

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: P1436786

Luminaire Tested: XAS300-SFPM (3000K-240W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436786
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 (3000K-240W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 30207.6 lumens
Efficiency: 66.3%
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

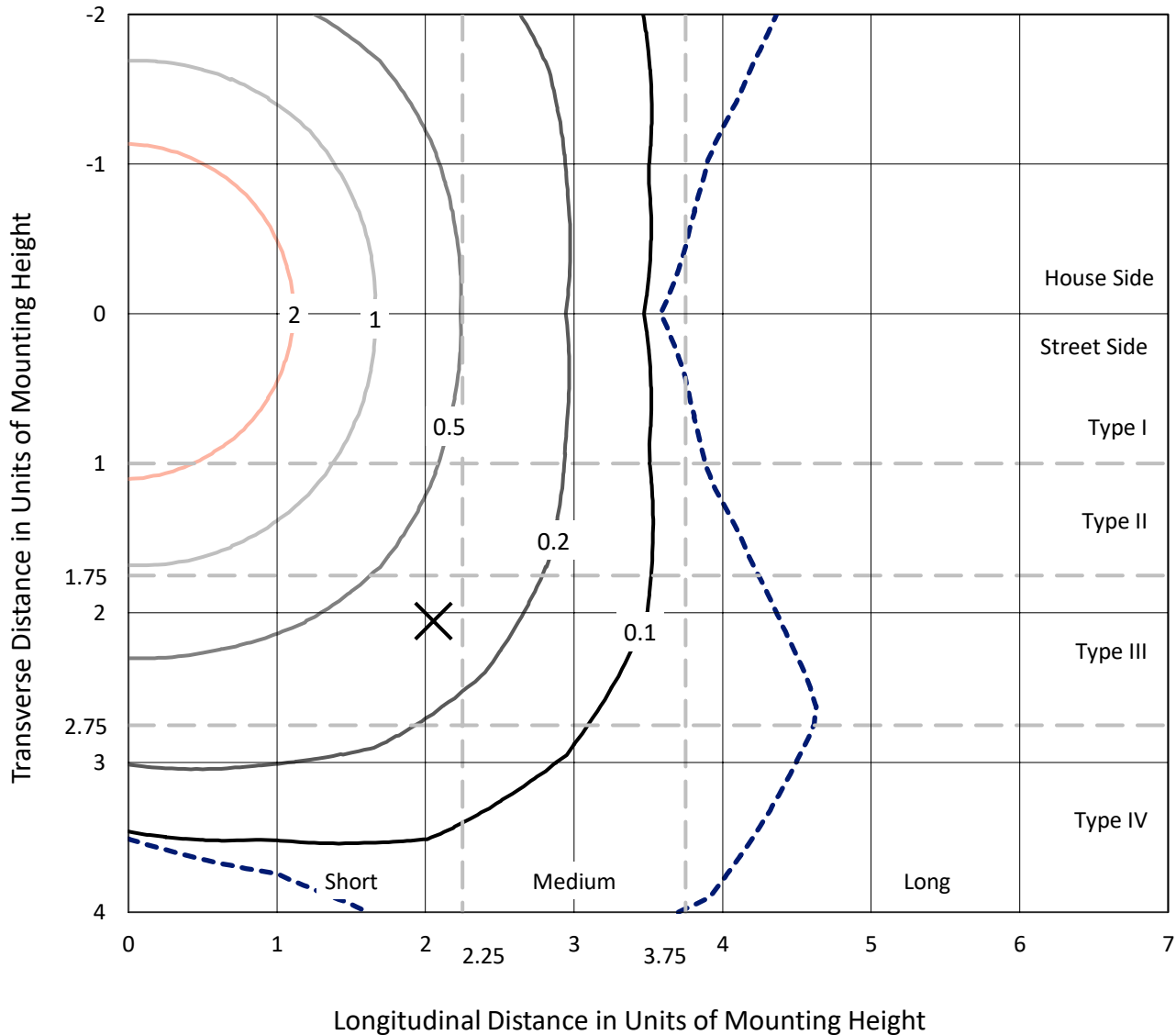
Input Watts (W): 242.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

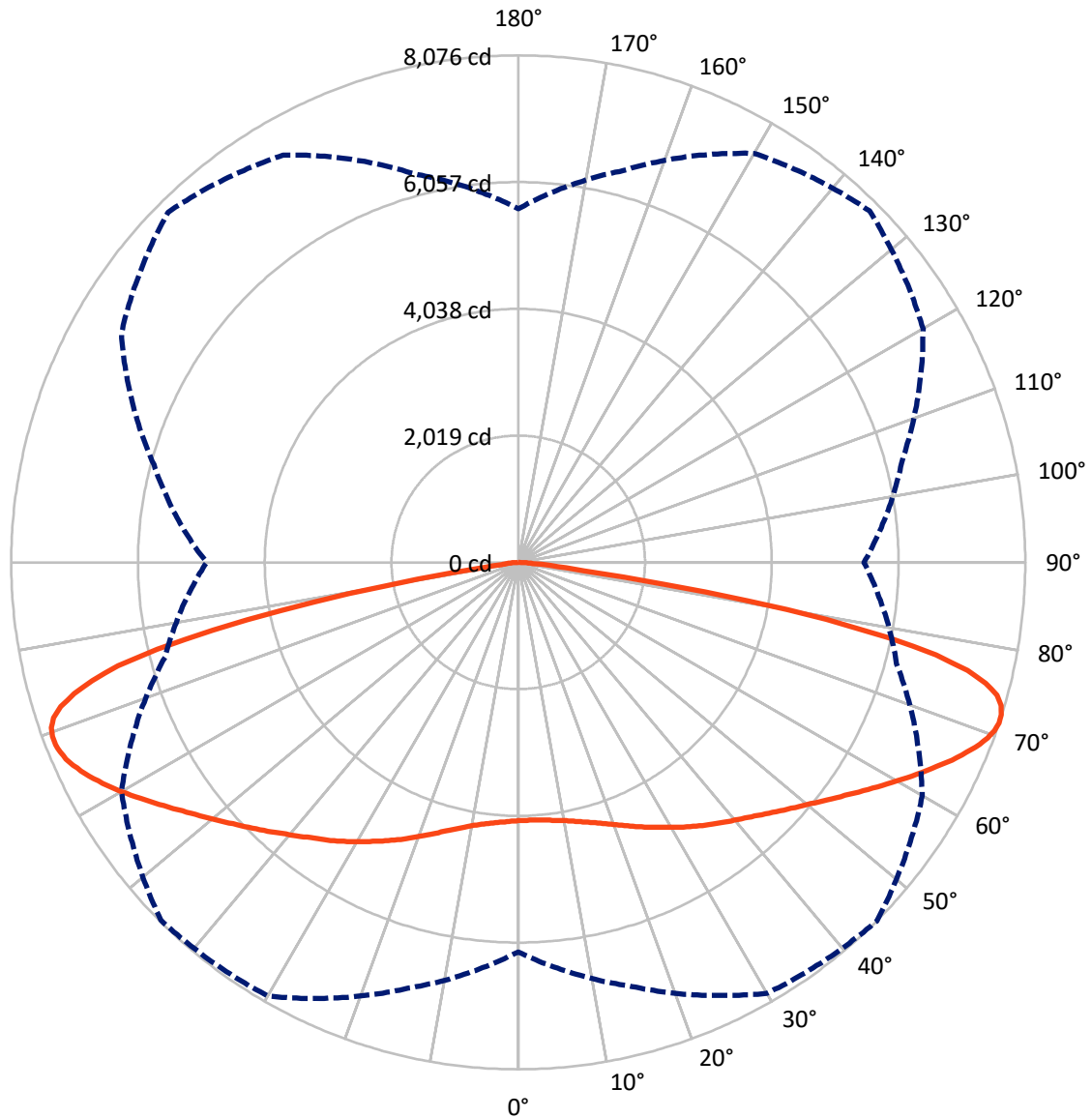


Based on 30 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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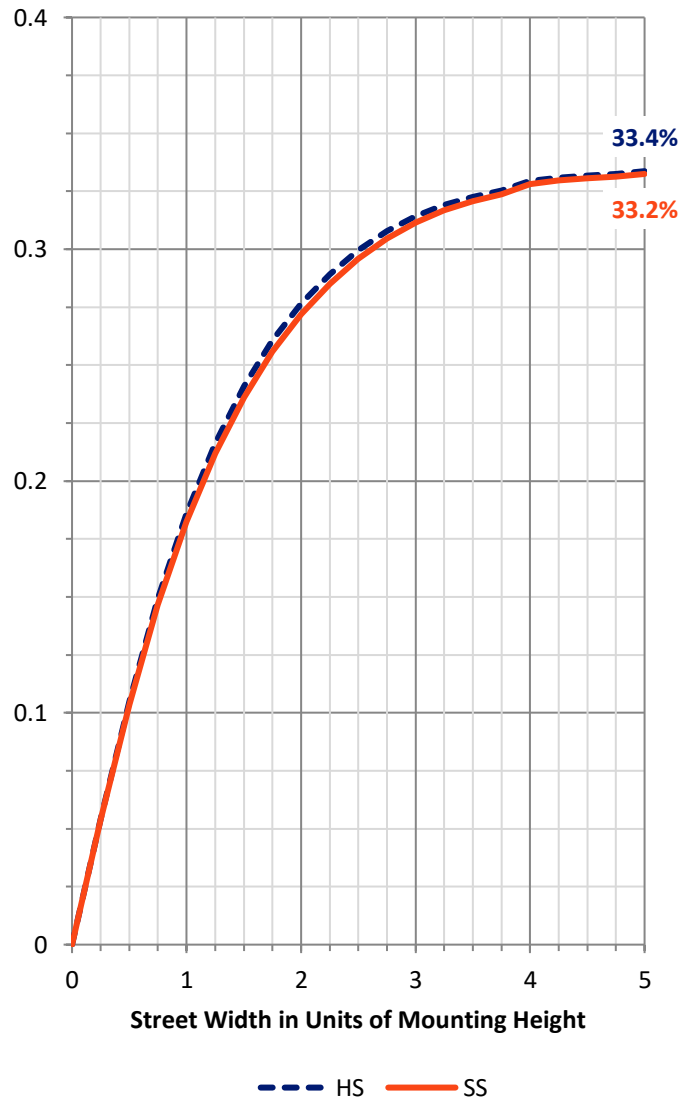
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15107.1	0.0	15107.1
	% Lamp	33.2	0.0	33.2
Street Side	Lumens	15100.5	0.0	15100.5
	% Lamp	33.2	0.0	33.2
Total	Lumens	30207.6	0.0	30207.6
	% Lamp	66.3	0.0	66.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	397.2	1.3	0.9
10°-20°	1239.9	4.1	2.7
20°-30°	2209.6	7.3	4.9
30°-40°	3306.6	10.9	7.3
40°-50°	4526.2	15.0	9.9
50°-60°	5902.0	19.5	13.0
60°-70°	7115.5	23.6	15.6
70°-80°	5200.3	17.2	11.4
80°-90°	310.2	1.0	0.7
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°	30207.6	100.0	66.3
0°-180°	30207.6	100.0	66.3

Coefficient of Utilization



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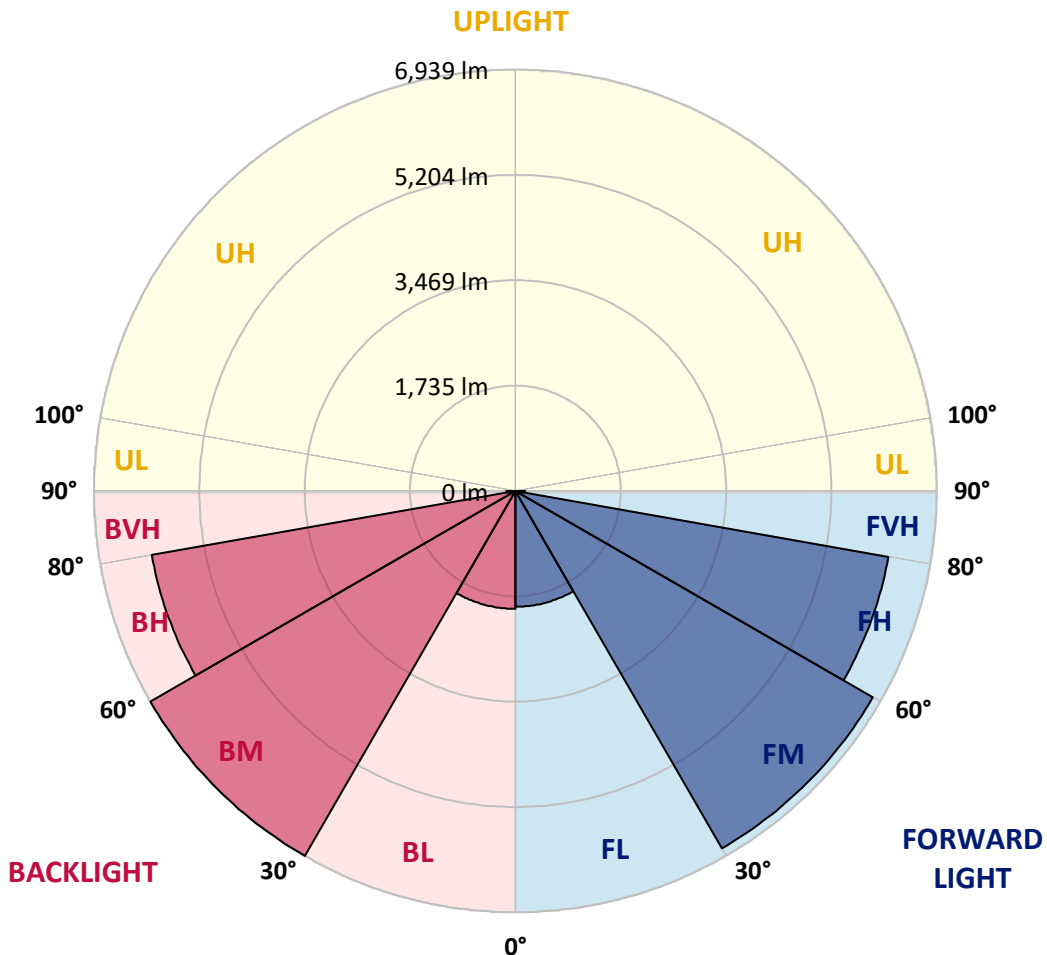
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1906.0	4.2			
FM (30°-60°)	6796.0	14.9			
FH (60°-80°)	6237.1	13.7			G3/7500
FVH (80°-90°)	161.4	0.4			G2/225
BL (0°-30°)	1940.7	4.3	B3/2500		
BM (30°-60°)	6938.8	15.2	B4/8500		
BH (60°-80°)	6078.8	13.3	B5		G3/7500
BVH (80°-90°)	148.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	15327.4	33.7			

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7
1°	4111.1	4109.9	4110.1	4110.8	4111.5	4113.0	4109.7	4109.7	4110.3	4111.5	4111.9
2°	4110.7	4109.9	4109.9	4110.7	4112.1	4113.2	4110.3	4111.1	4112.5	4114.6	4115.7
3°	4113.2	4111.2	4111.8	4112.1	4114.7	4117.0	4114.1	4115.5	4117.6	4120.2	4121.7
4°	4116.0	4114.5	4115.3	4117.4	4120.0	4122.4	4120.0	4121.7	4125.1	4127.7	4129.3
5°	4120.0	4118.8	4120.7	4123.2	4127.8	4131.8	4129.6	4131.6	4133.9	4137.1	4140.3
6°	4126.7	4124.5	4127.8	4132.0	4138.3	4142.9	4141.2	4142.9	4144.9	4147.8	4152.1
7°	4134.5	4133.6	4136.4	4143.4	4150.1	4153.9	4153.1	4155.7	4157.4	4160.6	4166.0
8°	4143.7	4142.9	4148.2	4155.7	4162.5	4168.5	4167.5	4170.3	4173.4	4176.6	4183.3
9°	4155.5	4153.8	4160.9	4168.8	4178.3	4184.6	4184.0	4186.6	4191.4	4195.7	4202.1
10°	4169.7	4168.7	4176.0	4185.2	4196.8	4203.4	4202.4	4204.4	4210.7	4218.1	4223.9
11°	4187.5	4184.8	4193.7	4204.4	4216.2	4222.3	4222.3	4224.2	4231.4	4241.4	4248.0
12°	4206.8	4204.0	4212.6	4224.9	4237.0	4244.5	4245.4	4247.7	4256.4	4268.0	4275.1
13°	4228.5	4224.8	4233.2	4247.8	4260.1	4268.7	4270.9	4274.7	4283.7	4296.2	4304.7
14°	4252.8	4249.1	4255.6	4272.0	4285.5	4298.1	4300.6	4303.5	4313.9	4326.3	4337.3
15°	4280.6	4275.0	4281.4	4297.8	4314.1	4328.0	4332.3	4336.5	4346.8	4359.3	4370.9
16°	4309.4	4303.1	4310.4	4325.8	4345.1	4360.5	4367.1	4372.8	4381.3	4394.0	4406.2
17°	4339.7	4331.5	4341.0	4355.6	4377.4	4396.6	4404.7	4409.0	4418.8	4431.2	4443.1
18°	4370.5	4362.7	4371.4	4389.8	4411.4	4434.7	4444.3	4449.1	4457.8	4470.8	4482.6
19°	4402.6	4394.7	4405.6	4427.2	4447.4	4473.6	4486.5	4490.1	4498.4	4511.6	4522.6
20°	4436.4	4428.8	4440.7	4464.2	4485.7	4513.5	4529.6	4533.5	4540.3	4553.4	4563.0
21°	4470.4	4464.1	4477.3	4503.3	4525.0	4556.9	4573.3	4579.9	4583.7	4598.3	4604.8
22°	4505.0	4499.7	4515.6	4542.8	4566.4	4601.0	4617.9	4627.6	4629.9	4642.7	4646.0
23°	4541.8	4538.0	4555.0	4584.7	4611.1	4646.3	4661.7	4674.0	4677.4	4687.9	4689.5
24°	4579.7	4578.2	4595.0	4626.7	4655.3	4688.8	4703.2	4719.9	4725.3	4733.2	4731.8
25°	4620.8	4619.8	4637.0	4670.5	4700.0	4731.9	4744.1	4765.4	4772.6	4779.4	4776.2
26°	4662.1	4664.3	4679.3	4714.6	4743.6	4777.0	4786.6	4811.2	4821.0	4825.8	4821.1
27°	4707.3	4709.9	4723.9	4759.3	4787.4	4822.9	4831.1	4859.0	4869.1	4871.3	4865.9
28°	4754.3	4757.4	4769.2	4803.9	4831.6	4869.8	4878.6	4905.3	4916.9	4918.6	4911.7
29°	4803.1	4804.7	4816.1	4850.1	4876.4	4916.9	4928.2	4954.3	4967.1	4964.6	4958.4
30°	4855.9	4854.1	4863.2	4896.3	4923.2	4965.7	4981.9	5005.6	5016.8	5012.1	5006.5
31°	4910.7	4903.5	4912.1	4945.6	4969.6	5016.0	5035.7	5057.6	5069.6	5062.3	5055.6
32°	4965.9	4952.7	4959.6	4994.3	5017.9	5063.3	5087.9	5108.2	5120.9	5113.5	5107.8
33°	5025.3	5001.9	5007.8	5041.3	5067.2	5110.9	5140.7	5157.9	5171.2	5165.5	5156.9
34°	5087.5	5052.0	5056.6	5089.8	5114.9	5158.8	5194.7	5207.1	5218.9	5213.8	5208.5
35°	5150.4	5103.3	5108.4	5141.2	5161.7	5207.5	5249.5	5256.8	5265.7	5264.8	5262.0
36°	5213.2	5153.2	5158.1	5189.9	5209.0	5254.9	5305.1	5305.5	5314.6	5317.4	5315.4
37°	5278.5	5200.4	5208.1	5236.9	5256.8	5298.5	5362.0	5354.0	5365.6	5370.2	5371.3
38°	5344.7	5246.0	5256.2	5287.1	5305.2	5343.3	5420.0	5400.9	5416.2	5424.5	5426.3
39°	5411.1	5292.7	5304.3	5336.2	5353.4	5391.1	5482.3	5449.5	5466.5	5479.3	5480.5
40°	5479.9	5342.5	5352.8	5386.3	5402.8	5441.1	5549.5	5501.9	5519.5	5537.2	5537.6
41°	5551.1	5396.4	5404.7	5438.6	5455.7	5495.4	5614.9	5556.4	5574.9	5594.3	5593.6
42°	5620.0	5457.2	5459.5	5494.6	5510.8	5552.4	5676.8	5615.5	5631.1	5654.4	5653.0
43°	5683.9	5522.9	5517.0	5554.1	5571.9	5610.4	5739.7	5674.7	5692.3	5716.8	5714.7
44°	5743.7	5591.8	5578.4	5616.3	5635.4	5673.0	5803.1	5734.9	5755.4	5782.3	5779.1



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5802.6	5659.7	5642.7	5680.9	5699.1	5738.6	5866.7	5797.2	5819.0	5849.7	5845.9
46°	5858.1	5732.0	5711.3	5749.5	5767.6	5806.4	5926.2	5864.9	5886.8	5919.0	5915.8
47°	5910.2	5808.4	5785.3	5818.3	5836.9	5877.5	5981.9	5935.4	5955.9	5991.2	5986.8
48°	5962.0	5889.2	5860.9	5890.8	5906.4	5948.2	6037.0	6007.5	6027.2	6065.8	6062.1
49°	6016.6	5973.7	5938.9	5966.5	5980.7	6020.3	6089.3	6078.3	6097.5	6139.7	6139.5
50°	6074.2	6062.8	6020.1	6043.5	6059.6	6096.2	6139.5	6151.6	6171.5	6216.6	6219.8
51°	6135.0	6153.6	6105.8	6124.1	6135.4	6170.9	6187.6	6224.3	6245.4	6295.3	6302.0
52°	6195.6	6247.0	6193.9	6209.1	6218.0	6247.8	6231.5	6298.6	6321.9	6376.2	6386.5
53°	6264.7	6343.6	6284.3	6301.2	6299.4	6319.6	6273.8	6368.4	6399.1	6460.0	6474.2
54°	6338.0	6438.3	6380.3	6394.0	6382.4	6387.1	6318.0	6435.6	6480.1	6545.1	6562.7
55°	6412.5	6531.2	6479.9	6491.4	6465.5	6452.3	6361.3	6499.2	6557.9	6635.3	6652.6
56°	6487.0	6622.0	6581.6	6592.6	6550.6	6518.9	6405.4	6561.5	6635.3	6726.9	6741.4
57°	6560.2	6708.3	6685.1	6694.3	6634.6	6583.9	6449.0	6620.4	6714.9	6824.4	6829.0
58°	6628.5	6790.5	6786.6	6802.5	6719.6	6641.3	6491.9	6674.4	6791.9	6923.2	6910.6
59°	6700.3	6862.8	6892.0	6910.6	6803.1	6691.7	6529.4	6724.9	6867.5	7024.7	6984.9
60°	6768.0	6933.2	6996.2	7022.7	6885.4	6736.1	6560.7	6769.3	6941.8	7128.2	7055.2
61°	6825.7	6993.5	7106.3	7136.2	6963.7	6771.3	6585.0	6804.5	7018.1	7233.7	7130.2
62°	6874.8	7045.9	7214.5	7248.3	7044.0	6795.2	6601.6	6833.7	7093.7	7336.5	7208.5
63°	6925.2	7096.4	7322.6	7361.1	7123.6	6813.8	6613.3	6858.2	7166.7	7437.4	7281.5
64°	6988.2	7144.8	7427.4	7475.2	7195.9	6823.7	6618.3	6873.5	7238.3	7536.9	7349.8
65°	7057.2	7201.8	7534.2	7591.3	7268.2	6830.3	6618.7	6884.7	7308.0	7627.1	7413.5
66°	7099.0	7262.9	7635.0	7701.4	7335.2	6833.0	6600.4	6886.7	7370.3	7712.0	7477.8
67°	7106.3	7310.6	7721.3	7803.5	7388.3	6819.7	6563.9	6870.1	7423.4	7783.6	7532.9
68°	7101.7	7325.9	7802.2	7901.7	7440.0	6772.0	6474.2	6831.0	7467.2	7845.3	7574.7
69°	7024.1	7303.3	7877.2	7983.3	7467.9	6684.4	6278.3	6746.8	7495.1	7889.1	7582.6
70°	6749.4	7221.1	7924.9	8044.4	7463.9	6509.0	5967.3	6590.0	7492.4	7917.0	7564.7
71°	6203.0	6993.5	7924.9	8075.5	7430.7	6238.2	5505.5	6334.7	7444.0	7915.7	7520.9
72°	5488.8	6562.2	7856.6	8066.9	7353.1	5876.0	5013.7	5961.2	7346.5	7881.2	7410.2
73°	4798.3	5962.8	7721.3	8020.5	7223.7	5446.4	4573.3	5501.2	7184.6	7781.7	7228.4
74°	4131.6	5293.6	7500.4	7909.0	7020.1	5022.3	4206.5	5024.4	6963.0	7605.2	6957.1
75°	3144.5	4550.7	7159.4	7688.1	6776.6	4602.7	3779.9	4578.4	6667.8	7333.9	6522.9
76°	1832.6	3584.0	6643.3	7357.1	6460.8	4071.6	3031.3	4107.0	6304.9	6963.7	5932.0
77°	721.0	2278.8	5950.1	6815.7	6038.6	3262.4	2133.9	3367.6	5851.6	6411.1	5222.9
78°	526.1	1034.4	5086.9	6030.9	5417.5	2179.2	1236.4	2386.2	5271.7	5621.4	4353.0
79°	349.5	734.7	3920.9	4989.8	4551.4	1083.5	347.3	1404.9	4448.5	4553.8	3189.6
80°	172.8	459.2	2428.8	3697.2	3369.7	771.0	196.9	432.1	3324.4	3317.0	2264.0
81°	153.4	183.6	1150.1	2343.2	1969.3	476.1	173.8	215.6	2331.6	2332.0	1338.5
82°	135.6	158.2	828.3	1049.8	845.0	181.2	150.7	178.3	1338.8	1347.1	417.6
83°	118.3	135.4	511.1	770.1	609.4	147.1	127.7	153.7	353.8	363.0	225.8
84°	100.5	113.8	194.0	498.0	387.9	124.2	109.4	129.1	208.9	231.8	172.1
85°	82.0	92.8	146.5	226.0	166.4	102.0	90.8	106.7	163.9	193.2	118.9
86°	60.7	72.7	112.0	179.1	122.4	80.7	72.0	85.1	119.0	154.0	84.2
87°	41.3	54.0	84.9	133.5	93.9	61.8	52.4	65.8	90.1	114.8	59.0
88°	21.9	35.3	58.6	82.9	67.2	43.0	33.7	47.5	64.5	71.9	36.5
89°	9.0	16.6	31.3	43.6	36.7	24.2	23.6	33.0	44.4	49.4	25.8



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7	4111.7
1°	4113.5	4115.1	4116.1	4116.8	4117.2	4117.8	4118.0	4114.0	4113.8	4113.4	4112.1
2°	4117.2	4120.6	4122.1	4123.9	4123.7	4124.8	4124.2	4121.2	4119.6	4117.6	4115.0
3°	4124.5	4128.0	4130.8	4132.1	4132.8	4133.1	4132.6	4129.4	4126.3	4123.5	4119.6
4°	4133.4	4137.2	4140.4	4142.4	4143.7	4144.2	4142.6	4137.5	4134.7	4131.4	4126.1
5°	4143.1	4147.7	4151.5	4154.7	4156.0	4155.9	4153.6	4148.2	4143.4	4139.7	4133.8
6°	4154.7	4160.4	4164.3	4167.8	4169.6	4169.3	4167.1	4160.8	4155.7	4149.5	4141.9
7°	4169.5	4175.2	4179.3	4183.5	4185.2	4185.0	4181.9	4176.0	4169.1	4162.2	4152.5
8°	4186.9	4192.1	4196.9	4202.2	4203.0	4202.8	4199.8	4192.2	4185.2	4177.7	4165.5
9°	4207.3	4211.8	4217.2	4222.5	4223.8	4221.9	4217.7	4210.3	4203.4	4195.5	4180.9
10°	4228.2	4233.3	4238.4	4245.2	4246.5	4243.8	4239.6	4232.7	4224.3	4214.0	4198.8
11°	4253.5	4259.3	4264.3	4270.2	4272.7	4270.4	4265.3	4259.1	4250.0	4236.3	4219.5
12°	4281.5	4287.5	4292.7	4298.1	4302.2	4300.5	4295.0	4289.9	4279.2	4263.3	4241.7
13°	4312.2	4318.5	4323.0	4329.1	4334.0	4333.0	4327.1	4321.8	4310.6	4293.4	4267.5
14°	4343.9	4350.4	4355.7	4362.5	4368.7	4369.1	4361.3	4355.0	4343.1	4324.6	4296.0
15°	4377.9	4385.5	4389.7	4399.2	4406.4	4405.6	4398.0	4391.8	4378.4	4357.1	4328.3
16°	4415.2	4422.1	4427.7	4437.7	4448.5	4446.2	4437.3	4432.7	4416.6	4392.6	4362.4
17°	4453.1	4460.4	4466.5	4478.6	4490.7	4487.0	4478.7	4474.5	4458.2	4431.4	4397.9
18°	4491.7	4498.3	4505.4	4520.3	4534.1	4529.9	4522.5	4518.5	4499.8	4471.0	4434.7
19°	4532.1	4537.7	4545.5	4563.2	4578.4	4573.6	4567.0	4563.2	4543.0	4513.4	4473.1
20°	4572.8	4576.6	4587.5	4605.9	4624.3	4619.8	4613.7	4609.3	4588.2	4555.6	4512.8
21°	4613.8	4616.9	4631.4	4651.6	4673.6	4667.3	4662.4	4657.3	4636.9	4599.0	4554.8
22°	4654.8	4657.9	4674.5	4696.0	4721.3	4716.4	4712.8	4703.0	4684.2	4642.8	4597.3
23°	4697.1	4699.4	4718.9	4743.8	4769.8	4764.9	4762.7	4748.5	4732.1	4690.4	4642.1
24°	4740.6	4743.6	4764.8	4789.5	4817.3	4816.3	4812.1	4793.0	4779.3	4738.4	4686.5
25°	4785.6	4789.5	4812.3	4838.0	4865.0	4867.5	4860.3	4838.9	4827.2	4784.8	4731.4
26°	4831.3	4838.0	4861.4	4887.7	4912.9	4919.7	4911.7	4885.4	4875.2	4830.5	4774.6
27°	4878.8	4887.2	4912.1	4936.1	4959.6	4971.1	4962.0	4932.9	4924.7	4877.4	4819.2
28°	4928.3	4940.2	4963.3	4984.5	5009.6	5024.2	5014.1	4984.9	4974.4	4924.5	4867.1
29°	4979.0	4994.9	5016.7	5032.9	5059.5	5076.7	5067.1	5041.2	5025.0	4972.3	4914.6
30°	5030.3	5050.4	5069.7	5082.4	5110.7	5128.3	5121.5	5098.0	5077.2	5019.3	4963.0
31°	5081.3	5108.8	5122.6	5134.0	5163.0	5178.6	5175.6	5155.1	5128.3	5068.4	5012.2
32°	5133.0	5168.4	5176.4	5185.2	5214.5	5229.6	5226.1	5206.7	5177.0	5116.5	5064.4
33°	5184.5	5230.0	5229.4	5236.1	5265.7	5277.9	5276.8	5258.8	5223.6	5166.1	5116.1
34°	5238.3	5290.4	5281.2	5288.7	5316.4	5324.8	5324.4	5311.2	5270.6	5214.0	5167.6
35°	5290.7	5353.9	5333.4	5341.4	5366.8	5371.3	5371.8	5364.4	5313.7	5262.4	5218.4
36°	5344.9	5418.1	5386.5	5394.0	5416.3	5418.8	5415.6	5417.7	5354.2	5308.9	5268.0
37°	5397.8	5481.3	5437.8	5447.9	5465.8	5467.9	5459.8	5476.2	5398.9	5356.8	5318.8
38°	5448.5	5545.5	5486.8	5500.6	5518.5	5517.2	5506.5	5538.5	5445.6	5404.0	5370.9
39°	5499.1	5612.6	5538.0	5552.6	5575.7	5569.0	5553.5	5603.5	5493.5	5456.1	5421.9
40°	5554.4	5681.7	5593.4	5608.2	5633.6	5621.4	5605.4	5670.9	5545.2	5510.0	5473.3
41°	5612.9	5748.6	5654.8	5665.2	5692.6	5677.4	5658.1	5742.2	5603.6	5567.0	5529.0
42°	5672.6	5814.9	5717.6	5725.3	5755.6	5735.3	5718.4	5813.8	5666.8	5624.1	5590.0
43°	5732.8	5880.2	5782.4	5788.7	5820.2	5794.8	5787.2	5882.5	5736.3	5685.2	5652.5
44°	5799.1	5943.1	5849.7	5853.8	5886.3	5857.6	5857.0	5944.0	5806.1	5747.9	5718.4



REPORT NUMBER: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5867.8	6005.5	5919.8	5921.2	5955.1	5924.7	5929.0	6000.4	5875.9	5817.5	5787.5
46°	5943.2	6069.2	5994.6	5992.3	6021.6	5995.8	5997.2	6057.4	5945.8	5890.6	5859.5
47°	6021.5	6131.5	6075.5	6066.2	6092.8	6070.8	6070.7	6112.3	6018.3	5967.1	5933.0
48°	6106.4	6187.2	6156.6	6140.5	6163.6	6148.3	6146.8	6162.1	6092.9	6042.4	6008.7
49°	6191.5	6244.3	6240.8	6216.0	6238.7	6226.4	6223.9	6207.5	6169.9	6117.5	6086.8
50°	6275.8	6303.1	6325.5	6296.8	6316.8	6305.9	6302.2	6252.3	6247.1	6193.0	6168.6
51°	6360.6	6364.8	6409.9	6377.1	6396.4	6381.4	6376.8	6297.1	6324.2	6271.2	6254.3
52°	6446.5	6424.3	6495.5	6464.1	6481.5	6459.0	6450.8	6342.9	6394.2	6351.0	6341.9
53°	6533.1	6481.3	6581.2	6550.3	6567.7	6537.3	6518.8	6386.9	6462.0	6430.3	6433.4
54°	6616.1	6536.8	6661.2	6639.9	6657.2	6617.5	6582.2	6431.7	6528.2	6511.4	6529.2
55°	6692.4	6592.6	6734.2	6730.2	6749.4	6694.3	6639.3	6473.5	6588.6	6586.5	6627.7
56°	6755.4	6644.6	6797.2	6819.7	6844.3	6771.3	6691.0	6513.3	6642.6	6665.8	6729.5
57°	6808.5	6695.7	6854.9	6911.9	6945.1	6845.6	6740.1	6550.7	6688.4	6745.4	6833.0
58°	6856.2	6744.1	6905.3	6992.9	7044.6	6918.6	6782.6	6585.6	6729.5	6818.4	6935.8
59°	6900.7	6789.9	6951.1	7065.8	7145.5	6990.2	6819.7	6610.4	6765.3	6892.0	7039.3
60°	6941.1	6830.3	6988.9	7140.8	7250.9	7057.2	6848.3	6628.1	6793.9	6971.0	7146.8
61°	6973.0	6866.8	7018.1	7221.1	7351.1	7122.9	6870.1	6647.2	6814.4	7046.6	7256.9
62°	6996.2	6904.0	7043.3	7298.7	7450.0	7191.9	6883.4	6660.5	6832.3	7118.9	7367.7
63°	7022.7	6938.5	7069.8	7367.7	7542.8	7261.6	6893.4	6662.5	6845.6	7191.9	7478.5
64°	7047.3	6973.0	7100.3	7426.7	7634.4	7325.2	6896.7	6655.9	6851.6	7260.2	7586.0
65°	7069.8	6979.6	7120.2	7481.1	7717.3	7386.3	6889.4	6630.5	6844.3	7321.9	7684.8
66°	7078.5	6933.2	7113.6	7538.9	7791.6	7440.7	6865.5	6572.7	6822.4	7376.3	7777.7
67°	7057.2	6876.8	7082.4	7582.6	7854.6	7473.2	6809.1	6475.3	6763.3	7422.1	7866.6
68°	7018.1	6783.2	7038.0	7613.8	7897.1	7476.5	6727.5	6292.1	6666.5	7448.6	7948.2
69°	6931.8	6564.5	6938.5	7609.8	7921.0	7451.3	6591.7	5959.1	6501.0	7438.0	8007.9
70°	6759.4	6190.0	6740.1	7572.0	7921.6	7396.2	6363.1	5481.4	6219.8	7387.6	8046.4
71°	6459.8	5630.0	6405.5	7489.8	7889.8	7298.0	6006.8	4962.9	5820.5	7298.0	8054.3
72°	5978.8	4941.0	5886.7	7345.1	7807.5	7164.0	5546.7	4547.2	5355.0	7164.0	8021.1
73°	5327.5	4217.8	5246.7	7138.2	7639.7	6963.0	5083.0	4198.7	4919.9	6941.1	7923.0
74°	4591.2	3491.9	4525.0	6809.8	7374.3	6697.7	4654.1	3755.4	4490.7	6658.5	7735.9
75°	3811.3	2582.1	3706.7	6304.5	7042.6	6364.7	4161.1	2949.3	3975.5	6311.7	7448.6
76°	2927.8	1633.2	2800.5	5666.4	6586.1	5935.5	3427.2	1866.6	3186.3	5875.6	7022.7
77°	2083.5	685.6	1997.8	4900.2	5914.1	5350.2	2417.2	844.3	2148.0	5311.1	6363.4
78°	1239.1	284.1	1195.1	3941.8	4980.5	4551.1	1407.3	616.0	1066.1	4545.4	5374.0
79°	409.1	181.9	394.2	2741.9	3852.7	3498.0	401.9	394.6	754.4	3470.4	4138.3
80°	213.8	155.1	213.4	1756.5	2737.8	2467.4	216.0	173.2	469.2	2125.9	2803.7
81°	178.9	128.4	177.8	771.5	1622.9	1436.8	182.9	149.8	184.0	946.3	1450.7
82°	144.0	109.3	142.2	316.3	532.0	423.0	159.8	131.1	152.3	676.0	499.9
83°	109.3	91.7	106.9	246.7	268.6	232.5	136.7	112.4	130.5	425.5	366.7
84°	88.6	75.9	86.3	177.0	218.0	189.7	113.5	93.5	108.3	174.9	235.2
85°	68.1	58.1	65.4	108.1	177.3	146.8	92.3	73.8	86.8	130.6	196.7
86°	49.1	39.3	46.4	77.4	136.6	104.0	72.3	55.2	67.0	100.5	155.3
87°	34.8	27.2	32.9	51.8	96.1	77.0	53.7	36.7	48.1	74.4	106.5
88°	20.4	15.2	19.3	36.1	65.6	52.7	37.1	18.2	29.1	60.0	53.9
89°	6.2	3.3	6.0	20.3	35.1	36.6	20.4	5.8	10.2	45.7	41.0



REPORT NUMBER: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4111.7	4111.7	4111.7
1°	4111.2	4109.9	4111.1
2°	4112.7	4110.7	4110.7
3°	4115.7	4113.4	4113.2
4°	4120.7	4117.6	4116.0
5°	4127.5	4122.5	4120.0
6°	4135.2	4129.1	4126.7
7°	4144.8	4137.7	4134.5
8°	4155.5	4147.2	4143.7
9°	4168.7	4159.6	4155.5
10°	4183.7	4174.6	4169.7
11°	4202.8	4191.3	4187.5
12°	4223.7	4211.6	4206.8
13°	4245.7	4232.7	4228.5
14°	4270.2	4257.0	4252.8
15°	4298.4	4284.8	4280.6
16°	4330.0	4314.6	4309.4
17°	4363.4	4345.9	4339.7
18°	4398.1	4377.8	4370.5
19°	4435.1	4411.7	4402.6
20°	4473.4	4446.7	4436.4
21°	4513.1	4483.3	4470.4
22°	4553.4	4521.0	4505.0
23°	4594.8	4561.9	4541.8
24°	4636.8	4604.2	4579.7
25°	4680.1	4648.8	4620.8
26°	4724.1	4694.5	4662.1
27°	4769.2	4740.9	4707.3
28°	4815.7	4787.8	4754.3
29°	4862.2	4835.6	4803.1
30°	4909.7	4884.6	4855.9
31°	4958.2	4934.6	4910.7
32°	5007.9	4982.1	4965.9
33°	5058.7	5032.6	5025.3
34°	5109.4	5084.1	5087.5
35°	5161.8	5135.7	5150.4
36°	5214.8	5185.0	5213.2
37°	5264.7	5232.8	5278.5
38°	5317.0	5279.3	5344.7
39°	5368.8	5326.2	5411.1
40°	5420.4	5376.7	5479.9
41°	5473.6	5434.0	5551.1
42°	5530.7	5495.5	5620.0
43°	5591.0	5561.0	5683.9
44°	5657.1	5630.1	5743.7

REPORT NUMBER: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5726.1	5701.4	5802.6
46°	5801.7	5774.8	5858.1
47°	5879.0	5854.8	5910.2
48°	5956.3	5936.3	5962.0
49°	6038.2	6022.8	6016.6
50°	6120.2	6113.1	6074.2
51°	6208.5	6205.4	6135.0
52°	6299.0	6301.9	6195.6
53°	6390.3	6395.1	6264.7
54°	6488.6	6491.4	6338.0
55°	6586.7	6584.7	6412.5
56°	6687.0	6676.4	6487.0
57°	6788.5	6764.7	6560.2
58°	6892.7	6843.6	6628.5
59°	6998.8	6914.6	6700.3
60°	7108.3	6982.9	6768.0
61°	7215.1	7051.9	6825.7
62°	7321.9	7118.9	6874.8
63°	7430.1	7172.7	6925.2
64°	7535.5	7213.8	6988.2
65°	7641.7	7264.2	7057.2
66°	7743.8	7333.2	7099.0
67°	7834.1	7379.0	7106.3
68°	7897.8	7384.3	7101.7
69°	7961.4	7347.1	7024.1
70°	7998.6	7257.6	6749.4
71°	7977.4	7036.7	6203.0
72°	7869.9	6598.0	5488.8
73°	7718.6	5979.9	4798.3
74°	7485.1	5289.5	4131.6
75°	7049.9	4517.5	3144.5
76°	6453.9	3538.8	1832.6
77°	5735.7	2281.2	721.0
78°	4815.9	1073.0	526.1
79°	3520.4	760.9	349.5
80°	1950.3	476.6	172.8
81°	866.7	192.4	153.4
82°	624.3	158.3	135.6
83°	400.2	135.5	118.3
84°	176.1	113.3	100.5
85°	134.5	90.9	82.0
86°	104.5	70.0	60.7
87°	76.9	51.1	41.3
88°	61.8	32.3	21.9
89°	47.0	13.4	9.0



REPORT NUMBER: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

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: P1436786

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)