

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1436807

Luminaire Tested: XAS300-SFPM (4000K-240W-T3)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436807
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-240W-T3)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 3
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

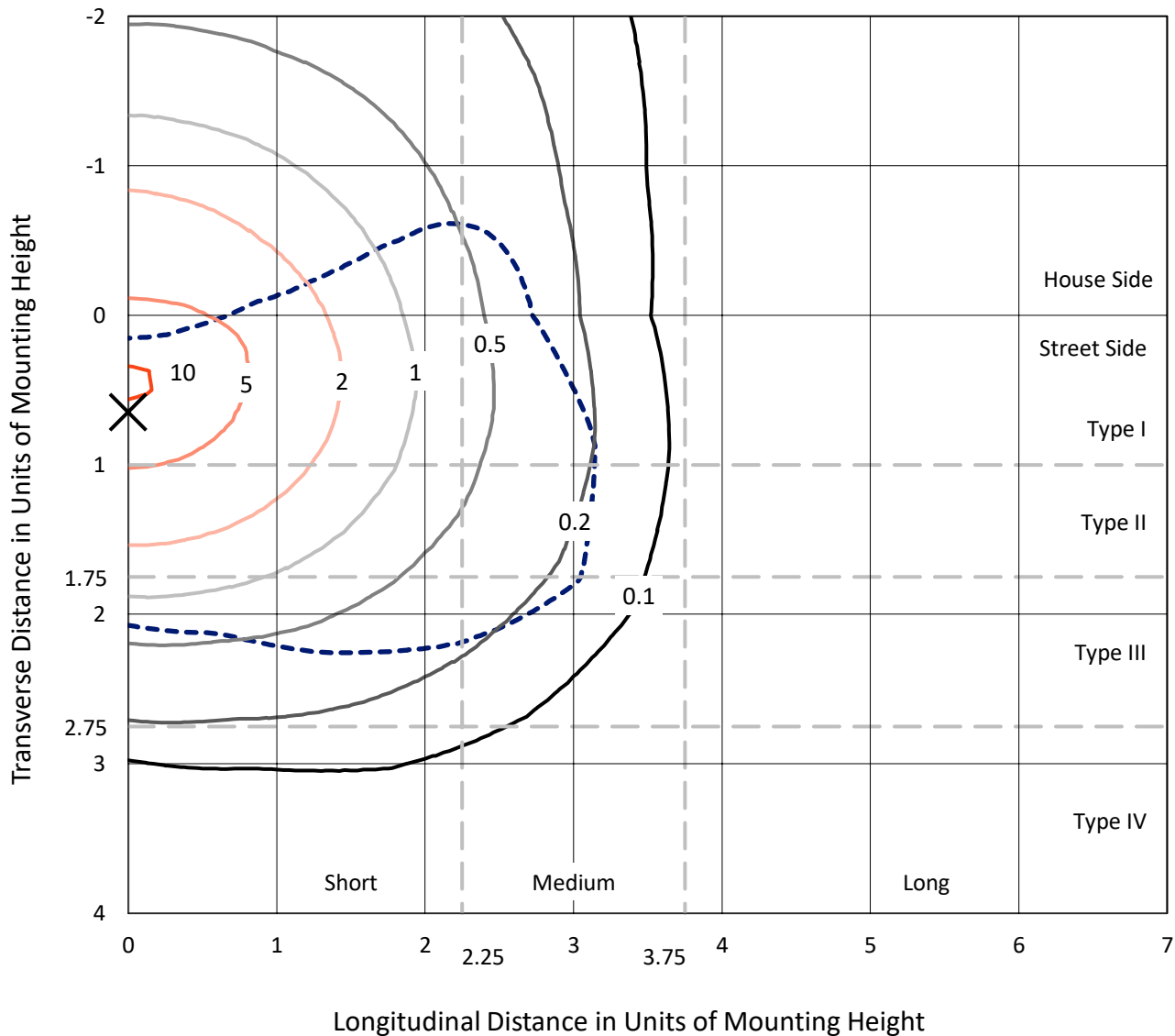
Lumens per Lamp: 45292 (1 lamp)
Luminaire Lumens: 38101.4 lumens
Efficiency: 84.1%
Efficacy: 159.8 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 238.4
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: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

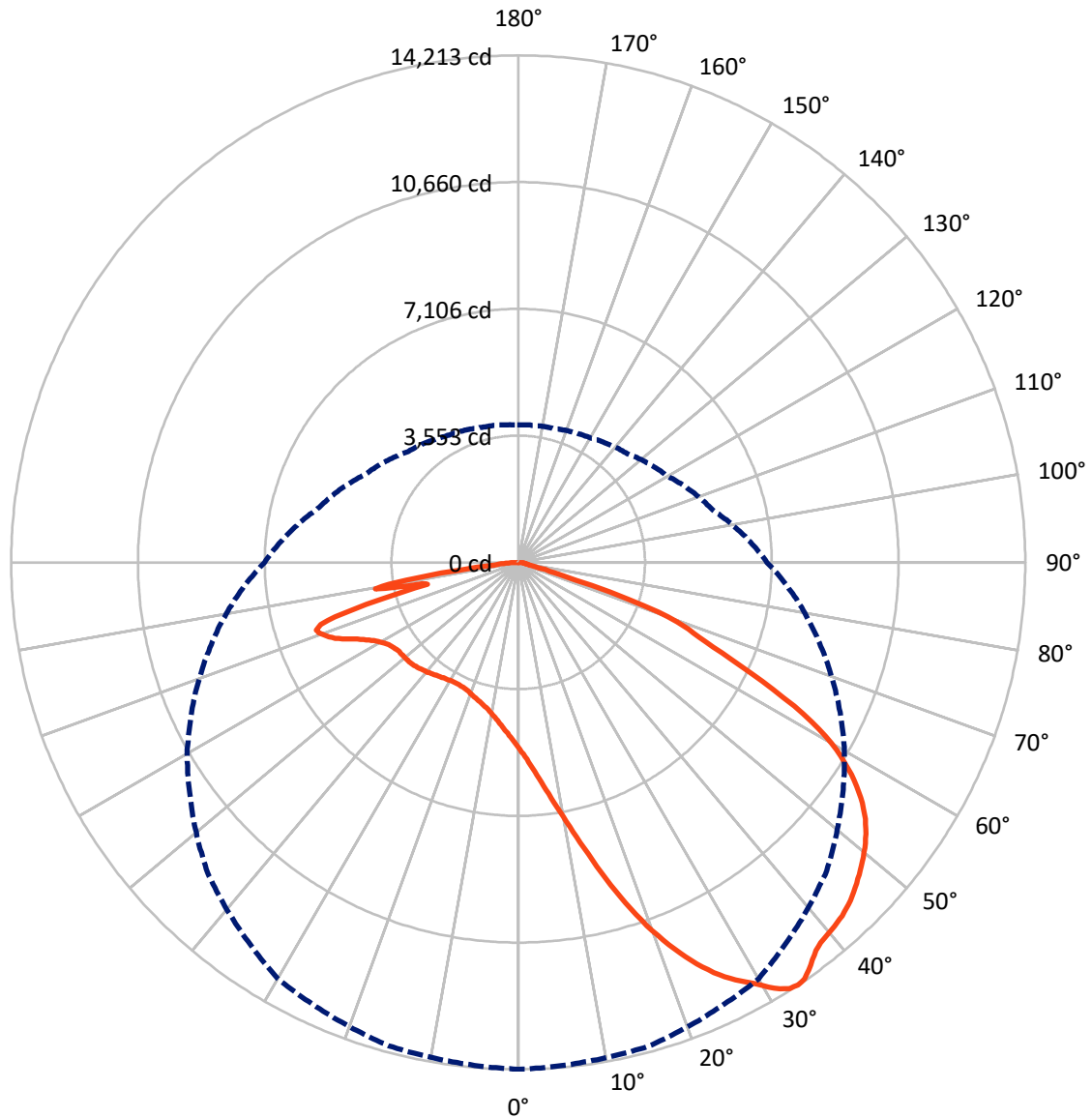
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

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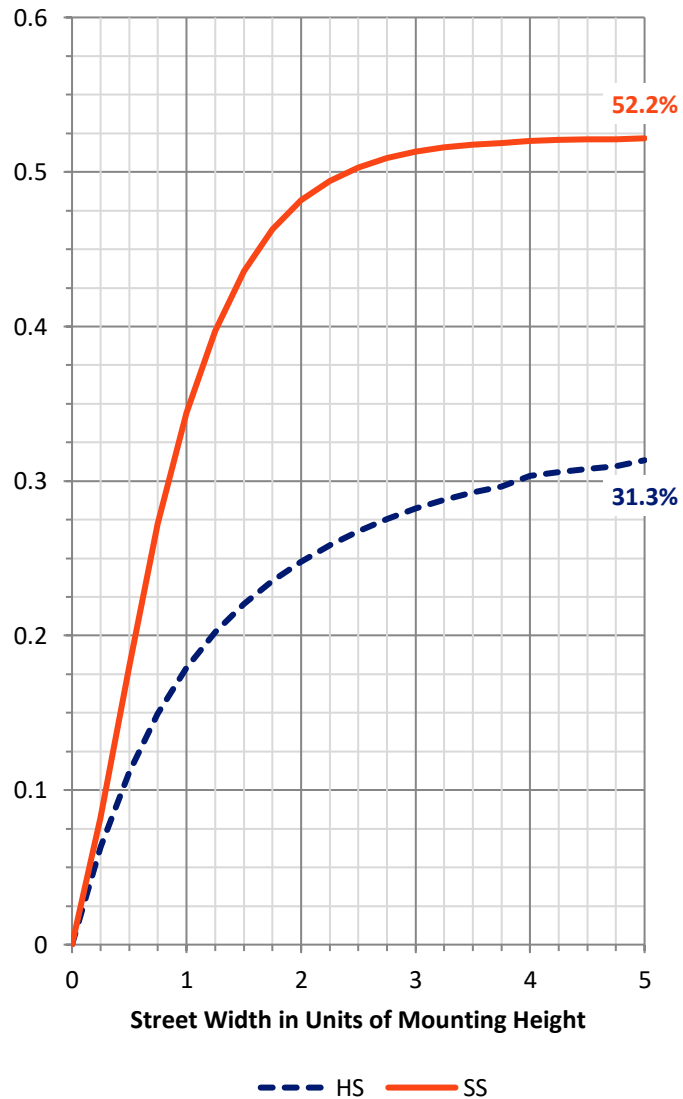
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14448.0	0.0	14448.0
	% Lamp	31.9	0.0	31.9
Street Side	Lumens	23653.3	0.0	23653.3
	% Lamp	52.2	0.0	52.2
Total	Lumens	38101.4	0.0	38101.4
	% Lamp	84.1	0.0	84.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	519.9	1.4	1.1
10°-20°	1767.1	4.6	3.9
20°-30°	3422.2	9.0	7.6
30°-40°	5174.2	13.6	11.4
40°-50°	6530.6	17.1	14.4
50°-60°	7533.0	19.8	16.6
60°-70°	7509.4	19.7	16.6
70°-80°	4897.1	12.9	10.8
80°-90°	747.7	2.0	1.7
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	38101.4	100.0	84.1
0°-180°	38101.4	100.0	84.1

Coefficient of Utilization



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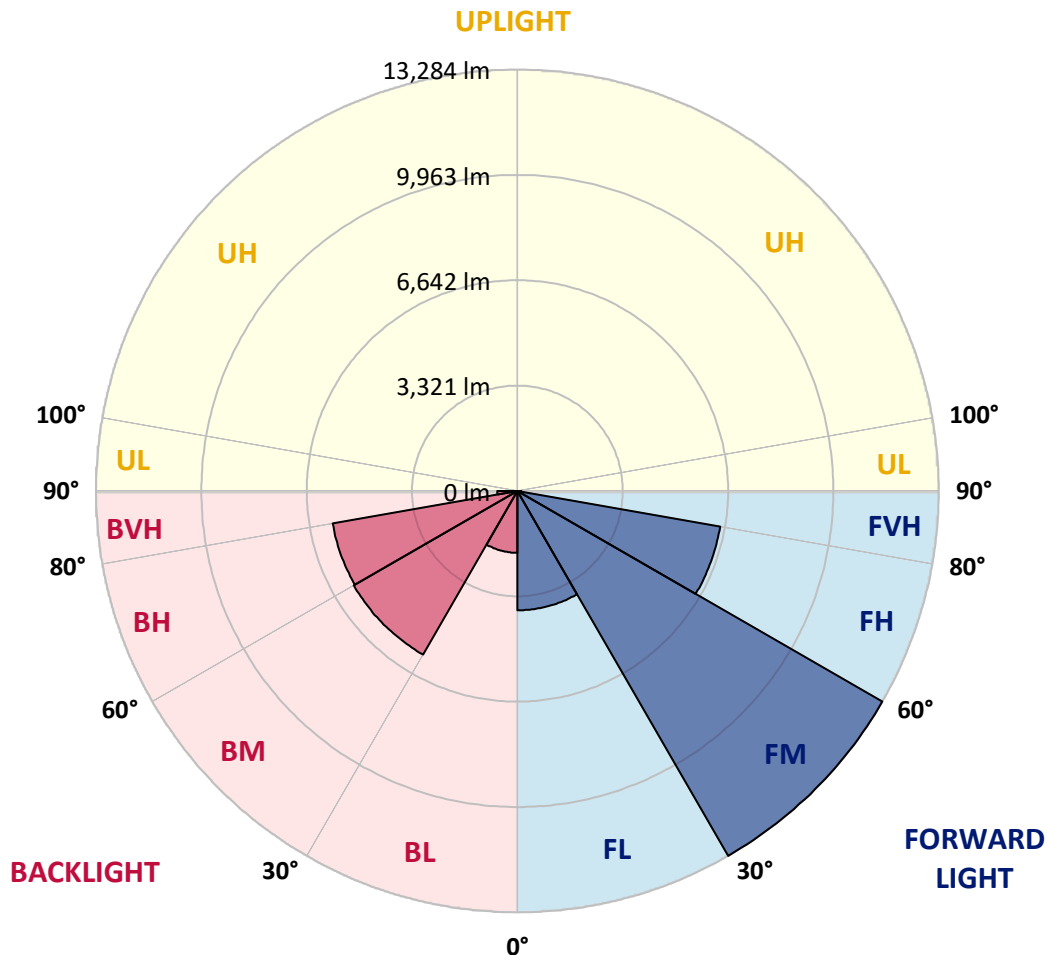
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3760.0	8.3			
FM (30°-60°)	13284.5	29.3			
FH (60°-80°)	6493.8	14.3			G3/7500
FVH (80°-90°)	115.1	0.3			G2/225
BL (0°-30°)	1949.3	4.3	B3/2500		
BM (30°-60°)	5953.4	13.1	B4/8500		
BH (60°-80°)	5912.7	13.1	B5		G5
BVH (80°-90°)	632.7	1.4			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	7190.6	15.9			

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9
1°	5377.4	5375.7	5363.3	5345.4	5320.0	5289.9	5230.6	5197.2	5169.0	5145.0	5128.1
2°	5527.6	5520.2	5491.8	5446.0	5389.1	5325.3	5231.6	5165.5	5108.1	5060.3	5026.8
3°	5694.5	5677.9	5629.7	5556.3	5465.6	5365.8	5236.5	5139.1	5053.4	4984.0	4933.9
4°	5881.2	5854.0	5785.2	5681.7	5551.7	5413.4	5247.4	5117.5	5006.2	4915.1	4852.0
5°	6082.9	6049.1	5954.7	5813.7	5648.1	5468.4	5264.5	5102.3	4962.8	4853.8	4776.3
6°	6307.3	6263.7	6143.1	5963.6	5751.4	5526.3	5283.3	5089.5	4925.4	4797.7	4701.7
7°	6547.2	6497.9	6348.4	6124.9	5861.7	5589.1	5304.6	5079.4	4891.0	4741.2	4629.9
8°	6806.4	6741.2	6565.8	6299.2	5981.1	5657.0	5331.1	5073.0	4859.5	4687.8	4565.0
9°	7085.8	7009.9	6803.2	6484.7	6108.4	5731.6	5361.9	5068.5	4827.7	4638.7	4503.8
10°	7385.4	7295.7	7050.1	6685.3	6246.1	5811.4	5396.2	5067.2	4799.1	4595.1	4447.8
11°	7710.3	7604.9	7320.6	6897.9	6390.7	5896.9	5432.3	5068.0	4771.2	4553.2	4396.3
12°	8047.9	7928.2	7605.4	7119.8	6546.2	5988.2	5473.4	5072.8	4748.1	4514.7	4350.9
13°	8416.7	8281.9	7904.0	7354.8	6710.9	6084.4	5519.8	5079.8	4727.9	4478.8	4309.0
14°	8805.3	8650.5	8222.4	7603.5	6884.9	6187.4	5572.8	5090.3	4709.1	4446.7	4271.8
15°	9203.2	9029.1	8548.7	7859.9	7062.8	6293.4	5627.8	5104.8	4695.2	4417.6	4239.9
16°	9608.7	9412.7	8883.6	8127.0	7251.0	6405.8	5686.7	5122.6	4684.3	4391.6	4208.7
17°	10015.0	9798.0	9220.9	8394.7	7446.1	6527.4	5748.5	5142.1	4675.0	4369.3	4182.4
18°	10413.8	10182.4	9560.8	8667.4	7646.3	6651.9	5814.4	5165.9	4668.7	4350.9	4158.9
19°	10803.3	10555.1	9892.2	8939.1	7843.7	6778.9	5882.7	5193.1	4668.2	4334.5	4139.0
20°	11175.1	10918.5	10215.3	9204.9	8045.1	6908.4	5953.6	5222.5	4669.8	4322.9	4122.4
21°	11530.1	11267.6	10529.0	9469.9	8247.2	7042.2	6025.1	5253.5	4673.5	4313.7	4106.3
22°	11853.2	11590.7	10823.5	9726.5	8447.0	7175.4	6097.9	5286.3	4681.5	4306.3	4092.2
23°	12168.6	11907.0	11111.2	9977.2	8652.2	7313.9	6169.8	5318.4	4690.1	4302.0	4082.3
24°	12460.5	12201.4	11391.3	10217.8	8846.5	7447.2	6241.7	5350.2	4700.3	4298.9	4072.4
25°	12739.8	12488.3	11662.2	10455.0	9037.5	7582.2	6314.0	5379.8	4712.4	4298.3	4063.8
26°	12980.4	12741.5	11925.5	10685.5	9227.6	7722.9	6386.7	5411.1	4726.3	4297.5	4055.2
27°	13191.6	12967.0	12177.0	10906.8	9420.3	7864.3	6460.4	5442.4	4739.7	4297.5	4047.6
28°	13381.7	13166.3	12406.7	11130.5	9603.7	8003.2	6537.4	5472.5	4752.5	4298.7	4040.9
29°	13581.9	13358.1	12622.1	11347.6	9783.7	8150.2	6617.7	5504.6	4765.6	4298.9	4037.1
30°	13823.4	13587.0	12842.5	11567.1	9962.9	8301.0	6701.7	5538.8	4780.5	4299.8	4035.4
31°	14021.0	13799.0	13075.5	11791.7	10149.6	8448.6	6788.9	5574.0	4797.0	4303.0	4034.2
32°	14164.9	13962.2	13294.2	12013.0	10347.3	8595.0	6879.3	5612.5	4814.9	4308.6	4033.7
33°	14212.9	14051.3	13476.8	12225.8	10558.5	8741.4	6972.2	5649.2	4832.0	4314.0	4032.6
34°	14165.7	14034.5	13589.5	12423.5	10764.6	8908.0	7068.1	5693.6	4848.7	4321.3	4032.6
35°	14032.8	13924.3	13602.1	12572.4	10936.2	9082.9	7167.2	5740.8	4868.2	4331.0	4036.2
36°	13860.4	13779.6	13531.4	12658.2	11088.5	9256.2	7268.4	5790.5	4891.9	4343.4	4046.4
37°	13708.9	13611.4	13418.7	12670.0	11199.5	9398.4	7372.1	5835.5	4917.3	4360.8	4063.6
38°	13624.0	13497.8	13301.8	12625.4	11274.4	9521.2	7478.1	5880.4	4944.2	4384.6	4088.6
39°	13574.3	13437.2	13211.8	12569.9	11302.1	9618.0	7585.3	5928.5	4973.2	4414.5	4116.4
40°	13535.6	13396.8	13163.0	12532.0	11292.9	9681.9	7677.0	5979.7	5005.3	4449.4	4147.7
41°	13491.9	13364.0	13135.2	12510.2	11290.4	9715.5	7749.1	6038.8	5042.0	4488.0	4178.8
42°	13437.2	13327.9	13115.0	12509.3	11305.5	9745.0	7802.1	6089.4	5081.0	4528.3	4207.7
43°	13369.1	13286.6	13091.5	12525.3	11329.9	9782.8	7839.8	6129.7	5126.1	4572.3	4233.2
44°	13286.6	13236.2	13062.9	12543.8	11361.0	9840.1	7875.9	6166.2	5172.3	4615.7	4256.8



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	13185.7	13171.4	13026.7	12556.4	11403.9	9902.3	7918.9	6207.4	5218.7	4659.8	4277.3
46°	13073.8	13094.0	12981.3	12561.5	11451.0	9964.6	7969.0	6251.1	5264.9	4702.8	4295.0
47°	12956.9	13008.2	12924.9	12558.1	11503.2	10028.5	8020.5	6301.4	5309.9	4742.9	4311.9
48°	12837.4	12919.0	12861.8	12543.8	11549.5	10089.9	8072.0	6355.7	5357.6	4781.7	4328.9
49°	12716.3	12820.6	12782.7	12521.1	11590.7	10150.5	8121.3	6414.3	5407.4	4818.6	4350.3
50°	12586.7	12718.0	12696.9	12488.3	11622.7	10206.8	8168.8	6479.4	5456.6	4851.9	4373.9
51°	12443.7	12601.9	12600.2	12447.9	11651.3	10257.3	8210.7	6544.9	5505.5	4887.1	4402.2
52°	12281.4	12466.4	12491.7	12397.4	11674.8	10302.7	8247.9	6607.7	5553.3	4923.2	4434.5
53°	12100.5	12313.3	12378.9	12341.9	11686.6	10339.8	8281.0	6670.8	5608.6	4963.3	4474.3
54°	11887.6	12129.1	12256.1	12272.9	11689.1	10370.0	8309.8	6730.7	5669.6	5007.3	4518.1
55°	11654.6	11911.2	12119.0	12189.7	11684.1	10392.8	8335.6	6788.5	5730.8	5058.2	4566.8
56°	11382.1	11662.2	11960.0	12092.9	11666.4	10407.1	8359.3	6847.2	5794.8	5114.5	4616.8
57°	11075.0	11380.4	11775.8	11981.9	11636.1	10412.9	8376.3	6903.3	5865.6	5178.0	4670.8
58°	10725.9	11059.0	11562.9	11854.0	11587.3	10408.7	8385.2	6954.7	5940.0	5247.4	4733.0
59°	10354.9	10704.9	11326.5	11713.5	11523.4	10392.8	8387.1	6997.9	6017.3	5321.6	4799.0
60°	9909.9	10312.8	11061.5	11553.7	11440.9	10361.6	8380.2	7040.4	6094.5	5401.2	4871.2
61°	9363.9	9863.6	10763.7	11368.6	11336.6	10309.5	8360.3	7077.0	6178.9	5488.8	4950.1
62°	8717.0	9322.7	10430.6	11154.1	11218.0	10235.4	8325.8	7104.7	6265.8	5584.3	5036.3
63°	7984.7	8717.8	10045.3	10912.6	11079.2	10151.3	8289.7	7123.4	6352.4	5687.2	5125.3
64°	7242.6	8063.2	9621.3	10641.8	10916.8	10047.0	8239.6	7131.2	6432.7	5800.4	5222.7
65°	6548.3	7408.6	9140.1	10336.4	10736.8	9920.8	8170.0	7127.7	6510.4	5922.9	5337.6
66°	5957.7	6783.6	8633.7	9989.8	10529.0	9778.6	8072.1	7114.0	6575.3	6050.8	5477.4
67°	5495.9	6208.5	8122.0	9599.5	10280.0	9594.4	7935.8	7069.7	6640.5	6187.4	5637.0
68°	5127.4	5707.9	7598.6	9166.2	9999.0	9356.3	7737.9	6989.9	6696.6	6334.0	5817.6
69°	4753.5	5280.8	7077.9	8692.6	9664.2	9066.1	7445.4	6841.3	6744.3	6489.0	6022.6
70°	4167.7	4849.1	6559.9	8192.1	9271.4	8706.1	7009.2	6582.0	6772.2	6652.6	6247.4
71°	3252.4	4284.4	6060.2	7685.0	8830.6	8241.8	6415.7	6201.8	6756.2	6826.5	6488.6
72°	2160.2	3497.2	5551.0	7181.0	8334.6	7696.6	5763.4	5740.4	6681.1	7000.6	6714.0
73°	1211.6	2535.5	5001.8	6676.9	7798.7	7041.4	5116.9	5283.3	6531.3	7181.2	6954.6
74°	919.4	1586.3	4383.4	6155.6	7189.6	6301.4	4504.1	4912.4	6326.1	7339.5	7200.7
75°	633.5	890.6	3696.4	5575.3	6534.6	5468.4	3803.5	4576.2	6092.0	7436.6	7394.3
76°	347.6	694.9	2923.2	4929.2	5796.5	4595.5	2813.5	4057.4	5909.2	7433.8	7510.6
77°	292.9	510.9	2182.9	4103.7	4961.8	3579.7	1823.5	3203.2	5761.4	7307.7	7472.7
78°	255.3	326.9	1604.5	3102.2	4027.4	2452.1	843.3	2284.2	5574.6	7016.2	7151.3
79°	228.7	276.1	1157.0	1991.0	3037.7	1402.5	371.0	1365.2	5093.0	6492.0	6381.7
80°	205.4	239.8	814.8	1067.4	2102.9	714.0	260.5	460.9	4098.6	5633.8	5514.0
81°	183.4	208.6	576.9	814.1	1209.3	491.8	225.2	299.6	2911.1	4569.1	4787.8
82°	162.5	181.9	341.9	575.6	875.4	279.6	198.1	243.4	1723.7	3485.4	4288.3
83°	140.9	159.5	275.9	337.2	553.6	227.6	170.9	201.0	562.0	2637.7	4014.1
84°	119.5	135.2	227.1	288.7	231.9	190.6	143.8	158.8	373.4	2024.7	3040.9
85°	97.6	111.8	170.1	247.5	179.3	155.2	118.4	126.0	305.1	1411.6	2067.7
86°	75.2	89.0	119.5	206.3	139.0	118.1	92.8	97.2	246.2	799.2	1095.4
87°	52.8	67.1	89.0	158.8	103.2	85.0	66.9	72.2	187.2	551.8	591.8
88°	30.3	45.2	61.9	104.9	71.7	59.2	42.6	50.0	128.8	304.5	443.8
89°	14.2	23.3	34.9	55.8	40.2	33.5	29.8	34.8	87.1	60.6	295.9



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 CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9	5242.9
1°	5119.9	5120.0	5128.8	5146.1	5170.4	5200.8	5232.8	5241.5	5273.6	5305.9	5333.3
2°	5007.8	5004.9	5018.8	5049.2	5094.0	5149.5	5212.5	5252.7	5319.1	5384.9	5441.0
3°	4906.7	4901.3	4918.8	4958.6	5021.5	5101.2	5194.7	5268.2	5369.9	5471.0	5559.0
4°	4816.1	4807.6	4828.8	4878.0	4955.8	5057.7	5178.3	5285.4	5423.3	5563.8	5690.3
5°	4728.6	4718.5	4743.8	4801.7	4894.4	5014.6	5164.7	5305.5	5480.3	5663.3	5828.6
6°	4645.0	4630.4	4658.7	4727.5	4835.4	4977.0	5154.7	5330.6	5542.0	5767.2	5978.2
7°	4564.2	4547.4	4579.2	4655.5	4777.2	4942.1	5145.3	5356.4	5609.6	5880.1	6139.2
8°	4490.9	4470.7	4505.0	4591.4	4722.2	4906.6	5138.2	5384.2	5679.5	6001.4	6309.2
9°	4420.6	4397.4	4434.8	4527.5	4672.1	4871.9	5133.4	5415.1	5754.0	6129.1	6494.3
10°	4356.5	4331.7	4369.9	4467.9	4625.1	4841.0	5132.6	5450.4	5835.8	6264.3	6690.8
11°	4298.7	4271.1	4311.4	4414.4	4581.7	4815.2	5135.5	5492.2	5925.8	6410.8	6900.1
12°	4249.5	4216.7	4256.8	4365.4	4541.4	4793.8	5142.8	5538.1	6021.1	6565.6	7122.4
13°	4204.3	4167.3	4210.4	4320.1	4504.2	4775.7	5153.3	5586.0	6120.3	6733.2	7359.2
14°	4161.5	4122.8	4166.8	4282.2	4470.8	4760.3	5165.7	5636.5	6224.0	6906.9	7610.2
15°	4125.1	4083.4	4126.9	4246.9	4443.0	4748.1	5180.4	5692.4	6331.3	7088.4	7867.4
16°	4091.1	4047.4	4092.2	4214.6	4420.0	4738.1	5199.2	5753.4	6445.3	7277.5	8138.2
17°	4060.0	4015.6	4061.8	4188.6	4401.7	4733.5	5223.2	5816.1	6566.5	7476.4	8413.3
18°	4032.8	3985.7	4035.0	4164.8	4385.2	4732.5	5249.8	5883.3	6690.0	7676.1	8696.0
19°	4007.2	3954.9	4010.1	4147.3	4371.9	4735.8	5280.4	5954.1	6818.0	7880.4	8973.6
20°	3980.6	3923.6	3987.0	4132.8	4362.3	4743.3	5313.3	6026.1	6947.7	8089.3	9247.0
21°	3953.5	3895.8	3964.5	4122.3	4356.8	4755.2	5350.2	6100.3	7083.5	8299.9	9516.2
22°	3929.0	3869.3	3945.2	4113.5	4353.4	4768.1	5387.8	6173.6	7219.7	8510.0	9771.1
23°	3908.1	3847.4	3927.6	4106.6	4353.2	4782.7	5424.4	6248.3	7362.8	8718.7	10026.8
24°	3889.8	3830.4	3912.6	4100.5	4353.7	4800.0	5460.2	6321.7	7503.5	8924.8	10267.4
25°	3876.2	3817.8	3901.0	4097.7	4354.0	4816.9	5496.8	6398.2	7644.1	9125.0	10503.0
26°	3867.4	3809.6	3895.1	4094.8	4355.4	4834.1	5534.1	6473.4	7786.2	9317.6	10735.1
27°	3862.2	3805.5	3893.2	4091.6	4356.3	4850.6	5569.3	6552.5	7931.4	9515.3	10971.5
28°	3861.2	3806.4	3894.6	4087.9	4358.2	4867.4	5606.0	6634.7	8080.8	9707.1	11212.1
29°	3862.3	3810.5	3898.0	4085.9	4361.6	4882.1	5643.8	6721.6	8238.8	9899.8	11442.6
30°	3865.2	3816.9	3902.3	4083.9	4365.4	4897.2	5684.6	6812.4	8394.6	10101.7	11670.6
31°	3870.1	3826.5	3906.2	4082.3	4371.3	4912.1	5727.9	6908.7	8563.9	10313.7	11909.5
32°	3876.4	3839.0	3911.4	4080.3	4376.9	4926.5	5771.9	7009.2	8733.8	10521.5	12119.8
33°	3882.9	3853.5	3917.9	4080.1	4384.3	4942.7	5816.9	7115.6	8911.3	10718.3	12315.8
34°	3890.9	3867.4	3925.0	4081.8	4392.7	4958.6	5865.3	7225.2	9082.1	10896.7	12476.5
35°	3899.3	3884.6	3933.2	4086.9	4404.0	4979.3	5918.9	7334.1	9236.9	11056.5	12581.7
36°	3910.2	3904.1	3943.0	4098.4	4418.1	5001.1	5970.8	7433.3	9384.9	11175.1	12614.5
37°	3922.4	3923.3	3954.0	4119.5	4438.0	5025.4	6016.3	7532.3	9509.4	11238.2	12601.0
38°	3933.4	3944.6	3964.2	4146.1	4466.6	5051.5	6060.1	7629.2	9595.3	11256.7	12551.4
39°	3943.5	3967.7	3972.3	4178.0	4500.8	5079.2	6096.2	7705.9	9651.6	11256.7	12496.7
40°	3955.2	3992.5	3980.9	4210.8	4538.6	5108.0	6136.2	7765.5	9681.1	11255.0	12468.1
41°	3966.2	4010.6	3990.9	4239.4	4579.3	5140.6	6171.1	7816.4	9703.8	11267.6	12469.8
42°	3976.2	4031.2	4002.2	4267.9	4622.3	5175.9	6209.5	7862.3	9740.8	11291.2	12490.0
43°	3986.0	4052.0	4016.0	4292.6	4664.7	5214.7	6253.2	7910.2	9800.5	11324.9	12516.9
44°	3995.1	4072.9	4029.3	4317.8	4706.1	5258.5	6300.2	7960.3	9865.3	11371.1	12539.6

REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4005.3	4091.7	4042.6	4340.2	4747.7	5307.8	6346.2	8010.1	9928.4	11427.5	12554.8
46°	4015.4	4108.2	4055.9	4359.6	4785.6	5360.2	6392.8	8059.6	9986.4	11486.4	12557.3
47°	4029.9	4123.6	4072.1	4377.8	4822.5	5416.7	6445.9	8111.6	10042.8	11542.7	12549.7
48°	4049.9	4132.3	4093.0	4396.7	4855.7	5474.1	6507.9	8157.4	10101.7	11590.7	12532.0
49°	4072.6	4139.4	4117.9	4417.4	4888.7	5528.8	6570.8	8198.7	10159.7	11631.1	12506.8
50°	4096.4	4147.0	4146.1	4442.9	4921.3	5581.1	6634.9	8235.1	10213.6	11658.8	12472.3
51°	4123.1	4154.2	4177.0	4472.3	4955.4	5631.3	6699.5	8266.4	10259.0	11675.7	12431.9
52°	4154.4	4159.6	4209.9	4506.7	4993.5	5683.3	6763.9	8296.3	10295.2	11685.7	12382.3
53°	4190.3	4165.6	4245.9	4546.1	5035.5	5737.6	6826.7	8323.5	10322.1	11689.1	12322.6
54°	4230.3	4177.9	4284.5	4591.9	5083.7	5797.1	6885.0	8345.4	10338.1	11682.4	12252.7
55°	4275.1	4196.6	4327.8	4641.4	5137.9	5861.0	6936.7	8361.7	10344.8	11663.0	12172.8
56°	4324.9	4224.1	4377.3	4694.6	5198.8	5931.9	6988.0	8376.0	10339.8	11629.4	12073.6
57°	4379.9	4258.5	4430.7	4753.3	5267.9	6007.3	7032.6	8384.3	10324.6	11584.8	11951.6
58°	4438.6	4304.1	4490.8	4817.9	5345.2	6085.2	7072.7	8387.9	10300.2	11518.3	11806.0
59°	4506.8	4359.6	4554.5	4889.4	5428.7	6162.4	7109.9	8376.3	10262.4	11437.6	11646.2
60°	4575.5	4426.6	4622.1	4965.6	5518.3	6241.2	7139.7	8354.3	10205.2	11344.2	11472.1
61°	4646.5	4508.2	4696.9	5052.7	5616.7	6317.2	7159.9	8332.1	10137.0	11234.8	11282.0
62°	4724.1	4604.3	4783.8	5143.3	5721.9	6394.0	7169.8	8303.7	10056.3	11102.8	11070.0
63°	4823.1	4715.5	4890.5	5230.8	5832.9	6468.9	7175.2	8260.5	9953.6	10946.3	10825.2
64°	4939.4	4847.7	5011.6	5331.3	5955.9	6539.7	7166.6	8199.6	9831.6	10770.5	10532.4
65°	5071.6	5003.4	5147.5	5454.9	6083.7	6608.3	7142.1	8100.5	9681.1	10561.8	10198.4
66°	5223.9	5179.6	5301.4	5603.1	6217.1	6676.0	7099.1	7957.0	9482.5	10321.2	9826.6
67°	5401.7	5369.9	5478.6	5765.6	6354.9	6726.6	7017.0	7760.7	9231.8	10055.4	9428.7
68°	5591.5	5559.0	5671.0	5948.9	6501.5	6753.9	6884.4	7464.0	8931.5	9738.3	8996.3
69°	5778.2	5695.1	5847.8	6154.9	6654.1	6760.2	6658.6	7027.1	8581.6	9366.4	8531.1
70°	5946.3	5817.1	6005.6	6381.4	6814.4	6729.0	6283.2	6439.1	8135.4	8942.4	8025.5
71°	6102.6	5928.8	6155.1	6613.8	6978.6	6651.1	5795.0	5769.5	7572.9	8460.4	7499.2
72°	6242.9	5970.0	6282.8	6842.4	7143.7	6522.0	5328.3	5126.3	6933.4	7936.8	6970.1
73°	6300.8	5805.7	6329.6	7078.3	7284.8	6325.3	4971.1	4516.9	6181.9	7330.0	6424.3
74°	6173.1	5355.0	6156.7	7294.9	7351.0	6102.1	4658.4	3853.7	5381.5	6644.6	5857.8
75°	5784.3	4429.4	5695.3	7460.4	7339.5	5922.9	4149.3	2894.6	4498.3	5893.8	5235.4
76°	5084.1	3343.8	4971.6	7527.6	7213.9	5822.3	3257.6	1773.4	3525.3	5088.1	4526.0
77°	4117.4	2613.8	4050.7	7438.8	6963.8	5672.4	2311.3	823.6	2440.2	4186.0	3626.9
78°	3444.9	2763.2	3516.7	7000.0	6559.1	5192.3	1364.9	617.5	1390.4	3221.6	2475.5
79°	3598.9	3534.2	3815.8	6161.3	5925.5	4243.7	420.9	426.2	696.1	2300.3	1418.4
80°	4394.4	4073.5	4553.3	5222.0	5061.4	2996.9	298.6	235.0	482.7	1406.7	697.7
81°	4680.2	3678.0	4569.6	4383.9	4010.2	1750.1	242.5	201.8	281.2	714.4	528.7
82°	3694.8	2675.7	3374.2	4033.4	3010.6	522.2	205.9	175.2	230.0	472.3	364.1
83°	2672.4	1673.3	2244.3	3612.8	2291.7	371.9	169.3	149.5	195.2	243.9	313.3
84°	1649.9	681.6	1130.3	2671.1	1572.9	310.9	133.0	123.5	161.9	191.6	271.2
85°	644.7	545.7	614.6	1729.5	862.3	254.3	104.7	97.0	126.7	147.3	230.6
86°	453.5	409.8	426.4	802.1	600.3	197.4	79.3	72.9	93.2	111.2	187.1
87°	262.4	273.8	238.2	642.5	338.4	140.6	56.8	48.8	66.6	79.4	135.9
88°	76.2	137.9	51.7	482.8	80.7	106.6	39.4	24.8	40.2	64.1	74.8
89°	39.7	2.3	27.5	323.1	42.5	72.5	22.0	8.0	13.7	48.9	56.8



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5242.9	5242.9	5242.9
1°	5355.3	5371.6	5377.4
2°	5486.8	5516.8	5527.6
3°	5631.7	5679.8	5694.5
4°	5790.5	5858.9	5881.2
5°	5966.4	6055.0	6082.9
6°	6155.4	6271.9	6307.3
7°	6357.7	6500.9	6547.2
8°	6575.3	6746.1	6806.4
9°	6805.7	7015.6	7085.8
10°	7054.3	7302.5	7385.4
11°	7324.7	7612.4	7710.3
12°	7606.5	7933.6	8047.9
13°	7908.8	8285.6	8416.7
14°	8223.4	8649.7	8805.3
15°	8550.4	9023.2	9203.2
16°	8888.6	9416.9	9608.7
17°	9236.9	9812.3	10015.0
18°	9584.3	10200.1	10413.8
19°	9921.7	10572.8	10803.3
20°	10246.4	10932.8	11175.1
21°	10558.5	11272.7	11530.1
22°	10853.8	11589.0	11853.2
23°	11138.9	11905.3	12168.6
24°	11413.2	12207.3	12460.5
25°	11686.6	12500.1	12739.8
26°	11960.0	12756.7	12980.4
27°	12222.5	12984.6	13191.6
28°	12458.9	13184.8	13381.7
29°	12684.3	13384.2	13581.9
30°	12904.7	13610.5	13823.4
31°	13129.3	13817.5	14021.0
32°	13334.6	13966.4	14164.9
33°	13479.3	14033.7	14212.9
34°	13549.9	14010.1	14165.7
35°	13538.2	13898.2	14032.8
36°	13469.2	13741.8	13860.4
37°	13349.7	13582.8	13708.9
38°	13243.7	13480.1	13624.0
39°	13179.8	13422.9	13574.3
40°	13143.6	13389.3	13535.6
41°	13123.4	13360.7	13491.9
42°	13102.4	13330.4	13437.2
43°	13078.9	13290.8	13369.1
44°	13052.8	13242.1	13286.6

REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	13018.3	13174.8	13185.7
46°	12977.1	13093.2	13073.8
47°	12927.4	13001.5	12956.9
48°	12865.2	12903.0	12837.4
49°	12789.5	12805.4	12716.3
50°	12702.0	12702.8	12586.7
51°	12599.3	12595.1	12443.7
52°	12483.2	12462.2	12281.4
53°	12365.5	12304.1	12100.5
54°	12241.0	12114.8	11887.6
55°	12103.0	11892.7	11654.6
56°	11943.2	11646.2	11382.1
57°	11753.9	11366.1	11075.0
58°	11534.3	11038.0	10725.9
59°	11288.7	10678.8	10354.9
60°	11009.4	10285.9	9909.9
61°	10689.7	9835.8	9363.9
62°	10341.4	9305.9	8717.0
63°	9967.9	8700.2	7984.7
64°	9545.6	8027.5	7242.6
65°	9080.4	7380.0	6548.3
66°	8568.1	6771.0	5957.7
67°	8048.5	6209.5	5495.9
68°	7519.7	5718.0	5127.4
69°	7014.6	5269.6	4753.5
70°	6528.1	4830.9	4167.7
71°	6024.1	4278.0	3252.4
72°	5464.6	3488.4	2160.2
73°	4899.7	2529.6	1211.6
74°	4296.7	1625.4	919.4
75°	3541.9	944.7	633.5
76°	2746.2	739.2	347.6
77°	2082.0	536.8	292.9
78°	1534.9	334.3	255.3
79°	1104.6	277.7	228.7
80°	842.8	239.4	205.4
81°	582.0	207.5	183.4
82°	321.2	181.8	162.5
83°	263.5	161.5	140.9
84°	211.8	136.5	119.5
85°	151.8	109.6	97.6
86°	111.1	86.4	75.2
87°	80.4	64.1	52.8
88°	52.2	41.9	30.3
89°	24.0	19.6	14.2



REPORT NUMBER: P1436807

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



REPORT NUMBER: P1436807
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



REPORT NUMBER: P1436807
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)