

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: P1436776

Luminaire Tested: XAS300-SFPM (3000K-120W-T5-HSS)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436776  
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-120W-T5-HSS)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: 36932 (1 lamp)  
Luminaire Lumens: 16091.2 lumens  
Efficiency: 43.6%  
Efficacy: 127.7 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Medium - Full Cutoff  
BUG Rating: B3 - U0 - G3

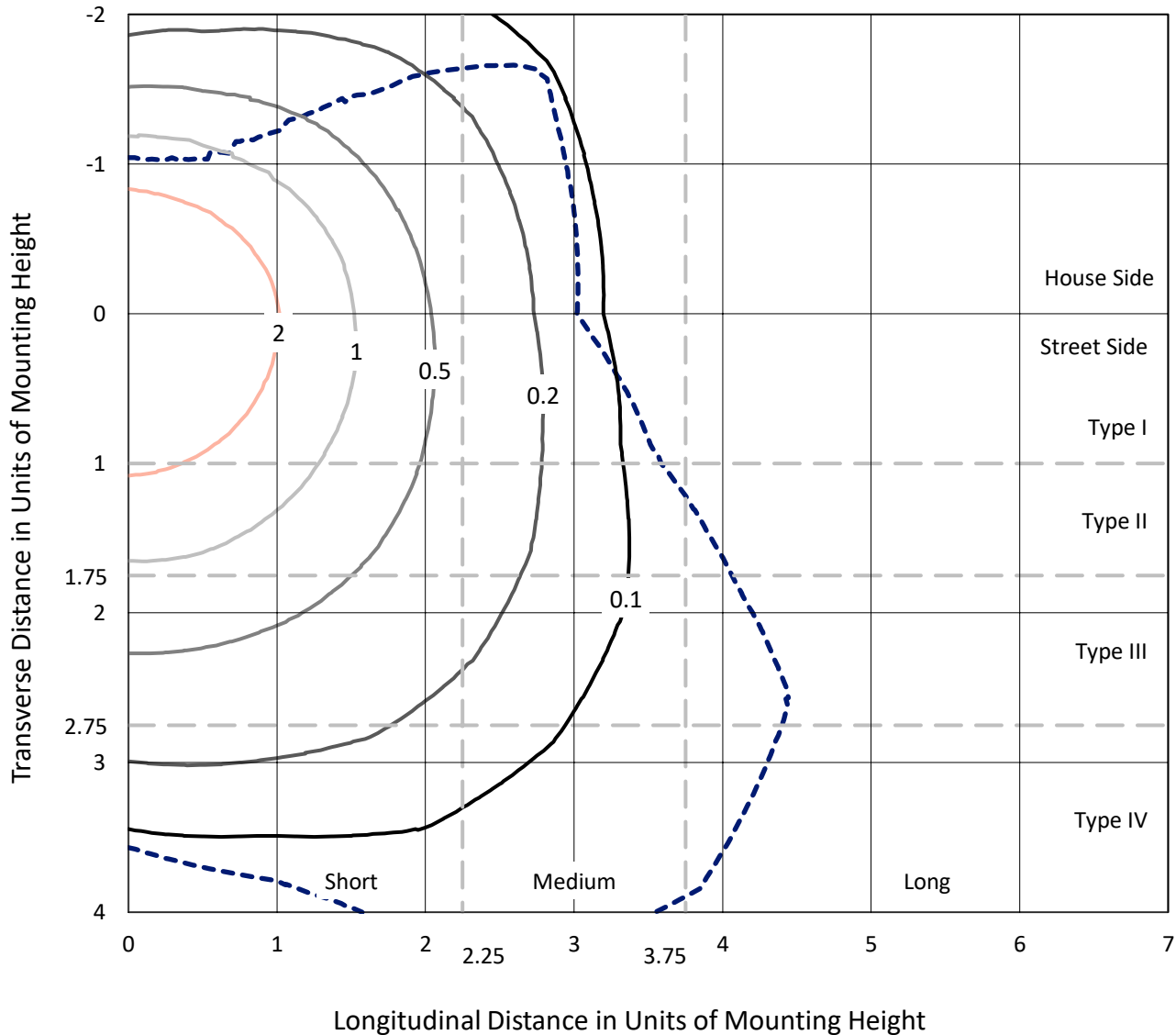
Input Watts (W): 126  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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### Iso-Footcandle Lines of Horizontal Illumination

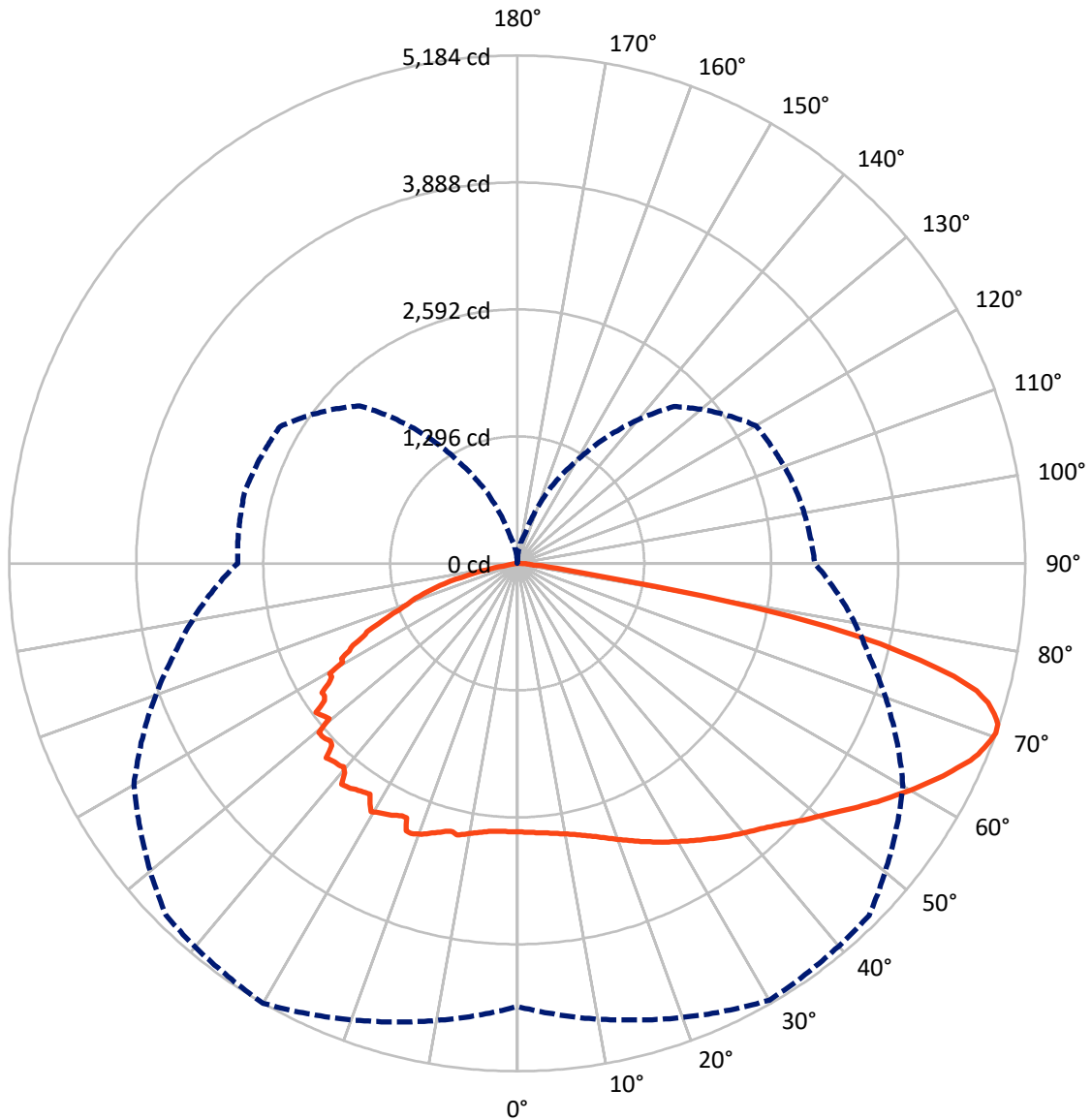
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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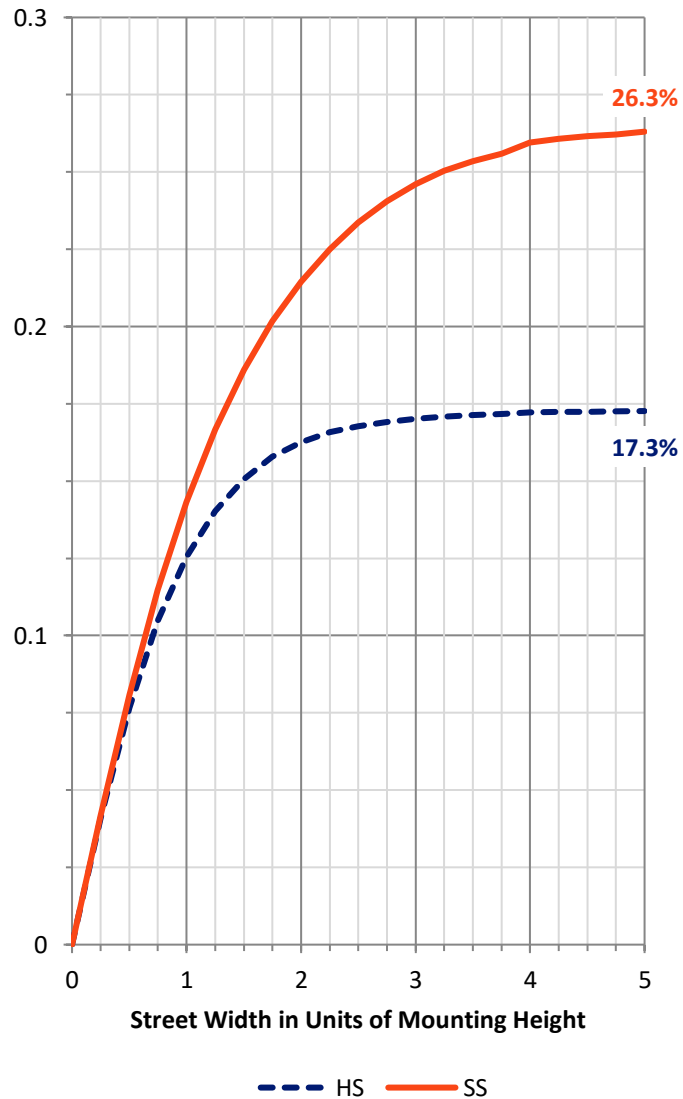
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6390.1	0.0	6390.1
	% Lamp	17.3	0.0	17.3
<b>Street Side</b>	Lumens	9701.1	0.0	9701.1
	% Lamp	26.3	0.0	26.3
<b>Total</b>	Lumens	16091.2	0.0	16091.2
	% Lamp	43.6	0.0	43.6

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	264.7	1.6	0.7
10°-20°	818.3	5.1	2.2
20°-30°	1414.7	8.8	3.8
30°-40°	2027.3	12.6	5.5
40°-50°	2620.9	16.3	7.1
50°-60°	3154.1	19.6	8.5
60°-70°	3376.3	21.0	9.1
70°-80°	2270.4	14.1	6.1
80°-90°	144.6	0.9	0.4
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°	16091.2	100.0	43.6
0°-180°	16091.2	100.0	43.6

**Coefficient of Utilization**



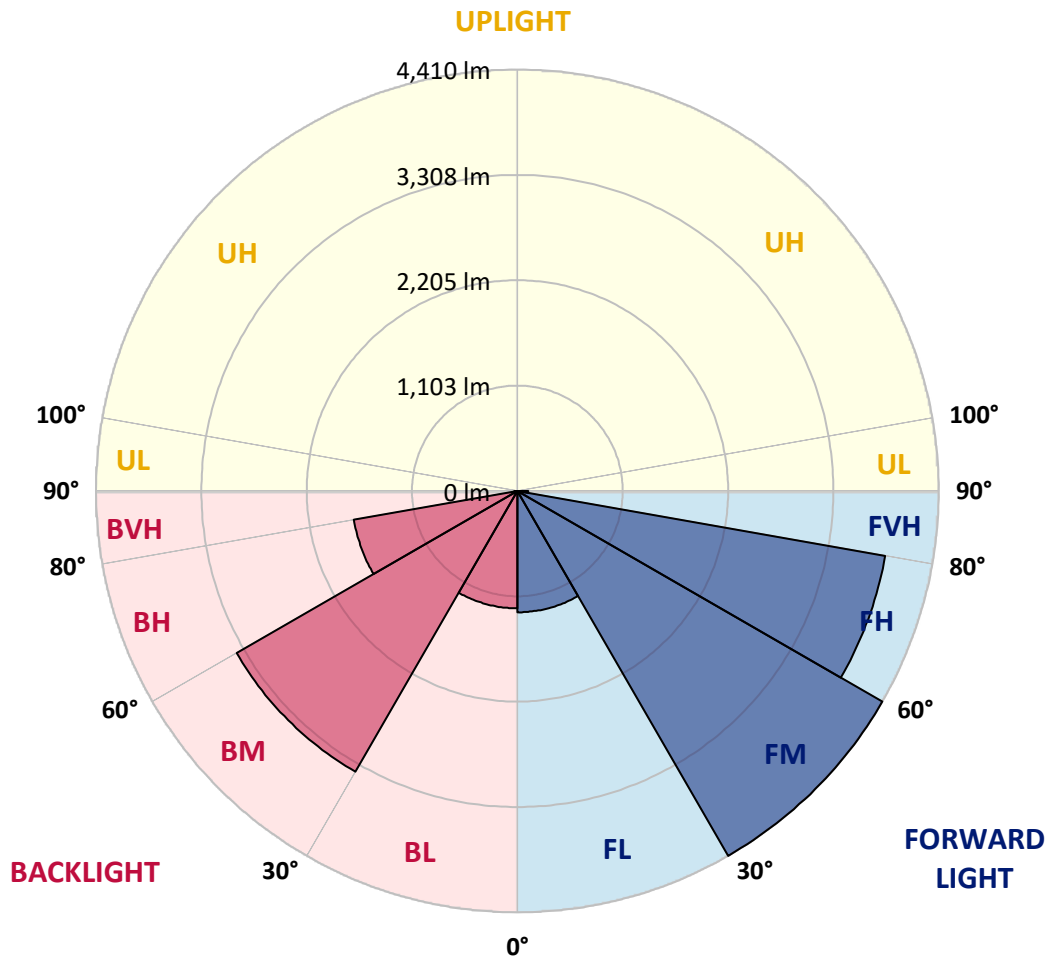
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.6	3.4			
FM (30°-60°)	4410.3	11.9			
FH (60°-80°)	3908.3	10.6			G2/5000
FVH (80°-90°)	113.0	0.3			G2/225
BL (0°-30°)	1228.1	3.3	B3/2500		
BM (30°-60°)	3392.0	9.2	B3/5000		
BH (60°-80°)	1738.4	4.7	B3/2500		G3/2500
BVH (80°-90°)	31.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	20840.8	56.4			

**BUG Rating: B3-U0-G3**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9
1°	2743.9	2744.2	2743.4	2744.1	2743.6	2742.8	2741.5	2740.6	2740.0	2740.1	2740.0
2°	2747.1	2746.9	2746.1	2746.2	2745.1	2743.9	2742.2	2740.9	2739.6	2739.4	2739.6
3°	2751.3	2750.7	2749.4	2749.3	2748.3	2747.3	2744.4	2742.5	2740.8	2739.9	2739.9
4°	2756.0	2754.9	2754.0	2754.4	2753.1	2752.7	2749.3	2746.0	2743.4	2742.0	2741.4
5°	2761.4	2760.3	2760.1	2760.7	2760.8	2760.7	2756.5	2752.3	2747.7	2745.2	2744.3
6°	2767.5	2766.6	2766.6	2768.8	2770.0	2768.8	2764.5	2760.1	2753.6	2749.3	2748.1
7°	2774.7	2773.8	2774.2	2778.0	2779.2	2777.6	2773.0	2768.2	2761.3	2755.8	2756.5
8°	2782.8	2782.2	2783.6	2788.0	2789.3	2788.2	2783.2	2777.5	2770.2	2765.8	2767.7
9°	2792.1	2791.7	2794.4	2798.8	2801.5	2799.8	2794.3	2786.9	2779.7	2778.7	2779.9
10°	2803.3	2802.7	2805.9	2811.2	2814.3	2811.9	2805.5	2797.0	2789.6	2793.5	2794.0
11°	2816.3	2815.2	2818.9	2825.3	2827.9	2825.3	2818.2	2808.7	2802.4	2808.6	2808.0
12°	2829.9	2828.6	2833.3	2840.1	2842.4	2840.0	2827.3	2817.3	2818.3	2825.0	2823.8
13°	2845.7	2843.5	2848.4	2856.7	2858.1	2849.6	2835.7	2825.0	2828.4	2841.7	2840.1
14°	2863.3	2860.2	2864.6	2873.5	2875.6	2861.5	2847.6	2834.2	2840.6	2859.2	2817.9
15°	2882.4	2879.0	2882.8	2891.2	2888.9	2875.4	2861.7	2847.6	2852.4	2871.7	2823.3
16°	2902.6	2899.0	2903.4	2910.9	2904.4	2891.2	2881.8	2866.1	2868.0	2879.0	2843.2
17°	2923.2	2918.9	2924.5	2931.1	2921.7	2912.1	2898.0	2880.9	2885.9	2863.8	2863.8
18°	2945.4	2940.7	2946.5	2954.7	2937.4	2932.3	2917.7	2898.7	2902.2	2870.6	2886.0
19°	2967.3	2963.1	2969.7	2976.6	2956.9	2952.0	2941.7	2923.4	2922.4	2890.2	2910.0
20°	2990.4	2985.9	2994.0	2995.8	2979.1	2972.9	2968.0	2948.9	2947.1	2906.9	2932.7
21°	3013.4	3009.8	3019.0	3017.5	3002.5	2999.6	2994.3	2971.2	2971.1	2925.8	2948.4
22°	3036.9	3034.5	3044.9	3040.9	3024.2	3027.6	3014.6	2984.8	2985.1	2950.6	2961.7
23°	3062.8	3061.2	3071.8	3064.6	3049.9	3055.8	3027.1	3000.7	2980.4	2974.9	2955.9
24°	3088.7	3089.0	3098.6	3088.0	3074.6	3078.0	3042.1	3028.2	2990.3	2992.9	2833.8
25°	3116.4	3117.7	3126.7	3113.8	3102.1	3096.0	3066.3	3044.8	3009.3	3010.8	2833.6
26°	3144.9	3146.9	3155.4	3138.7	3130.4	3113.9	3088.1	3065.0	3025.9	3032.7	2851.1
27°	3175.2	3178.5	3185.6	3167.9	3158.6	3133.9	3105.1	3092.2	3051.7	3044.5	2870.8
28°	3207.3	3211.4	3216.4	3194.9	3186.0	3161.7	3129.1	3118.9	3076.9	2989.1	2886.5
29°	3240.9	3243.8	3246.5	3220.9	3210.8	3190.4	3159.2	3140.0	3090.5	2923.3	2903.0
30°	3276.3	3276.7	3274.5	3247.1	3235.4	3211.6	3190.6	3154.8	3102.7	2933.4	2920.6
31°	3312.4	3309.5	3302.0	3277.8	3254.4	3236.3	3217.2	3175.8	3125.6	2936.6	2940.8
32°	3350.3	3343.1	3332.1	3306.0	3276.5	3261.8	3233.9	3200.1	3149.5	2949.5	2877.0
33°	3391.1	3376.9	3361.8	3333.9	3299.5	3290.7	3254.9	3224.4	3158.9	2970.0	2794.6
34°	3431.9	3410.4	3390.8	3364.9	3327.9	3319.3	3282.3	3237.9	3176.9	2992.4	2806.9
35°	3474.3	3445.3	3422.3	3397.1	3356.7	3346.5	3311.6	3258.5	3191.3	3010.7	2818.8
36°	3516.4	3478.2	3452.3	3428.3	3384.2	3367.4	3342.3	3280.8	3206.1	3020.2	2836.0
37°	3560.0	3510.4	3482.9	3459.4	3408.4	3383.0	3365.2	3297.7	3207.9	3023.8	2859.2
38°	3604.8	3541.8	3512.2	3491.7	3436.0	3404.1	3393.0	3317.6	3143.9	2940.9	2870.6
39°	3649.2	3573.6	3543.5	3520.4	3460.8	3429.5	3429.3	3332.3	3094.5	2905.9	2878.9
40°	3697.4	3607.2	3573.0	3548.8	3491.2	3458.8	3463.2	3353.1	3117.7	2930.8	2769.2
41°	3744.2	3644.1	3603.9	3579.8	3525.1	3490.9	3494.6	3362.7	3144.4	2952.9	2729.6
42°	3791.4	3684.9	3639.3	3608.0	3560.3	3524.4	3525.7	3371.1	3170.4	2949.5	2749.6
43°	3834.2	3728.6	3676.9	3640.7	3596.3	3549.0	3552.7	3395.9	3160.1	2958.3	2752.0
44°	3875.2	3774.5	3716.2	3674.9	3633.0	3580.8	3579.4	3415.7	3162.9	2979.8	2766.7



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CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3914.5	3821.3	3755.9	3709.8	3665.3	3615.0	3608.1	3449.5	3184.4	2994.6	2781.5
46°	3951.6	3869.5	3798.2	3750.1	3698.7	3655.7	3628.9	3452.5	3209.4	2906.4	2653.5
47°	3986.8	3919.7	3843.4	3793.7	3735.8	3692.8	3649.5	3442.2	3215.8	2857.6	2630.5
48°	4021.4	3973.7	3890.8	3839.8	3773.8	3728.6	3679.3	3461.5	3218.8	2873.4	2652.6
49°	4058.0	4030.4	3941.5	3886.6	3816.2	3768.1	3707.1	3489.7	3151.0	2902.1	2660.9
50°	4096.0	4089.9	3992.8	3929.8	3860.8	3806.7	3734.2	3507.4	3142.3	2915.0	2659.9
51°	4135.8	4149.9	4046.4	3976.2	3906.1	3841.9	3757.2	3518.4	3153.4	2920.7	2489.4
52°	4176.4	4212.4	4101.9	4027.4	3954.6	3878.4	3756.2	3537.3	3164.2	2816.0	2509.5
53°	4221.3	4275.9	4157.7	4080.2	4001.1	3913.1	3733.3	3547.8	3196.5	2803.5	2536.2
54°	4270.8	4338.7	4219.5	4135.7	4041.9	3944.4	3727.7	3547.4	3197.8	2816.5	2556.9
55°	4319.4	4400.2	4283.3	4194.8	4084.6	3969.0	3737.6	3547.3	3197.3	2824.4	2414.5
56°	4368.8	4459.9	4348.2	4258.3	4129.0	3997.1	3752.6	3540.3	3179.7	2787.0	2384.5
57°	4416.3	4517.4	4414.1	4320.7	4175.8	4029.4	3760.7	3536.3	3110.5	2694.1	2391.0
58°	4462.5	4570.5	4480.8	4386.7	4221.8	4059.4	3758.9	3498.6	3120.2	2727.7	2283.1
59°	4507.8	4618.9	4547.9	4451.2	4266.3	4083.9	3754.9	3499.8	3115.8	2762.7	2219.0
60°	4552.2	4664.7	4613.7	4517.4	4307.8	4105.0	3753.4	3471.3	3103.0	2750.4	2220.8
61°	4589.7	4703.9	4680.8	4580.1	4350.2	4116.5	3742.2	3441.8	3075.3	2657.3	2048.6
62°	4622.4	4738.3	4746.6	4640.3	4393.2	4108.6	3714.8	3405.9	3037.9	2645.7	2040.5
63°	4653.8	4769.2	4811.5	4702.1	4432.0	4074.5	3682.5	3366.6	3026.0	2605.5	1933.8
64°	4694.7	4798.8	4878.1	4767.5	4461.6	4043.2	3641.3	3329.0	2992.1	2551.2	1874.7
65°	4737.4	4835.4	4940.0	4834.6	4494.3	4018.3	3601.3	3283.9	2922.6	2527.9	1738.9
66°	4763.1	4874.2	4994.9	4894.3	4525.7	4004.6	3547.3	3246.1	2933.2	2455.5	1687.1
67°	4766.6	4902.5	5042.0	4951.3	4544.8	3983.0	3482.6	3187.2	2951.3	2417.2	1542.9
68°	4761.8	4906.9	5088.6	5005.8	4558.8	3940.0	3378.8	3125.7	2965.7	2365.4	1433.8
69°	4706.0	4886.9	5128.2	5050.2	4558.3	3866.4	3256.5	3050.5	2888.3	2316.2	1295.0
70°	4522.2	4825.4	5147.0	5079.9	4545.3	3727.4	3037.3	2941.1	2812.2	2262.9	1201.5
71°	4162.0	4666.8	5131.3	5087.3	4514.3	3538.7	2752.3	2782.3	2751.1	2191.3	1142.5
72°	3696.9	4373.2	5078.1	5067.7	4466.8	3296.7	2484.0	2587.7	2674.3	2109.4	1050.5
73°	3242.4	3970.0	4981.4	5025.0	4383.6	3032.9	2252.6	2366.9	2555.7	2021.1	958.2
74°	2796.8	3527.9	4833.3	4943.1	4252.8	2770.6	2047.1	2136.5	2433.4	1917.2	865.8
75°	2135.0	3033.9	4610.6	4793.2	4100.5	2507.5	1801.9	1906.6	2295.9	1791.1	772.7
76°	1273.4	2394.2	4266.1	4564.4	3877.2	2153.6	1327.7	1684.6	2129.0	1622.9	648.6
77°	552.1	1517.3	3811.7	4213.5	3584.1	1622.8	853.5	1277.0	1939.3	1403.7	527.7
78°	421.6	708.7	3252.2	3699.0	3180.2	969.9	386.2	869.5	1712.6	1130.3	387.4
79°	299.6	530.9	2488.9	3043.7	2582.0	415.3	142.4	462.0	1397.8	856.9	234.3
80°	177.6	355.0	1523.0	2227.8	1817.1	310.6	120.1	329.6	962.7	583.5	143.9
81°	161.6	179.1	731.5	1371.4	990.9	208.3	97.8	197.3	527.7	326.8	54.0
82°	147.8	159.5	533.4	607.5	417.5	106.0	75.7	69.1	371.4	191.6	32.1
83°	133.9	142.4	350.0	456.0	279.5	91.6	65.0	58.8	215.1	57.8	22.4
84°	119.8	125.8	166.6	312.5	142.4	78.3	55.0	49.4	60.1	46.6	17.3
85°	105.1	109.9	134.7	168.9	113.1	65.8	45.1	40.1	47.4	38.8	13.6
86°	89.0	94.4	111.4	141.1	90.9	53.8	35.3	31.5	36.5	31.6	11.3
87°	73.1	80.0	92.2	110.9	73.3	42.9	25.6	24.0	28.0	23.8	9.1
88°	59.4	66.0	73.8	77.5	56.9	33.0	18.3	18.6	20.8	17.0	6.9
89°	48.8	51.5	52.8	45.7	43.8	23.0	11.0	13.2	14.8	10.1	4.8



REPORT NUMBER: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9	2741.9
1°	2739.9	2740.6	2741.2	2741.8	2742.8	2743.2	2744.3	2743.8	2743.8	2744.2	2744.9
2°	2739.1	2740.4	2741.3	2742.7	2744.3	2745.7	2746.6	2747.6	2747.5	2748.0	2748.2
3°	2740.0	2741.1	2742.9	2744.5	2746.8	2748.8	2750.5	2752.4	2752.7	2753.1	2752.5
4°	2741.4	2743.1	2744.9	2747.1	2750.3	2753.7	2756.6	2758.8	2759.5	2759.8	2758.4
5°	2743.4	2745.0	2747.3	2750.9	2754.9	2759.7	2763.5	2766.2	2767.0	2767.1	2765.8
6°	2749.4	2751.8	2754.0	2755.3	2761.4	2767.0	2771.2	2775.0	2775.4	2775.3	2773.0
7°	2759.1	2761.8	2763.8	2765.2	2768.3	2775.2	2780.3	2784.9	2785.5	2784.7	2781.9
8°	2769.6	2771.7	2773.7	2776.7	2778.9	2784.8	2790.5	2795.3	2796.9	2796.5	2792.3
9°	2781.0	2782.7	2785.5	2789.9	2792.0	2794.9	2800.8	2806.3	2808.7	2808.6	2803.5
10°	2792.3	2794.1	2797.3	2803.8	2806.8	2806.2	2813.3	2819.7	2821.5	2821.3	2815.9
11°	2806.7	2808.4	2810.9	2818.2	2823.2	2820.9	2827.7	2835.7	2837.6	2836.2	2830.6
12°	2810.0	2792.4	2817.0	2834.5	2841.4	2839.4	2836.8	2846.4	2855.0	2853.6	2846.8
13°	2783.8	2785.5	2788.8	2851.4	2859.8	2851.2	2849.4	2859.5	2868.2	2873.9	2864.5
14°	2800.2	2803.4	2806.9	2833.6	2879.7	2866.1	2862.1	2873.1	2882.6	2891.6	2883.7
15°	2820.3	2821.9	2825.7	2836.0	2894.1	2881.4	2878.5	2890.7	2898.7	2908.0	2904.9
16°	2840.7	2842.8	2846.2	2857.5	2909.9	2901.4	2895.0	2910.6	2918.1	2925.8	2927.9
17°	2862.4	2864.4	2869.0	2880.6	2899.2	2918.1	2913.3	2931.2	2941.5	2944.0	2951.3
18°	2884.5	2882.9	2890.7	2904.4	2903.6	2938.3	2936.5	2954.1	2962.1	2966.1	2973.4
19°	2904.3	2901.9	2911.6	2929.2	2921.9	2964.1	2962.3	2981.3	2985.6	2990.1	2992.8
20°	2923.4	2911.7	2931.5	2953.5	2941.5	2990.7	2986.4	3008.5	3012.5	3016.1	3015.8
21°	2880.4	2778.5	2891.2	2968.4	2966.6	3012.8	3008.8	3032.1	3042.0	3037.9	3040.7
22°	2786.2	2781.4	2799.2	2984.0	2993.6	3029.2	3024.4	3052.0	3071.3	3064.5	3064.0
23°	2803.3	2799.5	2818.2	2985.4	3015.6	3029.1	3047.8	3066.6	3097.8	3090.1	3090.3
24°	2821.6	2819.4	2838.1	2867.2	3037.5	3042.9	3077.3	3090.6	3122.9	3119.9	3116.5
25°	2843.2	2842.8	2861.0	2870.0	3057.2	3059.5	3095.8	3118.2	3141.8	3150.4	3143.2
26°	2867.8	2866.3	2887.2	2891.6	3081.9	3079.9	3118.7	3136.9	3162.0	3180.0	3170.8
27°	2890.1	2889.6	2911.3	2911.3	3092.1	3107.5	3149.1	3158.7	3191.8	3207.8	3196.1
28°	2914.1	2890.4	2934.2	2928.6	3041.7	3132.4	3176.6	3189.4	3223.7	3233.8	3222.7
29°	2884.6	2743.8	2899.0	2945.4	2977.1	3144.6	3194.8	3222.3	3249.4	3259.9	3252.4
30°	2758.5	2763.2	2780.5	2967.5	2985.0	3160.9	3215.0	3251.9	3274.9	3282.4	3280.8
31°	2776.4	2785.8	2800.8	2987.9	2991.2	3184.8	3240.1	3274.1	3302.1	3304.6	3309.4
32°	2795.2	2812.6	2820.9	2916.2	3008.9	3209.4	3267.4	3295.7	3332.3	3328.3	3343.1
33°	2816.7	2839.9	2844.1	2839.5	3032.6	3219.3	3292.9	3320.0	3360.1	3359.3	3376.6
34°	2839.3	2865.3	2865.6	2852.7	3056.7	3237.9	3306.8	3348.3	3386.1	3389.0	3410.2
35°	2859.2	2888.5	2885.6	2864.9	3072.0	3251.5	3328.3	3379.4	3405.4	3418.4	3443.6
36°	2875.5	2725.7	2900.4	2885.0	3079.6	3264.5	3345.5	3405.2	3420.0	3440.8	3474.6
37°	2705.0	2712.7	2724.2	2906.4	3079.7	3265.0	3363.0	3430.0	3441.1	3467.7	3504.8
38°	2684.5	2738.1	2711.9	2914.3	2995.9	3202.8	3381.3	3463.1	3464.3	3492.6	3535.8
39°	2702.5	2766.6	2729.8	2927.3	2966.1	3160.3	3394.6	3497.2	3491.4	3524.1	3566.1
40°	2724.5	2795.1	2749.6	2816.8	2992.4	3186.1	3416.2	3529.3	3522.1	3557.6	3594.3
41°	2737.1	2802.1	2762.4	2783.3	3008.8	3213.4	3422.4	3566.6	3555.6	3591.5	3622.9
42°	2730.3	2599.2	2763.5	2799.1	3004.1	3231.1	3433.4	3600.8	3586.6	3624.7	3655.3
43°	2554.8	2614.2	2585.0	2800.7	3019.0	3214.8	3460.8	3629.5	3620.7	3658.4	3688.1
44°	2572.6	2632.4	2604.8	2815.3	3040.3	3224.3	3485.8	3659.1	3658.3	3688.2	3726.3

REPORT NUMBER: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2598.0	2647.4	2629.0	2828.6	3058.2	3250.6	3518.3	3684.7	3698.2	3722.4	3770.0
46°	2612.3	2594.0	2640.0	2688.6	2965.4	3272.2	3508.2	3704.4	3734.0	3763.2	3816.1
47°	2572.5	2410.8	2601.7	2683.6	2923.8	3285.6	3505.9	3731.3	3770.4	3804.7	3862.0
48°	2411.7	2421.7	2446.1	2702.3	2943.4	3281.7	3531.6	3759.6	3812.1	3848.7	3905.8
49°	2436.2	2434.7	2470.0	2711.0	2973.1	3214.4	3565.6	3784.8	3853.4	3892.6	3949.8
50°	2461.2	2444.0	2495.3	2707.1	2979.6	3220.2	3583.1	3807.3	3888.9	3936.6	3996.1
51°	2484.6	2203.1	2514.2	2544.0	2987.0	3231.7	3594.1	3818.0	3925.9	3983.5	4047.0
52°	2274.8	2209.3	2299.4	2568.2	2870.2	3247.5	3619.3	3796.9	3962.5	4029.0	4096.6
53°	2266.8	2218.1	2299.6	2595.1	2874.6	3277.0	3624.0	3784.5	3996.5	4069.7	4152.5
54°	2272.6	2042.5	2300.7	2620.1	2890.5	3276.7	3625.8	3791.5	4021.3	4111.8	4211.2
55°	2113.4	1950.5	2140.0	2451.8	2897.4	3274.8	3623.1	3805.9	4046.7	4151.0	4271.1
56°	2032.3	1950.9	2065.2	2438.7	2839.7	3252.6	3611.1	3818.0	4074.6	4194.1	4333.0
57°	2033.7	1745.0	2069.5	2448.7	2779.5	3194.3	3601.2	3815.3	4099.3	4237.5	4393.6
58°	1836.3	1687.9	1859.7	2324.0	2811.8	3200.9	3560.4	3807.2	4119.4	4274.8	4454.2
59°	1789.8	1676.2	1822.3	2277.8	2844.5	3192.7	3560.9	3802.0	4136.6	4312.2	4512.2
60°	1739.4	1404.2	1756.5	2278.3	2808.1	3174.8	3517.2	3794.0	4145.3	4354.5	4568.8
61°	1540.0	1393.6	1571.1	2103.1	2727.2	3137.5	3486.9	3769.6	4135.4	4394.5	4628.5
62°	1497.1	1120.8	1511.6	2099.3	2714.6	3103.0	3443.0	3744.8	4101.2	4427.2	4693.0
63°	1277.5	969.5	1304.8	1964.2	2663.0	3087.5	3396.4	3695.8	4071.4	4456.8	4757.5
64°	1139.1	818.2	1151.3	1924.2	2614.2	3042.9	3354.8	3659.0	4047.6	4488.6	4816.7
65°	991.0	667.2	995.9	1774.4	2583.1	2981.4	3304.3	3603.0	4029.8	4519.1	4873.4
66°	842.8	529.9	840.6	1724.4	2509.4	2994.2	3251.2	3534.7	4010.3	4541.8	4926.5
67°	693.7	352.3	684.5	1583.9	2468.9	3004.4	3174.2	3439.8	3970.6	4556.6	4977.5
68°	516.0	174.8	494.4	1448.4	2400.9	2995.9	3100.3	3333.4	3903.3	4562.3	5024.1
69°	361.5	0.3	339.5	1294.0	2337.3	2886.2	3009.1	3137.1	3793.0	4548.8	5059.0
70°	323.7	0.2	290.5	1198.5	2272.7	2793.9	2874.4	2853.7	3629.7	4517.4	5074.6
71°	282.8	0.2	247.3	1133.7	2193.0	2711.6	2682.6	2559.5	3385.6	4470.3	5072.5
72°	238.1	0.2	199.8	1027.8	2100.1	2614.6	2463.3	2310.1	3101.2	4399.7	5051.6
73°	192.4	0.3	151.3	911.1	1991.0	2481.9	2235.4	2115.8	2822.0	4276.0	4992.3
74°	151.9	0.3	108.3	794.6	1856.1	2348.8	2014.7	1871.8	2550.5	4108.6	4881.2
75°	110.3	0.3	65.7	677.7	1712.5	2197.9	1763.3	1466.3	2248.8	3890.4	4715.2
76°	68.6	0.4	37.4	544.9	1516.7	1998.9	1459.3	935.8	1809.7	3611.6	4470.8
77°	33.0	0.5	17.2	419.9	1253.6	1766.8	1180.5	432.5	1224.6	3271.7	4095.9
78°	24.4	0.6	13.7	282.7	969.6	1478.5	901.7	313.4	600.2	2810.2	3509.6
79°	15.8	0.7	10.2	201.4	685.5	1080.5	622.9	204.2	431.9	2189.8	2751.5
80°	7.3	0.8	6.7	120.1	404.8	682.6	344.1	95.0	274.0	1403.7	1933.1
81°	6.4	0.9	5.9	39.1	287.0	290.4	75.1	81.3	116.2	668.7	1080.5
82°	5.7	1.1	5.3	26.4	169.3	180.0	64.5	70.8	101.2	485.9	420.8
83°	5.1	1.2	4.9	21.1	53.5	70.3	55.0	60.5	87.8	309.0	325.8
84°	4.6	1.3	4.5	16.5	45.6	55.4	46.0	50.6	74.9	132.1	244.6
85°	4.2	1.5	4.1	12.8	38.4	44.1	37.4	40.5	62.6	104.4	163.4
86°	3.8	1.7	3.7	10.6	31.1	34.3	29.3	30.3	50.9	84.4	134.8
87°	3.4	1.8	3.4	8.5	23.0	26.0	22.2	20.2	41.0	67.5	103.6
88°	3.2	2.0	3.1	6.4	16.4	18.4	15.7	11.7	30.4	51.1	69.4
89°	2.8	2.1	2.9	4.6	9.7	10.7	9.2	5.0	19.8	39.9	40.2



REPORT NUMBER: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	2741.9	2741.9	2741.9
1°	2744.3	2744.5	2743.9
2°	2747.6	2747.4	2747.1
3°	2752.2	2751.4	2751.3
4°	2757.6	2756.3	2756.0
5°	2763.7	2762.0	2761.4
6°	2770.6	2767.9	2767.5
7°	2778.4	2775.5	2774.7
8°	2787.8	2784.1	2782.8
9°	2798.2	2793.8	2792.1
10°	2809.9	2804.8	2803.3
11°	2823.3	2817.3	2816.3
12°	2838.1	2831.1	2829.9
13°	2854.3	2846.8	2845.7
14°	2871.6	2864.9	2863.3
15°	2891.5	2883.9	2882.4
16°	2912.9	2904.3	2902.6
17°	2936.1	2926.5	2923.2
18°	2959.8	2948.3	2945.4
19°	2984.6	2971.7	2967.3
20°	3010.2	2994.9	2990.4
21°	3036.9	3020.1	3013.4
22°	3064.2	3045.8	3036.9
23°	3092.8	3073.6	3062.8
24°	3120.5	3102.2	3088.7
25°	3148.7	3132.8	3116.4
26°	3178.4	3164.5	3144.9
27°	3208.6	3195.4	3175.2
28°	3236.5	3227.9	3207.3
29°	3263.6	3259.8	3240.9
30°	3293.1	3292.7	3276.3
31°	3322.9	3326.3	3312.4
32°	3352.6	3359.2	3350.3
33°	3384.6	3393.1	3391.1
34°	3415.5	3427.9	3431.9
35°	3446.8	3462.6	3474.3
36°	3479.2	3496.0	3516.4
37°	3511.9	3528.9	3560.0
38°	3543.6	3560.6	3604.8
39°	3575.0	3592.3	3649.2
40°	3607.6	3626.8	3697.4
41°	3641.3	3664.8	3744.2
42°	3676.2	3706.8	3791.4
43°	3712.7	3750.4	3834.2
44°	3753.5	3797.5	3875.2



REPORT NUMBER: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	3796.8	3844.2	3914.5
46°	3844.9	3893.3	3951.6
47°	3894.4	3946.3	3986.8
48°	3942.4	4001.6	4021.4
49°	3991.9	4058.3	4058.0
50°	4044.3	4118.7	4096.0
51°	4100.0	4178.9	4135.8
52°	4157.2	4242.3	4176.4
53°	4216.9	4304.8	4221.3
54°	4279.9	4367.9	4270.8
55°	4342.1	4428.9	4319.4
56°	4406.3	4488.6	4368.8
57°	4468.6	4546.1	4416.3
58°	4532.2	4598.0	4462.5
59°	4598.0	4644.2	4507.8
60°	4664.2	4688.2	4552.2
61°	4730.9	4733.5	4589.7
62°	4795.8	4774.9	4622.4
63°	4858.5	4806.3	4653.8
64°	4919.5	4829.3	4694.7
65°	4981.0	4861.2	4737.4
66°	5042.0	4901.2	4763.1
67°	5092.5	4928.7	4766.6
68°	5125.6	4930.9	4761.8
69°	5160.9	4905.6	4706.0
70°	5184.4	4845.9	4522.2
71°	5172.7	4701.7	4162.0
72°	5107.3	4418.0	3696.9
73°	5012.8	4015.7	3242.4
74°	4867.7	3559.8	2796.8
75°	4601.9	3059.4	2135.0
76°	4231.9	2428.8	1273.4
77°	3791.8	1612.1	552.1
78°	3229.9	797.4	421.6
79°	2441.9	358.8	299.6
80°	1424.4	265.9	177.6
81°	673.3	184.7	161.6
82°	492.9	162.6	147.8
83°	329.6	145.3	133.9
84°	166.3	128.1	119.8
85°	133.7	110.8	105.1
86°	111.8	94.9	89.0
87°	92.3	80.1	73.1
88°	73.4	65.8	59.4
89°	51.4	51.2	48.8



REPORT NUMBER: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-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: P1436776

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)