

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: P508370

Luminaire Tested: **ASYX-X-L4-X-U-HSS-L40-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

Test Information

Test Method: LM-79-08
Report Number: P508370
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-L4-X-U-HSS-L40-1-UNV-X-X-X-STD
Description: AMETRIX ASYMMETRIC INDIRECT LED LUMINAIRE.
(4) 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

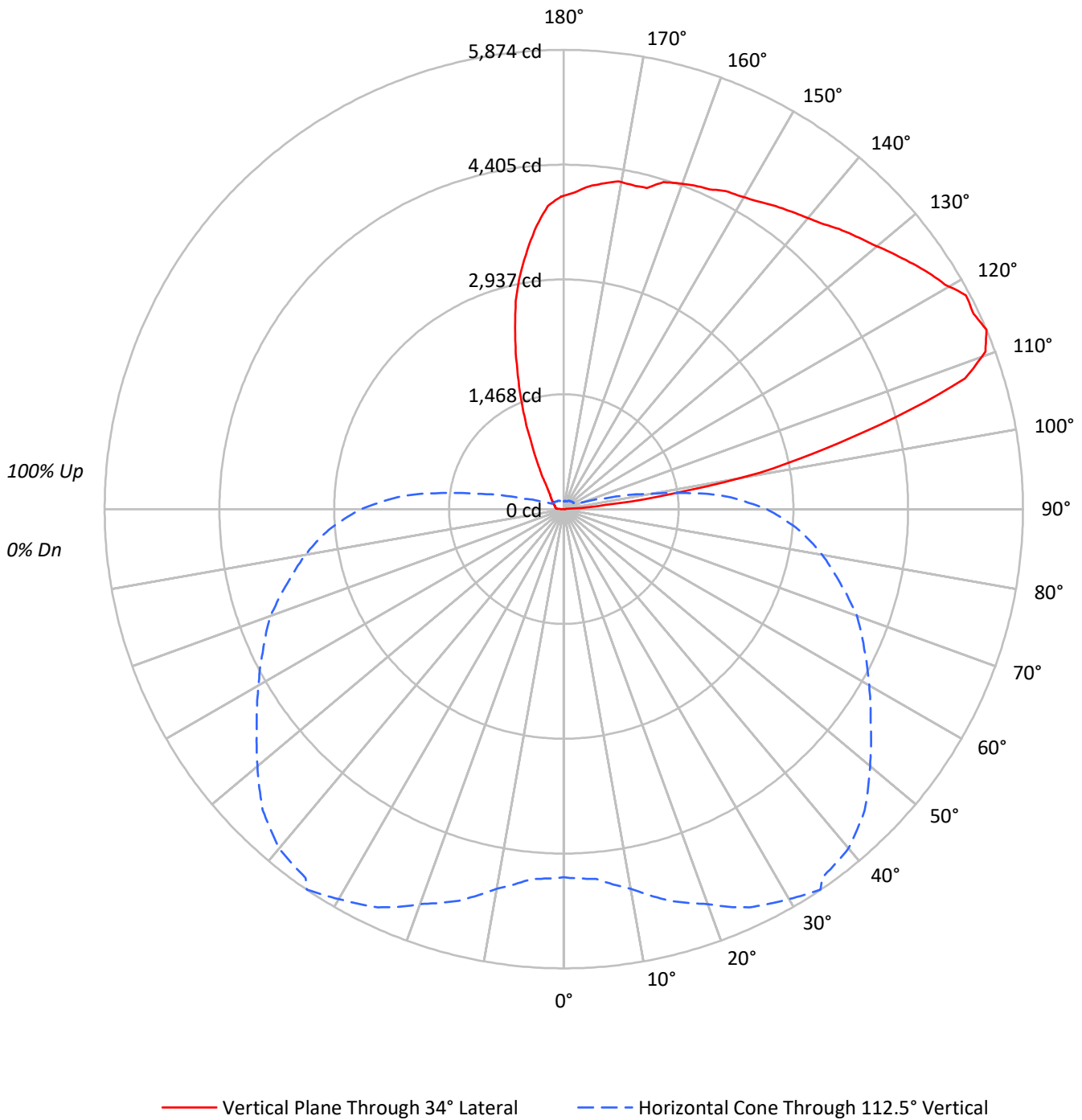
Lumens per Lamp: N/A
Luminaire Lumens: 13767.4 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
N/A
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Indirect

Input Watts (W): 214.8
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: P508370
CATALOG NUMBER: ASYX-X-L4-X-U-HSS-L40-1-UNV-X-X-X-STD

Luminous Intensity Polar Plot





TEST NUMBER: P508370

CATALOG NUMBER: ASYX-X-L4-X-U-HSS-L40-1-UNV-X-X-X-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	951	11350	13239
100°	38450	23264	7122
105°	117845	36947	4458
110°	135211	63387	3135
115°	123273	74122	2730
120°	105514	71718	2637
125°	88675	68840	2730
130°	80024	64506	2949
135°	70879	60155	3148
140°	65534	54988	3551
145°	59976	50920	4025
150°	56826	47117	5615
155°	53390	44840	8550
160°	50968	43686	13510
165°	48815	43183	21250
170°	47126	43108	31221
175°	45263	43029	38396



TEST NUMBER: P508370

CATALOG NUMBER: ASYX-X-L4-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°	267.8	1.9
100°-110°	1677.9	12.2
110°-120°	2593.6	18.8
120°-130°	2503.0	18.2
130°-140°	2173.9	15.8
140°-150°	1791.8	13.0
150°-160°	1411.9	10.3
160°-170°	979.5	7.1
170°-180°	368.1	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°	4539.3	33.0
90°-150°	11007.9	80.0
90°-180°	13767.0	100.0
0°-180°	13767.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	8	69	92	84	107	130
105°	2834	4549	888	115	107	2781
115°	4840	5522	2910	146	107	4707
125°	4725	5384	3668	192	146	4321
135°	4656	4940	3952	268	207	3621
145°	4564	4618	3875	544	306	2894
155°	4495	4434	3776	1332	720	2071
165°	4380	4258	3875	2634	1907	1244
175°	4189	4112	3982	3722	3554	402
180°	3998	3998	3998	3998	3998	



TEST NUMBER: P508370

CATALOG NUMBER: ASYX-X-L4-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	7.7	7.7	23.0	15.3	15.3	23.0	30.6	38.3	15.3
95°	7.7	7.7	15.3	199.1	597.3	658.6	628.0	605.0	528.4	459.5	114.9
97.5°	160.8	191.5	306.3	819.4	1661.9	1914.6	2037.1	1669.5	1370.8	1271.3	681.6
100°	620.3	719.9	995.6	1883.9	2810.6	2871.9	2848.9	2772.3	2550.2	2404.7	1845.7
102.5°	1654.2	1723.1	2106.0	2894.8	3400.3	3507.5	3507.5	3438.6	3415.6	3369.7	3193.5
105°	2833.6	2910.2	3216.5	3622.4	3928.7	4043.6	4104.8	4258.0	4411.2	4434.2	4602.6
107.5°	3622.4	3699.0	3936.4	4242.7	4640.9	4786.4	4962.6	5207.6	5399.1	5376.1	5337.8
110°	4296.3	4380.5	4602.6	4909.0	5200.0	5376.1	5544.6	5651.8	5759.0	5651.8	5598.2
112.5°	4709.9	4748.1	4931.9	5184.7	5376.1	5506.3	5621.2	5759.0	5873.9	5759.0	5667.1
115°	4840.0	4863.0	5023.8	5200.0	5406.8	5529.3	5613.5	5759.0	5805.0	5782.0	5705.4
117.5°	4832.4	4931.9	5069.8	5192.3	5391.4	5491.0	5575.2	5690.1	5828.0	5766.7	5690.1
120°	4901.3	4909.0	5054.5	5200.0	5345.5	5429.7	5429.7	5598.2	5659.5	5644.2	5628.9
122.5°	4878.3	4901.3	5023.8	5115.7	5268.9	5337.8	5406.8	5491.0	5559.9	5537.0	5537.0
125°	4725.2	4870.7	4939.6	5046.8	5192.3	5238.3	5307.2	5376.1	5437.4	5414.4	5406.8
127.5°	4817.1	4824.7	4886.0	5000.9	5092.8	5123.4	5200.0	5261.3	5322.5	5314.9	5330.2
130°	4778.8	4755.8	4901.3	4947.3	5016.2	5069.8	5108.1	5161.7	5207.6	5207.6	5223.0
132.5°	4748.1	4748.1	4794.1	4886.0	4947.3	4985.6	5046.8	5062.1	5115.7	5131.1	5100.4
135°	4656.2	4717.5	4786.4	4817.1	4886.0	4916.6	4947.3	4977.9	5023.8	5039.2	4985.6
137.5°	4564.3	4656.2	4748.1	4794.1	4847.7	4847.7	4847.7	4893.7	4916.6	4939.6	4886.0
140°	4663.9	4656.2	4740.5	4732.8	4763.5	4755.8	4809.4	4817.1	4847.7	4832.4	4801.8
142.5°	4640.9	4640.9	4663.9	4694.5	4686.9	4702.2	4740.5	4778.8	4778.8	4794.1	4740.5
145°	4564.3	4587.3	4625.6	4656.2	4656.2	4648.6	4694.5	4702.2	4717.5	4709.9	4679.2
147.5°	4595.0	4595.0	4595.0	4633.3	4633.3	4633.3	4640.9	4648.6	4648.6	4656.2	4633.3
150°	4572.0	4579.7	4595.0	4579.7	4618.0	4556.7	4595.0	4595.0	4595.0	4602.6	4587.3
152.5°	4418.8	4526.1	4564.3	4556.7	4526.1	4541.4	4549.0	4579.7	4564.3	4579.7	4533.7
155°	4495.4	4487.8	4495.4	4503.1	4480.1	4495.4	4503.1	4503.1	4495.4	4503.1	4464.8
157.5°	4472.4	4464.8	4503.1	4457.1	4480.1	4495.4	4464.8	4487.8	4464.8	4495.4	4480.1
160°	4449.5	4434.2	4464.8	4434.2	4464.8	4426.5	4403.5	4441.8	4418.8	4472.4	4395.9
162.5°	4418.8	4411.2	4441.8	4403.5	4372.9	4357.6	4380.5	4388.2	4372.9	4388.2	4349.9
165°	4380.5	4380.5	4380.5	4342.3	4365.2	4365.2	4334.6	4342.3	4242.7	4349.9	4304.0
167.5°	4349.9	4380.5	4342.3	4304.0	4349.9	4349.9	4296.3	4304.0	4235.0	4288.6	4265.7
170°	4311.6	4281.0	4288.6	4288.6	4326.9	4258.0	4219.7	4288.6	4250.4	4288.6	4250.4
172.5°	4219.7	4250.4	4250.4	4235.0	4212.1	4212.1	4204.4	4219.7	4196.7	4204.4	4181.4
175°	4189.1	4189.1	4204.4	4227.4	4181.4	4173.8	4127.8	4166.1	4143.1	4158.5	4135.5
177.5°	4074.2	4135.5	4127.8	4074.2	4104.8	4058.9	4081.9	4097.2	4051.2	4089.5	4051.2
180°	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6



TEST NUMBER: P508370

CATALOG NUMBER: ASYX-X-L4-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°	15.3	15.3	15.3	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
95°	68.9	91.9	222.1	183.8	137.8	130.2	145.5	130.2	114.9	99.6	91.9
97.5°	551.4	620.3	651.0	574.4	566.7	520.8	467.2	352.3	321.6	283.4	222.1
100°	1508.7	1340.2	1256.0	1118.1	903.7	819.4	750.5	620.3	505.4	444.2	375.3
102.5°	2887.2	2573.2	2167.3	1738.4	1416.8	1294.3	1156.4	964.9	811.8	673.9	559.1
105°	4549.0	3951.7	3162.9	2588.5	2159.6	1891.6	1769.1	1462.7	1210.0	1056.8	888.4
107.5°	5100.4	4717.5	4227.4	3630.0	3124.6	2879.5	2611.5	2205.6	1883.9	1600.6	1347.9
110°	5330.2	5000.9	4633.3	4281.0	3936.4	3714.3	3530.5	3116.9	2718.7	2366.4	2014.1
112.5°	5445.1	5115.7	4794.1	4510.7	4242.7	4120.2	3990.0	3660.7	3354.3	3017.4	2596.2
115°	5521.6	5261.3	4977.9	4679.2	4472.4	4342.3	4227.4	3928.7	3645.4	3339.0	2910.2
117.5°	5559.9	5299.5	5092.8	4847.7	4633.3	4526.1	4403.5	4135.5	3852.1	3568.8	3139.9
120°	5514.0	5337.8	5169.4	4962.6	4755.8	4648.6	4549.0	4281.0	4020.6	3752.6	3331.4
122.5°	5452.7	5353.2	5223.0	5016.2	4863.0	4771.1	4686.9	4418.8	4189.1	3882.8	3499.8
125°	5383.8	5284.2	5146.4	5016.2	4893.7	4824.7	4763.5	4526.1	4288.6	4028.3	3668.3
127.5°	5276.6	5184.7	5077.5	4970.2	4878.3	4809.4	4786.4	4579.7	4357.6	4127.8	3760.2
130°	5161.7	5085.1	4993.2	4886.0	4824.7	4748.1	4755.8	4572.0	4395.9	4181.4	3852.1
132.5°	5008.5	4954.9	4931.9	4817.1	4755.8	4717.5	4663.9	4541.4	4395.9	4227.4	3913.4
135°	4939.6	4886.0	4847.7	4748.1	4656.2	4640.9	4564.3	4495.4	4372.9	4250.4	3951.7
137.5°	4817.1	4786.4	4763.5	4656.2	4564.3	4564.3	4541.4	4449.5	4342.3	4173.8	3921.0
140°	4763.5	4725.2	4663.9	4579.7	4526.1	4480.1	4457.1	4380.5	4250.4	4120.2	3913.4
142.5°	4671.6	4640.9	4625.6	4549.0	4464.8	4418.8	4372.9	4288.6	4196.7	4104.8	3882.8
145°	4618.0	4610.3	4595.0	4518.4	4388.2	4365.2	4349.9	4258.0	4173.8	4028.3	3875.1
147.5°	4549.0	4556.7	4541.4	4449.5	4365.2	4311.6	4273.3	4189.1	4127.8	4005.3	3813.8
150°	4503.1	4510.7	4495.4	4380.5	4288.6	4265.7	4250.4	4166.1	4051.2	3951.7	3790.9
152.5°	4480.1	4457.1	4418.8	4372.9	4273.3	4219.7	4204.4	4112.5	4051.2	3928.7	3775.5
155°	4434.2	4403.5	4380.5	4304.0	4242.7	4189.1	4150.8	4097.2	4028.3	3905.7	3775.5
157.5°	4388.2	4357.6	4342.3	4326.9	4242.7	4166.1	4158.5	4097.2	3990.0	3898.1	3790.9
160°	4342.3	4265.7	4326.9	4235.0	4212.1	4150.8	4104.8	4066.6	3990.0	3905.7	3813.8
162.5°	4296.3	4273.3	4265.7	4212.1	4166.1	4127.8	4058.9	4081.9	3990.0	3913.4	3844.5
165°	4258.0	4235.0	4227.4	4212.1	4143.1	4112.5	4097.2	4051.2	4012.9	3936.4	3875.1
167.5°	4219.7	4181.4	4196.7	4181.4	4097.2	4120.2	4081.9	4051.2	4028.3	3967.0	3905.7
170°	4212.1	4135.5	4173.8	4166.1	4104.8	4097.2	4051.2	4043.6	4020.6	3974.7	3944.0
172.5°	4173.8	4120.2	4143.1	4120.2	4089.5	4066.6	4066.6	4074.2	4035.9	4005.3	3967.0
175°	4112.5	4081.9	4089.5	4112.5	4066.6	4051.2	4012.9	4043.6	4051.2	3997.6	3982.3
177.5°	4043.6	4074.2	4051.2	4081.9	4043.6	4035.9	4012.9	4035.9	4035.9	3990.0	3990.0
180°	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6



TEST NUMBER: P508370

CATALOG NUMBER: ASYX-X-L4-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°	23.0	30.6	30.6	38.3	45.9	45.9	53.6	53.6	61.3	68.9	76.6
95°	45.9	38.3	45.9	53.6	53.6	61.3	68.9	68.9	76.6	84.2	84.2
97.5°	91.9	61.3	61.3	61.3	68.9	68.9	76.6	84.2	91.9	91.9	91.9
100°	176.1	99.6	99.6	76.6	76.6	84.2	84.2	91.9	99.6	99.6	99.6
102.5°	306.3	183.8	145.5	99.6	91.9	91.9	99.6	99.6	107.2	107.2	107.2
105°	574.4	367.6	206.8	122.5	114.9	107.2	107.2	107.2	114.9	114.9	114.9
107.5°	1010.9	589.7	291.0	160.8	137.8	122.5	122.5	122.5	122.5	122.5	122.5
110°	1539.3	865.4	398.2	206.8	168.5	145.5	137.8	137.8	130.2	130.2	130.2
112.5°	2021.8	1133.4	505.4	252.7	199.1	168.5	153.2	145.5	145.5	137.8	130.2
115°	2328.1	1332.5	612.7	291.0	229.7	191.5	160.8	160.8	153.2	145.5	137.8
117.5°	2550.2	1539.3	742.9	352.3	268.0	222.1	176.1	168.5	160.8	160.8	153.2
120°	2764.6	1753.8	880.7	421.2	321.6	252.7	199.1	183.8	176.1	168.5	160.8
122.5°	2971.4	1960.5	1033.9	505.4	375.3	298.7	222.1	199.1	191.5	176.1	176.1
125°	3132.2	2175.0	1210.0	612.7	451.8	352.3	252.7	214.4	199.1	191.5	183.8
127.5°	3308.4	2389.4	1393.8	727.5	536.1	421.2	291.0	237.4	222.1	206.8	199.1
130°	3438.6	2596.2	1592.9	880.7	658.6	505.4	344.6	268.0	237.4	222.1	214.4
132.5°	3538.1	2772.3	1792.0	1049.2	804.1	612.7	413.5	321.6	268.0	245.1	229.7
135°	3568.8	2925.5	1998.8	1233.0	957.3	750.5	505.4	382.9	306.3	268.0	252.7
137.5°	3599.4	3048.0	2197.9	1439.8	1156.4	919.0	612.7	459.5	367.6	314.0	275.7
140°	3584.1	3139.9	2389.4	1669.5	1363.2	1102.8	758.2	559.1	444.2	375.3	321.6
142.5°	3576.4	3216.5	2588.5	1883.9	1577.6	1317.2	934.3	689.2	543.7	444.2	382.9
145°	3591.7	3270.1	2734.0	2113.7	1830.3	1562.3	1148.7	842.4	666.3	543.7	474.8
147.5°	3538.1	3300.7	2910.2	2312.8	2052.4	1792.0	1378.5	1049.2	834.8	681.6	582.0
150°	3584.1	3316.0	2986.7	2511.9	2266.9	2029.4	1631.2	1286.6	1041.5	857.7	735.2
152.5°	3576.4	3331.4	3071.0	2688.1	2481.3	2259.2	1861.0	1524.0	1263.6	1072.2	926.7
155°	3614.7	3339.0	3155.2	2864.2	2680.4	2481.3	2121.3	1799.7	1524.0	1332.5	1164.1
157.5°	3645.4	3438.6	3254.8	3025.0	2864.2	2695.7	2389.4	2090.7	1830.3	1631.2	1424.4
160°	3691.3	3492.2	3331.4	3155.2	3048.0	2871.9	2649.8	2412.4	2159.6	1945.2	1776.7
162.5°	3714.3	3576.4	3438.6	3262.4	3193.5	3071.0	2887.2	2711.0	2496.6	2297.5	2136.7
165°	3760.2	3622.4	3530.5	3385.0	3316.0	3208.8	3094.0	2933.1	2802.9	2634.5	2511.9
167.5°	3806.2	3714.3	3637.7	3522.8	3461.6	3385.0	3285.4	3178.2	3109.3	2979.1	2856.5
170°	3852.1	3775.5	3737.3	3683.6	3591.7	3530.5	3484.5	3407.9	3316.0	3254.8	3185.9
172.5°	3890.4	3859.8	3836.8	3821.5	3729.6	3683.6	3653.0	3568.8	3568.8	3484.5	3430.9
175°	3951.7	3852.1	3921.0	3882.8	3852.1	3813.8	3798.5	3775.5	3752.6	3721.9	3691.3
177.5°	3982.3	3967.0	3982.3	3967.0	3959.3	3921.0	3944.0	3921.0	3913.4	3905.7	3882.8
180°	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6



TEST NUMBER: P508370

CATALOG NUMBER: ASYX-X-L4-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°	84.2	84.2	91.9	91.9	91.9	91.9	99.6	91.9	84.2
95°	91.9	99.6	99.6	99.6	107.2	107.2	107.2	107.2	107.2
97.5°	99.6	99.6	107.2	107.2	107.2	114.9	114.9	114.9	114.9
100°	107.2	107.2	107.2	114.9	114.9	114.9	114.9	114.9	114.9
102.5°	107.2	107.2	107.2	114.9	114.9	114.9	114.9	114.9	114.9
105°	114.9	107.2	107.2	107.2	107.2	107.2	107.2	107.2	107.2
107.5°	114.9	114.9	107.2	107.2	107.2	107.2	107.2	107.2	107.2
110°	122.5	114.9	107.2	107.2	107.2	107.2	107.2	107.2	99.6
112.5°	130.2	122.5	114.9	107.2	107.2	107.2	107.2	99.6	99.6
115°	137.8	130.2	122.5	122.5	114.9	114.9	114.9	107.2	107.2
117.5°	145.5	137.8	130.2	130.2	122.5	122.5	114.9	114.9	114.9
120°	153.2	153.2	145.5	137.8	137.8	130.2	130.2	122.5	122.5
122.5°	168.5	153.2	153.2	153.2	153.2	145.5	137.8	137.8	137.8
125°	176.1	168.5	168.5	168.5	160.8	160.8	153.2	145.5	145.5
127.5°	191.5	183.8	183.8	176.1	176.1	168.5	168.5	160.8	160.8
130°	206.8	199.1	191.5	191.5	191.5	183.8	183.8	176.1	176.1
132.5°	222.1	214.4	214.4	206.8	206.8	199.1	199.1	191.5	191.5
135°	245.1	229.7	229.7	229.7	222.1	214.4	214.4	214.4	206.8
137.5°	260.4	252.7	245.1	237.4	237.4	237.4	229.7	229.7	229.7
140°	298.7	275.7	268.0	260.4	260.4	252.7	252.7	252.7	252.7
142.5°	344.6	321.6	298.7	291.0	283.4	275.7	275.7	268.0	268.0
145°	421.2	382.9	352.3	344.6	329.3	314.0	314.0	306.3	306.3
147.5°	513.1	467.2	428.9	413.5	405.9	390.6	375.3	367.6	359.9
150°	643.3	574.4	536.1	520.8	505.4	474.8	459.5	451.8	451.8
152.5°	811.8	735.2	673.9	643.3	628.0	597.3	574.4	566.7	574.4
155°	1018.6	926.7	865.4	827.1	796.5	758.2	742.9	735.2	719.9
157.5°	1309.6	1187.0	1095.1	1064.5	1026.2	987.9	964.9	942.0	926.7
160°	1623.6	1485.7	1401.5	1363.2	1317.2	1256.0	1225.3	1194.7	1179.4
162.5°	1968.2	1853.3	1753.8	1692.5	1669.5	1592.9	1562.3	1524.0	1531.7
165°	2351.1	2228.6	2152.0	2106.0	2044.8	2006.5	1983.5	1929.9	1906.9
167.5°	2757.0	2619.1	2580.8	2519.6	2466.0	2412.4	2412.4	2389.4	2366.4
170°	3063.3	3032.7	2986.7	2917.8	2910.2	2871.9	2871.9	2848.9	2856.5
172.5°	3354.3	3308.4	3308.4	3285.4	3262.4	3247.1	3208.8	3224.1	3224.1
175°	3645.4	3622.4	3607.1	3545.8	3561.1	3561.1	3538.1	3538.1	3553.5
177.5°	3882.8	3882.8	3867.4	3859.8	3852.1	3859.8	3867.4	3875.1	3859.8
180°	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6	3997.6

(END OF REPORT)