

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: P508386

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

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2006-840-3)
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-HSS-L40-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(5) AF LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR
OPTICS WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

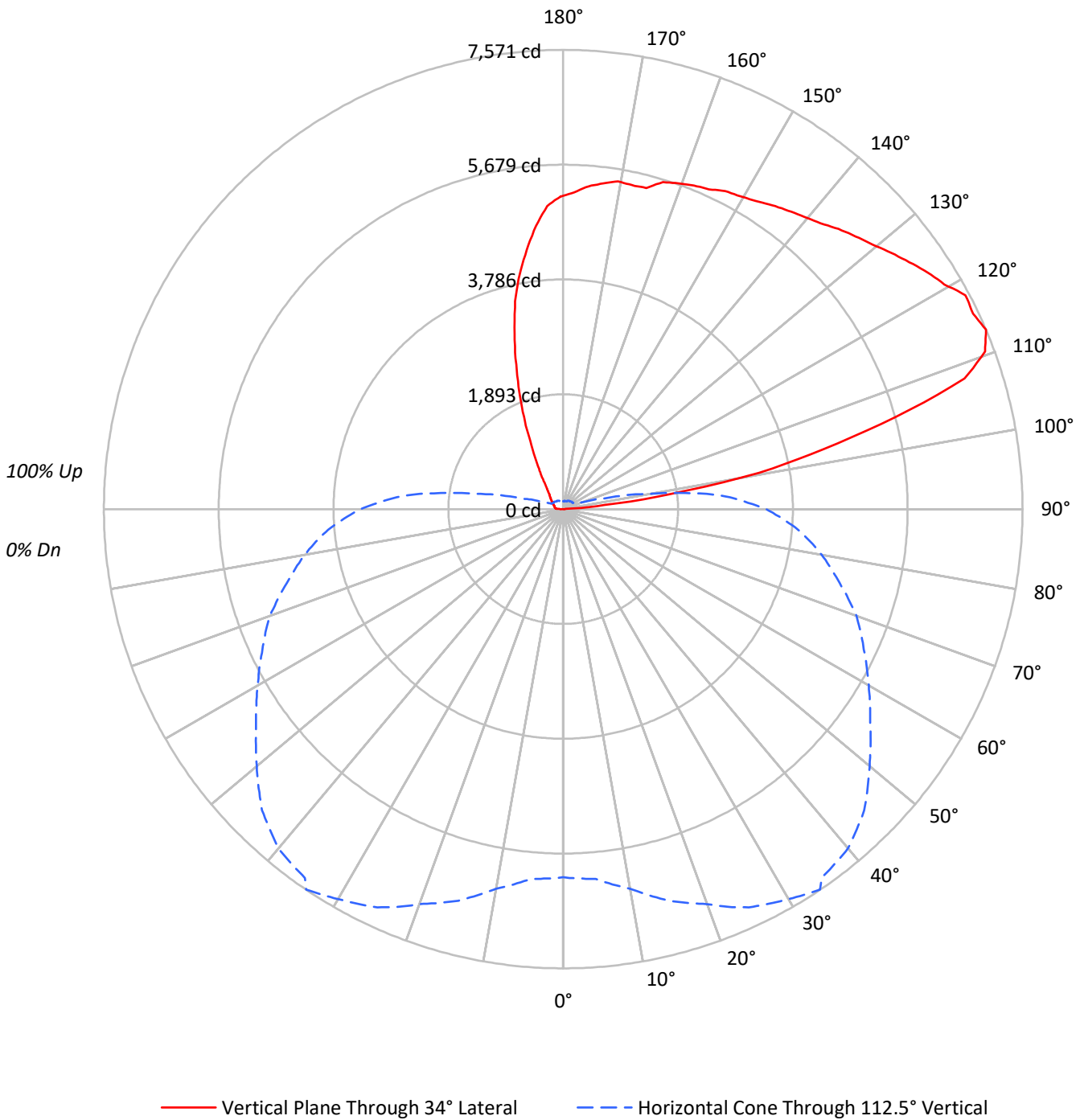
Lumens per Lamp: N/A
Luminaire Lumens: 17746.2 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
N/A
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
CIE Type: Indirect

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: P508386
CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508386

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L40-1-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°	815	9757	11379
100°	33043	19989	6120
105°	101268	31749	3832
110°	116191	54471	2692
115°	105933	63694	2347
120°	90672	61628	2266
125°	76200	59158	2347
130°	68767	55433	2534
135°	60909	51692	2705
140°	56315	47253	3052
145°	51540	43757	3459
150°	48832	40489	4826
155°	45880	38533	7347
160°	43798	37541	11609
165°	41948	37108	18261
170°	40497	37044	26830
175°	38896	36976	32994



TEST NUMBER: P508386

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-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°	345.1	1.9
100°-110°	2162.8	12.2
110°-120°	3343.1	18.8
120°-130°	3226.4	18.2
130°-140°	2802.1	15.8
140°-150°	2309.6	13.0
150°-160°	1819.9	10.3
160°-170°	1262.6	7.1
170°-180°	474.5	2.7
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°	5851.1	33.0
90°-150°	14189.2	80.0
90°-180°	17746.0	100.0
0°-180°	17746.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	10	89	118	109	138	167
105°	3652	5864	1145	148	138	3584
115°	6239	7117	3751	188	138	6068
125°	6091	6940	4728	247	188	5570
135°	6002	6367	5094	346	266	4667
145°	5883	5952	4995	701	395	3730
155°	5795	5716	4867	1718	928	2670
165°	5646	5489	4995	3396	2458	1604
175°	5400	5301	5133	4798	4580	518
180°	5153	5153	5153	5153	5153	



TEST NUMBER: P508386

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	34°	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°	0.0	0.0	9.9	9.9	29.6	19.7	19.7	29.6	39.5	49.4	19.7
95°	9.9	9.9	19.7	256.7	770.0	848.9	809.5	779.8	681.1	592.3	148.1
97.5°	207.3	246.8	394.9	1056.3	2142.1	2467.9	2625.8	2152.0	1767.0	1638.7	878.6
100°	799.6	927.9	1283.3	2428.4	3622.8	3701.8	3672.2	3573.5	3287.2	3099.7	2379.0
102.5°	2132.2	2221.1	2714.7	3731.4	4382.9	4521.2	4521.2	4432.3	4402.7	4343.5	4116.4
105°	3652.5	3751.2	4146.0	4669.2	5064.1	5212.2	5291.1	5488.6	5686.0	5715.6	5932.8
107.5°	4669.2	4767.9	5074.0	5468.8	5982.1	6169.7	6396.7	6712.6	6959.4	6929.8	6880.4
110°	5537.9	5646.5	5932.8	6327.6	6702.8	6929.8	7147.0	7285.2	7423.4	7285.2	7216.1
112.5°	6071.0	6120.3	6357.3	6683.0	6929.8	7097.6	7245.7	7423.4	7571.4	7423.4	7304.9
115°	6238.8	6268.4	6475.7	6702.8	6969.3	7127.2	7235.8	7423.4	7482.6	7453.0	7354.3
117.5°	6228.9	6357.3	6534.9	6692.9	6949.5	7077.9	7186.5	7334.5	7512.2	7433.2	7334.5
120°	6317.8	6327.6	6515.2	6702.8	6890.3	6998.9	6998.9	7216.1	7295.0	7275.3	7255.6
122.5°	6288.2	6317.8	6475.7	6594.2	6791.6	6880.4	6969.3	7077.9	7166.7	7137.1	7137.1
125°	6090.7	6278.3	6367.1	6505.3	6692.9	6752.1	6841.0	6929.8	7008.8	6979.2	6969.3
127.5°	6209.2	6219.1	6298.0	6446.1	6564.6	6604.0	6702.8	6781.7	6860.7	6850.8	6870.6
130°	6159.8	6130.2	6317.8	6377.0	6465.8	6534.9	6584.3	6653.4	6712.6	6712.6	6732.4
132.5°	6120.3	6120.3	6179.6	6298.0	6377.0	6426.4	6505.3	6525.1	6594.2	6613.9	6574.4
135°	6001.9	6080.8	6169.7	6209.2	6298.0	6337.5	6377.0	6416.5	6475.7	6495.5	6426.4
137.5°	5883.4	6001.9	6120.3	6179.6	6248.7	6248.7	6248.7	6307.9	6337.5	6367.1	6298.0
140°	6011.7	6001.9	6110.5	6100.6	6140.1	6130.2	6199.3	6209.2	6248.7	6228.9	6189.4
142.5°	5982.1	5982.1	6011.7	6051.2	6041.4	6061.1	6110.5	6159.8	6159.8	6179.6	6110.5
145°	5883.4	5913.0	5962.4	6001.9	6001.9	5992.0	6051.2	6061.1	6080.8	6071.0	6031.5
147.5°	5922.9	5922.9	5922.9	5972.3	5972.3	5972.3	5982.1	5992.0	5992.0	6001.9	5972.3
150°	5893.3	5903.2	5922.9	5903.2	5952.5	5873.5	5922.9	5922.9	5922.9	5932.8	5913.0
152.5°	5695.9	5834.1	5883.4	5873.5	5834.1	5853.8	5863.7	5903.2	5883.4	5903.2	5843.9
155°	5794.6	5784.7	5794.6	5804.4	5774.8	5794.6	5804.4	5804.4	5794.6	5804.4	5755.1
157.5°	5765.0	5755.1	5804.4	5745.2	5774.8	5794.6	5755.1	5784.7	5755.1	5794.6	5774.8
160°	5735.3	5715.6	5755.1	5715.6	5755.1	5705.7	5676.1	5725.5	5695.9	5765.0	5666.2
162.5°	5695.9	5686.0	5725.5	5676.1	5636.6	5616.9	5646.5	5656.4	5636.6	5656.4	5607.0
165°	5646.5	5646.5	5646.5	5597.1	5626.8	5626.8	5587.3	5597.1	5468.8	5607.0	5547.8
167.5°	5607.0	5646.5	5597.1	5547.8	5607.0	5607.0	5537.9	5547.8	5458.9	5528.0	5498.4
170°	5557.7	5518.2	5528.0	5528.0	5577.4	5488.6	5439.2	5528.0	5478.7	5528.0	5478.7
172.5°	5439.2	5478.7	5478.7	5458.9	5429.3	5429.3	5419.5	5439.2	5409.6	5419.5	5389.8
175°	5399.7	5399.7	5419.5	5449.1	5389.8	5380.0	5320.7	5370.1	5340.5	5360.2	5330.6
177.5°	5251.6	5330.6	5320.7	5251.6	5291.1	5231.9	5261.5	5281.3	5222.0	5271.4	5222.0
180°	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9



TEST NUMBER: P508386

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-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°	19.7	19.7	19.7	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
95°	88.8	118.5	286.3	236.9	177.7	167.8	187.6	167.8	148.1	128.3	118.5
97.5°	710.7	799.6	839.1	740.4	730.5	671.3	602.2	454.1	414.6	365.2	286.3
100°	1944.7	1727.5	1618.9	1441.2	1164.8	1056.3	967.4	799.6	651.5	572.5	483.7
102.5°	3721.6	3316.8	2793.6	2240.8	1826.2	1668.3	1490.6	1243.8	1046.4	868.7	720.6
105°	5863.7	5093.7	4076.9	3336.6	2783.8	2438.3	2280.3	1885.5	1559.7	1362.3	1145.1
107.5°	6574.4	6080.8	5449.1	4679.1	4027.6	3711.7	3366.2	2843.0	2428.4	2063.1	1737.4
110°	6870.6	6446.1	5972.3	5518.2	5074.0	4787.7	4550.8	4017.7	3504.4	3050.3	2596.2
112.5°	7018.6	6594.2	6179.6	5814.3	5468.8	5310.9	5143.1	4718.6	4323.7	3889.4	3346.4
115°	7117.4	6781.7	6416.5	6031.5	5765.0	5597.1	5449.1	5064.1	4698.8	4304.0	3751.2
117.5°	7166.7	6831.1	6564.6	6248.7	5972.3	5834.1	5676.1	5330.6	4965.4	4600.1	4047.3
120°	7107.5	6880.4	6663.3	6396.7	6130.2	5992.0	5863.7	5518.2	5182.5	4837.0	4294.1
122.5°	7028.5	6900.2	6732.4	6465.8	6268.4	6149.9	6041.4	5695.9	5399.7	5004.9	4511.3
125°	6939.7	6811.3	6633.7	6465.8	6307.9	6219.1	6140.1	5834.1	5528.0	5192.4	4728.5
127.5°	6801.5	6683.0	6544.8	6406.6	6288.2	6199.3	6169.7	5903.2	5616.9	5320.7	4846.9
130°	6653.4	6554.7	6436.2	6298.0	6219.1	6120.3	6130.2	5893.3	5666.2	5389.8	4965.4
132.5°	6456.0	6386.9	6357.3	6209.2	6130.2	6080.8	6011.7	5853.8	5666.2	5449.1	5044.3
135°	6367.1	6298.0	6248.7	6120.3	6001.9	5982.1	5883.4	5794.6	5636.6	5478.7	5093.7
137.5°	6209.2	6169.7	6140.1	6001.9	5883.4	5883.4	5853.8	5735.3	5597.1	5380.0	5054.2
140°	6140.1	6090.7	6011.7	5903.2	5834.1	5774.8	5745.2	5646.5	5478.7	5310.9	5044.3
142.5°	6021.6	5982.1	5962.4	5863.7	5755.1	5695.9	5636.6	5528.0	5409.6	5291.1	5004.9
145°	5952.5	5942.6	5922.9	5824.2	5656.4	5626.8	5607.0	5488.6	5380.0	5192.4	4995.0
147.5°	5863.7	5873.5	5853.8	5735.3	5626.8	5557.7	5508.3	5399.7	5320.7	5162.8	4916.0
150°	5804.4	5814.3	5794.6	5646.5	5528.0	5498.4	5478.7	5370.1	5222.0	5093.7	4886.4
152.5°	5774.8	5745.2	5695.9	5636.6	5508.3	5439.2	5419.5	5301.0	5222.0	5064.1	4866.7
155°	5715.6	5676.1	5646.5	5547.8	5468.8	5399.7	5350.4	5281.3	5192.4	5034.5	4866.7
157.5°	5656.4	5616.9	5597.1	5577.4	5468.8	5370.1	5360.2	5281.3	5143.1	5024.6	4886.4
160°	5597.1	5498.4	5577.4	5458.9	5429.3	5350.4	5291.1	5241.8	5143.1	5034.5	4916.0
162.5°	5537.9	5508.3	5498.4	5429.3	5370.1	5320.7	5231.9	5261.5	5143.1	5044.3	4955.5
165°	5488.6	5458.9	5449.1	5429.3	5340.5	5301.0	5281.3	5222.0	5172.7	5074.0	4995.0
167.5°	5439.2	5389.8	5409.6	5389.8	5281.3	5310.9	5261.5	5222.0	5192.4	5113.4	5034.5
170°	5429.3	5330.6	5380.0	5370.1	5291.1	5281.3	5222.0	5212.2	5182.5	5123.3	5083.8
172.5°	5380.0	5310.9	5340.5	5310.9	5271.4	5241.8	5241.8	5251.6	5202.3	5162.8	5113.4
175°	5301.0	5261.5	5271.4	5301.0	5241.8	5222.0	5172.7	5212.2	5222.0	5152.9	5133.2
177.5°	5212.2	5251.6	5222.0	5261.5	5212.2	5202.3	5172.7	5202.3	5202.3	5143.1	5143.1
180°	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9



TEST NUMBER: P508386

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-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°	29.6	39.5	39.5	49.4	59.2	59.2	69.1	69.1	79.0	88.8	98.7
95°	59.2	49.4	59.2	69.1	69.1	79.0	88.8	88.8	98.7	108.6	108.6
97.5°	118.5	79.0	79.0	79.0	88.8	88.8	98.7	108.6	118.5	118.5	118.5
100°	227.0	128.3	128.3	98.7	98.7	108.6	108.6	118.5	128.3	128.3	128.3
102.5°	394.9	236.9	187.6	128.3	118.5	118.5	128.3	128.3	138.2	138.2	138.2
105°	740.4	473.8	266.5	157.9	148.1	138.2	138.2	138.2	148.1	148.1	148.1
107.5°	1303.0	760.1	375.1	207.3	177.7	157.9	157.9	157.9	157.9	157.9	157.9
110°	1984.2	1115.5	513.3	266.5	217.2	187.6	177.7	177.7	167.8	167.8	167.8
112.5°	2606.1	1461.0	651.5	325.8	256.7	217.2	197.4	187.6	187.6	177.7	167.8
115°	3000.9	1717.6	789.7	375.1	296.1	246.8	207.3	207.3	197.4	187.6	177.7
117.5°	3287.2	1984.2	957.5	454.1	345.5	286.3	227.0	217.2	207.3	207.3	197.4
120°	3563.6	2260.6	1135.2	542.9	414.6	325.8	256.7	236.9	227.0	217.2	207.3
122.5°	3830.1	2527.1	1332.7	651.5	483.7	385.0	286.3	256.7	246.8	227.0	227.0
125°	4037.4	2803.5	1559.7	789.7	582.4	454.1	325.8	276.4	256.7	246.8	236.9
127.5°	4264.5	3079.9	1796.6	937.8	691.0	542.9	375.1	306.0	286.3	266.5	256.7
130°	4432.3	3346.4	2053.3	1135.2	848.9	651.5	444.2	345.5	306.0	286.3	276.4
132.5°	4560.6	3573.5	2309.9	1352.4	1036.5	789.7	533.1	414.6	345.5	315.9	296.1
135°	4600.1	3770.9	2576.5	1589.3	1233.9	967.4	651.5	493.6	394.9	345.5	325.8
137.5°	4639.6	3928.9	2833.1	1855.8	1490.6	1184.6	789.7	592.3	473.8	404.7	355.4
140°	4619.9	4047.3	3079.9	2152.0	1757.1	1421.5	977.3	720.6	572.5	483.7	414.6
142.5°	4610.0	4146.0	3336.6	2428.4	2033.5	1697.9	1204.3	888.4	700.9	572.5	493.6
145°	4629.7	4215.1	3524.1	2724.5	2359.3	2013.8	1480.7	1085.9	858.8	700.9	612.0
147.5°	4560.6	4254.6	3751.2	2981.2	2645.6	2309.9	1776.9	1352.4	1076.0	878.6	750.2
150°	4619.9	4274.4	3849.9	3237.9	2922.0	2615.9	2102.6	1658.4	1342.5	1105.6	947.7
152.5°	4610.0	4294.1	3958.5	3464.9	3198.4	2912.1	2398.8	1964.4	1628.8	1382.0	1194.5
155°	4659.4	4304.0	4067.1	3691.9	3455.0	3198.4	2734.4	2319.8	1964.4	1717.6	1500.5
157.5°	4698.8	4432.3	4195.4	3899.2	3691.9	3474.8	3079.9	2694.9	2359.3	2102.6	1836.1
160°	4758.1	4501.4	4294.1	4067.1	3928.9	3701.8	3415.5	3109.5	2783.8	2507.4	2290.2
162.5°	4787.7	4610.0	4432.3	4205.3	4116.4	3958.5	3721.6	3494.5	3218.1	2961.5	2754.2
165°	4846.9	4669.2	4550.8	4363.2	4274.4	4136.2	3988.1	3780.8	3613.0	3395.8	3237.9
167.5°	4906.1	4787.7	4689.0	4540.9	4461.9	4363.2	4234.9	4096.7	4007.8	3840.0	3682.1
170°	4965.4	4866.7	4817.3	4748.2	4629.7	4550.8	4491.5	4392.8	4274.4	4195.4	4106.5
172.5°	5014.7	4975.2	4945.6	4925.9	4807.4	4748.2	4708.7	4600.1	4600.1	4491.5	4422.4
175°	5093.7	4965.4	5054.2	5004.9	4965.4	4916.0	4896.3	4866.7	4837.0	4797.6	4758.1
177.5°	5133.2	5113.4	5133.2	5113.4	5103.6	5054.2	5083.8	5054.2	5044.3	5034.5	5004.9
180°	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9



TEST NUMBER: P508386

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-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°	108.6	108.6	118.5	118.5	118.5	118.5	128.3	118.5	108.6
95°	118.5	128.3	128.3	128.3	138.2	138.2	138.2	138.2	138.2
97.5°	128.3	128.3	138.2	138.2	138.2	148.1	148.1	148.1	148.1
100°	138.2	138.2	138.2	148.1	148.1	148.1	148.1	148.1	148.1
102.5°	138.2	138.2	138.2	148.1	148.1	148.1	148.1	148.1	148.1
105°	148.1	138.2	138.2	138.2	138.2	138.2	138.2	138.2	138.2
107.5°	148.1	148.1	138.2	138.2	138.2	138.2	138.2	138.2	138.2
110°	157.9	148.1	138.2	138.2	138.2	138.2	138.2	138.2	128.3
112.5°	167.8	157.9	148.1	138.2	138.2	138.2	138.2	128.3	128.3
115°	177.7	167.8	157.9	157.9	148.1	148.1	148.1	138.2	138.2
117.5°	187.6	177.7	167.8	167.8	157.9	157.9	148.1	148.1	148.1
120°	197.4	197.4	187.6	177.7	177.7	167.8	167.8	157.9	157.9
122.5°	217.2	197.4	197.4	197.4	197.4	187.6	177.7	177.7	177.7
125°	227.0	217.2	217.2	217.2	207.3	207.3	197.4	187.6	187.6
127.5°	246.8	236.9	236.9	227.0	227.0	217.2	217.2	207.3	207.3
130°	266.5	256.7	246.8	246.8	246.8	236.9	236.9	227.0	227.0
132.5°	286.3	276.4	276.4	266.5	266.5	256.7	256.7	246.8	246.8
135°	315.9	296.1	296.1	296.1	286.3	276.4	276.4	276.4	266.5
137.5°	335.6	325.8	315.9	306.0	306.0	306.0	296.1	296.1	296.1
140°	385.0	355.4	345.5	335.6	335.6	325.8	325.8	325.8	325.8
142.5°	444.2	414.6	385.0	375.1	365.2	355.4	355.4	345.5	345.5
145°	542.9	493.6	454.1	444.2	424.5	404.7	404.7	394.9	394.9
147.5°	661.4	602.2	552.8	533.1	523.2	503.4	483.7	473.8	464.0
150°	829.2	740.4	691.0	671.3	651.5	612.0	592.3	582.4	582.4
152.5°	1046.4	947.7	868.7	829.2	809.5	770.0	740.4	730.5	740.4
155°	1312.9	1194.5	1115.5	1066.1	1026.6	977.3	957.5	947.7	927.9
157.5°	1688.0	1530.1	1411.6	1372.1	1322.8	1273.4	1243.8	1214.2	1194.5
160°	2092.8	1915.1	1806.5	1757.1	1697.9	1618.9	1579.4	1540.0	1520.2
162.5°	2537.0	2388.9	2260.6	2181.6	2152.0	2053.3	2013.8	1964.4	1974.3
165°	3030.6	2872.6	2773.9	2714.7	2635.7	2586.3	2556.7	2487.6	2458.0
167.5°	3553.7	3376.1	3326.7	3247.7	3178.6	3109.5	3109.5	3079.9	3050.3
170°	3948.6	3909.1	3849.9	3761.0	3751.2	3701.8	3701.8	3672.2	3682.1
172.5°	4323.7	4264.5	4264.5	4234.9	4205.3	4185.5	4136.2	4155.9	4155.9
175°	4698.8	4669.2	4649.5	4570.5	4590.3	4590.3	4560.6	4560.6	4580.4
177.5°	5004.9	5004.9	4985.1	4975.2	4965.4	4975.2	4985.1	4995.0	4975.2
180°	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9	5152.9

(END OF REPORT)