

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: P508398

Luminaire Tested: **ASYX-X-L6-X-U-F-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508398
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-L6-X-U-F-L40-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(6) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

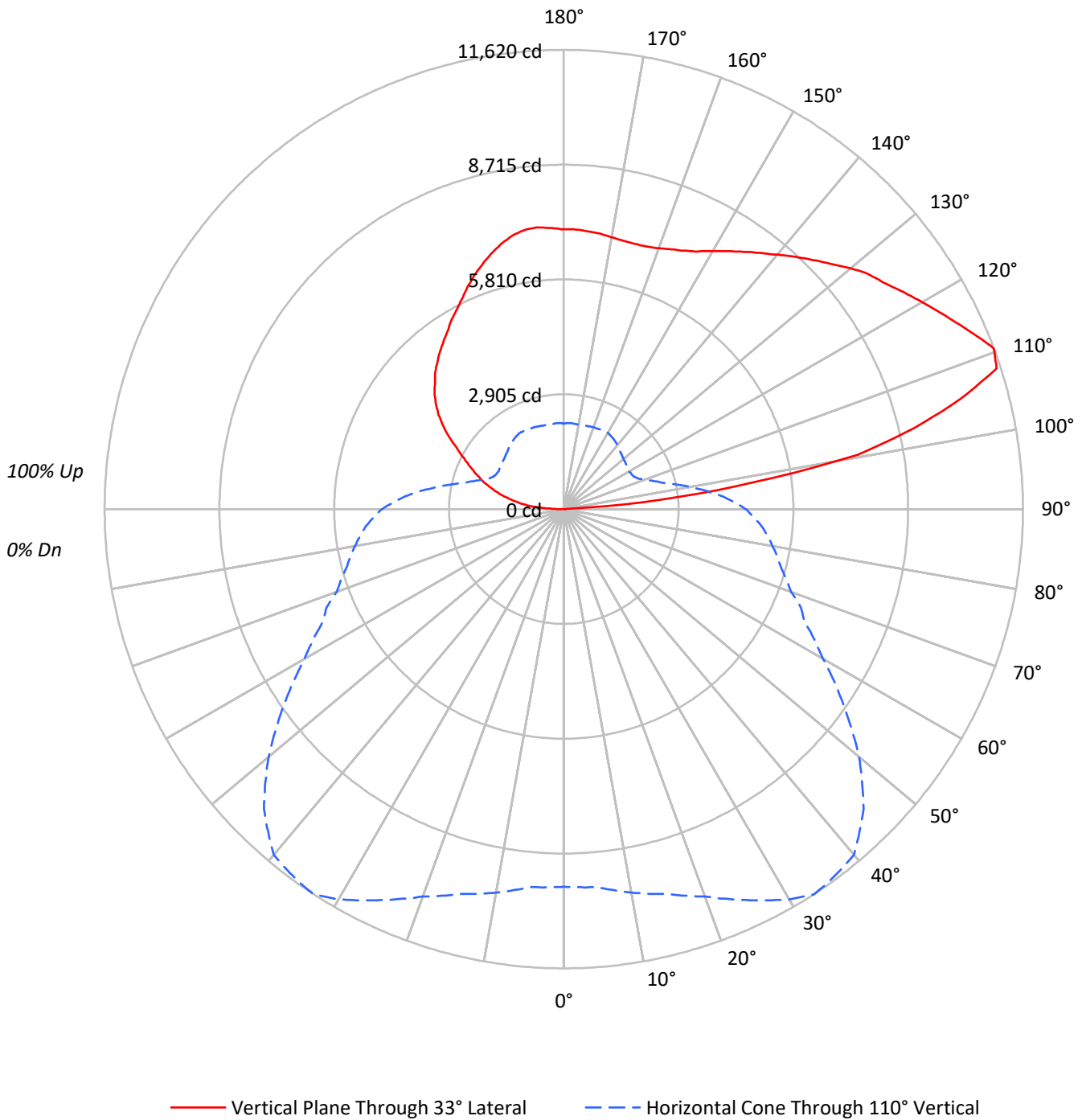
Lumens per Lamp: N/A
Luminaire Lumens: 33623.8 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 320.8
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: P508398
CATALOG NUMBER: ASYX-X-L6-X-U-F-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508398

CATALOG NUMBER: ASYX-X-L6-X-U-F-L40-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|----|
| RF | 20 | | | | | | | | | 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 | 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° | 81701 | 31353 | 68404 |
| 100° | 207425 | 66756 | 56268 |
| 105° | 201552 | 73903 | 47988 |
| 110° | 200457 | 96597 | 45514 |
| 115° | 174767 | 109523 | 41733 |
| 120° | 145235 | 107643 | 40241 |
| 125° | 123718 | 100331 | 40998 |
| 130° | 105759 | 91976 | 43283 |
| 135° | 90987 | 84547 | 43795 |
| 140° | 79338 | 78042 | 43669 |
| 145° | 69747 | 71971 | 43971 |
| 150° | 61192 | 67215 | 43982 |
| 155° | 56188 | 63040 | 44585 |
| 160° | 51988 | 58773 | 46085 |
| 165° | 50234 | 55634 | 48348 |
| 170° | 50027 | 53139 | 50364 |
| 175° | 51201 | 51451 | 50786 |



TEST NUMBER: P508398

CATALOG NUMBER: ASYX-X-L6-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° | 1220.5 | 3.6 |
| 100°-110° | 4501.5 | 13.4 |
| 110°-120° | 6108.0 | 18.2 |
| 120°-130° | 6080.9 | 18.1 |
| 130°-140° | 5413.4 | 16.1 |
| 140°-150° | 4399.0 | 13.1 |
| 150°-160° | 3230.0 | 9.6 |
| 160°-170° | 1993.3 | 5.9 |
| 170°-180° | 677.2 | 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° | 11830.1 | 35.2 |
| 90°-150° | 27723.3 | 82.5 |
| 90°-180° | 33624.0 | 100.0 |
| 0°-180° | 33623.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|-------|-------|------|------|------|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | |
| 95° | 992 | 1465 | 381 | 577 | 831 | 1644 |
| 105° | 7270 | 9762 | 2666 | 1569 | 1731 | 7737 |
| 115° | 10293 | 10593 | 6450 | 2504 | 2458 | 10064 |
| 125° | 9889 | 9889 | 8020 | 3554 | 3277 | 8839 |
| 135° | 8966 | 9000 | 8331 | 4489 | 4316 | 6985 |
| 145° | 7962 | 7985 | 8216 | 5319 | 5019 | 5007 |
| 155° | 7096 | 7339 | 7962 | 6242 | 5631 | 3275 |
| 165° | 6762 | 7004 | 7489 | 6935 | 6508 | 1931 |
| 175° | 7108 | 7039 | 7143 | 7143 | 7050 | 668 |
| 180° | 7085 | 7085 | 7085 | 7085 | 7085 | |



TEST NUMBER: P508398

CATALOG NUMBER: ASYX-X-L6-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° | 57.7 | 57.7 | 57.7 | 69.2 | 80.8 | 80.8 | 103.8 | 115.4 | 103.8 | 150.0 | 173.1 |
| 95° | 992.3 | 1142.3 | 1638.5 | 1950.1 | 1927.0 | 1823.1 | 1938.5 | 2273.2 | 2446.2 | 2227.0 | 1892.4 |
| 97.5° | 2492.4 | 2584.7 | 3611.7 | 4096.3 | 4523.2 | 4730.9 | 4915.6 | 4765.6 | 4846.3 | 4800.2 | 4373.2 |
| 100° | 5019.4 | 5319.4 | 5677.1 | 6173.3 | 6784.9 | 7223.3 | 7558.0 | 7823.4 | 7569.5 | 7165.6 | 5988.7 |
| 102.5° | 6427.2 | 6531.0 | 6773.3 | 7027.2 | 7684.9 | 8008.0 | 8342.6 | 8919.6 | 9092.6 | 9011.9 | 8377.2 |
| 105° | 7269.5 | 7327.2 | 7558.0 | 7938.8 | 8446.5 | 8804.2 | 9219.6 | 9969.6 | 10408.1 | 10454.2 | 10500.4 |
| 107.5° | 8331.1 | 8458.0 | 8734.9 | 8977.2 | 9577.3 | 9992.7 | 10361.9 | 11135.0 | 11515.8 | 11538.9 | 11377.3 |
| 110° | 9554.2 | 9600.3 | 9854.2 | 10085.0 | 10431.1 | 10673.5 | 10915.8 | 11400.4 | 11619.7 | 11585.0 | 11423.5 |
| 112.5° | 10211.9 | 10269.6 | 10361.9 | 10442.7 | 10604.2 | 10708.1 | 10858.1 | 11169.6 | 11296.6 | 11331.2 | 11169.6 |
| 115° | 10292.7 | 10292.7 | 10361.9 | 10373.5 | 10558.1 | 10558.1 | 10627.3 | 10927.3 | 10985.0 | 11031.2 | 10938.9 |
| 117.5° | 10223.4 | 10246.5 | 10292.7 | 10269.6 | 10350.4 | 10465.8 | 10442.7 | 10627.3 | 10696.5 | 10661.9 | 10696.5 |
| 120° | 10119.6 | 10096.5 | 10188.8 | 10142.7 | 10200.4 | 10269.6 | 10223.4 | 10361.9 | 10419.6 | 10396.5 | 10511.9 |
| 122.5° | 10015.7 | 10015.7 | 10050.4 | 10038.8 | 10015.7 | 9992.7 | 10004.2 | 10096.5 | 10154.2 | 10142.7 | 10211.9 |
| 125° | 9888.8 | 9877.3 | 9865.7 | 9819.6 | 9877.3 | 9842.7 | 9785.0 | 9854.2 | 9900.4 | 9877.3 | 9946.5 |
| 127.5° | 9681.1 | 9692.7 | 9669.6 | 9646.5 | 9577.3 | 9565.7 | 9623.4 | 9588.8 | 9704.2 | 9635.0 | 9704.2 |
| 130° | 9473.4 | 9473.4 | 9450.3 | 9404.2 | 9381.1 | 9335.0 | 9323.4 | 9346.5 | 9415.7 | 9438.8 | 9335.0 |
| 132.5° | 9311.9 | 9231.1 | 9173.4 | 9138.8 | 9138.8 | 9092.6 | 9069.6 | 9092.6 | 9127.3 | 9184.9 | 9196.5 |
| 135° | 8965.7 | 8919.6 | 8919.6 | 8873.4 | 8942.6 | 8838.8 | 8815.7 | 8850.3 | 8861.9 | 8861.9 | 8931.1 |
| 137.5° | 8769.6 | 8654.2 | 8608.0 | 8596.5 | 8584.9 | 8550.3 | 8550.3 | 8596.5 | 8608.0 | 8596.5 | 8654.2 |
| 140° | 8469.5 | 8342.6 | 8388.8 | 8331.1 | 8342.6 | 8284.9 | 8308.0 | 8308.0 | 8354.2 | 8354.2 | 8411.8 |
| 142.5° | 8296.5 | 8111.8 | 8088.8 | 8054.1 | 8065.7 | 8042.6 | 8158.0 | 8077.2 | 8123.4 | 8204.1 | 8169.5 |
| 145° | 7961.8 | 7811.8 | 7846.4 | 7811.8 | 7823.4 | 7800.3 | 7858.0 | 7846.4 | 7904.1 | 7892.6 | 7950.3 |
| 147.5° | 7604.1 | 7592.6 | 7604.1 | 7581.0 | 7604.1 | 7581.0 | 7650.3 | 7638.7 | 7696.4 | 7731.1 | 7742.6 |
| 150° | 7384.9 | 7338.7 | 7350.3 | 7373.3 | 7350.3 | 7396.4 | 7396.4 | 7442.6 | 7500.3 | 7511.8 | 7558.0 |
| 152.5° | 7154.1 | 7142.6 | 7200.3 | 7165.6 | 7188.7 | 7188.7 | 7223.3 | 7234.9 | 7315.7 | 7327.2 | 7442.6 |
| 155° | 7096.4 | 6992.6 | 6992.6 | 6981.0 | 7038.7 | 7038.7 | 7084.9 | 7154.1 | 7188.7 | 7246.4 | 7258.0 |
| 157.5° | 6888.7 | 6877.2 | 6877.2 | 6923.3 | 6865.6 | 6934.9 | 7038.7 | 7004.1 | 7096.4 | 7108.0 | 7154.1 |
| 160° | 6807.9 | 6773.3 | 6796.4 | 6819.5 | 6819.5 | 6877.2 | 6957.9 | 6946.4 | 7004.1 | 7073.3 | 7084.9 |
| 162.5° | 6854.1 | 6738.7 | 6750.2 | 6807.9 | 6784.9 | 6865.6 | 6877.2 | 6900.3 | 6957.9 | 6981.0 | 7050.3 |
| 165° | 6761.8 | 6727.2 | 6704.1 | 6727.2 | 6796.4 | 6831.0 | 6865.6 | 6888.7 | 6946.4 | 6957.9 | 6992.6 |
| 167.5° | 6796.4 | 6784.9 | 6784.9 | 6807.9 | 6854.1 | 6854.1 | 6911.8 | 6900.3 | 6957.9 | 6957.9 | 6981.0 |
| 170° | 6865.6 | 6831.0 | 6854.1 | 6900.3 | 6819.5 | 6946.4 | 6934.9 | 6900.3 | 6992.6 | 6992.6 | 7027.2 |
| 172.5° | 6957.9 | 6923.3 | 6934.9 | 6934.9 | 6934.9 | 7004.1 | 7015.6 | 7027.2 | 7038.7 | 7027.2 | 7027.2 |
| 175° | 7108.0 | 7015.6 | 7004.1 | 7004.1 | 7027.2 | 7027.2 | 7050.3 | 6992.6 | 7061.8 | 7061.8 | 7050.3 |
| 177.5° | 7073.3 | 7038.7 | 7096.4 | 7038.7 | 7015.6 | 7061.8 | 7096.4 | 7050.3 | 7084.9 | 7050.3 | 7084.9 |
| 180° | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 |



TEST NUMBER: P508398

CATALOG NUMBER: ASYX-X-L6-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° | 150.0 | 150.0 | 150.0 | 138.5 | 126.9 | 126.9 | 126.9 | 126.9 | 115.4 | 103.8 | 103.8 |
| 95° | 1465.4 | 1165.4 | 1061.6 | 877.0 | 738.5 | 680.8 | 588.5 | 588.5 | 438.5 | 357.7 | 380.8 |
| 97.5° | 3680.9 | 2861.6 | 2273.2 | 1719.3 | 1638.5 | 1534.7 | 1523.1 | 1292.4 | 1142.3 | 1038.5 | 900.0 |
| 100° | 4777.1 | 3923.2 | 3404.0 | 3115.5 | 2734.7 | 2561.6 | 2434.7 | 2192.4 | 2042.4 | 1834.7 | 1615.4 |
| 102.5° | 7096.4 | 5896.4 | 4880.9 | 4027.1 | 3450.1 | 3207.8 | 3046.3 | 2792.4 | 2607.8 | 2400.1 | 2123.2 |
| 105° | 9761.9 | 8077.2 | 6381.0 | 5100.2 | 4327.1 | 4015.5 | 3738.6 | 3484.7 | 3242.4 | 2919.3 | 2665.5 |
| 107.5° | 10477.3 | 9254.2 | 7973.4 | 6542.5 | 5469.4 | 5157.9 | 4834.8 | 4407.9 | 4084.8 | 3807.8 | 3369.4 |
| 110° | 10731.2 | 9750.4 | 8642.6 | 7581.0 | 6715.6 | 6496.4 | 6115.6 | 5688.7 | 5365.6 | 5031.0 | 4604.0 |
| 112.5° | 10627.3 | 10015.7 | 9127.3 | 8181.1 | 7477.2 | 7258.0 | 6981.0 | 6715.6 | 6542.5 | 6288.7 | 5723.3 |
| 115° | 10592.7 | 10096.5 | 9473.4 | 8631.1 | 7996.4 | 7754.1 | 7534.9 | 7292.6 | 7246.4 | 7073.3 | 6450.2 |
| 117.5° | 10442.7 | 10108.1 | 9635.0 | 8954.2 | 8388.8 | 8227.2 | 8008.0 | 7811.8 | 7788.7 | 7615.7 | 7073.3 |
| 120° | 10338.8 | 10061.9 | 9658.0 | 9208.0 | 8723.4 | 8550.3 | 8365.7 | 8215.7 | 8146.5 | 8019.5 | 7500.3 |
| 122.5° | 10096.5 | 9992.7 | 9681.1 | 9300.3 | 8861.9 | 8781.1 | 8608.0 | 8354.2 | 8469.5 | 8331.1 | 7834.9 |
| 125° | 9888.8 | 9831.1 | 9750.4 | 9288.8 | 8977.2 | 8873.4 | 8746.5 | 8596.5 | 8631.1 | 8538.8 | 8019.5 |
| 127.5° | 9669.6 | 9658.0 | 9600.3 | 9323.4 | 9034.9 | 8988.8 | 8838.8 | 8723.4 | 8700.3 | 8608.0 | 8146.5 |
| 130° | 9496.5 | 9485.0 | 9404.2 | 9219.6 | 9034.9 | 9023.4 | 8873.4 | 8781.1 | 8769.6 | 8688.8 | 8238.8 |
| 132.5° | 9242.6 | 9242.6 | 9288.8 | 9104.2 | 8988.8 | 8954.2 | 8884.9 | 8769.6 | 8804.2 | 8631.1 | 8284.9 |
| 135° | 9000.3 | 9011.9 | 9046.5 | 8954.2 | 9023.4 | 8896.5 | 8827.2 | 8677.2 | 8746.5 | 8677.2 | 8331.1 |
| 137.5° | 8723.4 | 8758.0 | 8827.2 | 8792.6 | 8827.2 | 8838.8 | 8746.5 | 8711.9 | 8711.9 | 8642.6 | 8319.5 |
| 140° | 8388.8 | 8527.2 | 8654.2 | 8642.6 | 8711.9 | 8700.3 | 8665.7 | 8504.2 | 8654.2 | 8608.0 | 8331.1 |
| 142.5° | 8238.8 | 8319.5 | 8469.5 | 8434.9 | 8584.9 | 8584.9 | 8561.9 | 8550.3 | 8584.9 | 8504.2 | 8284.9 |
| 145° | 7984.9 | 8111.8 | 8227.2 | 8296.5 | 8388.8 | 8481.1 | 8446.5 | 8469.5 | 8481.1 | 8481.1 | 8215.7 |
| 147.5° | 7823.4 | 7961.8 | 8111.8 | 8134.9 | 8296.5 | 8319.5 | 8331.1 | 8365.7 | 8434.9 | 8342.6 | 8238.8 |
| 150° | 7650.3 | 7742.6 | 7915.7 | 7984.9 | 8158.0 | 8192.6 | 8181.1 | 8227.2 | 8342.6 | 8273.4 | 8111.8 |
| 152.5° | 7384.9 | 7581.0 | 7731.1 | 7834.9 | 7961.8 | 8042.6 | 8054.1 | 8054.1 | 8158.0 | 8158.0 | 8065.7 |
| 155° | 7338.7 | 7442.6 | 7581.0 | 7684.9 | 7823.4 | 7904.1 | 7915.7 | 7915.7 | 8019.5 | 7984.9 | 7961.8 |
| 157.5° | 7234.9 | 7373.3 | 7488.7 | 7523.4 | 7696.4 | 7765.7 | 7765.7 | 7788.7 | 7881.1 | 7904.1 | 7823.4 |
| 160° | 7165.6 | 7234.9 | 7373.3 | 7477.2 | 7569.5 | 7650.3 | 7661.8 | 7684.9 | 7742.6 | 7731.1 | 7696.4 |
| 162.5° | 7061.8 | 7165.6 | 7292.6 | 7350.3 | 7454.1 | 7534.9 | 7523.4 | 7523.4 | 7627.2 | 7650.3 | 7604.1 |
| 165° | 7004.1 | 7119.5 | 7269.5 | 7304.1 | 7373.3 | 7419.5 | 7408.0 | 7442.6 | 7534.9 | 7511.8 | 7488.7 |
| 167.5° | 7027.2 | 7084.9 | 7211.8 | 7200.3 | 7281.0 | 7315.7 | 7315.7 | 7292.6 | 7350.3 | 7269.5 | 7338.7 |
| 170° | 7061.8 | 7061.8 | 7131.0 | 7154.1 | 7223.3 | 7258.0 | 7223.3 | 7223.3 | 7258.0 | 7281.0 | 7292.6 |
| 172.5° | 7073.3 | 7061.8 | 7119.5 | 7108.0 | 7131.0 | 7188.7 | 7154.1 | 7108.0 | 7177.2 | 7223.3 | 7165.6 |
| 175° | 7038.7 | 7050.3 | 7142.6 | 7119.5 | 7084.9 | 7142.6 | 7084.9 | 7073.3 | 7177.2 | 7165.6 | 7142.6 |
| 177.5° | 7004.1 | 7004.1 | 7061.8 | 7015.6 | 7096.4 | 7096.4 | 7038.7 | 7038.7 | 7154.1 | 7073.3 | 7050.3 |
| 180° | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 |



TEST NUMBER: P508398

CATALOG NUMBER: ASYX-X-L6-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° | 115.4 | 126.9 | 138.5 | 161.5 | 173.1 | 184.6 | 207.7 | 230.8 | 265.4 | 265.4 | 311.5 |
| 95° | 369.2 | 380.8 | 380.8 | 403.9 | 415.4 | 415.4 | 426.9 | 473.1 | 519.2 | 576.9 | 680.8 |
| 97.5° | 784.6 | 692.3 | 669.3 | 669.3 | 680.8 | 680.8 | 692.3 | 715.4 | 750.0 | 819.3 | 923.1 |
| 100° | 1384.7 | 1177.0 | 1027.0 | 946.2 | 923.1 | 911.6 | 923.1 | 923.1 | 980.8 | 1073.1 | 1188.5 |
| 102.5° | 1811.6 | 1534.7 | 1280.8 | 1165.4 | 1119.3 | 1130.8 | 1119.3 | 1142.3 | 1223.1 | 1303.9 | 1430.8 |
| 105° | 2284.7 | 1927.0 | 1603.9 | 1430.8 | 1361.6 | 1350.0 | 1350.0 | 1373.1 | 1465.4 | 1569.3 | 1661.6 |
| 107.5° | 2930.9 | 2480.9 | 2007.8 | 1753.9 | 1650.1 | 1627.0 | 1627.0 | 1661.6 | 1719.3 | 1788.5 | 1892.4 |
| 110° | 3969.4 | 3230.9 | 2573.2 | 2169.3 | 2030.8 | 1950.1 | 1903.9 | 1938.5 | 1973.1 | 2030.8 | 2111.6 |
| 112.5° | 4938.6 | 4027.1 | 3161.7 | 2550.1 | 2365.5 | 2238.5 | 2169.3 | 2169.3 | 2215.5 | 2261.6 | 2319.3 |
| 115° | 5607.9 | 4592.5 | 3657.8 | 2942.4 | 2677.0 | 2561.6 | 2411.6 | 2423.2 | 2457.8 | 2503.9 | 2538.6 |
| 117.5° | 6207.9 | 5123.3 | 4073.2 | 3311.7 | 3011.6 | 2827.0 | 2677.0 | 2642.4 | 2711.6 | 2769.3 | 2792.4 |
| 120° | 6634.9 | 5584.8 | 4488.6 | 3692.4 | 3346.3 | 3138.6 | 2930.9 | 2896.3 | 2965.5 | 2977.0 | 3092.4 |
| 122.5° | 6992.6 | 5919.4 | 4846.3 | 4027.1 | 3657.8 | 3484.7 | 3230.9 | 3184.7 | 3230.9 | 3311.7 | 3404.0 |
| 125° | 7223.3 | 6219.5 | 5169.4 | 4338.6 | 3992.5 | 3761.7 | 3496.3 | 3461.7 | 3496.3 | 3554.0 | 3657.8 |
| 127.5° | 7408.0 | 6461.8 | 5481.0 | 4661.7 | 4257.8 | 4073.2 | 3807.8 | 3738.6 | 3784.8 | 3807.8 | 3923.2 |
| 130° | 7546.4 | 6738.7 | 5769.4 | 4973.3 | 4615.6 | 4430.9 | 4073.2 | 4004.0 | 4027.1 | 4084.8 | 4142.5 |
| 132.5° | 7684.9 | 6911.8 | 6057.9 | 5296.3 | 4950.2 | 4742.5 | 4396.3 | 4246.3 | 4257.8 | 4304.0 | 4361.7 |
| 135° | 7777.2 | 7096.4 | 6357.9 | 5619.4 | 5238.7 | 5077.1 | 4707.9 | 4557.9 | 4500.2 | 4488.6 | 4557.9 |
| 137.5° | 7869.5 | 7269.5 | 6588.7 | 5919.4 | 5596.4 | 5411.7 | 4973.3 | 4800.2 | 4742.5 | 4730.9 | 4754.0 |
| 140° | 7950.3 | 7419.5 | 6796.4 | 6242.5 | 5919.4 | 5700.2 | 5296.3 | 5077.1 | 4984.8 | 4938.6 | 4961.7 |
| 142.5° | 7984.9 | 7546.4 | 7015.6 | 6588.7 | 6196.4 | 5942.5 | 5607.9 | 5388.7 | 5192.5 | 5134.8 | 5088.6 |
| 145° | 8008.0 | 7742.6 | 7223.3 | 6807.9 | 6507.9 | 6357.9 | 5954.1 | 5665.6 | 5434.8 | 5319.4 | 5296.3 |
| 147.5° | 8008.0 | 7731.1 | 7361.8 | 6992.6 | 6738.7 | 6577.2 | 6138.7 | 5954.1 | 5769.4 | 5573.3 | 5481.0 |
| 150° | 7984.9 | 7858.0 | 7465.7 | 7177.2 | 6911.8 | 6784.9 | 6473.3 | 6127.1 | 5931.0 | 5792.5 | 5688.7 |
| 152.5° | 7927.2 | 7754.1 | 7523.4 | 7269.5 | 7073.3 | 6992.6 | 6634.9 | 6415.6 | 6207.9 | 6000.2 | 5919.4 |
| 155° | 7869.5 | 7731.1 | 7558.0 | 7350.3 | 7188.7 | 7084.9 | 6831.0 | 6611.8 | 6461.8 | 6242.5 | 6161.8 |
| 157.5° | 7800.3 | 7708.0 | 7558.0 | 7442.6 | 7258.0 | 7188.7 | 6934.9 | 6784.9 | 6657.9 | 6438.7 | 6334.8 |
| 160° | 7696.4 | 7638.7 | 7546.4 | 7384.9 | 7304.1 | 7246.4 | 7038.7 | 6923.3 | 6796.4 | 6634.9 | 6554.1 |
| 162.5° | 7592.6 | 7604.1 | 7488.7 | 7454.1 | 7327.2 | 7281.0 | 7142.6 | 7015.6 | 6888.7 | 6796.4 | 6727.2 |
| 165° | 7511.8 | 7558.0 | 7442.6 | 7327.2 | 7327.2 | 7304.1 | 7154.1 | 7096.4 | 7038.7 | 6934.9 | 6854.1 |
| 167.5° | 7361.8 | 7419.5 | 7419.5 | 7281.0 | 7269.5 | 7304.1 | 7211.8 | 7154.1 | 7108.0 | 7027.2 | 6981.0 |
| 170° | 7338.7 | 7338.7 | 7258.0 | 7269.5 | 7304.1 | 7223.3 | 7165.6 | 7154.1 | 7154.1 | 7108.0 | 7073.3 |
| 172.5° | 7200.3 | 7269.5 | 7234.9 | 7211.8 | 7177.2 | 7177.2 | 7142.6 | 7154.1 | 7131.0 | 7142.6 | 7131.0 |
| 175° | 7154.1 | 7165.6 | 7177.2 | 7165.6 | 7131.0 | 7131.0 | 7119.5 | 7131.0 | 7142.6 | 7142.6 | 7119.5 |
| 177.5° | 7084.9 | 7119.5 | 7177.2 | 7119.5 | 7142.6 | 7096.4 | 7084.9 | 7108.0 | 7108.0 | 7119.5 | 7096.4 |
| 180° | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 |



TEST NUMBER: P508398

CATALOG NUMBER: ASYX-X-L6-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° | 346.2 | 369.2 | 380.8 | 392.3 | 403.9 | 369.2 | 369.2 | 334.6 | 311.5 |
| 95° | 738.5 | 796.2 | 796.2 | 796.2 | 830.8 | 853.9 | 842.3 | 830.8 | 830.8 |
| 97.5° | 1003.9 | 1096.2 | 1165.4 | 1177.0 | 1177.0 | 1177.0 | 1188.5 | 1188.5 | 1165.4 |
| 100° | 1269.3 | 1315.4 | 1361.6 | 1373.1 | 1361.6 | 1361.6 | 1350.0 | 1373.1 | 1361.6 |
| 102.5° | 1523.1 | 1569.3 | 1580.8 | 1592.4 | 1580.8 | 1569.3 | 1546.2 | 1569.3 | 1523.1 |
| 105° | 1742.4 | 1788.5 | 1777.0 | 1765.4 | 1753.9 | 1730.8 | 1707.8 | 1742.4 | 1730.8 |
| 107.5° | 1984.7 | 1996.2 | 2007.8 | 2019.3 | 1973.1 | 1961.6 | 1961.6 | 1984.7 | 1973.1 |
| 110° | 2180.8 | 2227.0 | 2215.5 | 2203.9 | 2203.9 | 2180.8 | 2169.3 | 2180.8 | 2169.3 |
| 112.5° | 2388.5 | 2411.6 | 2400.1 | 2400.1 | 2388.5 | 2353.9 | 2319.3 | 2330.9 | 2319.3 |
| 115° | 2607.8 | 2619.3 | 2607.8 | 2584.7 | 2561.6 | 2538.6 | 2492.4 | 2469.3 | 2457.8 |
| 117.5° | 2838.6 | 2827.0 | 2803.9 | 2792.4 | 2769.3 | 2757.8 | 2688.6 | 2653.9 | 2642.4 |
| 120° | 3104.0 | 3069.3 | 3023.2 | 3011.6 | 2977.0 | 2965.5 | 2873.2 | 2815.5 | 2803.9 |
| 122.5° | 3427.0 | 3369.4 | 3277.0 | 3230.9 | 3219.3 | 3184.7 | 3069.3 | 3046.3 | 3011.6 |
| 125° | 3704.0 | 3680.9 | 3623.2 | 3588.6 | 3542.4 | 3438.6 | 3311.7 | 3254.0 | 3277.0 |
| 127.5° | 3969.4 | 3957.8 | 3934.8 | 3888.6 | 3830.9 | 3784.8 | 3680.9 | 3588.6 | 3565.5 |
| 130° | 4188.6 | 4200.2 | 4165.5 | 4130.9 | 4096.3 | 4050.1 | 3934.8 | 3877.1 | 3877.1 |
| 132.5° | 4396.3 | 4407.9 | 4430.9 | 4338.6 | 4315.5 | 4269.4 | 4165.5 | 4096.3 | 4119.4 |
| 135° | 4557.9 | 4580.9 | 4546.3 | 4511.7 | 4488.6 | 4442.5 | 4338.6 | 4304.0 | 4315.5 |
| 137.5° | 4777.1 | 4754.0 | 4719.4 | 4696.3 | 4638.6 | 4627.1 | 4546.3 | 4488.6 | 4465.5 |
| 140° | 4915.6 | 4927.1 | 4927.1 | 4869.4 | 4811.7 | 4788.6 | 4707.9 | 4650.2 | 4661.7 |
| 142.5° | 5100.2 | 5054.0 | 5077.1 | 5019.4 | 4984.8 | 4950.2 | 4846.3 | 4834.8 | 4834.8 |
| 145° | 5238.7 | 5215.6 | 5204.0 | 5157.9 | 5146.3 | 5077.1 | 5042.5 | 4984.8 | 5019.4 |
| 147.5° | 5388.7 | 5388.7 | 5388.7 | 5284.8 | 5261.7 | 5227.1 | 5192.5 | 5146.3 | 5181.0 |
| 150° | 5607.9 | 5527.1 | 5504.0 | 5446.4 | 5400.2 | 5377.1 | 5296.3 | 5273.3 | 5307.9 |
| 152.5° | 5781.0 | 5688.7 | 5619.4 | 5584.8 | 5573.3 | 5538.7 | 5492.5 | 5457.9 | 5457.9 |
| 155° | 5988.7 | 5861.8 | 5861.8 | 5734.8 | 5700.2 | 5677.1 | 5631.0 | 5619.4 | 5631.0 |
| 157.5° | 6207.9 | 6092.5 | 6034.8 | 5965.6 | 5907.9 | 5884.8 | 5827.1 | 5804.1 | 5827.1 |
| 160° | 6369.5 | 6357.9 | 6231.0 | 6196.4 | 6138.7 | 6104.1 | 6092.5 | 6034.8 | 6034.8 |
| 162.5° | 6623.3 | 6461.8 | 6438.7 | 6404.1 | 6357.9 | 6311.8 | 6288.7 | 6265.6 | 6288.7 |
| 165° | 6761.8 | 6715.6 | 6657.9 | 6611.8 | 6577.2 | 6565.6 | 6496.4 | 6519.5 | 6507.9 |
| 167.5° | 6923.3 | 6888.7 | 6831.0 | 6796.4 | 6807.9 | 6761.8 | 6761.8 | 6704.1 | 6715.6 |
| 170° | 7038.7 | 7061.8 | 6992.6 | 6957.9 | 6934.9 | 6934.9 | 6888.7 | 6888.7 | 6911.8 |
| 172.5° | 7119.5 | 7154.1 | 7096.4 | 7073.3 | 7050.3 | 7073.3 | 7027.2 | 7015.6 | 7038.7 |
| 175° | 7142.6 | 7188.7 | 7142.6 | 7131.0 | 7108.0 | 7177.2 | 7096.4 | 7096.4 | 7050.3 |
| 177.5° | 7119.5 | 7131.0 | 7177.2 | 7108.0 | 7108.0 | 7131.0 | 7142.6 | 7050.3 | 7108.0 |
| 180° | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 | 7084.9 |

(END OF REPORT)