

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: P1436798

Luminaire Tested: XAS300-SFPM (4000K-120W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436798
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-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 17710.7 lumens
Efficiency: 38.9%
Efficacy: 147.1 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

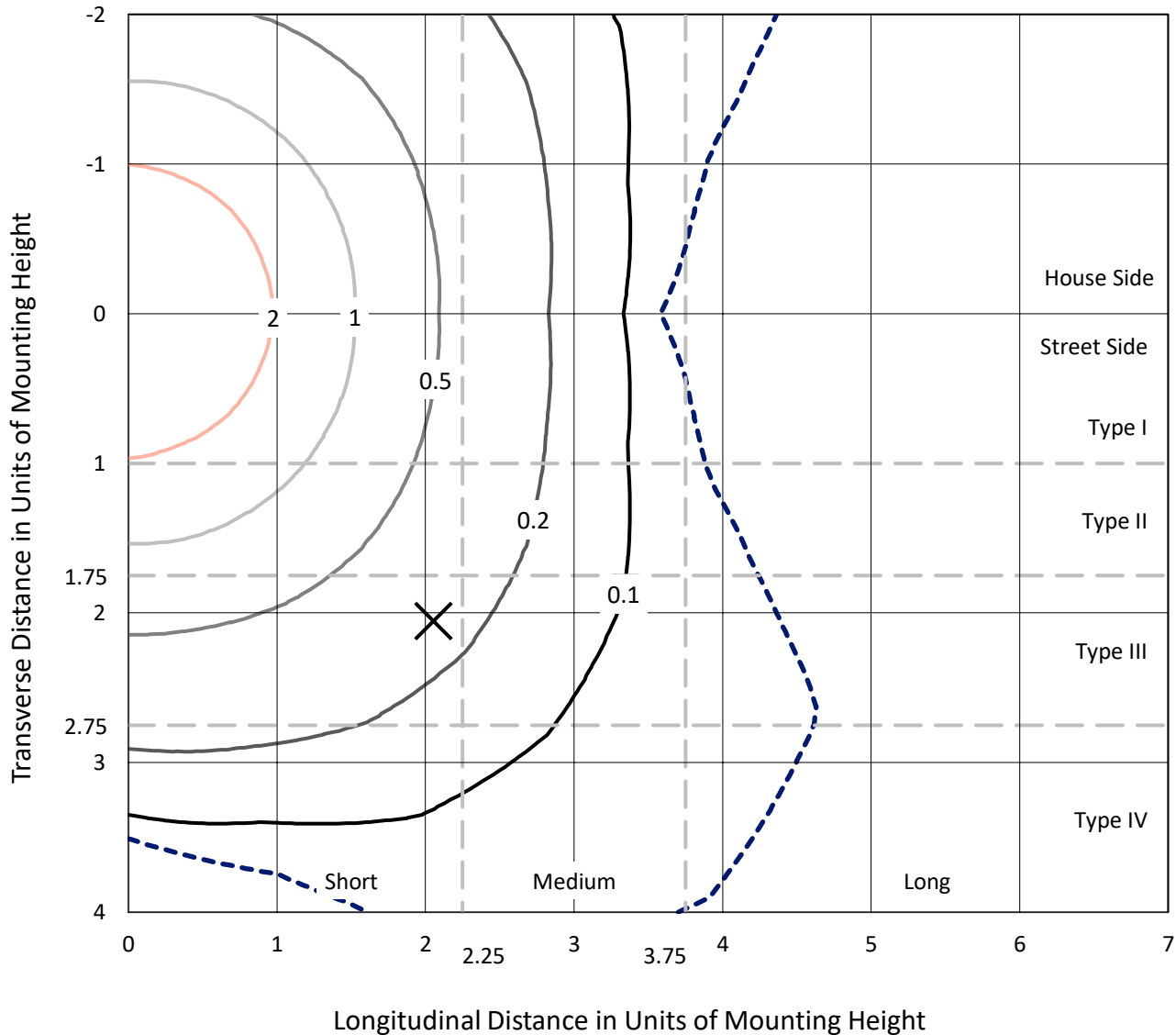
Input Watts (W): 120.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

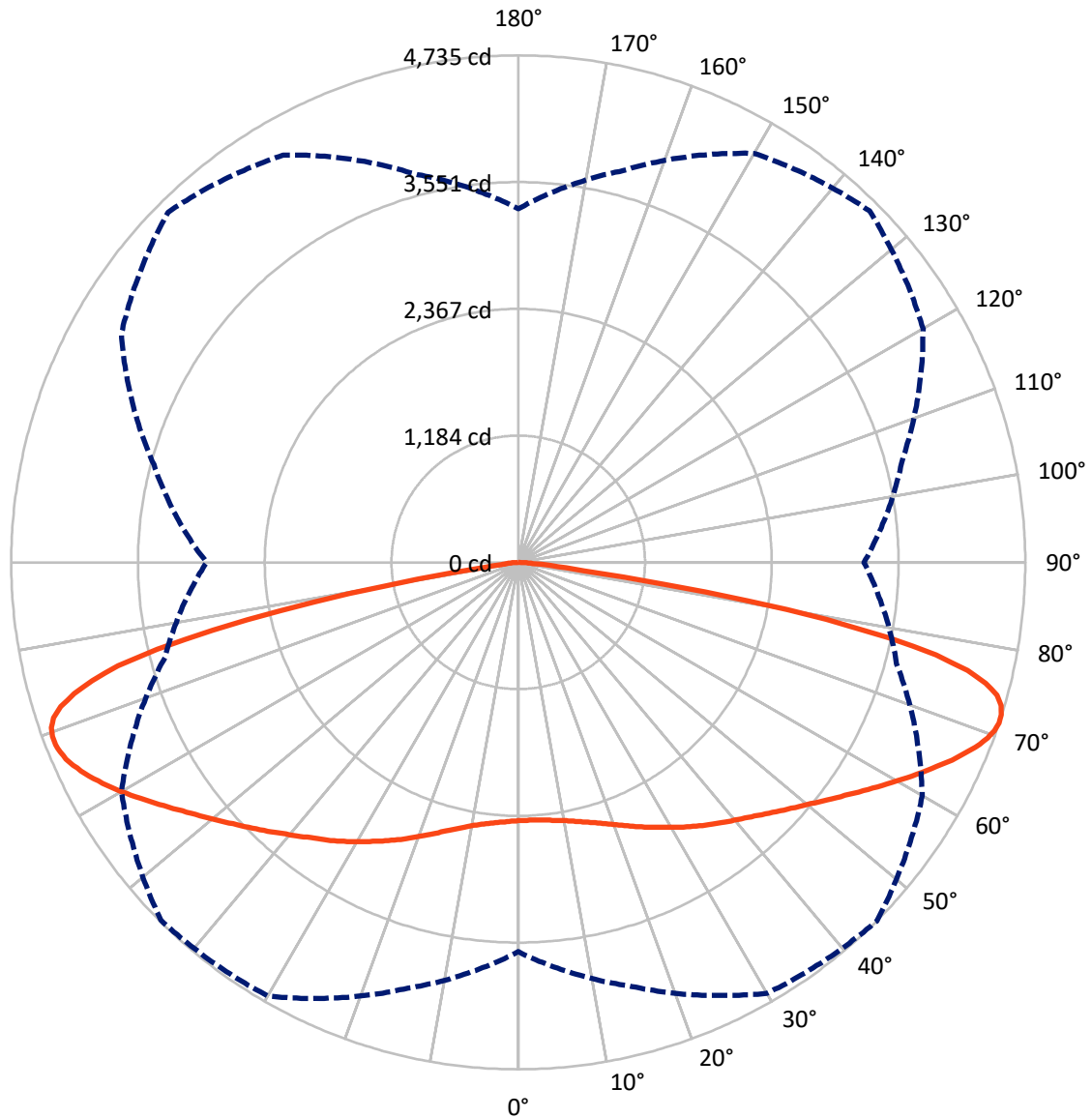


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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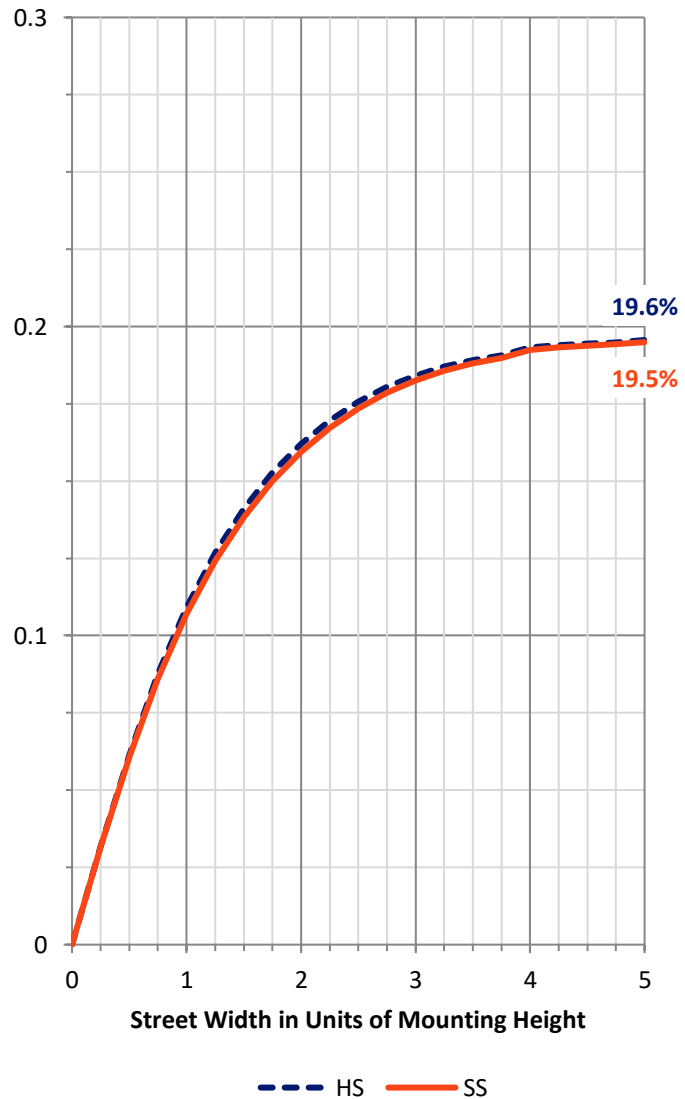
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8857.3	0.0	8857.3
	% Lamp	19.5	0.0	19.5
Street Side	Lumens	8853.4	0.0	8853.4
	% Lamp	19.4	0.0	19.4
Total	Lumens	17710.7	0.0	17710.7
	% Lamp	38.9	0.0	38.9

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	232.9	1.3	0.5
10°-20°	726.9	4.1	1.6
20°-30°	1295.5	7.3	2.8
30°-40°	1938.6	10.9	4.3
40°-50°	2653.7	15.0	5.8
50°-60°	3460.4	19.5	7.6
60°-70°	4171.8	23.6	9.2
70°-80°	3048.9	17.2	6.7
80°-90°	181.9	1.0	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°	17710.7	100.0	38.9
0°-180°	17710.7	100.0	38.9

Coefficient of Utilization



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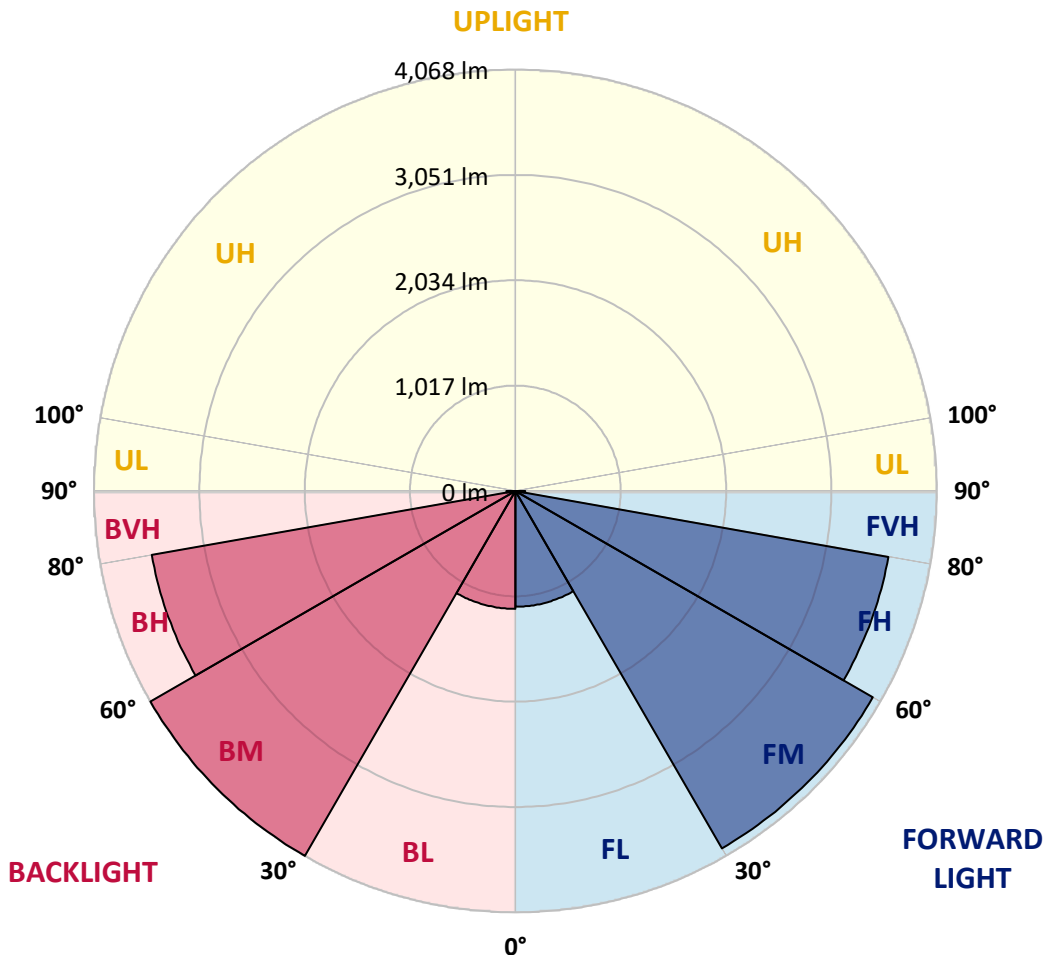
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1117.5	2.5			
FM (30°-60°)	3984.5	8.8			
FH (60°-80°)	3656.8	8.0			G2/5000
FVH (80°-90°)	94.6	0.2			G1/100
BL (0°-30°)	1137.9	2.5	B3/2500		
BM (30°-60°)	4068.2	8.9	B3/5000		
BH (60°-80°)	3564.0	7.8	B4/5000		G2/5000
BVH (80°-90°)	87.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	27824.3	61.1			

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7
1°	2410.3	2409.6	2409.8	2410.2	2410.6	2411.5	2409.5	2409.5	2409.9	2410.6	2410.8
2°	2410.1	2409.6	2409.6	2410.1	2410.9	2411.6	2409.9	2410.3	2411.1	2412.4	2413.1
3°	2411.6	2410.4	2410.8	2410.9	2412.5	2413.8	2412.1	2412.9	2414.2	2415.7	2416.6
4°	2413.2	2412.3	2412.8	2414.0	2415.5	2417.0	2415.5	2416.6	2418.5	2420.1	2421.0
5°	2415.5	2414.9	2416.0	2417.4	2420.1	2422.5	2421.2	2422.3	2423.7	2425.6	2427.4
6°	2419.5	2418.2	2420.1	2422.6	2426.3	2429.0	2428.0	2429.0	2430.2	2431.9	2434.4
7°	2424.1	2423.5	2425.2	2429.3	2433.2	2435.4	2435.0	2436.5	2437.5	2439.4	2442.5
8°	2429.5	2429.0	2432.1	2436.5	2440.5	2444.0	2443.4	2445.1	2446.9	2448.8	2452.6
9°	2436.4	2435.4	2439.5	2444.2	2449.8	2453.5	2453.1	2454.6	2457.4	2459.9	2463.7
10°	2444.7	2444.1	2448.4	2453.8	2460.6	2464.4	2463.8	2465.1	2468.7	2473.1	2476.5
11°	2455.1	2453.6	2458.8	2465.1	2471.9	2475.6	2475.5	2476.6	2480.9	2486.8	2490.6
12°	2466.5	2464.8	2469.9	2477.1	2484.2	2488.5	2489.1	2490.4	2495.5	2502.4	2506.5
13°	2479.2	2477.0	2481.9	2490.5	2497.7	2502.7	2504.0	2506.2	2511.5	2518.9	2523.8
14°	2493.4	2491.3	2495.0	2504.7	2512.6	2520.0	2521.5	2523.2	2529.3	2536.5	2543.0
15°	2509.7	2506.4	2510.2	2519.8	2529.4	2537.5	2540.0	2542.5	2548.5	2555.9	2562.7
16°	2526.6	2522.9	2527.2	2536.2	2547.5	2556.6	2560.4	2563.8	2568.7	2576.2	2583.3
17°	2544.4	2539.5	2545.1	2553.7	2566.5	2577.7	2582.5	2585.0	2590.7	2598.0	2605.0
18°	2562.4	2557.9	2563.0	2573.8	2586.4	2600.1	2605.7	2608.5	2613.6	2621.2	2628.1
19°	2581.2	2576.6	2583.0	2595.7	2607.5	2622.9	2630.4	2632.6	2637.4	2645.2	2651.6
20°	2601.1	2596.6	2603.6	2617.4	2630.0	2646.3	2655.7	2658.0	2662.0	2669.7	2675.3
21°	2621.0	2617.3	2625.0	2640.3	2653.0	2671.7	2681.3	2685.2	2687.5	2696.0	2699.8
22°	2641.3	2638.2	2647.5	2663.5	2677.3	2697.6	2707.5	2713.2	2714.5	2722.0	2723.9
23°	2662.8	2660.7	2670.6	2688.0	2703.5	2724.1	2733.2	2740.4	2742.4	2748.5	2749.5
24°	2685.1	2684.2	2694.0	2712.6	2729.4	2749.1	2757.5	2767.3	2770.5	2775.1	2774.3
25°	2709.2	2708.6	2718.6	2738.3	2755.6	2774.3	2781.5	2793.9	2798.2	2802.2	2800.3
26°	2733.4	2734.7	2743.5	2764.2	2781.2	2800.8	2806.4	2820.8	2826.6	2829.3	2826.6
27°	2759.9	2761.4	2769.6	2790.4	2806.9	2827.7	2832.5	2848.8	2854.8	2856.1	2852.9
28°	2787.5	2789.2	2796.2	2816.5	2832.8	2855.2	2860.3	2876.0	2882.8	2883.8	2879.8
29°	2816.1	2817.0	2823.7	2843.6	2859.0	2882.8	2889.4	2904.7	2912.2	2910.8	2907.1
30°	2847.0	2846.0	2851.3	2870.7	2886.5	2911.4	2920.9	2934.8	2941.4	2938.6	2935.3
31°	2879.1	2874.9	2879.9	2899.6	2913.7	2940.9	2952.4	2965.3	2972.3	2968.0	2964.1
32°	2911.5	2903.8	2907.8	2928.1	2942.0	2968.6	2983.0	2994.9	3002.4	2998.0	2994.7
33°	2946.3	2932.6	2936.1	2955.7	2970.9	2996.6	3014.0	3024.1	3031.9	3028.5	3023.5
34°	2982.8	2962.0	2964.7	2984.1	2998.9	3024.6	3045.6	3053.0	3059.8	3056.8	3053.7
35°	3019.7	2992.1	2995.1	3014.3	3026.3	3053.2	3077.8	3082.1	3087.3	3086.8	3085.1
36°	3056.5	3021.3	3024.2	3042.8	3054.0	3081.0	3110.4	3110.6	3116.0	3117.6	3116.4
37°	3094.8	3049.0	3053.5	3070.4	3082.1	3106.5	3143.7	3139.1	3145.9	3148.6	3149.2
38°	3133.6	3075.7	3081.7	3099.9	3110.4	3132.8	3177.7	3166.5	3175.5	3180.4	3181.4
39°	3172.6	3103.1	3109.9	3128.6	3138.7	3160.8	3214.3	3195.1	3205.0	3212.5	3213.2
40°	3212.8	3132.3	3138.3	3158.0	3167.7	3190.1	3253.7	3225.8	3236.1	3246.5	3246.7
41°	3254.6	3163.9	3168.8	3188.7	3198.7	3222.0	3292.0	3257.7	3268.5	3279.9	3279.6
42°	3295.0	3199.6	3200.9	3221.5	3231.0	3255.4	3328.3	3292.4	3301.5	3315.2	3314.4
43°	3332.5	3238.1	3234.6	3256.4	3266.8	3289.4	3365.2	3327.1	3337.4	3351.7	3350.5
44°	3367.5	3278.5	3270.6	3292.8	3304.1	3326.1	3402.3	3362.4	3374.4	3390.2	3388.3



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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3402.1	3318.3	3308.3	3330.7	3341.4	3364.5	3439.6	3398.9	3411.7	3429.7	3427.5
46°	3434.6	3360.7	3348.6	3371.0	3381.5	3404.3	3474.5	3438.6	3451.4	3470.3	3468.5
47°	3465.2	3405.5	3391.9	3411.3	3422.2	3446.0	3507.2	3479.9	3492.0	3512.7	3510.0
48°	3495.5	3452.8	3436.3	3453.8	3462.9	3487.4	3539.5	3522.2	3533.7	3556.4	3554.2
49°	3527.5	3502.4	3482.0	3498.1	3506.5	3529.7	3570.2	3563.7	3575.0	3599.7	3599.6
50°	3561.3	3554.6	3529.6	3543.3	3552.8	3574.2	3599.6	3606.7	3618.3	3644.8	3646.6
51°	3597.0	3607.9	3579.9	3590.6	3597.2	3618.0	3627.8	3649.3	3661.7	3690.9	3694.9
52°	3632.5	3662.6	3631.5	3640.4	3645.6	3663.1	3653.5	3692.9	3706.5	3738.4	3744.4
53°	3673.0	3719.3	3684.5	3694.4	3693.3	3705.2	3678.3	3733.8	3751.8	3787.5	3795.8
54°	3716.0	3774.8	3740.8	3748.8	3742.0	3744.7	3704.2	3773.2	3799.3	3837.4	3847.7
55°	3759.7	3829.3	3799.2	3805.9	3790.8	3783.0	3729.6	3810.5	3844.9	3890.3	3900.4
56°	3803.4	3882.5	3858.8	3865.2	3840.6	3822.1	3755.5	3847.0	3890.3	3944.0	3952.5
57°	3846.3	3933.1	3919.5	3924.9	3889.9	3860.1	3781.0	3881.5	3937.0	4001.1	4003.9
58°	3886.3	3981.3	3979.0	3988.3	3939.7	3893.8	3806.2	3913.2	3982.1	4059.1	4051.7
59°	3928.4	4023.7	4040.8	4051.7	3988.7	3923.3	3828.2	3942.8	4026.4	4118.6	4095.3
60°	3968.1	4064.9	4101.9	4117.4	4036.9	3949.4	3846.6	3968.9	4070.0	4179.3	4136.5
61°	4001.9	4100.3	4166.4	4183.9	4082.8	3970.0	3860.8	3989.5	4114.7	4241.1	4180.4
62°	4030.7	4131.0	4229.8	4249.7	4129.9	3984.0	3870.5	4006.6	4159.1	4301.4	4226.3
63°	4060.3	4160.6	4293.2	4315.8	4176.6	3994.9	3877.4	4021.0	4201.8	4360.5	4269.1
64°	4097.2	4189.0	4354.7	4382.7	4218.9	4000.7	3880.3	4029.9	4243.8	4418.9	4309.2
65°	4137.7	4222.4	4417.3	4450.8	4261.3	4004.6	3880.6	4036.5	4284.7	4471.8	4346.5
66°	4162.2	4258.2	4476.4	4515.3	4300.6	4006.2	3869.8	4037.7	4321.2	4521.6	4384.3
67°	4166.4	4286.2	4527.0	4575.2	4331.7	3998.4	3848.4	4028.0	4352.4	4563.6	4416.5
68°	4163.7	4295.2	4574.4	4632.8	4362.1	3970.4	3795.8	4005.0	4378.0	4599.7	4441.0
69°	4118.2	4282.0	4618.4	4680.6	4378.4	3919.1	3681.0	3955.6	4394.4	4625.4	4445.7
70°	3957.2	4233.7	4646.4	4716.4	4376.1	3816.2	3498.6	3863.7	4392.8	4641.7	4435.2
71°	3636.8	4100.3	4646.4	4734.7	4356.6	3657.5	3227.9	3714.0	4364.4	4641.0	4409.5
72°	3218.1	3847.4	4606.3	4729.6	4311.1	3445.1	2939.5	3495.1	4307.2	4620.7	4344.6
73°	2813.2	3496.0	4527.0	4702.4	4235.3	3193.2	2681.3	3225.3	4212.3	4562.4	4238.0
74°	2422.3	3103.6	4397.5	4637.1	4115.9	2944.6	2466.3	2945.8	4082.4	4458.9	4078.9
75°	1843.6	2668.1	4197.6	4507.5	3973.1	2698.6	2216.2	2684.3	3909.3	4299.9	3824.4
76°	1074.4	2101.3	3895.0	4313.5	3788.0	2387.2	1777.2	2408.0	3696.6	4082.8	3478.0
77°	422.8	1336.1	3488.6	3996.1	3540.5	1912.7	1251.1	1974.4	3430.8	3758.8	3062.2
78°	308.4	606.5	2982.4	3536.0	3176.3	1277.7	724.9	1399.1	3090.8	3295.8	2552.1
79°	204.9	430.8	2298.9	2925.5	2668.5	635.2	203.6	823.7	2608.2	2669.9	1870.0
80°	101.3	269.2	1424.0	2167.7	1975.6	452.0	115.5	253.3	1949.1	1944.8	1327.4
81°	89.9	107.6	674.3	1373.8	1154.6	279.1	101.9	126.4	1367.0	1367.3	784.7
82°	79.5	92.7	485.6	615.5	495.4	106.2	88.4	104.5	784.9	789.8	244.8
83°	69.4	79.4	299.7	451.5	357.3	86.2	74.9	90.1	207.4	212.8	132.4
84°	58.9	66.7	113.7	292.0	227.4	72.8	64.1	75.7	122.5	135.9	100.9
85°	48.1	54.4	85.9	132.5	97.5	59.8	53.2	62.6	96.1	113.3	69.7
86°	35.6	42.6	65.7	105.0	71.8	47.3	42.2	49.9	69.7	90.3	49.4
87°	24.2	31.7	49.8	78.2	55.0	36.2	30.7	38.6	52.8	67.3	34.6
88°	12.8	20.7	34.3	48.6	39.4	25.2	19.8	27.8	37.8	42.1	21.4
89°	5.3	9.8	18.4	25.6	21.5	14.2	13.9	19.3	26.0	29.0	15.1



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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7	2410.7
1°	2411.7	2412.7	2413.2	2413.7	2413.9	2414.3	2414.4	2412.0	2411.9	2411.7	2410.9
2°	2413.9	2415.9	2416.8	2417.8	2417.8	2418.4	2418.0	2416.2	2415.3	2414.2	2412.6
3°	2418.2	2420.2	2421.9	2422.7	2423.1	2423.2	2423.0	2421.1	2419.3	2417.6	2415.3
4°	2423.4	2425.7	2427.5	2428.7	2429.5	2429.8	2428.8	2425.8	2424.2	2422.2	2419.2
5°	2429.1	2431.8	2434.0	2435.9	2436.7	2436.6	2435.3	2432.1	2429.3	2427.1	2423.7
6°	2435.9	2439.3	2441.5	2443.6	2444.6	2444.5	2443.2	2439.5	2436.5	2432.8	2428.4
7°	2444.6	2447.9	2450.4	2452.8	2453.8	2453.7	2451.9	2448.4	2444.4	2440.3	2434.6
8°	2454.8	2457.8	2460.7	2463.8	2464.2	2464.1	2462.3	2457.9	2453.8	2449.4	2442.2
9°	2466.7	2469.4	2472.5	2475.6	2476.4	2475.3	2472.8	2468.5	2464.4	2459.8	2451.3
10°	2479.0	2482.0	2485.0	2489.0	2489.7	2488.1	2485.7	2481.7	2476.7	2470.7	2461.7
11°	2493.8	2497.3	2500.2	2503.6	2505.1	2503.7	2500.8	2497.1	2491.8	2483.8	2473.9
12°	2510.2	2513.8	2516.8	2520.0	2522.4	2521.4	2518.2	2515.1	2508.9	2499.6	2486.9
13°	2528.2	2531.9	2534.6	2538.2	2541.1	2540.5	2537.0	2533.9	2527.3	2517.2	2502.0
14°	2546.8	2550.6	2553.7	2557.7	2561.4	2561.6	2557.0	2553.3	2546.4	2535.5	2518.7
15°	2566.8	2571.2	2573.7	2579.2	2583.4	2583.0	2578.5	2574.9	2567.1	2554.6	2537.7
16°	2588.7	2592.7	2596.0	2601.8	2608.1	2606.8	2601.6	2598.9	2589.5	2575.4	2557.7
17°	2610.9	2615.1	2618.7	2625.8	2632.9	2630.7	2625.8	2623.4	2613.8	2598.2	2578.5
18°	2633.5	2637.4	2641.5	2650.3	2658.4	2655.9	2651.6	2649.2	2638.3	2621.3	2600.1
19°	2657.2	2660.5	2665.1	2675.4	2684.3	2681.5	2677.6	2675.4	2663.6	2646.2	2622.6
20°	2681.0	2683.3	2689.7	2700.4	2711.3	2708.6	2705.0	2702.4	2690.1	2671.0	2645.9
21°	2705.1	2706.9	2715.4	2727.2	2740.1	2736.4	2733.6	2730.6	2718.6	2696.4	2670.5
22°	2729.1	2730.9	2740.7	2753.3	2768.1	2765.2	2763.1	2757.4	2746.3	2722.1	2695.4
23°	2753.9	2755.3	2766.7	2781.3	2796.5	2793.7	2792.4	2784.1	2774.5	2750.0	2721.6
24°	2779.4	2781.2	2793.6	2808.1	2824.4	2823.8	2821.3	2810.1	2802.1	2778.1	2747.7
25°	2805.8	2808.1	2821.4	2836.5	2852.3	2853.8	2849.6	2837.0	2830.2	2805.3	2774.0
26°	2832.6	2836.5	2850.2	2865.7	2880.5	2884.4	2879.8	2864.3	2858.4	2832.1	2799.4
27°	2860.4	2865.4	2879.9	2894.1	2907.8	2914.6	2909.2	2892.2	2887.3	2859.6	2825.5
28°	2889.5	2896.4	2910.0	2922.4	2937.1	2945.7	2939.8	2922.7	2916.5	2887.3	2853.6
29°	2919.2	2928.5	2941.3	2950.8	2966.4	2976.4	2970.8	2955.7	2946.2	2915.3	2881.5
30°	2949.3	2961.1	2972.4	2979.8	2996.4	3006.7	3002.7	2989.0	2976.8	2942.8	2909.8
31°	2979.2	2995.3	3003.4	3010.1	3027.1	3036.2	3034.4	3022.4	3006.7	2971.6	2938.6
32°	3009.5	3030.2	3034.9	3040.1	3057.3	3066.1	3064.1	3052.7	3035.3	2999.8	2969.2
33°	3039.6	3066.4	3066.0	3069.9	3087.3	3094.5	3093.8	3083.3	3062.6	3028.9	2999.5
34°	3071.2	3101.8	3096.4	3100.8	3117.0	3121.9	3121.7	3113.9	3090.1	3057.0	3029.8
35°	3102.0	3139.0	3127.0	3131.7	3146.6	3149.2	3149.5	3145.1	3115.4	3085.4	3059.5
36°	3133.7	3176.6	3158.1	3162.5	3175.6	3177.1	3175.2	3176.4	3139.2	3112.6	3088.6
37°	3164.7	3213.7	3188.2	3194.1	3204.6	3205.8	3201.1	3210.7	3165.4	3140.7	3118.4
38°	3194.5	3251.4	3216.9	3225.0	3235.5	3234.7	3228.4	3247.2	3192.8	3168.4	3148.9
39°	3224.1	3290.7	3246.9	3255.5	3269.0	3265.1	3256.0	3285.4	3220.9	3198.9	3178.9
40°	3256.5	3331.2	3279.4	3288.1	3303.0	3295.8	3286.4	3324.8	3251.2	3230.5	3209.0
41°	3290.8	3370.4	3315.4	3321.5	3337.6	3328.7	3317.4	3366.7	3285.4	3263.9	3241.7
42°	3325.8	3409.3	3352.2	3356.8	3374.5	3362.6	3352.7	3408.6	3322.5	3297.4	3277.4
43°	3361.2	3447.6	3390.3	3393.9	3412.4	3397.5	3393.0	3448.9	3363.2	3333.2	3314.1
44°	3400.0	3484.5	3429.7	3432.1	3451.2	3434.3	3434.0	3485.0	3404.1	3370.0	3352.7



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3440.3	3521.0	3470.8	3471.6	3491.5	3473.6	3476.2	3518.1	3445.1	3410.8	3393.2
46°	3484.5	3558.4	3514.6	3513.3	3530.5	3515.3	3516.2	3551.4	3486.0	3453.7	3435.4
47°	3530.4	3594.9	3562.0	3556.6	3572.2	3559.3	3559.2	3583.7	3528.6	3498.5	3478.5
48°	3580.2	3627.6	3609.6	3600.2	3613.7	3604.8	3603.9	3612.8	3572.3	3542.6	3522.9
49°	3630.1	3661.0	3659.0	3644.4	3657.8	3650.5	3649.1	3639.5	3617.4	3586.7	3568.7
50°	3679.5	3695.5	3708.6	3691.8	3703.5	3697.2	3695.0	3665.7	3662.7	3630.9	3616.7
51°	3729.2	3731.7	3758.1	3738.9	3750.2	3741.4	3738.7	3692.0	3707.9	3676.8	3666.9
52°	3779.6	3766.6	3808.3	3789.9	3800.1	3786.9	3782.1	3718.8	3748.9	3723.6	3718.3
53°	3830.4	3800.0	3858.5	3840.4	3850.7	3832.8	3822.0	3744.7	3788.7	3770.1	3771.9
54°	3879.0	3832.5	3905.5	3893.0	3903.1	3879.8	3859.1	3770.9	3827.5	3817.6	3828.1
55°	3923.7	3865.2	3948.2	3945.9	3957.2	3924.9	3892.6	3795.4	3862.9	3861.7	3885.8
56°	3960.7	3895.7	3985.2	3998.4	4012.8	3970.0	3923.0	3818.8	3894.6	3908.2	3945.5
57°	3991.8	3925.7	4019.0	4052.5	4071.9	4013.6	3951.7	3840.7	3921.4	3954.9	4006.2
58°	4019.8	3954.1	4048.6	4099.9	4130.3	4056.4	3976.6	3861.2	3945.5	3997.6	4066.5
59°	4045.9	3980.9	4075.4	4142.7	4189.4	4098.4	3998.4	3875.7	3966.5	4040.8	4127.2
60°	4069.6	4004.6	4097.6	4186.7	4251.2	4137.7	4015.1	3886.1	3983.2	4087.1	4190.2
61°	4088.3	4026.0	4114.7	4233.7	4310.0	4176.2	4028.0	3897.3	3995.3	4131.4	4254.7
62°	4101.9	4047.8	4129.5	4279.2	4367.9	4216.6	4035.8	3905.1	4005.8	4173.8	4319.7
63°	4117.4	4068.0	4145.0	4319.7	4422.4	4257.5	4041.6	3906.2	4013.6	4216.6	4384.6
64°	4131.8	4088.3	4162.9	4354.3	4476.0	4294.8	4043.5	3902.3	4017.1	4256.7	4447.7
65°	4145.0	4092.2	4174.6	4386.2	4524.7	4330.6	4039.3	3887.5	4012.8	4292.8	4505.6
66°	4150.1	4064.9	4170.7	4420.0	4568.2	4362.5	4025.3	3853.6	4000.0	4324.7	4560.1
67°	4137.7	4031.9	4152.4	4445.7	4605.2	4381.5	3992.2	3796.5	3965.4	4351.6	4612.2
68°	4114.7	3977.0	4126.4	4464.0	4630.1	4383.5	3944.3	3689.0	3908.6	4367.1	4660.0
69°	4064.1	3848.7	4068.0	4461.7	4644.1	4368.7	3864.7	3493.8	3811.6	4360.9	4695.0
70°	3963.0	3629.2	3951.7	4439.5	4644.5	4336.4	3730.7	3213.7	3646.7	4331.4	4717.6
71°	3787.4	3300.9	3755.6	4391.3	4625.8	4278.8	3521.8	2909.7	3412.5	4278.8	4722.3
72°	3505.4	2896.9	3451.4	4306.5	4577.6	4200.3	3252.0	2666.0	3139.6	4200.3	4702.8
73°	3123.5	2472.9	3076.1	4185.1	4479.2	4082.4	2980.1	2461.7	2884.5	4069.6	4645.2
74°	2691.9	2047.3	2653.0	3992.6	4323.6	3926.8	2728.7	2201.8	2632.9	3903.9	4535.6
75°	2234.6	1513.9	2173.3	3696.4	4129.1	3731.6	2439.7	1729.2	2330.8	3700.6	4367.1
76°	1716.6	957.5	1642.0	3322.2	3861.5	3480.0	2009.4	1094.4	1868.1	3444.9	4117.4
77°	1221.5	401.9	1171.3	2873.0	3467.5	3136.8	1417.2	495.0	1259.4	3113.9	3730.9
78°	726.5	166.6	700.7	2311.1	2920.1	2668.3	825.1	361.2	625.0	2665.0	3150.8
79°	239.9	106.7	231.1	1607.6	2258.8	2050.9	235.6	231.4	442.3	2034.7	2426.3
80°	125.4	91.0	125.1	1029.9	1605.2	1446.6	126.7	101.6	275.1	1246.4	1643.8
81°	104.9	75.3	104.2	452.3	951.5	842.4	107.2	87.8	107.9	554.8	850.6
82°	84.4	64.1	83.3	185.5	311.9	248.0	93.7	76.9	89.3	396.3	293.1
83°	64.1	53.8	62.7	144.6	157.5	136.3	80.1	65.9	76.5	249.5	215.0
84°	51.9	44.5	50.6	103.8	127.8	111.2	66.6	54.8	63.5	102.6	137.9
85°	39.9	34.0	38.4	63.4	104.0	86.1	54.1	43.3	50.9	76.6	115.3
86°	28.8	23.0	27.2	45.4	80.1	61.0	42.4	32.4	39.3	58.9	91.1
87°	20.4	16.0	19.3	30.4	56.3	45.2	31.5	21.5	28.2	43.6	62.4
88°	12.0	8.9	11.3	21.2	38.5	30.9	21.8	10.7	17.1	35.2	31.6
89°	3.6	1.9	3.5	11.9	20.6	21.5	12.0	3.4	6.0	26.8	24.0



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2410.7	2410.7	2410.7
1°	2410.4	2409.6	2410.3
2°	2411.3	2410.1	2410.1
3°	2413.0	2411.7	2411.6
4°	2416.0	2414.2	2413.2
5°	2419.9	2417.0	2415.5
6°	2424.4	2420.9	2419.5
7°	2430.1	2425.9	2424.1
8°	2436.4	2431.5	2429.5
9°	2444.1	2438.8	2436.4
10°	2452.9	2447.6	2444.7
11°	2464.1	2457.4	2455.1
12°	2476.4	2469.3	2466.5
13°	2489.3	2481.7	2479.2
14°	2503.6	2495.9	2493.4
15°	2520.2	2512.2	2509.7
16°	2538.7	2529.7	2526.6
17°	2558.3	2548.0	2544.4
18°	2578.6	2566.7	2562.4
19°	2600.3	2586.6	2581.2
20°	2622.7	2607.1	2601.1
21°	2646.0	2628.6	2621.0
22°	2669.7	2650.7	2641.3
23°	2694.0	2674.7	2662.8
24°	2718.6	2699.4	2685.1
25°	2743.9	2725.6	2709.2
26°	2769.7	2752.4	2733.4
27°	2796.2	2779.6	2759.9
28°	2823.4	2807.1	2787.5
29°	2850.7	2835.1	2816.1
30°	2878.6	2863.8	2847.0
31°	2907.0	2893.2	2879.1
32°	2936.1	2921.0	2911.5
33°	2965.9	2950.6	2946.3
34°	2995.6	2980.8	2982.8
35°	3026.4	3011.1	3019.7
36°	3057.4	3040.0	3056.5
37°	3086.7	3068.0	3094.8
38°	3117.4	3095.2	3133.6
39°	3147.7	3122.8	3172.6
40°	3178.0	3152.4	3212.8
41°	3209.2	3186.0	3254.6
42°	3242.6	3222.0	3295.0
43°	3278.0	3260.4	3332.5
44°	3316.8	3300.9	3367.5

REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3357.2	3342.7	3402.1
46°	3401.6	3385.8	3434.6
47°	3446.8	3432.7	3465.2
48°	3492.2	3480.5	3495.5
49°	3540.2	3531.2	3527.5
50°	3588.3	3584.1	3561.3
51°	3640.0	3638.2	3597.0
52°	3693.1	3694.8	3632.5
53°	3746.6	3749.4	3673.0
54°	3804.2	3805.9	3716.0
55°	3861.8	3860.6	3759.7
56°	3920.6	3914.4	3803.4
57°	3980.1	3966.1	3846.3
58°	4041.2	4012.4	3886.3
59°	4103.4	4054.0	3928.4
60°	4167.6	4094.1	3968.1
61°	4230.2	4134.5	4001.9
62°	4292.8	4173.8	4030.7
63°	4356.2	4205.3	4060.3
64°	4418.1	4229.5	4097.2
65°	4480.3	4259.0	4137.7
66°	4540.2	4299.5	4162.2
67°	4593.1	4326.3	4166.4
68°	4630.5	4329.4	4163.7
69°	4667.8	4307.6	4118.2
70°	4689.6	4255.1	3957.2
71°	4677.1	4125.6	3636.8
72°	4614.1	3868.4	3218.1
73°	4525.4	3506.0	2813.2
74°	4388.5	3101.3	2422.3
75°	4133.4	2648.6	1843.6
76°	3783.9	2074.8	1074.4
77°	3362.8	1337.5	422.8
78°	2823.5	629.1	308.4
79°	2064.0	446.1	204.9
80°	1143.4	279.4	101.3
81°	508.1	112.8	89.9
82°	366.0	92.8	79.5
83°	234.6	79.4	69.4
84°	103.2	66.5	58.9
85°	78.8	53.3	48.1
86°	61.3	41.0	35.6
87°	45.1	30.0	24.2
88°	36.2	18.9	12.8
89°	27.5	7.9	5.3



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436798

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)