

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: P1436799

Luminaire Tested: XAS300-SFPM (4000K-120W-T5)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436799  
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-120W-T5)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 5  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

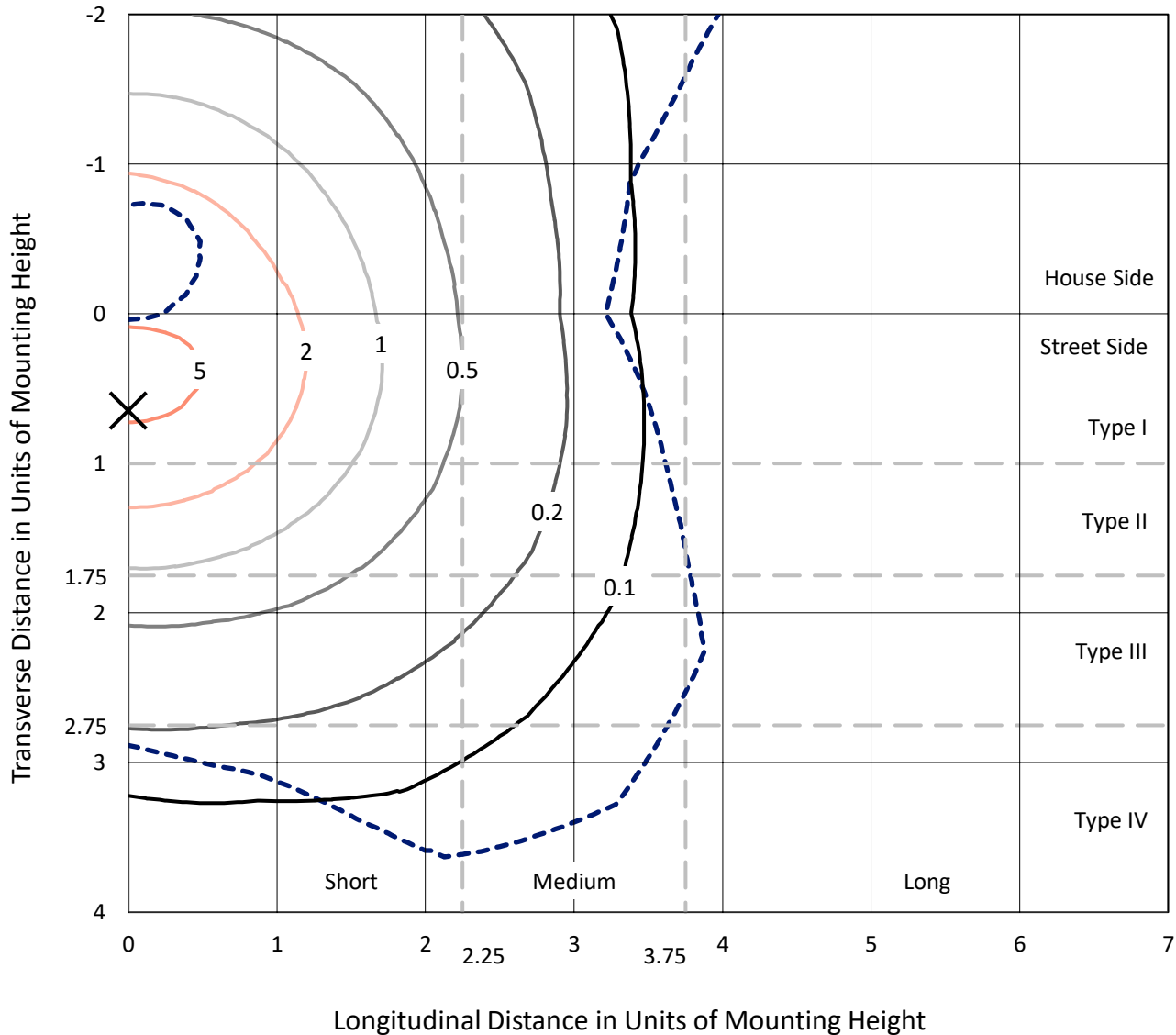
Lumens per Lamp: 46561 (1 lamp)  
Luminaire Lumens: 20841.4 lumens  
Efficiency: 44.8%  
Efficacy: 169.2 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 123.2  
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

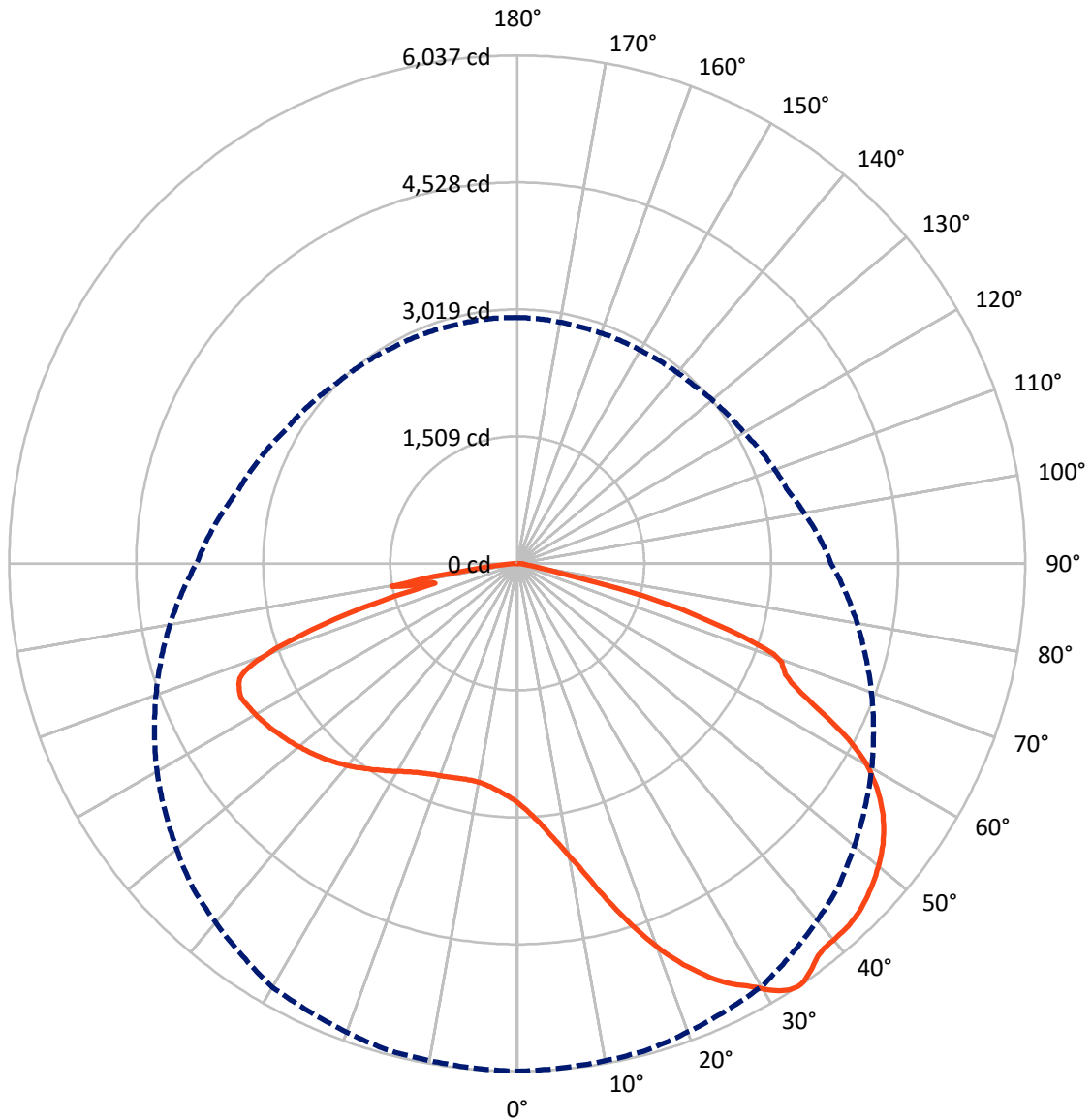
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - Full 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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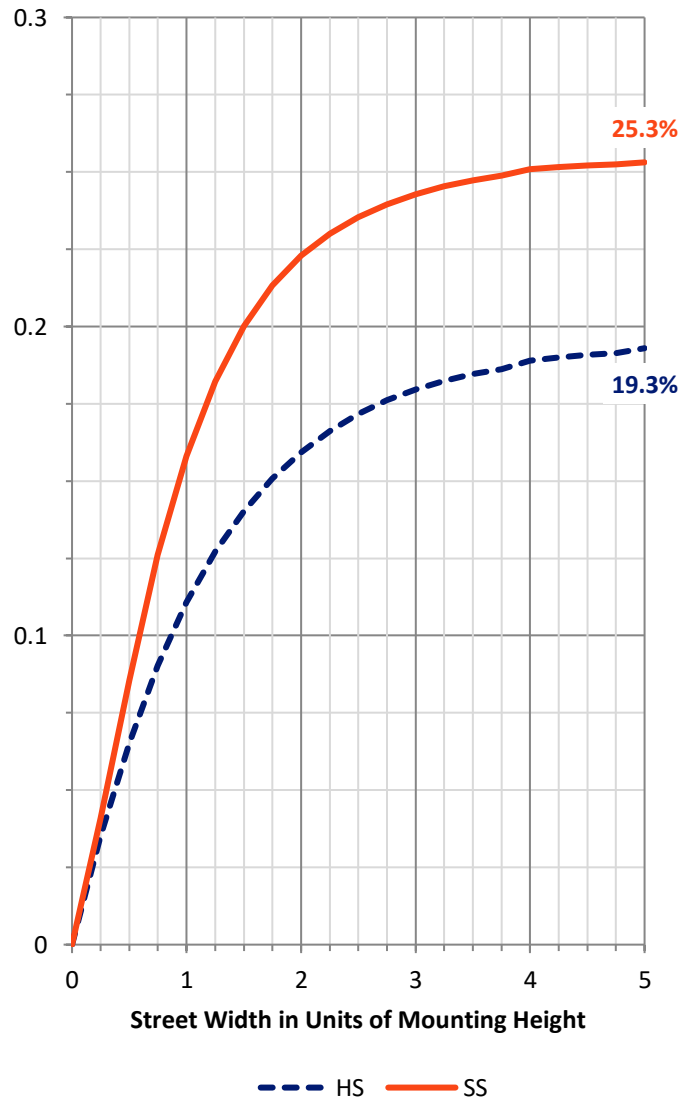
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9069.5	0.0	9069.5
	% Lamp	19.5	0.0	19.5
<b>Street Side</b>	Lumens	11771.9	0.0	11771.9
	% Lamp	25.3	0.0	25.3
<b>Total</b>	Lumens	20841.4	0.0	20841.4
	% Lamp	44.8	0.0	44.8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	281.5	1.4	0.6
10°-20°	931.4	4.5	2.0
20°-30°	1758.8	8.4	3.8
30°-40°	2650.5	12.7	5.7
40°-50°	3426.1	16.4	7.4
50°-60°	4103.4	19.7	8.8
60°-70°	4358.9	20.9	9.4
70°-80°	2986.9	14.3	6.4
80°-90°	344.1	1.7	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°	20841.4	100.0	44.8
0°-180°	20841.4	100.0	44.8

**Coefficient of Utilization**



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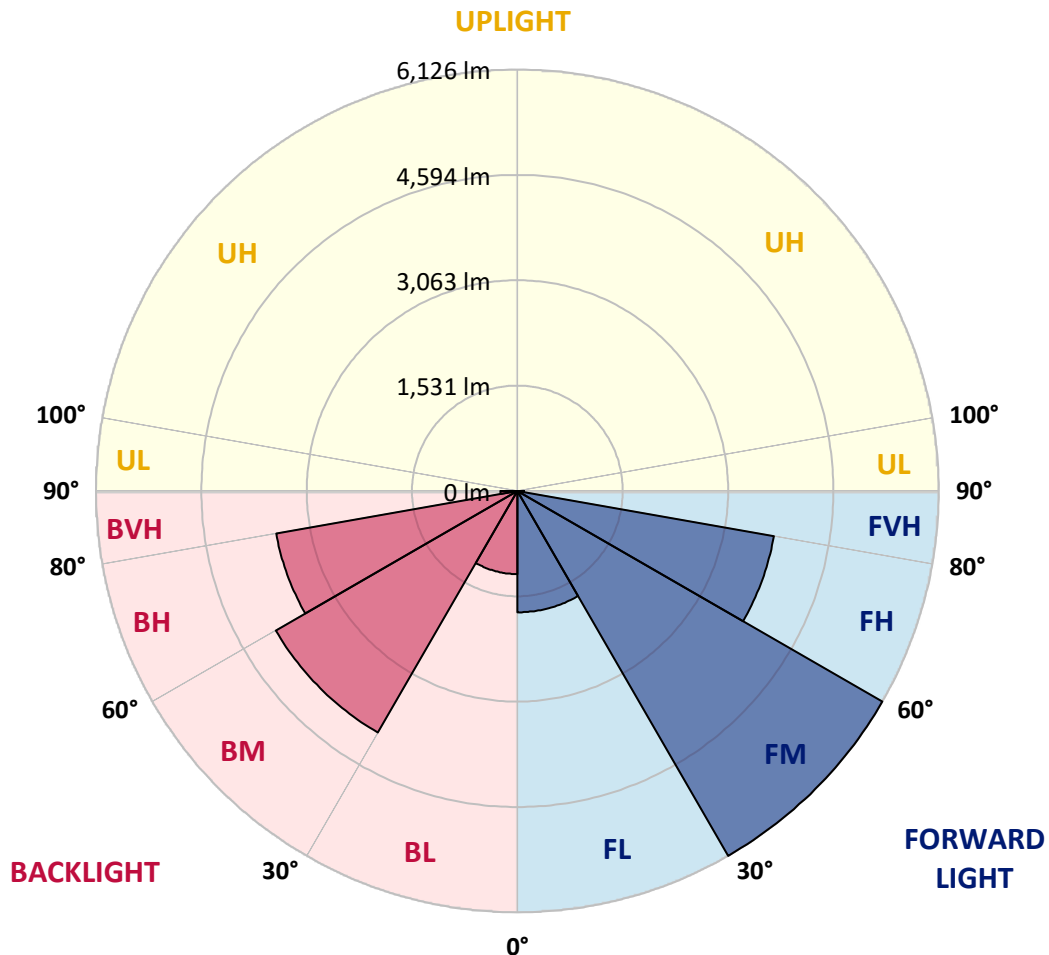
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.8	3.8			
FM (30°-60°)	6125.8	13.2			
FH (60°-80°)	3786.9	8.1			G2/5000
FVH (80°-90°)	95.4	0.2			G1/100
BL (0°-30°)	1207.9	2.6	B3/2500		
BM (30°-60°)	4054.1	8.7	B3/5000		
BH (60°-80°)	3558.9	7.6	B4/5000		G4/5000
BVH (80°-90°)	248.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	25719.6	55.2			

**BUG Rating: B4-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1
1°	2903.6	2902.6	2899.6	2895.3	2887.3	2877.3	2857.3	2847.0	2838.0	2830.6	2825.7
2°	2951.7	2948.6	2940.7	2928.0	2909.7	2889.4	2858.7	2838.4	2820.0	2805.7	2795.9
3°	3006.2	3000.8	2986.8	2963.8	2935.4	2903.7	2862.4	2831.9	2805.2	2784.8	2770.8
4°	3067.3	3059.0	3038.0	3005.4	2964.6	2921.0	2867.9	2827.5	2793.5	2767.2	2749.4
5°	3134.6	3123.2	3093.6	3050.7	2998.4	2941.6	2876.5	2826.3	2784.2	2753.1	2731.5
6°	3209.2	3195.0	3158.4	3101.3	3034.8	2963.4	2886.4	2826.6	2776.8	2740.7	2714.7
7°	3289.8	3273.0	3226.4	3156.8	3073.7	2987.0	2897.1	2827.9	2771.9	2729.9	2700.0
8°	3375.6	3355.9	3300.4	3216.9	3115.6	3013.0	2909.8	2831.2	2768.6	2720.7	2688.1
9°	3470.6	3448.5	3381.7	3281.3	3161.6	3041.5	2924.5	2835.5	2765.8	2713.5	2678.3
10°	3573.2	3544.2	3466.7	3350.7	3211.3	3071.9	2941.2	2840.9	2763.5	2709.3	2671.3
11°	3684.4	3651.4	3560.4	3424.1	3263.6	3105.0	2958.8	2848.0	2762.9	2706.0	2666.9
12°	3803.8	3763.6	3658.5	3503.3	3319.7	3140.7	2978.4	2857.4	2764.6	2704.7	2664.9
13°	3932.7	3885.6	3765.0	3586.4	3378.5	3178.4	3001.5	2868.3	2768.4	2704.8	2665.4
14°	4068.7	4016.0	3875.4	3675.3	3442.7	3219.7	3027.4	2881.1	2773.3	2707.0	2668.1
15°	4210.2	4150.3	3990.5	3768.6	3509.1	3262.4	3054.0	2895.4	2779.8	2710.8	2672.2
16°	4355.8	4286.3	4109.7	3864.5	3579.8	3308.4	3082.8	2912.6	2788.1	2715.9	2677.9
17°	4499.4	4424.1	4231.4	3961.1	3652.8	3357.3	3114.3	2930.8	2798.8	2723.2	2685.7
18°	4641.3	4560.8	4352.5	4061.9	3727.5	3408.8	3147.7	2950.9	2810.7	2732.6	2694.9
19°	4779.6	4695.0	4474.1	4160.7	3803.2	3461.2	3181.1	2972.4	2824.6	2742.5	2704.9
20°	4914.4	4823.1	4590.7	4259.2	3880.6	3514.2	3215.9	2995.5	2839.5	2755.0	2716.6
21°	5040.6	4947.9	4706.2	4357.8	3959.3	3570.2	3252.3	3019.7	2856.0	2768.1	2727.9
22°	5160.1	5066.1	4814.6	4454.0	4037.3	3628.2	3289.1	3044.1	2874.0	2782.7	2740.9
23°	5270.7	5180.7	4921.5	4549.6	4117.4	3686.8	3325.8	3068.4	2892.6	2798.3	2754.5
24°	5377.7	5288.1	5024.0	4640.9	4193.6	3744.8	3361.4	3092.9	2912.0	2813.9	2768.9
25°	5479.7	5392.9	5125.2	4731.3	4270.3	3801.4	3397.5	3117.0	2931.9	2830.6	2783.8
26°	5566.1	5486.0	5222.8	4819.9	4344.7	3859.7	3434.9	3141.8	2952.7	2847.6	2798.8
27°	5645.3	5570.6	5317.7	4905.0	4418.8	3919.2	3472.4	3166.2	2973.6	2864.7	2814.6
28°	5716.5	5645.3	5405.0	4990.0	4492.3	3978.6	3511.5	3190.8	2994.8	2882.9	2830.4
29°	5792.6	5719.2	5487.8	5073.3	4563.0	4039.7	3552.8	3217.4	3017.1	2900.4	2848.2
30°	5883.0	5805.6	5568.8	5157.0	4633.7	4103.1	3596.0	3245.6	3039.8	2919.4	2866.2
31°	5958.7	5886.6	5657.9	5242.5	4707.6	4165.3	3640.1	3274.1	3063.1	2939.0	2885.5
32°	6015.1	5950.2	5740.2	5328.0	4783.7	4226.4	3686.4	3302.7	3086.9	2959.6	2905.0
33°	6037.0	5987.3	5808.7	5410.8	4866.0	4287.4	3731.6	3331.6	3110.7	2980.5	2924.4
34°	6024.5	5985.1	5854.8	5485.5	4946.2	4355.7	3778.9	3361.1	3132.5	3000.7	2943.7
35°	5981.5	5951.0	5863.3	5544.2	5016.0	4428.0	3827.9	3391.6	3155.0	3022.3	2965.1
36°	5924.6	5901.4	5842.3	5582.7	5078.6	4498.5	3878.9	3423.2	3177.8	3044.8	2988.0
37°	5876.7	5844.1	5806.5	5591.2	5125.6	4559.4	3929.2	3453.6	3202.5	3068.1	3014.2
38°	5854.4	5806.9	5769.3	5580.9	5161.9	4611.8	3981.9	3482.1	3227.4	3094.2	3041.4
39°	5846.3	5788.1	5742.5	5567.0	5178.9	4655.6	4035.7	3512.8	3253.1	3122.5	3069.8
40°	5843.6	5778.7	5729.5	5559.8	5184.3	4688.3	4084.4	3545.8	3279.9	3154.0	3099.6
41°	5841.4	5772.4	5725.4	5559.8	5192.3	4711.6	4125.8	3581.9	3308.2	3184.2	3128.8
42°	5834.7	5767.5	5725.0	5568.3	5208.0	4732.6	4159.7	3615.7	3338.8	3217.4	3159.2
43°	5821.7	5760.4	5724.6	5583.1	5227.3	4757.7	4187.4	3646.5	3371.5	3251.0	3188.0
44°	5801.1	5751.4	5722.8	5600.1	5250.5	4789.9	4214.7	3676.4	3406.2	3287.2	3216.6

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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5773.8	5736.2	5718.7	5615.8	5276.9	4825.7	4244.3	3707.9	3440.7	3323.0	3244.3
46°	5740.2	5716.5	5712.0	5628.8	5306.5	4861.6	4276.4	3741.2	3477.0	3358.6	3271.5
47°	5704.0	5695.5	5704.0	5638.2	5336.5	4898.7	4307.3	3778.1	3512.8	3393.3	3299.8
48°	5665.5	5671.7	5693.2	5644.9	5365.6	4936.3	4339.0	3817.2	3548.9	3428.0	3327.6
49°	5625.6	5647.1	5678.0	5649.4	5394.7	4972.6	4369.0	3856.3	3586.7	3462.0	3358.1
50°	5582.7	5621.6	5659.6	5651.1	5421.5	5008.8	4397.1	3897.3	3624.4	3495.7	3388.9
51°	5533.9	5592.1	5637.7	5650.7	5446.1	5042.4	4422.6	3938.2	3661.6	3529.9	3422.6
52°	5479.3	5555.8	5612.7	5647.6	5471.2	5076.0	4445.9	3978.9	3698.7	3565.2	3458.2
53°	5418.8	5515.1	5585.8	5644.0	5492.2	5105.5	4466.6	4017.9	3737.7	3601.8	3495.9
54°	5350.8	5462.7	5556.7	5636.4	5510.1	5132.8	4487.8	4054.6	3778.5	3640.6	3535.8
55°	5275.1	5401.4	5524.5	5626.1	5525.8	5157.0	4507.0	4089.1	3819.3	3680.8	3577.0
56°	5189.2	5330.7	5484.6	5610.4	5538.3	5178.0	4525.4	4122.3	3860.9	3723.8	3617.6
57°	5092.1	5249.2	5436.7	5589.8	5546.4	5195.9	4541.5	4154.3	3903.9	3770.1	3658.0
58°	4984.2	5155.2	5378.1	5565.2	5549.5	5209.8	4553.6	4183.3	3948.8	3819.1	3696.9
59°	4869.2	5048.2	5313.2	5537.5	5546.9	5217.9	4562.5	4209.7	3991.5	3868.9	3732.9
60°	4731.3	4928.7	5238.0	5504.3	5537.5	5219.6	4567.0	4233.4	4034.6	3921.3	3767.1
61°	4560.3	4789.5	5154.3	5463.1	5520.0	5211.1	4565.2	4251.9	4079.2	3975.6	3805.4
62°	4356.8	4622.5	5060.3	5413.9	5499.4	5192.3	4557.2	4265.9	4124.6	4031.2	3844.2
63°	4128.4	4429.7	4952.9	5354.8	5470.3	5169.5	4546.9	4277.0	4169.7	4087.3	3882.7
64°	3902.4	4225.8	4832.9	5286.8	5430.5	5136.4	4530.3	4280.6	4212.7	4145.1	3919.1
65°	3706.2	4035.0	4703.1	5207.1	5383.9	5093.9	4504.4	4279.5	4254.2	4201.0	3954.4
66°	3550.4	3860.1	4563.4	5116.7	5327.1	5045.1	4464.5	4274.4	4289.3	4256.6	3990.5
67°	3450.7	3713.6	4426.8	5010.6	5251.9	4975.7	4405.8	4253.2	4321.4	4306.9	4023.0
68°	3399.6	3606.2	4296.1	4890.2	5162.8	4881.7	4311.9	4213.6	4348.4	4355.8	4052.5
69°	3355.3	3530.9	4175.2	4756.8	5050.9	4759.5	4163.8	4139.5	4366.4	4398.3	4068.3
70°	3229.8	3464.7	4062.9	4612.7	4914.8	4587.6	3934.8	4011.0	4365.0	4435.7	4077.5
71°	2980.6	3348.0	3964.6	4465.4	4755.0	4354.8	3605.7	3819.9	4335.5	4461.6	4077.9
72°	2648.4	3146.4	3868.3	4315.1	4569.3	4066.9	3245.9	3570.1	4270.4	4473.0	4051.1
73°	2315.7	2863.5	3758.4	4169.3	4353.7	3730.7	2911.6	3288.3	4157.3	4454.4	4000.5
74°	2007.8	2548.8	3622.6	4017.8	4103.6	3381.1	2606.9	3020.3	4009.1	4398.1	3915.8
75°	1560.3	2202.7	3446.6	3834.9	3827.4	3013.4	2250.9	2763.1	3829.5	4292.9	3759.3
76°	954.3	1773.9	3199.2	3627.9	3524.5	2614.8	1721.2	2435.9	3646.1	4124.7	3546.1
77°	422.3	1171.8	2881.3	3336.4	3183.8	2096.6	1117.3	1933.5	3441.1	3849.0	3308.5
78°	317.4	567.1	2476.0	2945.0	2772.5	1440.3	517.4	1374.2	3183.7	3442.7	3009.5
79°	219.8	414.0	1956.3	2453.9	2282.3	794.8	210.1	814.8	2765.5	2902.7	2604.0
80°	122.2	269.8	1262.7	1856.1	1700.5	363.5	139.9	261.9	2114.3	2311.1	2187.7
81°	106.6	125.6	639.5	1217.7	1037.0	250.0	120.9	158.4	1497.5	1783.8	1840.5
82°	93.8	107.6	467.4	595.3	480.3	143.5	106.3	129.4	880.7	1345.4	1620.1
83°	81.4	92.9	301.3	441.3	346.7	118.0	91.8	109.8	275.9	1073.9	1509.8
84°	68.9	78.5	135.2	292.0	225.8	98.8	77.3	90.2	181.5	802.5	1143.9
85°	56.0	64.1	100.3	142.8	104.8	80.3	63.8	70.6	146.2	532.0	778.0
86°	42.0	50.7	73.5	116.5	80.1	61.8	50.2	55.3	117.4	327.5	419.7
87°	30.4	38.1	54.9	89.2	60.6	45.1	36.2	41.5	88.7	227.8	293.0
88°	18.9	25.6	37.9	58.5	43.4	31.5	23.1	29.3	60.2	128.1	166.3
89°	7.4	13.0	21.0	31.1	24.3	17.9	16.2	20.4	41.0	28.6	42.2



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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1	2862.1
1°	2823.5	2823.6	2827.4	2833.0	2841.8	2851.2	2861.3	2861.7	2871.7	2881.1	2890.2
2°	2791.1	2790.8	2795.9	2805.8	2819.8	2837.6	2856.8	2867.4	2887.9	2907.3	2924.8
3°	2763.6	2762.0	2768.6	2781.5	2800.4	2825.4	2853.7	2874.5	2906.1	2936.6	2964.1
4°	2739.8	2738.3	2745.5	2760.8	2784.5	2815.7	2852.3	2883.2	2926.0	2968.6	3008.2
5°	2719.2	2716.7	2725.7	2743.5	2771.0	2807.7	2852.3	2893.1	2947.1	3002.4	3055.7
6°	2699.6	2697.2	2707.0	2727.5	2759.1	2801.4	2854.4	2905.2	2970.6	3040.1	3107.0
7°	2682.9	2679.7	2690.5	2713.8	2748.2	2796.2	2856.9	2918.1	2996.5	3080.5	3162.0
8°	2668.7	2664.8	2676.8	2702.6	2739.5	2792.0	2860.4	2932.1	3024.0	3124.1	3221.1
9°	2657.8	2653.1	2666.0	2692.4	2733.4	2789.1	2865.5	2947.8	3054.0	3170.5	3284.9
10°	2648.9	2644.5	2657.2	2685.0	2728.3	2788.0	2873.4	2966.8	3086.3	3220.6	3354.2
11°	2643.7	2639.0	2651.7	2680.7	2725.0	2789.9	2883.1	2988.4	3122.6	3274.8	3428.2
12°	2642.1	2636.6	2649.0	2678.4	2724.7	2793.4	2895.0	3012.3	3161.9	3332.8	3507.2
13°	2642.7	2636.5	2649.6	2678.7	2726.5	2799.6	2909.0	3037.6	3203.8	3394.7	3594.2
14°	2644.5	2638.8	2651.8	2681.9	2729.7	2807.0	2924.4	3063.7	3246.9	3461.2	3684.1
15°	2649.0	2642.6	2655.3	2686.3	2735.3	2816.4	2941.2	3093.4	3293.1	3530.3	3779.6
16°	2654.9	2648.5	2661.2	2692.5	2744.0	2827.5	2959.8	3125.1	3341.3	3604.2	3878.5
17°	2661.8	2655.7	2669.0	2700.5	2753.7	2840.7	2979.9	3158.1	3392.7	3679.6	3979.4
18°	2670.7	2663.8	2678.4	2711.0	2764.3	2855.0	3002.2	3193.3	3444.9	3758.3	4084.2
19°	2680.5	2672.1	2688.7	2722.8	2776.8	2870.6	3025.1	3228.7	3499.2	3837.9	4185.4
20°	2690.2	2680.9	2699.6	2736.0	2790.5	2888.1	3050.4	3265.4	3555.6	3918.5	4288.5
21°	2699.5	2689.8	2711.6	2750.4	2806.1	2907.2	3076.4	3303.2	3614.5	4001.0	4388.2
22°	2709.6	2699.0	2723.7	2765.0	2822.3	2927.4	3103.1	3340.4	3672.8	4081.9	4486.0
23°	2720.7	2710.1	2736.3	2780.9	2839.2	2948.4	3130.0	3377.8	3733.0	4164.0	4581.3
24°	2733.7	2723.2	2750.0	2797.6	2855.9	2970.7	3157.7	3414.9	3792.6	4244.3	4673.1
25°	2747.7	2737.6	2765.5	2815.5	2873.0	2993.7	3184.5	3453.4	3853.0	4323.5	4762.2
26°	2763.2	2754.5	2782.7	2833.2	2890.5	3016.1	3212.0	3491.0	3914.1	4399.1	4849.5
27°	2780.8	2773.6	2801.3	2850.3	2908.4	3039.0	3239.5	3530.8	3975.2	4475.4	4938.5
28°	2799.8	2794.6	2822.0	2867.6	2927.7	3062.4	3268.0	3573.0	4037.9	4549.6	5029.4
29°	2820.6	2817.3	2843.5	2886.1	2947.3	3085.2	3297.9	3616.8	4102.8	4625.2	5116.7
30°	2842.1	2842.3	2865.1	2904.4	2967.8	3108.4	3328.8	3662.9	4168.4	4704.0	5203.1
31°	2863.4	2867.1	2886.4	2923.2	2988.9	3131.2	3360.1	3711.3	4237.3	4786.4	5295.7
32°	2885.3	2894.5	2908.4	2942.2	3009.8	3154.4	3390.3	3759.3	4307.4	4866.9	5376.3
33°	2907.8	2922.2	2930.5	2961.7	3031.0	3176.7	3420.9	3810.8	4380.2	4944.8	5453.7
34°	2930.7	2949.0	2952.5	2981.3	3051.6	3197.7	3452.2	3862.4	4448.6	5017.3	5516.4
35°	2953.7	2977.4	2975.3	3002.4	3072.7	3219.4	3484.2	3914.0	4512.9	5081.3	5560.3
36°	2977.3	3007.1	2998.5	3025.4	3094.1	3242.4	3515.4	3963.1	4574.2	5131.5	5579.1
37°	3001.5	3035.7	3020.9	3051.6	3118.0	3265.8	3544.3	4014.8	4626.6	5161.5	5580.9
38°	3023.9	3063.8	3042.4	3079.3	3145.7	3290.4	3573.3	4062.9	4666.4	5175.8	5570.1
39°	3045.7	3093.8	3063.7	3108.9	3175.3	3316.5	3599.9	4105.9	4695.0	5184.7	5558.9
40°	3068.8	3123.7	3086.2	3138.6	3206.3	3342.5	3628.4	4143.8	4715.2	5194.1	5556.3
41°	3092.4	3151.2	3110.5	3168.5	3239.3	3370.6	3655.8	4178.4	4734.0	5208.0	5564.8
42°	3116.5	3179.0	3136.1	3197.8	3274.4	3400.0	3686.0	4210.5	4759.5	5226.4	5582.2
43°	3141.3	3205.4	3162.4	3226.4	3309.9	3430.6	3720.3	4243.2	4794.0	5248.7	5602.4
44°	3166.4	3231.6	3189.9	3255.3	3344.4	3465.4	3756.6	4275.0	4832.0	5276.9	5621.2



REPORT NUMBER: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3192.9	3257.5	3217.5	3283.9	3378.9	3501.8	3792.9	4305.6	4868.3	5309.2	5637.3
46°	3220.5	3282.3	3247.0	3312.9	3412.7	3540.2	3828.1	4336.4	4903.6	5344.1	5650.7
47°	3250.7	3308.5	3277.8	3341.5	3446.5	3580.9	3866.1	4368.1	4939.0	5378.5	5660.1
48°	3283.8	3330.8	3310.7	3370.2	3479.3	3623.1	3908.3	4396.0	4977.0	5409.9	5666.4
49°	3318.8	3353.5	3345.0	3400.7	3512.8	3664.0	3950.5	4421.5	5015.1	5438.5	5671.3
50°	3353.2	3376.0	3381.2	3433.2	3546.8	3703.8	3992.6	4444.3	5050.0	5463.6	5673.5
51°	3388.8	3400.3	3416.8	3467.5	3581.2	3741.6	4034.0	4465.6	5083.1	5486.4	5673.5
52°	3425.1	3423.0	3454.0	3504.2	3617.7	3779.3	4073.9	4487.8	5112.7	5507.0	5671.7
53°	3461.6	3444.4	3490.6	3542.9	3655.0	3818.3	4110.4	4507.5	5139.1	5525.4	5668.6
54°	3497.8	3464.9	3525.7	3582.5	3694.7	3858.2	4143.5	4526.3	5161.5	5540.6	5661.9
55°	3530.4	3486.2	3557.1	3624.3	3737.3	3899.9	4173.9	4541.5	5179.8	5550.9	5652.0
56°	3558.7	3507.0	3584.9	3666.0	3782.4	3942.7	4201.6	4555.4	5193.2	5559.4	5636.4
57°	3582.4	3527.4	3610.9	3708.4	3830.4	3984.5	4226.9	4567.9	5199.5	5562.5	5615.8
58°	3605.4	3547.2	3634.2	3746.2	3881.5	4026.3	4249.8	4576.0	5203.1	5558.0	5585.3
59°	3627.0	3566.7	3655.8	3781.2	3934.0	4068.0	4269.1	4578.2	5200.8	5548.2	5552.2
60°	3647.3	3583.7	3674.5	3817.0	3988.0	4108.2	4283.5	4575.5	5189.7	5534.3	5512.4
61°	3664.1	3599.3	3690.2	3856.5	4042.9	4148.1	4292.9	4572.4	5171.3	5515.1	5470.8
62°	3677.6	3615.6	3704.8	3896.2	4099.1	4189.9	4297.2	4565.7	5147.1	5486.0	5421.5
63°	3693.3	3630.7	3720.5	3930.7	4153.4	4231.0	4298.9	4549.6	5114.9	5447.9	5361.5
64°	3707.5	3646.3	3737.3	3962.7	4210.0	4269.5	4294.8	4524.9	5073.7	5400.0	5286.3
65°	3720.6	3649.2	3748.7	3995.3	4265.1	4306.3	4283.7	4482.9	5016.9	5340.5	5196.4
66°	3727.9	3630.1	3748.0	4029.4	4315.9	4339.1	4258.7	4416.4	4940.3	5266.6	5091.6
67°	3724.2	3608.6	3738.7	4057.6	4364.7	4359.1	4213.4	4327.1	4838.7	5181.6	4977.5
68°	3713.4	3570.7	3724.9	4080.6	4406.3	4361.7	4142.3	4181.7	4708.5	5075.5	4852.6
69°	3680.5	3472.2	3685.9	4092.6	4440.9	4347.8	4030.8	3953.5	4542.4	4946.6	4719.2
70°	3607.7	3305.5	3600.6	4093.5	4466.1	4314.6	3850.6	3631.6	4314.7	4793.1	4571.9
71°	3478.2	3052.2	3455.2	4078.4	4478.4	4250.6	3596.4	3258.7	4014.3	4606.4	4416.8
72°	3268.2	2741.2	3228.5	4041.4	4467.3	4157.6	3317.5	2925.9	3676.4	4399.5	4260.4
73°	2977.1	2422.0	2948.9	3982.3	4411.0	4017.3	3057.6	2626.3	3314.3	4145.6	4097.1
74°	2660.0	2102.3	2630.6	3869.4	4303.1	3850.6	2809.0	2284.9	2958.8	3851.1	3920.9
75°	2330.5	1702.2	2289.2	3689.3	4148.5	3675.9	2466.1	1757.7	2558.3	3522.3	3710.0
76°	1977.8	1281.5	1932.4	3475.6	3913.5	3487.7	1957.1	1096.3	2052.3	3176.2	3460.2
77°	1580.0	1003.2	1559.1	3226.2	3556.8	3235.2	1385.1	512.7	1417.0	2778.7	3112.5
78°	1319.0	1052.1	1338.1	2905.3	3070.8	2835.4	813.1	374.5	769.9	2298.6	2627.4
79°	1364.2	1326.9	1438.9	2488.2	2533.7	2226.8	242.5	250.3	342.3	1743.7	2056.8
80°	1639.5	1514.5	1705.3	2057.7	2006.3	1573.2	158.1	126.1	243.2	1099.2	1424.3
81°	1734.9	1174.5	1700.8	1678.8	1558.6	919.6	130.0	108.3	145.0	523.7	788.1
82°	1312.1	834.6	1276.4	1522.7	1240.5	278.7	111.6	94.4	120.1	382.4	568.6
83°	889.3	496.0	852.0	1200.1	922.4	187.1	93.1	80.8	101.6	248.1	360.6
84°	468.4	264.6	429.9	877.5	605.6	153.5	74.7	67.1	84.3	113.7	152.6
85°	247.5	159.6	239.4	555.0	352.6	124.9	59.5	52.7	65.7	85.0	128.4
86°	198.3	55.9	191.8	308.8	248.2	96.4	45.9	39.6	49.3	64.9	103.5
87°	149.0	37.7	144.2	247.2	143.9	67.9	33.2	26.5	35.4	47.5	73.5
88°	99.7	19.5	96.6	185.6	40.5	51.5	22.9	13.4	21.5	30.3	40.1
89°	50.5	1.7	48.9	124.0	21.4	35.2	12.6	4.5	7.6	23.0	30.2



REPORT NUMBER: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	2862.1	2862.1	2862.1
1°	2896.2	2901.5	2903.6
2°	2939.2	2948.8	2951.7
3°	2987.3	3001.8	3006.2
4°	3040.3	3060.7	3067.3
5°	3097.9	3125.7	3134.6
6°	3161.5	3197.4	3209.2
7°	3230.2	3275.0	3289.8
8°	3303.4	3357.8	3375.6
9°	3383.1	3448.6	3470.6
10°	3469.2	3548.2	3573.2
11°	3561.9	3654.4	3684.4
12°	3660.7	3767.4	3803.8
13°	3768.3	3889.9	3932.7
14°	3878.5	4018.4	4068.7
15°	3994.3	4152.3	4210.2
16°	4116.7	4292.0	4355.8
17°	4243.3	4430.9	4499.4
18°	4368.6	4571.9	4641.3
19°	4490.0	4705.3	4779.6
20°	4608.6	4833.8	4914.4
21°	4723.7	4955.1	5040.6
22°	4833.4	5071.5	5160.1
23°	4938.1	5186.5	5270.7
24°	5040.6	5297.1	5377.7
25°	5142.7	5403.6	5479.7
26°	5243.8	5500.7	5566.1
27°	5341.8	5586.2	5645.3
28°	5429.6	5660.5	5716.5
29°	5512.8	5737.5	5792.6
30°	5597.0	5822.1	5883.0
31°	5680.7	5900.5	5958.7
32°	5759.5	5957.8	6015.1
33°	5816.3	5986.0	6037.0
34°	5846.3	5980.6	6024.5
35°	5846.8	5945.2	5981.5
36°	5827.1	5891.1	5924.6
37°	5790.4	5838.2	5876.7
38°	5757.2	5803.3	5854.4
39°	5740.7	5788.1	5846.3
40°	5734.8	5780.5	5843.6
41°	5733.5	5776.9	5841.4
42°	5733.5	5772.9	5834.7
43°	5734.0	5768.0	5821.7
44°	5734.0	5759.5	5801.1

REPORT NUMBER: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	5732.6	5744.7	5773.8
46°	5729.9	5725.0	5740.2
47°	5724.1	5703.1	5704.0
48°	5715.6	5679.3	5665.5
49°	5700.8	5654.7	5625.6
50°	5682.9	5631.0	5582.7
51°	5660.1	5603.3	5533.9
52°	5633.7	5568.8	5479.3
53°	5605.9	5527.6	5418.8
54°	5577.3	5474.8	5350.8
55°	5544.6	5413.0	5275.1
56°	5505.2	5341.8	5189.2
57°	5456.4	5259.0	5092.1
58°	5396.5	5163.7	4984.2
59°	5330.2	5055.4	4869.2
60°	5254.1	4937.2	4731.3
61°	5165.5	4802.5	4560.3
62°	5068.8	4640.9	4356.8
63°	4966.7	4452.3	4128.4
64°	4853.5	4246.5	3902.4
65°	4726.8	4054.7	3706.2
66°	4590.3	3889.5	3550.4
67°	4455.1	3749.0	3450.7
68°	4320.8	3642.8	3399.6
69°	4204.2	3560.0	3355.3
70°	4101.9	3487.0	3229.8
71°	3996.1	3369.6	2980.6
72°	3875.3	3162.1	2648.4
73°	3760.8	2874.6	2315.7
74°	3614.9	2544.3	2007.8
75°	3398.2	2186.1	1560.3
76°	3111.5	1749.7	954.3
77°	2780.0	1171.1	422.3
78°	2356.4	588.4	317.4
79°	1769.9	425.0	219.8
80°	1027.9	277.2	122.2
81°	491.6	129.4	106.6
82°	366.7	107.4	93.8
83°	244.9	93.7	81.4
84°	123.1	78.5	68.9
85°	89.9	63.0	56.0
86°	67.5	49.0	42.0
87°	49.5	36.3	30.4
88°	39.7	23.5	18.9
89°	30.2	10.8	7.4



REPORT NUMBER: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**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: P1436799

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)