | 1915.1 | 1855.8 | 1855.8 | 1895.3 | 1934.8 | 1984.2 |
| 115° | 4797.5 | 3928.9 | 3129.3 | 2517.2 | 2290.2 | 2191.5 | 2063.1 | 2073.0 | 2102.6 | 2142.1 | 2171.7 |
| 117.5° | 5310.9 | 4382.9 | 3484.6 | 2833.1 | 2576.5 | 2418.5 | 2290.2 | 2260.6 | 2319.8 | 2369.2 | 2388.9 |
| 120° | 5676.1 | 4777.8 | 3840.0 | 3158.9 | 2862.7 | 2685.0 | 2507.4 | 2477.7 | 2537.0 | 2546.8 | 2645.6 |
| 122.5° | 5982.1 | 5064.1 | 4146.0 | 3445.1 | 3129.3 | 2981.2 | 2764.0 | 2724.5 | 2764.0 | 2833.1 | 2912.1 |
| 125° | 6179.6 | 5320.7 | 4422.4 | 3711.7 | 3415.5 | 3218.1 | 2991.1 | 2961.4 | 2991.1 | 3040.4 | 3129.3 |
| 127.5° | 6337.5 | 5528.0 | 4689.0 | 3988.1 | 3642.6 | 3484.6 | 3257.6 | 3198.4 | 3237.8 | 3257.6 | 3356.3 |
| 130° | 6456.0 | 5764.9 | 4935.7 | 4254.6 | 3948.6 | 3790.7 | 3484.6 | 3425.4 | 3445.1 | 3494.5 | 3543.9 |
| 132.5° | 6574.4 | 5913.0 | 5182.5 | 4531.0 | 4234.9 | 4057.2 | 3761.0 | 3632.7 | 3642.6 | 3682.1 | 3731.4 |
| 135° | 6653.4 | 6071.0 | 5439.2 | 4807.4 | 4481.7 | 4343.5 | 4027.6 | 3899.2 | 3849.9 | 3840.0 | 3899.2 |
| 137.5° | 6732.4 | 6219.0 | 5636.6 | 5064.1 | 4787.7 | 4629.7 | 4254.6 | 4106.5 | 4057.2 | 4047.3 | 4067.1 |
| 140° | 6801.5 | 6347.4 | 5814.3 | 5340.5 | 5064.1 | 4876.5 | 4531.0 | 4343.5 | 4264.5 | 4225.0 | 4244.7 |
| 142.5° | 6831.1 | 6456.0 | 6001.9 | 5636.6 | 5301.0 | 5083.8 | 4797.5 | 4610.0 | 4442.2 | 4392.8 | 4353.3 |
| 145° | 6850.8 | 6623.8 | 6179.6 | 5824.2 | 5567.5 | 5439.2 | 5093.7 | 4846.9 | 4649.5 | 4550.8 | 4531.0 |
| 147.5° | 6850.8 | 6613.9 | 6298.0 | 5982.1 | 5764.9 | 5626.7 | 5251.6 | 5093.7 | 4935.7 | 4767.9 | 4689.0 |
| 150° | 6831.1 | 6722.5 | 6386.9 | 6140.1 | 5913.0 | 5804.4 | 5537.9 | 5241.8 | 5073.9 | 4955.5 | 4866.6 |
| 152.5° | 6781.7 | 6633.6 | 6436.2 | 6219.0 | 6051.2 | 5982.1 | 5676.1 | 5488.5 | 5310.9 | 5133.2 | 5064.1 |
| 155° | 6732.4 | 6613.9 | 6465.8 | 6288.1 | 6149.9 | 6061.1 | 5843.9 | 5656.4 | 5528.0 | 5340.5 | 5271.4 |
| 157.5° | 6673.1 | 6594.2 | 6465.8 | 6367.1 | 6209.2 | 6149.9 | 5932.8 | 5804.4 | 5695.8 | 5508.3 | 5419.4 |
| 160° | 6584.3 | 6534.9 | 6456.0 | 6317.8 | 6248.7 | 6199.3 | 6021.6 | 5922.9 | 5814.3 | 5676.1 | 5607.0 |
| 162.5° | 6495.4 | 6505.3 | 6406.6 | 6377.0 | 6268.4 | 6228.9 | 6110.5 | 6001.9 | 5893.3 | 5814.3 | 5755.1 |
| 165° | 6426.3 | 6465.8 | 6367.1 | 6268.4 | 6268.4 | 6248.7 | 6120.3 | 6071.0 | 6021.6 | 5932.8 | 5863.7 |
| 167.5° | 6298.0 | 6347.4 | 6347.4 | 6228.9 | 6219.0 | 6248.7 | 6169.7 | 6120.3 | 6080.8 | 6011.7 | 5972.3 |
| 170° | 6278.3 | 6278.3 | 6209.2 | 6219.0 | 6248.7 | 6179.6 | 6130.2 | 6120.3 | 6120.3 | 6080.8 | 6051.2 |
| 172.5° | 6159.8 | 6219.0 | 6189.4 | 6169.7 | 6140.1 | 6140.1 | 6110.5 | 6120.3 | 6100.6 | 6110.5 | 6100.6 |
| 175° | 6120.3 | 6130.2 | 6140.1 | 6130.2 | 6100.6 | 6100.6 | 6090.7 | 6100.6 | 6110.5 | 6110.5 | 6090.7 |
| 177.5° | 6061.1 | 6090.7 | 6140.1 | 6090.7 | 6110.5 | 6071.0 | 6061.1 | 6080.8 | 6080.8 | 6090.7 | 6071.0 |
| 180° | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 |



TEST NUMBER: P508382

CATALOG NUMBER: ASYX-X-L5-X-U-F-L40-1-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° | 296.1 | 315.9 | 325.8 | 335.6 | 345.5 | 315.9 | 315.9 | 286.3 | 266.5 |
| 95° | 631.8 | 681.1 | 681.1 | 681.1 | 710.7 | 730.5 | 720.6 | 710.7 | 710.7 |
| 97.5° | 858.8 | 937.8 | 997.0 | 1006.9 | 1006.9 | 1006.9 | 1016.8 | 1016.8 | 997.0 |
| 100° | 1085.9 | 1125.3 | 1164.8 | 1174.7 | 1164.8 | 1164.8 | 1155.0 | 1174.7 | 1164.8 |
| 102.5° | 1303.0 | 1342.5 | 1352.4 | 1362.3 | 1352.4 | 1342.5 | 1322.8 | 1342.5 | 1303.0 |
| 105° | 1490.6 | 1530.1 | 1520.2 | 1510.3 | 1500.5 | 1480.7 | 1461.0 | 1490.6 | 1480.7 |
| 107.5° | 1697.9 | 1707.8 | 1717.6 | 1727.5 | 1688.0 | 1678.2 | 1678.2 | 1697.9 | 1688.0 |
| 110° | 1865.7 | 1905.2 | 1895.3 | 1885.5 | 1885.5 | 1865.7 | 1855.8 | 1865.7 | 1855.8 |
| 112.5° | 2043.4 | 2063.1 | 2053.3 | 2053.3 | 2043.4 | 2013.8 | 1984.2 | 1994.0 | 1984.2 |
| 115° | 2231.0 | 2240.8 | 2231.0 | 2211.2 | 2191.5 | 2171.7 | 2132.2 | 2112.5 | 2102.6 |
| 117.5° | 2428.4 | 2418.5 | 2398.8 | 2388.9 | 2369.2 | 2359.3 | 2300.1 | 2270.4 | 2260.6 |
| 120° | 2655.4 | 2625.8 | 2586.3 | 2576.5 | 2546.8 | 2537.0 | 2458.0 | 2408.6 | 2398.8 |
| 122.5° | 2931.8 | 2882.5 | 2803.5 | 2764.0 | 2754.1 | 2724.5 | 2625.8 | 2606.1 | 2576.5 |
| 125° | 3168.7 | 3149.0 | 3099.6 | 3070.0 | 3030.5 | 2941.7 | 2833.1 | 2783.8 | 2803.5 |
| 127.5° | 3395.8 | 3385.9 | 3366.2 | 3326.7 | 3277.3 | 3237.8 | 3149.0 | 3070.0 | 3050.3 |
| 130° | 3583.4 | 3593.2 | 3563.6 | 3534.0 | 3504.4 | 3464.9 | 3366.2 | 3316.8 | 3316.8 |
| 132.5° | 3761.0 | 3770.9 | 3790.7 | 3711.7 | 3691.9 | 3652.5 | 3563.6 | 3504.4 | 3524.1 |
| 135° | 3899.2 | 3919.0 | 3889.4 | 3859.8 | 3840.0 | 3800.5 | 3711.7 | 3682.1 | 3691.9 |
| 137.5° | 4086.8 | 4067.1 | 4037.4 | 4017.7 | 3968.3 | 3958.5 | 3889.4 | 3840.0 | 3820.3 |
| 140° | 4205.3 | 4215.1 | 4215.1 | 4165.8 | 4116.4 | 4096.7 | 4027.6 | 3978.2 | 3988.1 |
| 142.5° | 4363.2 | 4323.7 | 4343.5 | 4294.1 | 4264.5 | 4234.9 | 4146.0 | 4136.2 | 4136.2 |
| 145° | 4481.7 | 4461.9 | 4452.0 | 4412.6 | 4402.7 | 4343.5 | 4313.8 | 4264.5 | 4294.1 |
| 147.5° | 4610.0 | 4610.0 | 4610.0 | 4521.1 | 4501.4 | 4471.8 | 4442.2 | 4402.7 | 4432.3 |
| 150° | 4797.5 | 4728.4 | 4708.7 | 4659.3 | 4619.9 | 4600.1 | 4531.0 | 4511.3 | 4540.9 |
| 152.5° | 4945.6 | 4866.6 | 4807.4 | 4777.8 | 4767.9 | 4738.3 | 4698.8 | 4669.2 | 4669.2 |
| 155° | 5123.3 | 5014.7 | 5014.7 | 4906.1 | 4876.5 | 4856.8 | 4817.3 | 4807.4 | 4817.3 |
| 157.5° | 5310.9 | 5212.1 | 5162.8 | 5103.6 | 5054.2 | 5034.5 | 4985.1 | 4965.4 | 4985.1 |
| 160° | 5449.1 | 5439.2 | 5330.6 | 5301.0 | 5251.6 | 5222.0 | 5212.1 | 5162.8 | 5162.8 |
| 162.5° | 5666.2 | 5528.0 | 5508.3 | 5478.7 | 5439.2 | 5399.7 | 5380.0 | 5360.2 | 5380.0 |
| 165° | 5784.7 | 5745.2 | 5695.8 | 5656.4 | 5626.7 | 5616.9 | 5557.6 | 5577.4 | 5567.5 |
| 167.5° | 5922.9 | 5893.3 | 5843.9 | 5814.3 | 5824.2 | 5784.7 | 5784.7 | 5735.3 | 5745.2 |
| 170° | 6021.6 | 6041.4 | 5982.1 | 5952.5 | 5932.8 | 5932.8 | 5893.3 | 5893.3 | 5913.0 |
| 172.5° | 6090.7 | 6120.3 | 6071.0 | 6051.2 | 6031.5 | 6051.2 | 6011.7 | 6001.9 | 6021.6 |
| 175° | 6110.5 | 6149.9 | 6110.5 | 6100.6 | 6080.8 | 6140.1 | 6071.0 | 6071.0 | 6031.5 |
| 177.5° | 6090.7 | 6100.6 | 6140.1 | 6080.8 | 6080.8 | 6100.6 | 6110.5 | 6031.5 | 6080.8 |
| 180° | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 | 6061.1 |

(END OF REPORT)