

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: P508383

Luminaire Tested: **ASYX-X-L5-X-U-HSS-L27-1-UNV-X-X-X-STD**

Issue Date: 4/5/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P508383  
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-L27-1-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: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

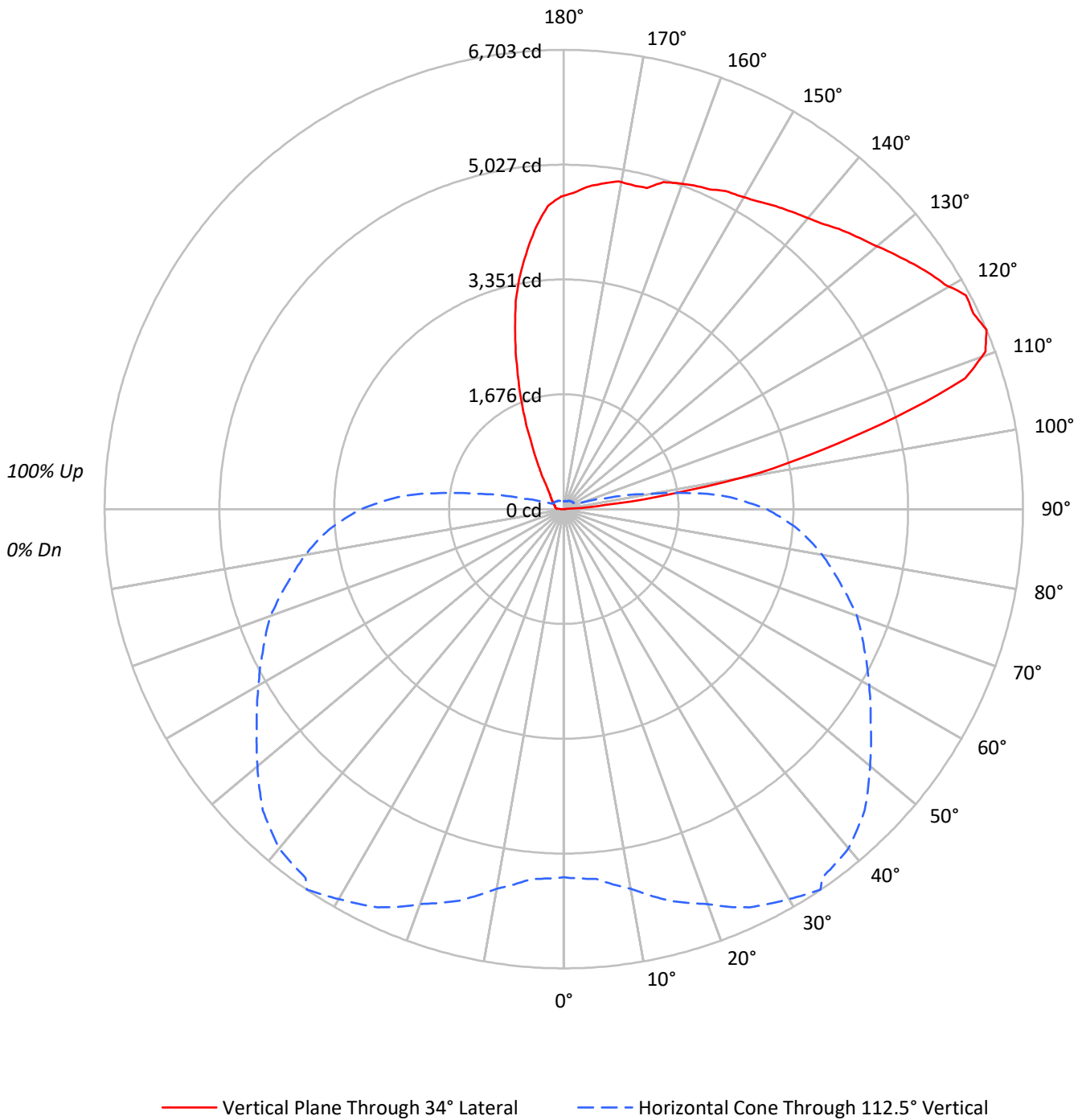
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15709.7 lumens  
Efficiency: N/A  
Efficacy: 58.2 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: P508383  
CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-UNV-X-X-X-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P508383

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-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°	716	8637	10070
100°	29250	17695	5418
105°	89646	28106	3391
110°	102858	48221	2383
115°	93777	56385	2077
120°	80267	54556	2006
125°	67456	52368	2077
130°	60876	49072	2244
135°	53919	45761	2394
140°	49853	41831	2702
145°	45626	38736	3062
150°	43228	35843	4272
155°	40615	34111	6504
160°	38772	33233	10277
165°	37134	32850	16165
170°	35850	32793	23751
175°	34433	32733	29208



TEST NUMBER: P508383

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-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°	305.5	1.9
100°-110°	1914.6	12.2
110°-120°	2959.5	18.8
120°-130°	2856.1	18.2
130°-140°	2480.6	15.8
140°-150°	2044.5	13.0
150°-160°	1611.1	10.3
160°-170°	1117.7	7.1
170°-180°	420.1	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°	5179.7	33.0
90°-150°	12560.9	80.0
90°-180°	15710.0	100.0
0°-180°	15709.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
90°	0	0	0	0	0	
95°	9	79	105	96	122	148
105°	3233	5191	1014	131	122	3173
115°	5523	6301	3321	166	122	5371
125°	5392	6143	4186	218	166	4931
135°	5313	5636	4509	306	236	4132
145°	5208	5269	4422	620	350	3302
155°	5130	5060	4308	1520	821	2364
165°	4998	4859	4422	3006	2176	1420
175°	4780	4693	4544	4247	4055	458
180°	4562	4562	4562	4562	4562	



TEST NUMBER: P508383

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-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	8.7	8.7	26.2	17.5	17.5	26.2	35.0	43.7	17.5
95°	8.7	8.7	17.5	227.2	681.6	751.5	716.6	690.4	603.0	524.3	131.1
97.5°	183.5	218.5	349.5	935.0	1896.3	2184.7	2324.5	1905.0	1564.2	1450.6	777.7
100°	707.8	821.4	1136.0	2149.7	3207.1	3277.0	3250.8	3163.4	2910.0	2744.0	2106.0
102.5°	1887.6	1966.2	2403.1	3303.2	3880.0	4002.3	4002.3	3923.7	3897.5	3845.0	3644.0
105°	3233.3	3320.7	3670.3	4133.4	4483.0	4614.0	4683.9	4858.7	5033.5	5059.7	5252.0
107.5°	4133.4	4220.8	4491.7	4841.2	5295.7	5461.7	5662.7	5942.3	6160.8	6134.6	6090.9
110°	4902.4	4998.5	5252.0	5601.5	5933.6	6134.6	6326.8	6449.2	6571.5	6449.2	6388.0
112.5°	5374.3	5418.0	5627.7	5916.1	6134.6	6283.1	6414.2	6571.5	6702.6	6571.5	6466.6
115°	5522.9	5549.1	5732.6	5933.6	6169.5	6309.4	6405.5	6571.5	6623.9	6597.7	6510.3
117.5°	5514.1	5627.7	5785.0	5924.8	6152.1	6265.7	6361.8	6492.9	6650.2	6580.3	6492.9
120°	5592.8	5601.5	5767.6	5933.6	6099.6	6195.7	6195.7	6388.0	6457.9	6440.4	6423.0
122.5°	5566.6	5592.8	5732.6	5837.5	6012.2	6090.9	6169.5	6265.7	6344.3	6318.1	6318.1
125°	5391.8	5557.8	5636.5	5758.8	5924.8	5977.3	6055.9	6134.6	6204.5	6178.3	6169.5
127.5°	5496.7	5505.4	5575.3	5706.4	5811.2	5846.2	5933.6	6003.5	6073.4	6064.7	6082.1
130°	5453.0	5426.7	5592.8	5645.2	5723.9	5785.0	5828.7	5889.9	5942.3	5942.3	5959.8
132.5°	5418.0	5418.0	5470.4	5575.3	5645.2	5688.9	5758.8	5776.3	5837.5	5854.9	5820.0
135°	5313.1	5383.0	5461.7	5496.7	5575.3	5610.3	5645.2	5680.2	5732.6	5750.1	5688.9
137.5°	5208.3	5313.1	5418.0	5470.4	5531.6	5531.6	5531.6	5584.0	5610.3	5636.5	5575.3
140°	5321.9	5313.1	5409.3	5400.5	5435.5	5426.7	5487.9	5496.7	5531.6	5514.1	5479.2
142.5°	5295.7	5295.7	5321.9	5356.8	5348.1	5365.6	5409.3	5453.0	5453.0	5470.4	5409.3
145°	5208.3	5234.5	5278.2	5313.1	5313.1	5304.4	5356.8	5365.6	5383.0	5374.3	5339.4
147.5°	5243.2	5243.2	5243.2	5286.9	5286.9	5286.9	5295.7	5304.4	5304.4	5313.1	5286.9
150°	5217.0	5225.8	5243.2	5225.8	5269.4	5199.5	5243.2	5243.2	5243.2	5252.0	5234.5
152.5°	5042.2	5164.6	5208.3	5199.5	5164.6	5182.1	5190.8	5225.8	5208.3	5225.8	5173.3
155°	5129.6	5120.9	5129.6	5138.4	5112.1	5129.6	5138.4	5138.4	5129.6	5138.4	5094.7
157.5°	5103.4	5094.7	5138.4	5085.9	5112.1	5129.6	5094.7	5120.9	5094.7	5129.6	5112.1
160°	5077.2	5059.7	5094.7	5059.7	5094.7	5051.0	5024.8	5068.5	5042.2	5103.4	5016.0
162.5°	5042.2	5033.5	5068.5	5024.8	4989.8	4972.3	4998.5	5007.3	4989.8	5007.3	4963.6
165°	4998.5	4998.5	4998.5	4954.9	4981.1	4981.1	4946.1	4954.9	4841.2	4963.6	4911.2
167.5°	4963.6	4998.5	4954.9	4911.2	4963.6	4963.6	4902.4	4911.2	4832.5	4893.7	4867.5
170°	4919.9	4884.9	4893.7	4893.7	4937.4	4858.7	4815.0	4893.7	4850.0	4893.7	4850.0
172.5°	4815.0	4850.0	4850.0	4832.5	4806.3	4806.3	4797.6	4815.0	4788.8	4797.6	4771.3
175°	4780.1	4780.1	4797.6	4823.8	4771.3	4762.6	4710.2	4753.9	4727.6	4745.1	4718.9
177.5°	4649.0	4718.9	4710.2	4649.0	4683.9	4631.5	4657.7	4675.2	4622.8	4666.5	4622.8
180°	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6



TEST NUMBER: P508383

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-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°	17.5	17.5	17.5	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
95°	78.6	104.9	253.4	209.7	157.3	148.6	166.0	148.6	131.1	113.6	104.9
97.5°	629.2	707.8	742.8	655.4	646.7	594.2	533.1	402.0	367.0	323.3	253.4
100°	1721.5	1529.3	1433.1	1275.9	1031.2	935.0	856.4	707.8	576.8	506.8	428.2
102.5°	3294.5	2936.2	2473.1	1983.7	1616.7	1476.8	1319.5	1101.1	926.3	769.0	637.9
105°	5190.8	4509.2	3609.1	2953.7	2464.3	2158.5	2018.6	1669.1	1380.7	1205.9	1013.7
107.5°	5820.0	5383.0	4823.8	4142.1	3565.4	3285.8	2979.9	2516.7	2149.7	1826.4	1538.0
110°	6082.1	5706.4	5286.9	4884.9	4491.7	4238.3	4028.5	3556.7	3102.2	2700.3	2298.3
112.5°	6213.2	5837.5	5470.4	5147.1	4841.2	4701.4	4552.9	4177.1	3827.6	3443.1	2962.4
115°	6300.6	6003.5	5680.2	5339.4	5103.4	4954.9	4823.8	4483.0	4159.6	3810.1	3320.7
117.5°	6344.3	6047.2	5811.2	5531.6	5286.9	5164.6	5024.8	4718.9	4395.6	4072.2	3582.9
120°	6291.9	6090.9	5898.6	5662.7	5426.7	5304.4	5190.8	4884.9	4587.8	4282.0	3801.3
122.5°	6222.0	6108.4	5959.8	5723.9	5549.1	5444.2	5348.1	5042.2	4780.1	4430.5	3993.6
125°	6143.3	6029.7	5872.4	5723.9	5584.0	5505.4	5435.5	5164.6	4893.7	4596.6	4185.8
127.5°	6021.0	5916.1	5793.8	5671.4	5566.6	5487.9	5461.7	5225.8	4972.3	4710.2	4290.7
130°	5889.9	5802.5	5697.6	5575.3	5505.4	5418.0	5426.7	5217.0	5016.0	4771.3	4395.6
132.5°	5715.1	5653.9	5627.7	5496.7	5426.7	5383.0	5321.9	5182.1	5016.0	4823.8	4465.5
135°	5636.5	5575.3	5531.6	5418.0	5313.1	5295.7	5208.3	5129.6	4989.8	4850.0	4509.2
137.5°	5496.7	5461.7	5435.5	5313.1	5208.3	5208.3	5182.1	5077.2	4954.9	4762.6	4474.2
140°	5435.5	5391.8	5321.9	5225.8	5164.6	5112.1	5085.9	4998.5	4850.0	4701.4	4465.5
142.5°	5330.6	5295.7	5278.2	5190.8	5094.7	5042.2	4989.8	4893.7	4788.8	4683.9	4430.5
145°	5269.4	5260.7	5243.2	5155.8	5007.3	4981.1	4963.6	4858.7	4762.6	4596.6	4421.8
147.5°	5190.8	5199.5	5182.1	5077.2	4981.1	4919.9	4876.2	4780.1	4710.2	4570.3	4351.9
150°	5138.4	5147.1	5129.6	4998.5	4893.7	4867.5	4850.0	4753.9	4622.8	4509.2	4325.7
152.5°	5112.1	5085.9	5042.2	4989.8	4876.2	4815.0	4797.6	4692.7	4622.8	4483.0	4308.2
155°	5059.7	5024.8	4998.5	4911.2	4841.2	4780.1	4736.4	4675.2	4596.6	4456.7	4308.2
157.5°	5007.3	4972.3	4954.9	4937.4	4841.2	4753.9	4745.1	4675.2	4552.9	4448.0	4325.7
160°	4954.9	4867.5	4937.4	4832.5	4806.3	4736.4	4683.9	4640.3	4552.9	4456.7	4351.9
162.5°	4902.4	4876.2	4867.5	4806.3	4753.9	4710.2	4631.5	4657.7	4552.9	4465.5	4386.8
165°	4858.7	4832.5	4823.8	4806.3	4727.6	4692.7	4675.2	4622.8	4579.1	4491.7	4421.8
167.5°	4815.0	4771.3	4788.8	4771.3	4675.2	4701.4	4657.7	4622.8	4596.6	4526.7	4456.7
170°	4806.3	4718.9	4762.6	4753.9	4683.9	4675.2	4622.8	4614.0	4587.8	4535.4	4500.4
172.5°	4762.6	4701.4	4727.6	4701.4	4666.5	4640.3	4640.3	4649.0	4605.3	4570.3	4526.7
175°	4692.7	4657.7	4666.5	4692.7	4640.3	4622.8	4579.1	4614.0	4622.8	4561.6	4544.1
177.5°	4614.0	4649.0	4622.8	4657.7	4614.0	4605.3	4579.1	4605.3	4605.3	4552.9	4552.9
180°	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6



TEST NUMBER: P508383

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-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°	26.2	35.0	35.0	43.7	52.4	52.4	61.2	61.2	69.9	78.6	87.4
95°	52.4	43.7	52.4	61.2	61.2	69.9	78.6	78.6	87.4	96.1	96.1
97.5°	104.9	69.9	69.9	69.9	78.6	78.6	87.4	96.1	104.9	104.9	104.9
100°	201.0	113.6	113.6	87.4	87.4	96.1	96.1	104.9	113.6	113.6	113.6
102.5°	349.5	209.7	166.0	113.6	104.9	104.9	113.6	113.6	122.3	122.3	122.3
105°	655.4	419.5	235.9	139.8	131.1	122.3	122.3	122.3	131.1	131.1	131.1
107.5°	1153.5	672.9	332.1	183.5	157.3	139.8	139.8	139.8	139.8	139.8	139.8
110°	1756.5	987.5	454.4	235.9	192.3	166.0	157.3	157.3	148.6	148.6	148.6
112.5°	2307.0	1293.3	576.8	288.4	227.2	192.3	174.8	166.0	166.0	157.3	148.6
115°	2656.6	1520.5	699.1	332.1	262.2	218.5	183.5	183.5	174.8	166.0	157.3
117.5°	2910.0	1756.5	847.7	402.0	305.9	253.4	201.0	192.3	183.5	183.5	174.8
120°	3154.7	2001.2	1005.0	480.6	367.0	288.4	227.2	209.7	201.0	192.3	183.5
122.5°	3390.6	2237.1	1179.7	576.8	428.2	340.8	253.4	227.2	218.5	201.0	201.0
125°	3574.1	2481.8	1380.7	699.1	515.6	402.0	288.4	244.7	227.2	218.5	209.7
127.5°	3775.1	2726.5	1590.4	830.2	611.7	480.6	332.1	270.9	253.4	235.9	227.2
130°	3923.7	2962.4	1817.7	1005.0	751.5	576.8	393.2	305.9	270.9	253.4	244.7
132.5°	4037.3	3163.4	2044.9	1197.2	917.6	699.1	471.9	367.0	305.9	279.6	262.2
135°	4072.2	3338.2	2280.8	1406.9	1092.3	856.4	576.8	436.9	349.5	305.9	288.4
137.5°	4107.2	3478.0	2508.0	1642.9	1319.5	1048.6	699.1	524.3	419.5	358.3	314.6
140°	4089.7	3582.9	2726.5	1905.0	1555.5	1258.4	865.1	637.9	506.8	428.2	367.0
142.5°	4081.0	3670.3	2953.7	2149.7	1800.2	1503.1	1066.1	786.5	620.4	506.8	436.9
145°	4098.5	3731.4	3119.7	2411.9	2088.6	1782.7	1310.8	961.3	760.3	620.4	541.8
147.5°	4037.3	3766.4	3320.7	2639.1	2342.0	2044.9	1573.0	1197.2	952.5	777.7	664.1
150°	4089.7	3783.9	3408.1	2866.3	2586.7	2315.8	1861.3	1468.1	1188.5	978.7	838.9
152.5°	4081.0	3801.3	3504.2	3067.3	2831.3	2577.9	2123.5	1739.0	1441.9	1223.4	1057.4
155°	4124.7	3810.1	3600.3	3268.3	3058.5	2831.3	2420.6	2053.6	1739.0	1520.5	1328.3
157.5°	4159.6	3923.7	3714.0	3451.8	3268.3	3076.0	2726.5	2385.7	2088.6	1861.3	1625.4
160°	4212.1	3984.9	3801.3	3600.3	3478.0	3277.0	3023.6	2752.7	2464.3	2219.6	2027.4
162.5°	4238.3	4081.0	3923.7	3722.7	3644.0	3504.2	3294.5	3093.5	2848.8	2621.6	2438.1
165°	4290.7	4133.4	4028.5	3862.5	3783.9	3661.5	3530.4	3346.9	3198.4	3006.1	2866.3
167.5°	4343.1	4238.3	4150.9	4019.8	3949.9	3862.5	3748.9	3626.6	3547.9	3399.4	3259.5
170°	4395.6	4308.2	4264.5	4203.3	4098.5	4028.5	3976.1	3888.7	3783.9	3714.0	3635.3
172.5°	4439.3	4404.3	4378.1	4360.6	4255.8	4203.3	4168.4	4072.2	4072.2	3976.1	3914.9
175°	4509.2	4395.6	4474.2	4430.5	4395.6	4351.9	4334.4	4308.2	4282.0	4247.0	4212.1
177.5°	4544.1	4526.7	4544.1	4526.7	4517.9	4474.2	4500.4	4474.2	4465.5	4456.7	4430.5
180°	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6





TEST NUMBER: P508383

CATALOG NUMBER: ASYX-X-L5-X-U-HSS-L27-1-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°	96.1	96.1	104.9	104.9	104.9	104.9	113.6	104.9	96.1
95°	104.9	113.6	113.6	113.6	122.3	122.3	122.3	122.3	122.3
97.5°	113.6	113.6	122.3	122.3	122.3	131.1	131.1	131.1	131.1
100°	122.3	122.3	122.3	131.1	131.1	131.1	131.1	131.1	131.1
102.5°	122.3	122.3	122.3	131.1	131.1	131.1	131.1	131.1	131.1
105°	131.1	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
107.5°	131.1	131.1	122.3	122.3	122.3	122.3	122.3	122.3	122.3
110°	139.8	131.1	122.3	122.3	122.3	122.3	122.3	122.3	113.6
112.5°	148.6	139.8	131.1	122.3	122.3	122.3	122.3	113.6	113.6
115°	157.3	148.6	139.8	139.8	131.1	131.1	131.1	122.3	122.3
117.5°	166.0	157.3	148.6	148.6	139.8	139.8	131.1	131.1	131.1
120°	174.8	174.8	166.0	157.3	157.3	148.6	148.6	139.8	139.8
122.5°	192.3	174.8	174.8	174.8	174.8	166.0	157.3	157.3	157.3
125°	201.0	192.3	192.3	192.3	183.5	183.5	174.8	166.0	166.0
127.5°	218.5	209.7	209.7	201.0	201.0	192.3	192.3	183.5	183.5
130°	235.9	227.2	218.5	218.5	218.5	209.7	209.7	201.0	201.0
132.5°	253.4	244.7	244.7	235.9	235.9	227.2	227.2	218.5	218.5
135°	279.6	262.2	262.2	262.2	253.4	244.7	244.7	244.7	235.9
137.5°	297.1	288.4	279.6	270.9	270.9	270.9	262.2	262.2	262.2
140°	340.8	314.6	305.9	297.1	297.1	288.4	288.4	288.4	288.4
142.5°	393.2	367.0	340.8	332.1	323.3	314.6	314.6	305.9	305.9
145°	480.6	436.9	402.0	393.2	375.8	358.3	358.3	349.5	349.5
147.5°	585.5	533.1	489.4	471.9	463.2	445.7	428.2	419.5	410.7
150°	734.1	655.4	611.7	594.2	576.8	541.8	524.3	515.6	515.6
152.5°	926.3	838.9	769.0	734.1	716.6	681.6	655.4	646.7	655.4
155°	1162.2	1057.4	987.5	943.8	908.8	865.1	847.7	838.9	821.4
157.5°	1494.3	1354.5	1249.6	1214.7	1171.0	1127.3	1101.1	1074.9	1057.4
160°	1852.6	1695.3	1599.2	1555.5	1503.1	1433.1	1398.2	1363.2	1345.8
162.5°	2245.8	2114.8	2001.2	1931.3	1905.0	1817.7	1782.7	1739.0	1747.7
165°	2682.8	2543.0	2455.6	2403.1	2333.2	2289.5	2263.3	2202.2	2175.9
167.5°	3145.9	2988.6	2944.9	2875.0	2813.9	2752.7	2752.7	2726.5	2700.3
170°	3495.5	3460.5	3408.1	3329.4	3320.7	3277.0	3277.0	3250.8	3259.5
172.5°	3827.6	3775.1	3775.1	3748.9	3722.7	3705.2	3661.5	3679.0	3679.0
175°	4159.6	4133.4	4115.9	4046.0	4063.5	4063.5	4037.3	4037.3	4054.8
177.5°	4430.5	4430.5	4413.0	4404.3	4395.6	4404.3	4413.0	4421.8	4404.3
180°	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6	4561.6

(END OF REPORT)