

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: P1445066

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445066
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
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: 45535 (1 lamp)
Luminaire Lumens: 20841.4 lumens
Efficiency: 45.8%
Efficacy: 169.2 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

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

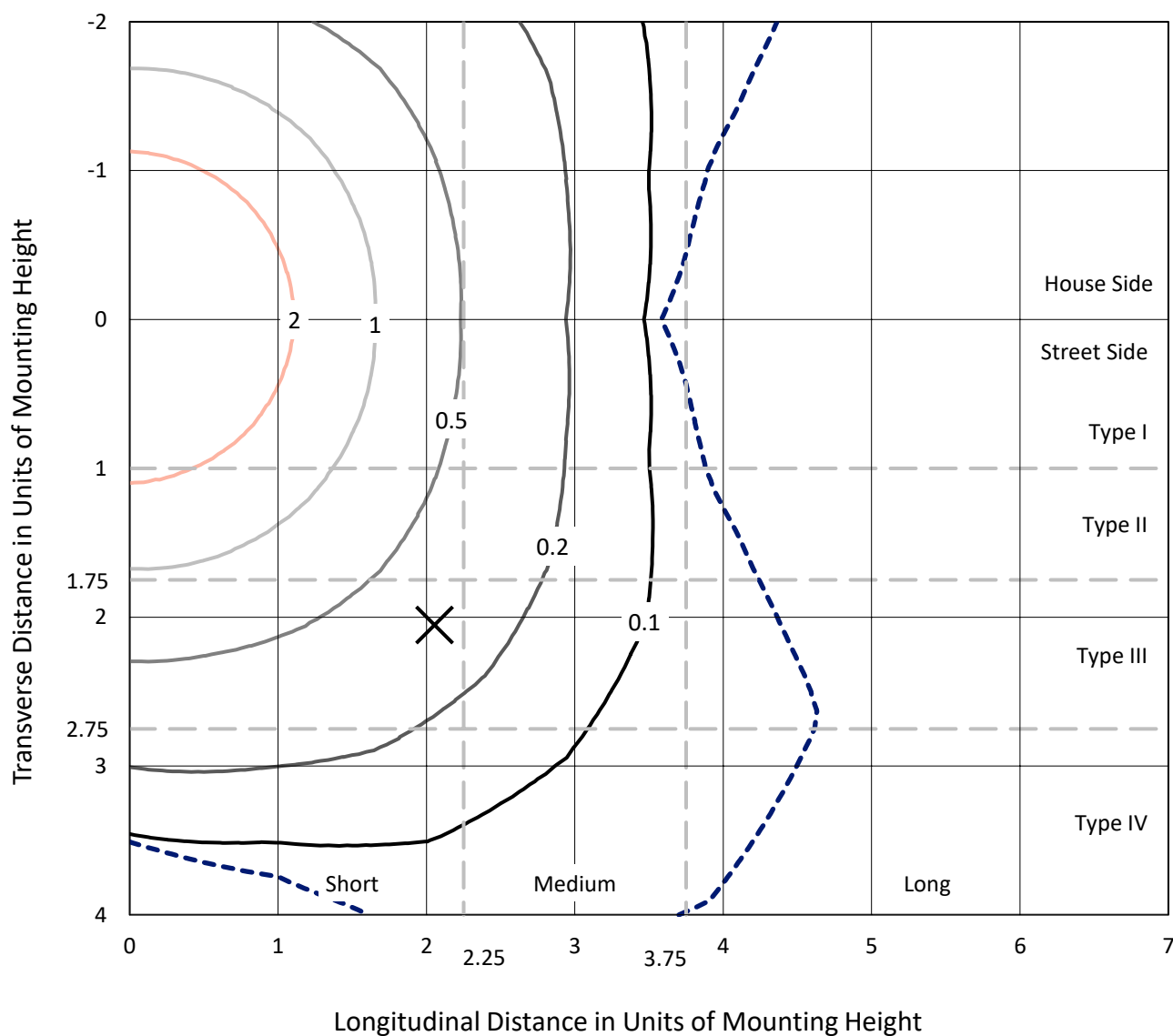
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

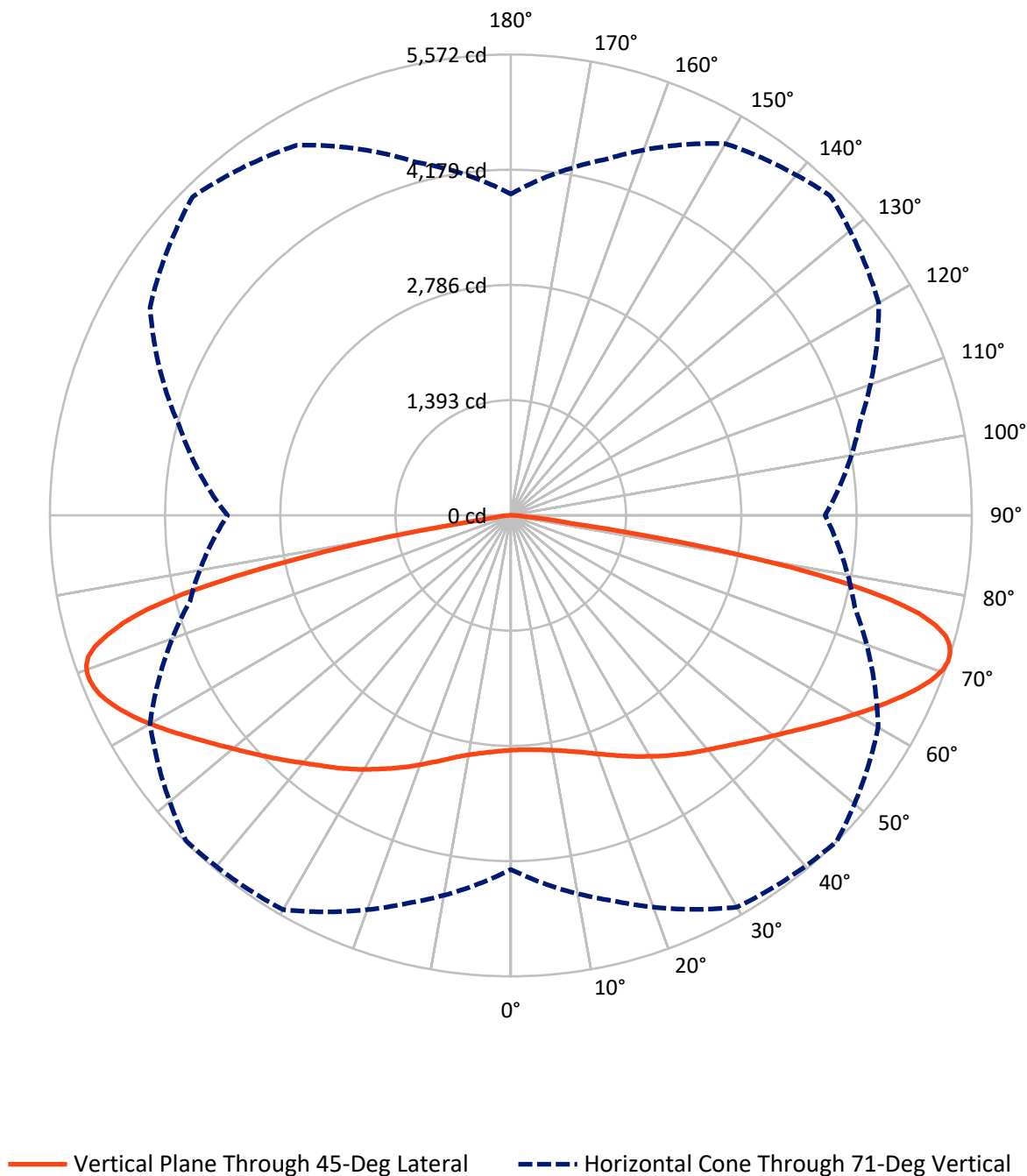


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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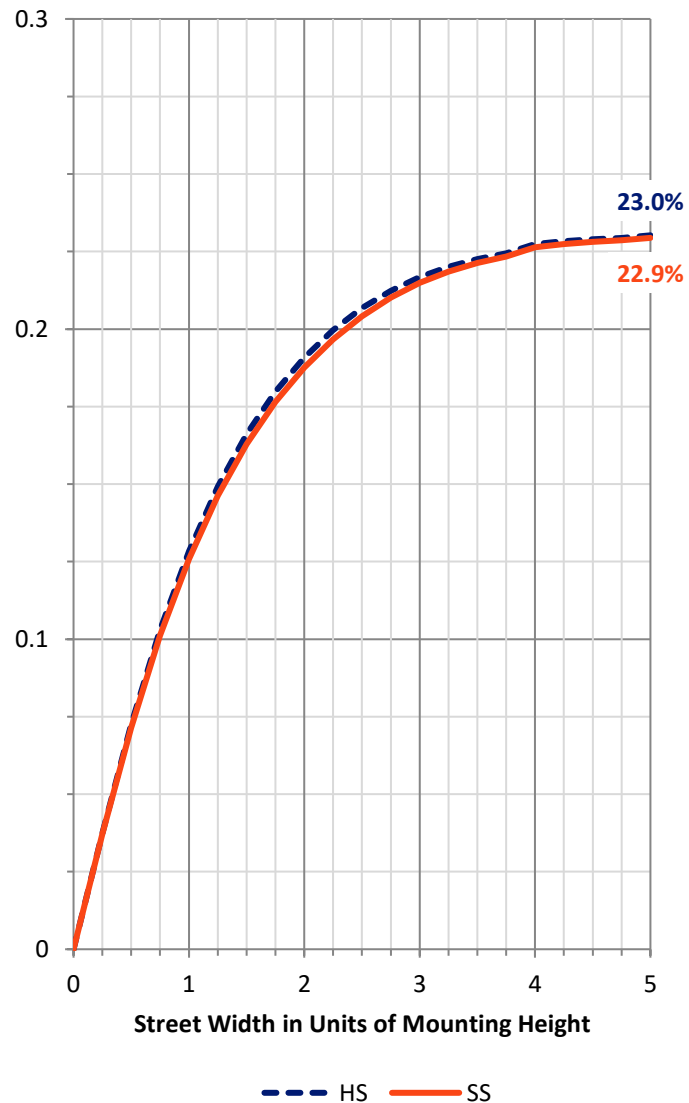
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10423.0	0.0	10423.0
	% Lamp	22.9	0.0	22.9
Street Side	Lumens	10418.4	0.0	10418.4
	% Lamp	22.9	0.0	22.9
Total	Lumens	20841.4	0.0	20841.4
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	274.1	1.3	0.6
10°-20°	855.4	4.1	1.9
20°-30°	1524.5	7.3	3.3
30°-40°	2281.3	10.9	5.0
40°-50°	3122.8	15.0	6.9
50°-60°	4072.1	19.5	8.9
60°-70°	4909.3	23.6	10.8
70°-80°	3587.9	17.2	7.9
80°-90°	214.1	1.0	0.5
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	45.8
0°-180°	20841.4	100.0	45.8

Coefficient of Utilization



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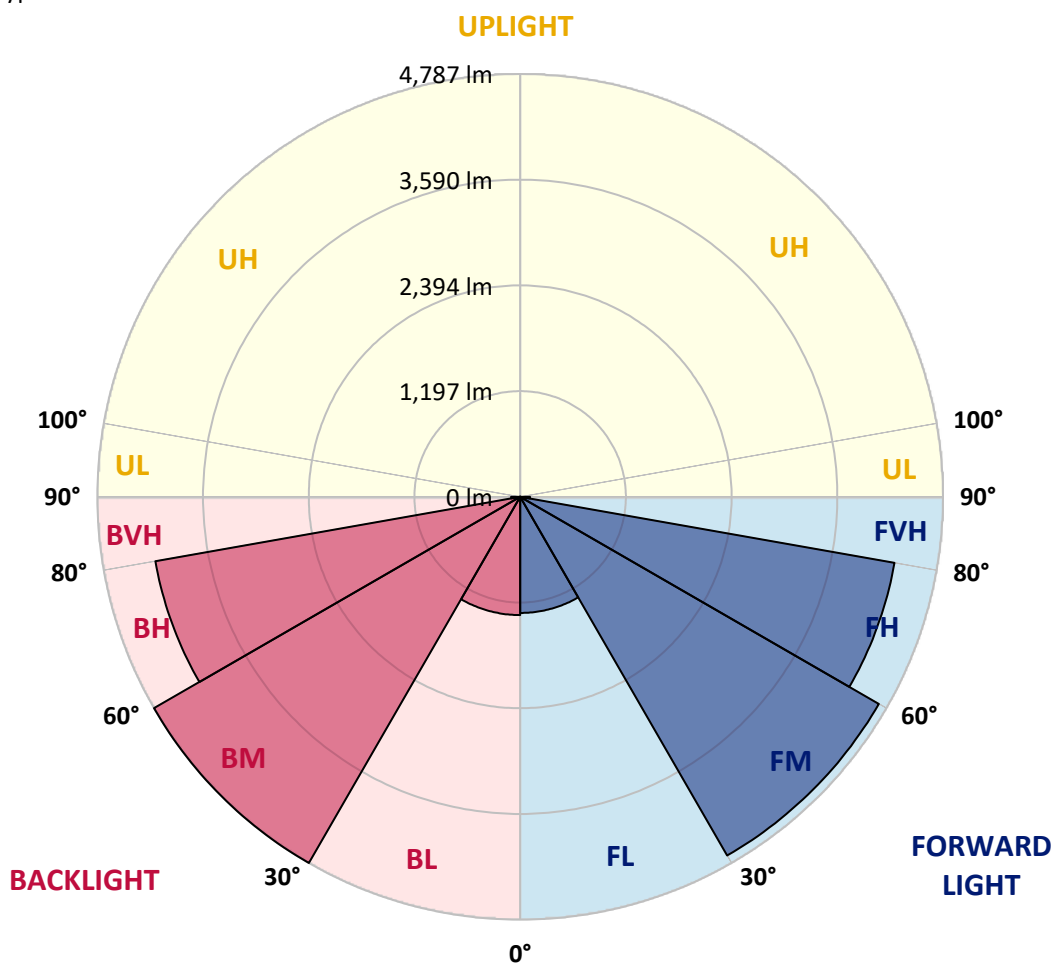
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1315.0	2.9			
FM	(30°-60°)	4688.9	10.3			
FH	(60°-80°)	4303.2	9.5			G2/5000
FVH	(80°-90°)	111.4	0.2			G2/225
BL	(0°-30°)	1339.0	2.9	B3/2500		
BM	(30°-60°)	4787.3	10.5	B3/5000		
BH	(60°-80°)	4194.0	9.2	B4/5000		G2/5000
BVH	(80°-90°)	102.7	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		24693.6	54.2			

BUG Rating: B4-U0-G2

Type V Short



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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9
1°	2836.4	2835.6	2835.8	2836.2	2836.7	2837.7	2835.4	2835.4	2835.9	2836.7	2837.0
2°	2836.2	2835.6	2835.6	2836.2	2837.1	2837.9	2835.9	2836.4	2837.4	2838.8	2839.6
3°	2837.9	2836.5	2836.9	2837.1	2838.9	2840.5	2838.5	2839.5	2840.9	2842.7	2843.7
4°	2839.8	2838.7	2839.3	2840.7	2842.5	2844.2	2842.5	2843.7	2846.0	2847.8	2848.9
5°	2842.5	2841.7	2843.0	2844.8	2847.9	2850.7	2849.2	2850.5	2852.1	2854.3	2856.5
6°	2847.1	2845.6	2847.9	2850.9	2855.2	2858.3	2857.2	2858.4	2859.7	2861.7	2864.7
7°	2852.5	2851.9	2853.9	2858.7	2863.3	2865.9	2865.4	2867.2	2868.3	2870.6	2874.3
8°	2858.9	2858.3	2862.0	2867.2	2871.9	2876.0	2875.3	2877.3	2879.4	2881.6	2886.2
9°	2867.1	2865.9	2870.8	2876.2	2882.8	2887.2	2886.7	2888.5	2891.8	2894.7	2899.2
10°	2876.9	2876.1	2881.2	2887.5	2895.5	2900.1	2899.4	2900.8	2905.1	2910.3	2914.2
11°	2889.1	2887.3	2893.4	2900.8	2908.9	2913.1	2913.1	2914.4	2919.4	2926.3	2930.9
12°	2902.4	2900.5	2906.5	2914.9	2923.3	2928.4	2929.1	2930.6	2936.6	2944.7	2949.6
13°	2917.4	2914.8	2920.7	2930.7	2939.2	2945.1	2946.7	2949.3	2955.5	2964.1	2970.0
14°	2934.2	2931.6	2936.1	2947.4	2956.8	2965.4	2967.2	2969.2	2976.4	2984.9	2992.5
15°	2953.4	2949.5	2953.9	2965.2	2976.5	2986.1	2989.0	2991.9	2999.0	3007.7	3015.7
16°	2973.2	2968.9	2973.9	2984.6	2997.8	3008.5	3013.0	3017.0	3022.8	3031.6	3040.0
17°	2994.2	2988.4	2995.0	3005.1	3020.1	3033.4	3039.0	3041.9	3048.7	3057.2	3065.5
18°	3015.4	3010.0	3016.0	3028.7	3043.6	3059.7	3066.3	3069.6	3075.6	3084.6	3092.7
19°	3037.5	3032.1	3039.6	3054.5	3068.4	3086.5	3095.4	3097.9	3103.6	3112.8	3120.3
20°	3060.9	3055.6	3063.8	3080.0	3094.9	3114.0	3125.2	3127.9	3132.5	3141.6	3148.2
21°	3084.3	3079.9	3089.0	3107.0	3122.0	3144.0	3155.3	3159.9	3162.5	3172.5	3177.1
22°	3108.2	3104.5	3115.5	3134.3	3150.6	3174.4	3186.1	3192.8	3194.4	3203.2	3205.4
23°	3133.5	3131.0	3142.7	3163.2	3181.4	3205.7	3216.3	3224.8	3227.1	3234.4	3235.5
24°	3159.7	3158.7	3170.2	3192.1	3211.8	3235.0	3244.9	3256.4	3260.2	3265.6	3264.7
25°	3188.0	3187.4	3199.2	3222.4	3242.7	3264.8	3273.1	3287.8	3292.8	3297.5	3295.3
26°	3216.6	3218.1	3228.4	3252.8	3272.8	3295.8	3302.5	3319.4	3326.2	3329.5	3326.3
27°	3247.7	3249.5	3259.2	3283.6	3303.0	3327.5	3333.2	3352.4	3359.4	3360.9	3357.2
28°	3280.2	3282.3	3290.4	3314.4	3333.5	3359.9	3366.0	3384.4	3392.4	3393.6	3388.8
29°	3313.9	3315.0	3322.8	3346.3	3364.4	3392.4	3400.2	3418.1	3427.0	3425.3	3421.0
30°	3350.3	3349.1	3355.3	3378.1	3396.7	3426.1	3437.2	3453.6	3461.3	3458.0	3454.2
31°	3388.1	3383.1	3389.0	3412.2	3428.7	3460.7	3474.3	3489.4	3497.7	3492.6	3488.0
32°	3426.2	3417.1	3421.8	3445.7	3462.0	3493.3	3510.3	3524.3	3533.1	3528.0	3524.1
33°	3467.2	3451.0	3455.1	3478.2	3496.0	3526.2	3546.8	3558.6	3567.8	3563.9	3557.9
34°	3510.1	3485.6	3488.8	3511.6	3529.0	3559.3	3584.0	3592.6	3600.7	3597.2	3593.5
35°	3553.4	3521.0	3524.5	3547.1	3561.3	3592.9	3621.8	3626.9	3633.0	3632.4	3630.5
36°	3596.8	3555.4	3558.8	3580.7	3593.9	3625.6	3660.2	3660.5	3666.8	3668.7	3667.3
37°	3641.8	3587.9	3593.3	3613.2	3626.9	3655.6	3699.4	3693.9	3702.0	3705.1	3705.9
38°	3687.5	3619.4	3626.5	3647.8	3660.3	3686.5	3739.4	3726.3	3736.8	3742.6	3743.8
39°	3733.4	3651.7	3659.7	3681.6	3693.5	3719.5	3782.5	3759.9	3771.5	3780.4	3781.2
40°	3780.8	3686.0	3693.1	3716.2	3727.6	3754.0	3828.8	3796.0	3808.1	3820.3	3820.6
41°	3829.9	3723.2	3728.9	3752.3	3764.1	3791.5	3874.0	3833.6	3846.3	3859.7	3859.3
42°	3877.5	3765.2	3766.7	3790.9	3802.1	3830.8	3916.6	3874.4	3885.1	3901.2	3900.2
43°	3921.6	3810.4	3806.4	3832.0	3844.3	3870.8	3960.1	3915.2	3927.3	3944.2	3942.8
44°	3962.8	3858.0	3848.8	3874.9	3888.1	3914.0	4003.8	3956.8	3970.9	3989.4	3987.2

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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°
45°	4003.4	3904.9	3893.1	3919.5	3932.0	3959.3	4047.7	3999.7	4014.8	4035.9	4033.3
46°	4041.8	3954.7	3940.5	3966.8	3979.3	4006.1	4088.7	4046.4	4061.5	4083.8	4081.6
47°	4077.7	4007.5	3991.5	4014.2	4027.1	4055.1	4127.2	4095.1	4109.2	4133.6	4130.5
48°	4113.4	4063.2	4043.7	4064.3	4075.0	4103.9	4165.2	4144.8	4158.4	4185.0	4182.5
49°	4151.1	4121.5	4097.5	4116.5	4126.3	4153.7	4201.3	4193.7	4206.9	4236.0	4235.9
50°	4190.8	4183.0	4153.5	4169.6	4180.8	4206.0	4235.9	4244.2	4257.9	4289.1	4291.3
51°	4232.8	4245.6	4212.7	4225.2	4233.1	4257.5	4269.1	4294.4	4309.0	4343.4	4348.0
52°	4274.6	4310.1	4273.4	4283.9	4290.0	4310.6	4299.4	4345.7	4361.7	4399.2	4406.3
53°	4322.2	4376.7	4335.8	4347.4	4346.2	4360.1	4328.6	4393.8	4415.0	4457.0	4466.8
54°	4372.9	4442.0	4402.0	4411.5	4403.5	4406.7	4359.0	4440.2	4470.9	4515.8	4527.8
55°	4424.3	4506.1	4470.8	4478.7	4460.8	4451.7	4388.9	4484.1	4524.5	4578.0	4589.9
56°	4475.7	4568.8	4540.9	4548.5	4519.5	4497.7	4419.4	4527.0	4578.0	4641.1	4651.2
57°	4526.1	4628.3	4612.3	4618.7	4577.5	4542.5	4449.4	4567.7	4632.9	4708.4	4711.6
58°	4573.3	4685.1	4682.3	4693.3	4636.1	4582.1	4479.0	4605.0	4686.0	4776.6	4767.9
59°	4622.8	4734.9	4755.1	4767.9	4693.8	4616.9	4504.9	4639.7	4738.2	4846.6	4819.2
60°	4669.5	4783.5	4826.9	4845.3	4750.5	4647.5	4526.5	4670.4	4789.4	4918.0	4867.7
61°	4709.3	4825.1	4902.9	4923.5	4804.5	4671.8	4543.3	4694.7	4842.1	4990.8	4919.4
62°	4743.2	4861.3	4977.5	5000.9	4859.9	4688.3	4554.7	4714.8	4894.2	5061.7	4973.4
63°	4778.0	4896.1	5052.1	5078.7	4914.8	4701.1	4562.8	4731.7	4944.6	5131.3	5023.8
64°	4821.5	4929.5	5124.5	5157.4	4964.7	4707.9	4566.2	4742.3	4994.0	5200.0	5070.9
65°	4869.1	4968.8	5198.1	5237.5	5014.6	4712.5	4566.5	4750.1	5042.1	5262.2	5114.8
66°	4897.9	5010.9	5267.7	5313.5	5060.8	4714.4	4553.9	4751.4	5085.1	5320.8	5159.2
67°	4902.9	5043.9	5327.2	5384.0	5097.5	4705.2	4528.7	4740.0	5121.7	5370.2	5197.2
68°	4899.7	5054.4	5383.1	5451.7	5133.2	4672.2	4466.8	4713.0	5151.9	5412.8	5226.1
69°	4846.2	5038.9	5434.8	5508.0	5152.4	4611.8	4331.6	4654.9	5171.1	5443.0	5231.6
70°	4656.7	4982.1	5467.7	5550.1	5149.6	4490.8	4117.0	4546.7	5169.3	5462.2	5219.2
71°	4279.7	4825.1	5467.7	5571.6	5126.7	4304.0	3798.5	4370.5	5135.9	5461.3	5189.0
72°	3787.0	4527.5	5420.6	5565.7	5073.2	4054.1	3459.1	4112.9	5068.6	5437.5	5112.6
73°	3310.5	4114.0	5327.2	5533.6	4983.9	3757.7	3155.3	3795.5	4956.9	5368.9	4987.1
74°	2850.5	3652.3	5174.8	5456.7	4843.4	3465.0	2902.3	3466.6	4804.1	5247.1	4799.9
75°	2169.5	3139.7	4939.5	5304.3	4675.4	3175.6	2607.9	3158.8	4600.4	5059.9	4500.4
76°	1264.4	2472.7	4583.4	5075.9	4457.6	2809.2	2091.4	2833.6	4350.0	4804.5	4092.7
77°	497.5	1572.3	4105.2	4702.5	4166.3	2250.9	1472.3	2323.4	4037.2	4423.3	3603.5
78°	363.0	713.7	3509.6	4161.0	3737.7	1503.5	853.1	1646.4	3637.1	3878.4	3003.3
79°	241.1	506.9	2705.2	3442.7	3140.2	747.5	239.6	969.3	3069.2	3141.8	2200.6
80°	119.3	316.8	1675.7	2550.9	2324.9	531.9	135.9	298.1	2293.6	2288.5	1562.1
81°	105.8	126.7	793.5	1616.7	1358.7	328.5	119.9	148.8	1608.6	1609.0	923.5
82°	93.6	109.1	571.4	724.3	583.0	125.0	104.0	123.0	923.7	929.4	288.1
83°	81.6	93.4	352.7	531.3	420.5	101.5	88.1	106.0	244.1	250.5	155.8
84°	69.4	78.5	133.9	343.6	267.6	85.7	75.5	89.1	144.1	159.9	118.7
85°	56.6	64.0	101.1	155.9	114.8	70.4	62.6	73.6	113.1	133.3	82.1
86°	41.9	50.2	77.3	123.6	84.5	55.7	49.7	58.7	82.1	106.3	58.1
87°	28.5	37.3	58.6	92.1	64.8	42.6	36.2	45.4	62.2	79.2	40.7
88°	15.1	24.4	40.4	57.2	46.4	29.7	23.2	32.7	44.5	49.6	25.2
89°	6.2	11.5	21.6	30.1	25.3	16.7	16.3	22.7	30.6	34.1	17.8

REPORT NUMBER: P1445066

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: P1445066

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: P1445066
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: P1445066

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9	2836.9
1°	2838.0	2839.2	2839.8	2840.3	2840.6	2841.1	2841.2	2838.4	2838.3	2838.0	2837.1
2°	2840.6	2842.9	2844.0	2845.2	2845.1	2845.9	2845.5	2843.3	2842.3	2840.9	2839.1
3°	2845.7	2848.1	2850.0	2850.9	2851.4	2851.6	2851.3	2849.0	2846.9	2845.0	2842.3
4°	2851.8	2854.4	2856.6	2858.0	2858.9	2859.3	2858.1	2854.7	2852.7	2850.4	2846.8
5°	2858.5	2861.7	2864.3	2866.5	2867.4	2867.3	2865.7	2862.0	2858.7	2856.1	2852.1
6°	2866.5	2870.4	2873.1	2875.5	2876.8	2876.6	2875.0	2870.7	2867.2	2862.9	2857.7
7°	2876.7	2880.7	2883.5	2886.4	2887.6	2887.4	2885.3	2881.2	2876.4	2871.7	2865.0
8°	2888.7	2892.3	2895.6	2899.3	2899.8	2899.7	2897.6	2892.4	2887.5	2882.4	2873.9
9°	2902.8	2905.9	2909.6	2913.2	2914.2	2912.8	2909.9	2904.8	2900.1	2894.7	2884.6
10°	2917.2	2920.7	2924.3	2928.9	2929.8	2927.9	2925.1	2920.3	2914.5	2907.4	2896.9
11°	2934.7	2938.7	2942.1	2946.2	2947.9	2946.3	2942.8	2938.5	2932.2	2922.8	2911.2
12°	2954.0	2958.1	2961.7	2965.4	2968.3	2967.1	2963.3	2959.7	2952.4	2941.4	2926.5
13°	2975.1	2979.5	2982.6	2986.8	2990.2	2989.5	2985.5	2981.8	2974.0	2962.2	2944.3
14°	2997.0	3001.5	3005.1	3009.9	3014.2	3014.4	3009.0	3004.7	2996.5	2983.7	2964.0
15°	3020.5	3025.7	3028.6	3035.2	3040.1	3039.6	3034.3	3030.0	3020.8	3006.2	2986.3
16°	3046.2	3051.0	3054.9	3061.8	3069.2	3067.6	3061.4	3058.3	3047.2	3030.6	3009.8
17°	3072.4	3077.4	3081.6	3090.0	3098.3	3095.7	3090.0	3087.1	3075.9	3057.4	3034.3
18°	3099.0	3103.6	3108.5	3118.8	3128.3	3125.3	3120.3	3117.5	3104.6	3084.7	3059.7
19°	3126.9	3130.7	3136.1	3148.3	3158.8	3155.5	3150.9	3148.3	3134.4	3114.0	3086.2
20°	3155.0	3157.6	3165.1	3177.8	3190.5	3187.4	3183.2	3180.1	3165.6	3143.1	3113.6
21°	3183.2	3185.4	3195.4	3209.3	3224.5	3220.1	3216.8	3213.3	3199.2	3173.0	3142.5
22°	3211.5	3213.7	3225.1	3240.0	3257.4	3254.0	3251.5	3244.8	3231.8	3203.2	3171.8
23°	3240.7	3242.3	3255.7	3272.9	3290.8	3287.5	3286.0	3276.2	3264.9	3236.1	3202.7
24°	3270.7	3272.8	3287.4	3304.5	3323.7	3322.9	3320.0	3306.9	3297.4	3269.2	3233.4
25°	3301.7	3304.5	3320.2	3337.9	3356.5	3358.3	3353.3	3338.5	3330.5	3301.2	3264.3
26°	3333.3	3337.9	3354.1	3372.2	3389.6	3394.3	3388.8	3370.6	3363.6	3332.7	3294.2
27°	3366.0	3371.9	3389.0	3405.6	3421.8	3429.8	3423.5	3403.4	3397.7	3365.1	3324.9
28°	3400.2	3408.4	3424.4	3439.0	3456.3	3466.4	3459.4	3439.3	3432.0	3397.6	3358.0
29°	3435.2	3446.1	3461.3	3472.4	3490.8	3502.6	3496.0	3478.1	3467.0	3430.6	3390.8
30°	3470.6	3484.5	3497.8	3506.6	3526.1	3538.2	3533.5	3517.3	3503.0	3463.0	3424.2
31°	3505.8	3524.7	3534.3	3542.1	3562.2	3572.9	3570.8	3556.7	3538.2	3496.9	3458.1
32°	3541.5	3565.9	3571.4	3577.5	3597.7	3608.1	3605.7	3592.3	3571.8	3530.0	3494.1
33°	3577.0	3608.4	3608.0	3612.6	3633.0	3641.4	3640.7	3628.3	3604.0	3564.3	3529.8
34°	3614.1	3650.1	3643.7	3648.9	3668.0	3673.8	3673.5	3664.4	3636.4	3597.4	3565.3
35°	3650.3	3693.9	3679.7	3685.3	3702.8	3705.8	3706.2	3701.1	3666.1	3630.7	3600.3
36°	3687.6	3738.2	3716.3	3721.5	3736.9	3738.7	3736.5	3737.9	3694.1	3662.8	3634.6
37°	3724.2	3781.8	3751.8	3758.7	3771.1	3772.5	3767.0	3778.3	3724.9	3695.9	3669.6
38°	3759.1	3826.1	3785.6	3795.1	3807.5	3806.5	3799.1	3821.2	3757.2	3728.4	3705.6
39°	3794.0	3872.4	3820.9	3831.0	3846.9	3842.2	3831.6	3866.1	3790.2	3764.4	3740.8
40°	3832.2	3920.0	3859.1	3869.3	3886.9	3878.4	3867.4	3912.5	3825.9	3801.6	3776.2
41°	3872.5	3966.2	3901.5	3908.7	3927.6	3917.1	3903.8	3961.8	3866.1	3840.9	3814.7
42°	3913.7	4012.0	3944.8	3950.1	3971.0	3957.0	3945.4	4011.1	3909.8	3880.3	3856.8
43°	3955.3	4057.0	3989.5	3993.9	4015.6	3998.0	3992.8	4058.6	3957.7	3922.4	3899.9
44°	4001.0	4100.4	4035.9	4038.7	4061.2	4041.4	4041.0	4101.0	4005.9	3965.7	3945.4

REPORT NUMBER: P1445066

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4048.4	4143.4	4084.3	4085.2	4108.6	4087.7	4090.6	4139.9	4054.0	4013.7	3993.0
46°	4100.4	4187.4	4135.9	4134.3	4154.5	4136.7	4137.7	4179.2	4102.3	4064.2	4042.7
47°	4154.5	4230.4	4191.7	4185.3	4203.6	4188.5	4188.4	4217.1	4152.3	4116.9	4093.4
48°	4213.1	4268.8	4247.7	4236.6	4252.5	4242.0	4240.9	4251.5	4203.7	4168.9	4145.7
49°	4271.8	4308.2	4305.8	4288.6	4304.3	4295.8	4294.1	4282.8	4256.8	4220.7	4199.5
50°	4329.9	4348.7	4364.2	4344.4	4358.2	4350.7	4348.1	4313.7	4310.1	4272.8	4256.0
51°	4388.4	4391.3	4422.4	4399.8	4413.1	4402.8	4399.6	4344.6	4363.3	4326.8	4315.1
52°	4447.7	4432.4	4481.5	4459.8	4471.9	4456.3	4450.7	4376.2	4411.6	4381.8	4375.5
53°	4507.5	4471.7	4540.6	4519.3	4531.3	4510.3	4497.6	4406.6	4458.4	4436.5	4438.6
54°	4564.7	4510.0	4595.8	4581.2	4593.1	4565.6	4541.3	4437.5	4504.1	4492.5	4504.8
55°	4617.3	4548.5	4646.2	4643.4	4656.7	4618.7	4580.7	4466.3	4545.7	4544.3	4572.7
56°	4660.8	4584.4	4689.6	4705.2	4722.1	4671.8	4616.4	4493.8	4583.0	4599.0	4643.0
57°	4697.4	4619.6	4729.5	4768.8	4791.7	4723.0	4650.3	4519.6	4614.6	4653.9	4714.4
58°	4730.4	4653.0	4764.2	4824.7	4860.4	4773.4	4679.6	4543.7	4643.0	4704.3	4785.3
59°	4761.0	4684.6	4795.8	4875.0	4929.9	4822.8	4705.2	4560.7	4667.7	4755.1	4856.7
60°	4789.0	4712.5	4821.9	4926.7	5002.7	4869.1	4724.9	4573.0	4687.3	4809.6	4930.8
61°	4810.9	4737.7	4842.1	4982.1	5071.8	4914.4	4740.0	4586.2	4701.5	4861.7	5006.8
62°	4826.9	4763.3	4859.4	5035.7	5140.0	4962.0	4749.1	4595.3	4713.9	4911.6	5083.3
63°	4845.3	4787.1	4877.8	5083.3	5204.1	5010.0	4756.0	4596.7	4723.0	4962.0	5159.7
64°	4862.2	4810.9	4898.8	5124.0	5267.3	5054.0	4758.3	4592.1	4727.2	5009.1	5233.8
65°	4877.8	4815.5	4912.5	5161.5	5324.5	5096.1	4753.3	4574.7	4722.1	5051.7	5302.0
66°	4883.7	4783.5	4908.0	5201.3	5375.7	5133.6	4736.8	4534.8	4707.0	5089.2	5366.1
67°	4869.1	4744.6	4886.4	5231.6	5419.2	5156.0	4697.9	4467.6	4666.3	5120.8	5427.5
68°	4842.1	4680.0	4855.8	5253.1	5448.5	5158.3	4641.6	4341.1	4599.5	5139.1	5483.8
69°	4782.6	4529.1	4787.1	5250.3	5465.0	5140.9	4547.8	4111.4	4485.3	5131.8	5524.9
70°	4663.5	4270.7	4650.3	5224.2	5465.4	5102.9	4390.2	3781.8	4291.3	5097.0	5551.5
71°	4456.9	3884.4	4419.4	5167.5	5443.5	5035.2	4144.3	3424.1	4015.8	5035.2	5557.0
72°	4125.0	3409.0	4061.5	5067.7	5386.7	4942.7	3826.9	3137.3	3694.6	4942.7	5534.1
73°	3675.7	2910.0	3619.9	4924.9	5270.9	4804.1	3506.9	2896.9	3394.4	4789.0	5466.4
74°	3167.7	2409.2	3122.0	4698.3	5087.8	4621.0	3211.0	2591.0	3098.3	4594.0	5337.3
75°	2629.6	1781.5	2557.4	4349.7	4859.0	4391.3	2870.9	2034.8	2742.8	4354.7	5139.1
76°	2020.0	1126.8	1932.2	3909.5	4544.0	4095.1	2364.5	1287.8	2198.4	4053.8	4845.3
77°	1437.5	473.0	1378.4	3380.8	4080.4	3691.3	1667.7	582.5	1482.0	3664.3	4390.3
78°	854.9	196.0	824.6	2719.6	3436.3	3140.0	970.9	425.0	735.5	3136.1	3707.7
79°	282.2	125.5	272.0	1891.7	2658.1	2413.4	277.3	272.3	520.5	2394.4	2855.2
80°	147.5	107.0	147.2	1211.9	1888.9	1702.3	149.1	119.5	323.7	1466.7	1934.3
81°	123.4	88.6	122.7	532.3	1119.7	991.3	126.2	103.3	127.0	652.9	1000.9
82°	99.4	75.4	98.1	218.3	367.1	291.8	110.3	90.5	105.1	466.4	344.9
83°	75.4	63.3	73.8	170.2	185.3	160.4	94.3	77.6	90.0	293.5	253.0
84°	61.1	52.4	59.5	122.1	150.4	130.9	78.3	64.5	74.7	120.7	162.2
85°	47.0	40.1	45.1	74.6	122.3	101.3	63.7	50.9	59.9	90.1	135.7
86°	33.9	27.1	32.0	53.4	94.2	71.8	49.9	38.1	46.2	69.3	107.2
87°	24.0	18.8	22.7	35.8	66.3	53.2	37.1	25.3	33.2	51.4	73.5
88°	14.1	10.5	13.3	24.9	45.3	36.4	25.6	12.6	20.1	41.4	37.2
89°	4.3	2.3	4.1	14.0	24.2	25.2	14.1	4.0	7.0	31.5	28.3

REPORT NUMBER: P1445066

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: P1445066

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: P1445066
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: P1445066

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2836.9	2836.9	2836.9
1°	2836.5	2835.6	2836.4
2°	2837.5	2836.2	2836.2
3°	2839.6	2838.0	2837.9
4°	2843.0	2840.9	2839.8
5°	2847.7	2844.3	2842.5
6°	2853.0	2848.8	2847.1
7°	2859.6	2854.7	2852.5
8°	2867.1	2861.3	2858.9
9°	2876.1	2869.9	2867.1
10°	2886.5	2880.2	2876.9
11°	2899.6	2891.7	2889.1
12°	2914.1	2905.7	2902.4
13°	2929.3	2920.3	2917.4
14°	2946.1	2937.1	2934.2
15°	2965.6	2956.2	2953.4
16°	2987.4	2976.8	2973.2
17°	3010.5	2998.4	2994.2
18°	3034.4	3020.4	3015.4
19°	3060.0	3043.8	3037.5
20°	3086.3	3067.9	3060.9
21°	3113.8	3093.2	3084.3
22°	3141.6	3119.2	3108.2
23°	3170.2	3147.4	3133.5
24°	3199.1	3176.6	3159.7
25°	3229.0	3207.4	3188.0
26°	3259.3	3238.9	3216.6
27°	3290.4	3270.9	3247.7
28°	3322.5	3303.3	3280.2
29°	3354.7	3336.3	3313.9
30°	3387.4	3370.1	3350.3
31°	3420.8	3404.6	3388.1
32°	3455.1	3437.4	3426.2
33°	3490.2	3472.2	3467.2
34°	3525.1	3507.8	3510.1
35°	3561.3	3543.3	3553.4
36°	3597.9	3577.3	3596.8
37°	3632.3	3610.3	3641.8
38°	3668.4	3642.4	3687.5
39°	3704.2	3674.8	3733.4
40°	3739.8	3709.6	3780.8
41°	3776.4	3749.1	3829.9
42°	3815.8	3791.6	3877.5
43°	3857.4	3836.8	3921.6
44°	3903.1	3884.4	3962.8

REPORT NUMBER: P1445066

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3950.7	3933.6	4003.4
46°	4002.9	3984.3	4041.8
47°	4056.1	4039.5	4077.7
48°	4109.5	4095.7	4113.4
49°	4166.0	4155.4	4151.1
50°	4222.6	4217.7	4190.8
51°	4283.5	4281.3	4232.8
52°	4345.9	4348.0	4274.6
53°	4408.9	4412.2	4322.2
54°	4476.7	4478.7	4372.9
55°	4544.4	4543.0	4424.3
56°	4613.7	4606.3	4475.7
57°	4683.7	4667.2	4526.1
58°	4755.5	4721.7	4573.3
59°	4828.8	4770.7	4622.8
60°	4904.3	4817.8	4669.5
61°	4978.0	4865.4	4709.3
62°	5051.7	4911.6	4743.2
63°	5126.3	4948.7	4778.0
64°	5199.1	4977.1	4821.5
65°	5272.3	5011.9	4869.1
66°	5342.8	5059.5	4897.9
67°	5405.0	5091.0	4902.9
68°	5449.0	5094.7	4899.7
69°	5492.9	5069.1	4846.2
70°	5518.5	5007.3	4656.7
71°	5503.9	4854.9	4279.7
72°	5429.7	4552.2	3787.0
73°	5325.4	4125.8	3310.5
74°	5164.3	3649.5	2850.5
75°	4864.0	3116.8	2169.5
76°	4452.8	2441.6	1264.4
77°	3957.3	1573.9	497.5
78°	3322.7	740.3	363.0
79°	2428.9	524.9	241.1
80°	1345.6	328.8	119.3
81°	597.9	132.8	105.8
82°	430.7	109.2	93.6
83°	276.1	93.5	81.6
84°	121.5	78.2	69.4
85°	92.8	62.7	56.6
86°	72.1	48.3	41.9
87°	53.0	35.3	28.5
88°	42.6	22.3	15.1
89°	32.4	9.3	6.2

REPORT NUMBER: P1445066

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: P1445066

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: P1445066

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)