

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: P1436822

Luminaire Tested: XAS300-SFPM (5000K-120W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436822
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 (5000K-120W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 17886.3 lumens
Efficiency: 39.3%
Efficacy: 145.1 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

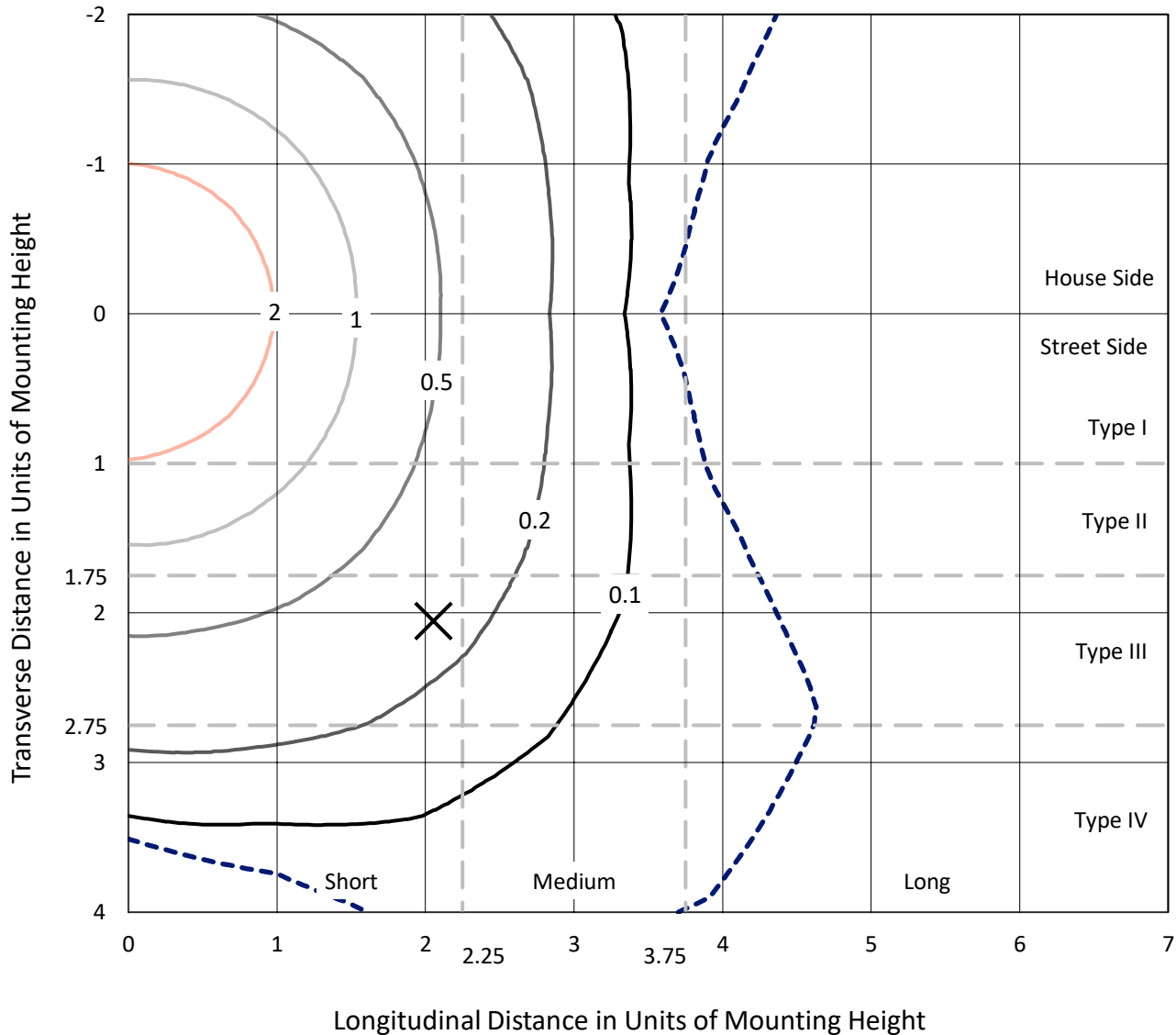
Input Watts (W): 123.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

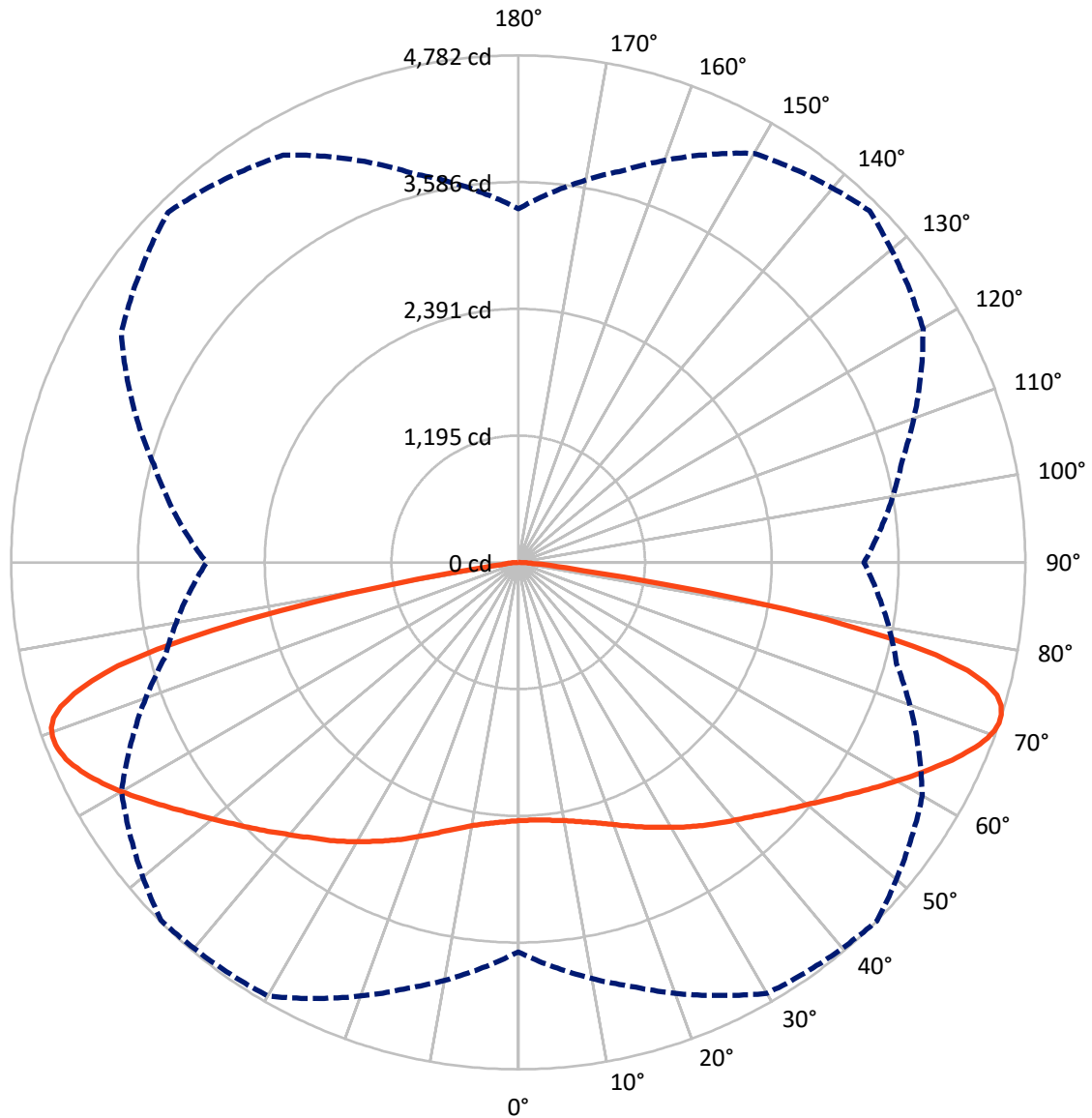
✕ Max cd
 - - - 1/2 Max cd



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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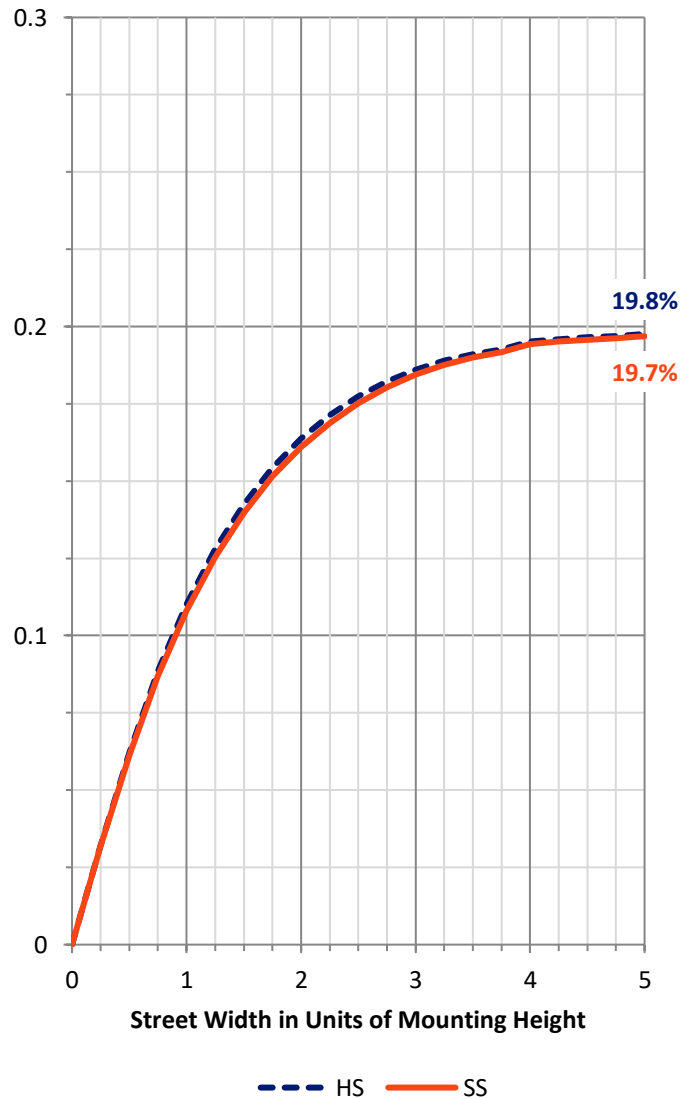
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8945.1	0.0	8945.1
	% Lamp	19.6	0.0	19.6
Street Side	Lumens	8941.2	0.0	8941.2
	% Lamp	19.6	0.0	19.6
Total	Lumens	17886.3	0.0	17886.3
	% Lamp	39.3	0.0	39.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	235.2	1.3	0.5
10°-20°	734.1	4.1	1.6
20°-30°	1308.4	7.3	2.9
30°-40°	1957.9	10.9	4.3
40°-50°	2680.0	15.0	5.9
50°-60°	3494.7	19.5	7.7
60°-70°	4213.2	23.6	9.3
70°-80°	3079.2	17.2	6.8
80°-90°	183.7	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°	17886.3	100.0	39.3
0°-180°	17886.3	100.0	39.3

Coefficient of Utilization



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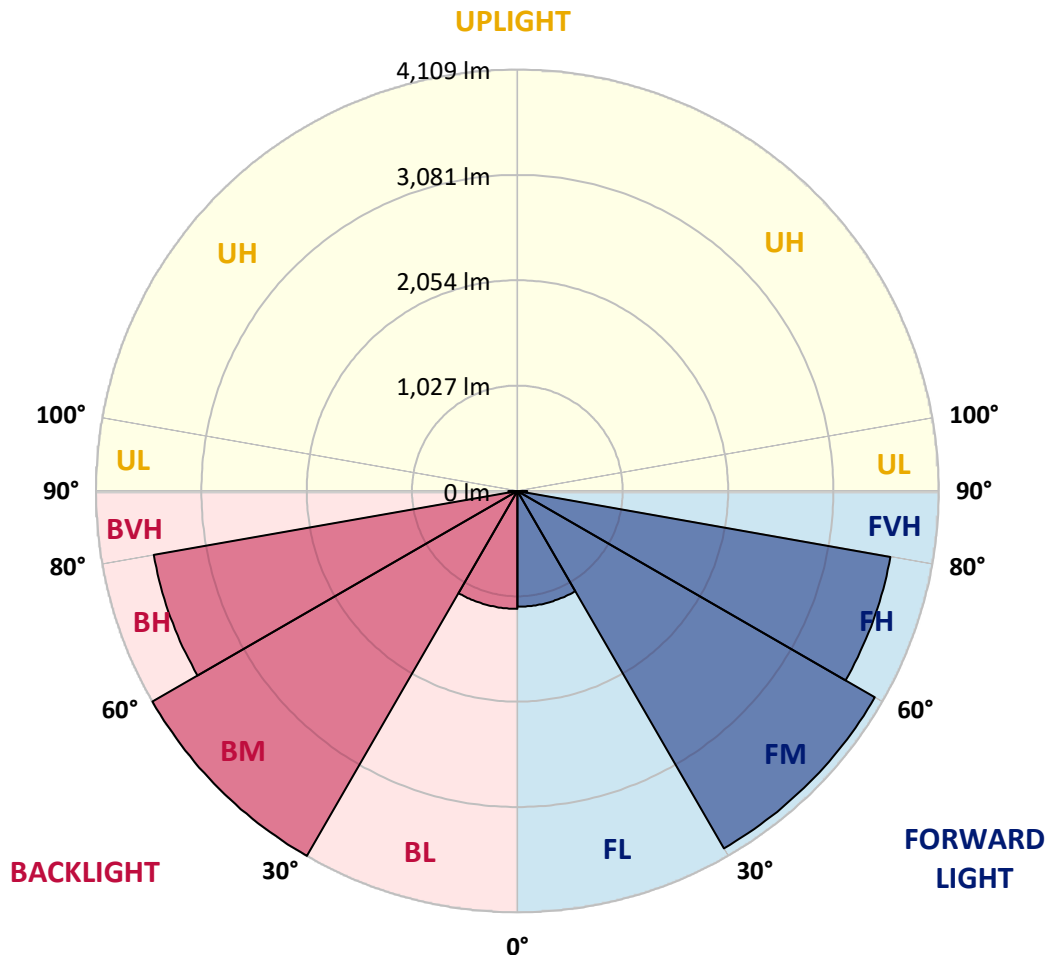
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1128.6	2.5			
FM (30°-60°)	4024.0	8.8			
FH (60°-80°)	3693.0	8.1			G2/5000
FVH (80°-90°)	95.6	0.2			G1/100
BL (0°-30°)	1149.1	2.5	B3/2500		
BM (30°-60°)	4108.5	9.0	B3/5000		
BH (60°-80°)	3599.3	7.9	B4/5000		G2/5000
BVH (80°-90°)	88.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	27648.7	60.7			

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°	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6
1°	2434.2	2433.5	2433.7	2434.1	2434.5	2435.4	2433.4	2433.4	2433.8	2434.5	2434.7
2°	2434.0	2433.5	2433.5	2434.0	2434.8	2435.5	2433.8	2434.2	2435.0	2436.3	2437.0
3°	2435.5	2434.3	2434.7	2434.8	2436.4	2437.7	2436.0	2436.9	2438.1	2439.6	2440.5
4°	2437.1	2436.2	2436.7	2438.0	2439.5	2440.9	2439.5	2440.5	2442.5	2444.0	2445.0
5°	2439.5	2438.8	2439.9	2441.4	2444.1	2446.5	2445.2	2446.4	2447.7	2449.6	2451.5
6°	2443.5	2442.2	2444.1	2446.6	2450.3	2453.0	2452.1	2453.1	2454.3	2456.0	2458.5
7°	2448.1	2447.5	2449.2	2453.4	2457.3	2459.6	2459.1	2460.6	2461.6	2463.6	2466.7
8°	2453.6	2453.0	2456.2	2460.7	2464.7	2468.2	2467.7	2469.3	2471.1	2473.0	2477.0
9°	2460.5	2459.5	2463.7	2468.4	2474.1	2477.8	2477.4	2478.9	2481.8	2484.3	2488.1
10°	2468.9	2468.3	2472.6	2478.1	2485.0	2488.9	2488.3	2489.5	2493.2	2497.6	2501.0
11°	2479.5	2477.9	2483.2	2489.5	2496.4	2500.1	2500.1	2501.2	2505.5	2511.4	2515.3
12°	2490.9	2489.2	2494.4	2501.6	2508.8	2513.2	2513.8	2515.1	2520.2	2527.2	2531.4
13°	2503.8	2501.6	2506.5	2515.2	2522.4	2527.6	2528.9	2531.1	2536.4	2543.9	2548.8
14°	2518.2	2516.0	2519.8	2529.5	2537.5	2545.0	2546.4	2548.2	2554.3	2561.7	2568.2
15°	2534.6	2531.3	2535.1	2544.8	2554.5	2562.7	2565.2	2567.7	2573.8	2581.2	2588.1
16°	2551.6	2547.9	2552.2	2561.4	2572.8	2581.9	2585.8	2589.2	2594.2	2601.8	2608.9
17°	2569.6	2564.7	2570.4	2579.0	2591.9	2603.3	2608.1	2610.6	2616.4	2623.8	2630.8
18°	2587.9	2583.2	2588.4	2599.3	2612.0	2625.8	2631.5	2634.4	2639.5	2647.2	2654.2
19°	2606.8	2602.2	2608.6	2621.4	2633.3	2648.9	2656.5	2658.7	2663.5	2671.4	2677.9
20°	2626.9	2622.4	2629.4	2643.3	2656.0	2672.5	2682.0	2684.4	2688.4	2696.1	2701.8
21°	2647.0	2643.2	2651.1	2666.5	2679.3	2698.2	2707.9	2711.8	2714.1	2722.7	2726.6
22°	2667.5	2664.3	2673.8	2689.9	2703.8	2724.3	2734.3	2740.1	2741.4	2749.0	2750.9
23°	2689.2	2687.0	2697.1	2714.7	2730.3	2751.1	2760.3	2767.5	2769.6	2775.8	2776.7
24°	2711.7	2710.8	2720.7	2739.5	2756.4	2776.3	2784.8	2794.7	2797.9	2802.6	2801.8
25°	2736.0	2735.5	2745.6	2765.5	2783.0	2801.9	2809.0	2821.7	2825.9	2829.9	2828.1
26°	2760.5	2761.8	2770.7	2791.6	2808.8	2828.5	2834.2	2848.8	2854.6	2857.4	2854.6
27°	2787.2	2788.8	2797.1	2818.0	2834.7	2855.7	2860.6	2877.1	2883.1	2884.4	2881.2
28°	2815.1	2816.9	2823.9	2844.5	2860.9	2883.5	2888.7	2904.5	2911.4	2912.4	2908.3
29°	2844.0	2844.9	2851.7	2871.8	2887.4	2911.4	2918.1	2933.5	2941.1	2939.6	2935.9
30°	2875.3	2874.2	2879.6	2899.2	2915.1	2940.3	2949.9	2963.9	2970.5	2967.7	2964.4
31°	2907.7	2903.4	2908.5	2928.4	2942.6	2970.0	2981.7	2994.7	3001.8	2997.4	2993.5
32°	2940.4	2932.6	2936.7	2957.2	2971.2	2998.0	3012.6	3024.6	3032.2	3027.8	3024.4
33°	2975.6	2961.7	2965.2	2985.0	3000.3	3026.3	3043.9	3054.0	3061.9	3058.6	3053.4
34°	3012.4	2991.4	2994.1	3013.7	3028.6	3054.6	3075.8	3083.2	3090.2	3087.1	3084.0
35°	3049.6	3021.7	3024.8	3044.2	3056.3	3083.5	3108.3	3112.6	3117.9	3117.4	3115.7
36°	3086.8	3051.3	3054.2	3073.0	3084.3	3111.5	3141.2	3141.5	3146.9	3148.5	3147.3
37°	3125.4	3079.2	3083.8	3100.9	3112.6	3137.3	3174.9	3170.2	3177.1	3179.8	3180.4
38°	3164.7	3106.2	3112.3	3130.6	3141.3	3163.8	3209.2	3197.9	3207.0	3211.9	3213.0
39°	3204.0	3133.9	3140.8	3159.6	3169.8	3192.1	3246.2	3226.8	3236.8	3244.4	3245.1
40°	3244.7	3163.4	3169.4	3189.3	3199.1	3221.8	3285.9	3257.7	3268.2	3278.6	3278.9
41°	3286.9	3195.3	3200.2	3220.3	3230.4	3253.9	3324.7	3290.0	3301.0	3312.5	3312.1
42°	3327.7	3231.3	3232.6	3253.4	3263.0	3287.7	3361.3	3325.0	3334.3	3348.1	3347.2
43°	3365.5	3270.2	3266.7	3288.7	3299.2	3322.0	3398.6	3360.1	3370.5	3385.0	3383.8
44°	3400.9	3311.0	3303.1	3325.5	3336.8	3359.0	3436.1	3395.7	3407.9	3423.8	3421.9



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3435.8	3351.2	3341.1	3363.7	3374.5	3397.9	3473.7	3432.6	3445.5	3463.7	3461.5
46°	3468.7	3394.0	3381.8	3404.4	3415.1	3438.0	3509.0	3472.7	3485.7	3504.7	3502.9
47°	3499.5	3439.3	3425.6	3445.1	3456.1	3480.2	3542.0	3514.4	3526.6	3547.5	3544.8
48°	3530.2	3487.1	3470.3	3488.0	3497.2	3522.0	3574.6	3557.1	3568.8	3591.6	3589.5
49°	3562.5	3537.1	3516.5	3532.8	3541.3	3564.7	3605.6	3599.1	3610.4	3635.4	3635.3
50°	3596.6	3589.9	3564.6	3578.4	3588.0	3609.6	3635.3	3642.5	3654.2	3681.0	3682.8
51°	3632.6	3643.6	3615.4	3626.2	3632.9	3653.9	3663.8	3685.5	3698.0	3727.5	3731.5
52°	3668.5	3698.9	3667.5	3676.5	3681.7	3699.4	3689.8	3729.5	3743.3	3775.4	3781.5
53°	3709.4	3756.1	3721.0	3731.0	3729.9	3741.9	3714.8	3770.8	3789.0	3825.1	3833.4
54°	3752.8	3812.2	3777.9	3786.0	3779.1	3781.9	3741.0	3810.6	3837.0	3875.5	3885.8
55°	3797.0	3867.2	3836.9	3843.7	3828.3	3820.5	3766.6	3848.3	3883.0	3928.9	3939.1
56°	3841.1	3921.0	3897.0	3903.6	3878.7	3860.0	3792.7	3885.1	3928.9	3983.1	3991.7
57°	3884.4	3972.1	3958.3	3963.8	3928.5	3898.4	3818.5	3920.0	3976.0	4040.8	4043.6
58°	3924.8	4020.8	4018.4	4027.8	3978.7	3932.4	3844.0	3952.0	4021.6	4099.3	4091.9
59°	3967.4	4063.6	4080.9	4091.9	4028.2	3962.2	3866.2	3981.9	4066.3	4159.4	4135.9
60°	4007.4	4105.2	4142.5	4158.3	4076.9	3988.6	3884.7	4008.2	4110.3	4220.7	4177.5
61°	4041.6	4141.0	4207.7	4225.4	4123.3	4009.4	3899.1	4029.0	4155.5	4283.2	4221.9
62°	4070.7	4172.0	4271.8	4291.8	4170.8	4023.5	3908.9	4046.3	4200.3	4344.1	4268.2
63°	4100.5	4201.9	4335.8	4358.6	4218.0	4034.5	3915.9	4060.8	4243.5	4403.8	4311.4
64°	4137.8	4230.5	4397.9	4426.1	4260.8	4040.4	3918.8	4069.9	4285.9	4462.7	4351.9
65°	4178.7	4264.3	4461.1	4494.9	4303.6	4044.3	3919.0	4076.6	4327.2	4516.1	4389.6
66°	4203.4	4300.5	4520.8	4560.1	4343.3	4045.9	3908.2	4077.7	4364.1	4566.4	4427.7
67°	4207.7	4328.7	4571.9	4620.6	4374.7	4038.1	3886.6	4067.9	4395.5	4608.8	4460.3
68°	4205.0	4337.8	4619.8	4678.7	4405.3	4009.8	3833.5	4044.7	4421.4	4645.3	4485.1
69°	4159.0	4324.4	4664.2	4727.0	4421.8	3957.9	3717.4	3994.8	4437.9	4671.3	4489.8
70°	3996.4	4275.7	4692.5	4763.2	4419.5	3854.1	3533.3	3902.0	4436.4	4687.8	4479.2
71°	3672.9	4141.0	4692.5	4781.6	4399.8	3693.7	3259.9	3750.8	4407.7	4687.0	4453.3
72°	3250.0	3885.6	4652.0	4776.5	4353.9	3479.2	2968.7	3529.7	4349.9	4666.5	4387.7
73°	2841.1	3530.7	4571.9	4749.0	4277.3	3224.9	2707.9	3257.3	4254.1	4607.6	4280.0
74°	2446.4	3134.4	4441.1	4683.0	4156.7	2973.7	2490.7	2975.0	4122.9	4503.1	4119.4
75°	1861.9	2694.5	4239.2	4552.2	4012.5	2725.3	2238.1	2711.0	3948.1	4342.5	3862.3
76°	1085.1	2122.1	3933.6	4356.2	3825.5	2410.9	1794.9	2431.8	3733.2	4123.3	3512.4
77°	426.9	1349.3	3523.2	4035.7	3575.6	1931.7	1263.5	1994.0	3464.8	3796.1	3092.6
78°	311.5	612.5	3012.0	3571.0	3207.8	1290.3	732.1	1412.9	3121.4	3328.5	2577.4
79°	206.9	435.0	2321.6	2954.5	2694.9	641.5	205.6	831.8	2634.0	2696.3	1888.6
80°	102.3	271.9	1438.1	2189.2	1995.2	456.5	116.6	255.9	1968.4	1964.0	1340.6
81°	90.8	108.7	681.0	1387.4	1166.0	281.9	102.9	127.7	1380.6	1380.8	792.5
82°	80.3	93.6	490.4	621.6	500.3	107.3	89.2	105.6	792.7	797.6	247.2
83°	70.1	80.2	302.7	456.0	360.8	87.1	75.6	91.0	209.5	215.0	133.7
84°	59.5	67.4	114.9	294.9	229.7	73.5	64.8	76.4	123.7	137.2	101.9
85°	48.6	54.9	86.8	133.8	98.5	60.4	53.7	63.2	97.0	114.4	70.4
86°	36.0	43.1	66.3	106.1	72.5	47.8	42.6	50.4	70.4	91.2	49.9
87°	24.5	32.0	50.3	79.0	55.6	36.6	31.0	39.0	53.4	68.0	34.9
88°	13.0	20.9	34.7	49.1	39.8	25.4	20.0	28.1	38.2	42.6	21.6
89°	5.3	9.9	18.6	25.8	21.7	14.3	14.0	19.5	26.3	29.3	15.3



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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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6	2434.6
1°	2435.6	2436.6	2437.2	2437.6	2437.8	2438.2	2438.3	2436.0	2435.8	2435.6	2434.8
2°	2437.8	2439.8	2440.7	2441.8	2441.7	2442.4	2442.0	2440.2	2439.3	2438.1	2436.5
3°	2442.2	2444.2	2445.9	2446.7	2447.1	2447.3	2447.0	2445.1	2443.3	2441.6	2439.3
4°	2447.4	2449.7	2451.6	2452.8	2453.6	2453.9	2452.9	2449.9	2448.2	2446.2	2443.1
5°	2453.2	2455.9	2458.1	2460.1	2460.8	2460.7	2459.4	2456.2	2453.4	2451.2	2447.7
6°	2460.0	2463.4	2465.7	2467.8	2468.9	2468.7	2467.4	2463.6	2460.7	2457.0	2452.5
7°	2468.8	2472.2	2474.6	2477.1	2478.1	2478.0	2476.2	2472.6	2468.6	2464.5	2458.7
8°	2479.1	2482.2	2485.1	2488.2	2488.7	2488.6	2486.7	2482.3	2478.1	2473.7	2466.4
9°	2491.2	2493.9	2497.0	2500.2	2501.0	2499.8	2497.3	2492.9	2488.9	2484.2	2475.6
10°	2503.6	2506.6	2509.6	2513.7	2514.4	2512.8	2510.4	2506.3	2501.3	2495.2	2486.2
11°	2518.6	2522.0	2525.0	2528.5	2529.9	2528.5	2525.6	2521.9	2516.5	2508.4	2498.4
12°	2535.1	2538.7	2541.8	2545.0	2547.4	2546.4	2543.2	2540.1	2533.8	2524.3	2511.6
13°	2553.3	2557.0	2559.7	2563.3	2566.2	2565.7	2562.2	2559.0	2552.3	2542.2	2526.8
14°	2572.1	2575.9	2579.1	2583.1	2586.8	2587.0	2582.4	2578.7	2571.6	2560.6	2543.7
15°	2592.2	2596.7	2599.2	2604.8	2609.1	2608.6	2604.1	2600.4	2592.5	2579.9	2562.9
16°	2614.3	2618.4	2621.7	2627.6	2634.0	2632.7	2627.4	2624.7	2615.2	2600.9	2583.0
17°	2636.8	2641.1	2644.7	2651.8	2659.0	2656.8	2651.9	2649.4	2639.7	2623.9	2604.0
18°	2659.6	2663.5	2667.7	2676.5	2684.7	2682.2	2677.8	2675.4	2664.4	2647.3	2625.9
19°	2683.5	2686.8	2691.5	2701.9	2710.9	2708.1	2704.2	2701.9	2690.0	2672.5	2648.6
20°	2707.6	2709.9	2716.3	2727.2	2738.1	2735.4	2731.9	2729.2	2716.7	2697.4	2672.1
21°	2731.9	2733.7	2742.3	2754.3	2767.3	2763.6	2760.7	2757.7	2745.6	2723.1	2696.9
22°	2756.2	2758.0	2767.8	2780.6	2795.5	2792.6	2790.5	2784.7	2773.6	2749.1	2722.1
23°	2781.2	2782.6	2794.1	2808.8	2824.2	2821.4	2820.1	2811.7	2802.0	2777.2	2748.6
24°	2807.0	2808.8	2821.3	2835.9	2852.4	2851.8	2849.3	2838.0	2829.9	2805.7	2774.9
25°	2833.6	2835.9	2849.4	2864.6	2880.6	2882.1	2877.8	2865.2	2858.3	2833.1	2801.5
26°	2860.7	2864.6	2878.5	2894.1	2909.0	2913.0	2908.3	2892.7	2886.7	2860.2	2827.1
27°	2888.8	2893.8	2908.5	2922.8	2936.7	2943.5	2938.1	2920.8	2916.0	2888.0	2853.5
28°	2918.1	2925.2	2938.9	2951.4	2966.2	2974.9	2968.9	2951.6	2945.4	2915.9	2881.9
29°	2948.1	2957.5	2970.5	2980.0	2995.8	3006.0	3000.3	2985.0	2975.4	2944.2	2910.0
30°	2978.5	2990.4	3001.8	3009.4	3026.1	3036.6	3032.5	3018.6	3006.3	2972.0	2938.7
31°	3008.7	3025.0	3033.1	3039.9	3057.1	3066.3	3064.5	3052.4	3036.5	3001.0	2967.8
32°	3039.3	3060.3	3065.0	3070.2	3087.6	3096.5	3094.5	3083.0	3065.4	3029.5	2998.7
33°	3069.8	3096.8	3096.4	3100.3	3117.9	3125.1	3124.5	3113.8	3093.0	3058.9	3029.3
34°	3101.6	3132.5	3127.1	3131.5	3147.9	3152.9	3152.6	3144.8	3120.8	3087.3	3059.8
35°	3132.7	3170.1	3158.0	3162.7	3177.8	3180.4	3180.7	3176.3	3146.3	3115.9	3089.9
36°	3164.8	3208.1	3189.4	3193.9	3207.1	3208.6	3206.7	3207.9	3170.3	3143.5	3119.2
37°	3196.1	3245.6	3219.8	3225.8	3236.4	3237.6	3232.8	3242.5	3196.7	3171.8	3149.3
38°	3226.1	3283.6	3248.8	3257.0	3267.6	3266.8	3260.5	3279.4	3224.4	3199.8	3180.2
39°	3256.1	3323.3	3279.1	3287.8	3301.4	3297.5	3288.3	3317.9	3252.8	3230.6	3210.4
40°	3288.8	3364.2	3312.0	3320.7	3335.8	3328.5	3319.0	3357.8	3283.4	3262.6	3240.8
41°	3323.5	3403.8	3348.3	3354.5	3370.7	3361.7	3350.3	3400.1	3318.0	3296.3	3273.8
42°	3358.8	3443.1	3385.5	3390.0	3408.0	3396.0	3386.0	3442.4	3355.4	3330.1	3309.9
43°	3394.5	3481.8	3423.9	3427.6	3446.2	3431.2	3426.7	3483.1	3396.5	3366.3	3347.0
44°	3433.7	3519.0	3463.7	3466.1	3485.4	3468.4	3468.0	3519.6	3437.9	3403.4	3386.0



REPORT NUMBER: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3474.4	3555.9	3505.2	3506.0	3526.1	3508.1	3510.6	3552.9	3479.2	3444.6	3426.8
46°	3519.0	3593.6	3549.5	3548.1	3565.5	3550.2	3551.0	3586.6	3520.6	3487.9	3469.5
47°	3565.4	3630.6	3597.4	3591.9	3607.6	3594.6	3594.5	3619.2	3563.5	3533.2	3513.0
48°	3615.7	3663.6	3645.4	3635.9	3649.5	3640.5	3639.6	3648.7	3607.7	3577.8	3557.8
49°	3666.1	3697.3	3695.3	3680.6	3694.0	3686.7	3685.3	3675.5	3653.3	3622.3	3604.1
50°	3716.0	3732.1	3745.4	3728.4	3740.3	3733.8	3731.6	3702.0	3699.0	3666.9	3652.5
51°	3766.2	3768.7	3795.4	3776.0	3787.4	3778.5	3775.8	3728.6	3744.7	3713.3	3703.3
52°	3817.1	3803.9	3846.1	3827.5	3837.8	3824.5	3819.6	3755.7	3786.1	3760.5	3755.1
53°	3868.4	3837.6	3896.8	3878.5	3888.8	3870.8	3859.9	3781.8	3826.3	3807.5	3809.3
54°	3917.5	3870.5	3944.2	3931.6	3941.8	3918.3	3897.4	3808.3	3865.5	3855.5	3866.0
55°	3962.6	3903.6	3987.4	3985.0	3996.4	3963.8	3931.2	3833.1	3901.2	3900.0	3924.3
56°	4000.0	3934.4	4024.7	4038.1	4052.6	4009.4	3961.9	3856.6	3933.2	3946.9	3984.6
57°	4031.4	3964.6	4058.9	4092.7	4112.3	4053.4	3990.9	3878.7	3960.3	3994.1	4045.9
58°	4059.7	3993.3	4088.7	4140.6	4171.2	4096.6	4016.1	3899.4	3984.6	4037.3	4106.8
59°	4086.0	4020.4	4115.8	4183.8	4230.9	4139.0	4038.1	3914.1	4005.8	4080.9	4168.1
60°	4109.9	4044.3	4138.2	4228.2	4293.4	4178.7	4054.9	3924.6	4022.7	4127.6	4231.7
61°	4128.8	4065.9	4155.5	4275.7	4352.7	4217.6	4067.9	3935.9	4034.9	4172.4	4296.9
62°	4142.5	4087.9	4170.4	4321.7	4411.2	4258.4	4075.8	3943.8	4045.5	4215.2	4362.5
63°	4158.3	4108.4	4186.1	4362.5	4466.2	4299.7	4081.7	3945.0	4053.4	4258.4	4428.1
64°	4172.8	4128.8	4204.2	4397.5	4520.4	4337.4	4083.6	3941.0	4056.9	4298.9	4491.7
65°	4186.1	4132.7	4216.0	4429.7	4569.5	4373.5	4079.3	3926.0	4052.6	4335.4	4550.3
66°	4191.3	4105.2	4212.1	4463.9	4613.5	4405.7	4065.2	3891.8	4039.6	4367.6	4605.3
67°	4178.7	4071.8	4193.6	4489.8	4650.8	4425.0	4031.8	3834.1	4004.7	4394.7	4657.9
68°	4155.5	4016.5	4167.3	4508.2	4676.0	4426.9	3983.5	3725.6	3947.3	4410.4	4706.2
69°	4104.4	3886.9	4108.4	4505.9	4690.1	4412.0	3903.0	3528.5	3849.4	4404.2	4741.6
70°	4002.3	3665.2	3990.9	4483.5	4690.5	4379.4	3767.7	3245.6	3682.8	4374.3	4764.4
71°	3825.0	3333.6	3792.8	4434.8	4671.7	4321.3	3556.7	2938.6	3446.4	4321.3	4769.1
72°	3540.1	2925.6	3485.6	4349.2	4622.9	4241.9	3284.3	2692.5	3170.8	4241.9	4749.4
73°	3154.5	2497.4	3106.6	4226.6	4523.6	4122.9	3009.7	2486.1	2913.1	4109.9	4691.3
74°	2718.5	2067.6	2679.3	4032.2	4366.4	3965.8	2755.7	2223.6	2659.0	3942.6	4580.5
75°	2256.7	1528.9	2194.8	3733.0	4170.0	3768.6	2463.8	1746.3	2353.9	3737.2	4410.4
76°	1733.6	967.0	1658.2	3355.2	3899.7	3514.5	2029.3	1105.2	1886.7	3479.1	4158.3
77°	1233.6	405.9	1182.9	2901.5	3501.8	3167.9	1431.3	499.9	1271.9	3144.8	3767.8
78°	733.7	168.2	707.6	2334.0	2949.0	2694.8	833.3	364.7	631.2	2691.4	3182.0
79°	242.2	107.7	233.4	1623.5	2281.2	2071.2	238.0	233.7	446.7	2054.9	2450.3
80°	126.6	91.9	126.4	1040.1	1621.1	1461.0	127.9	102.6	277.8	1258.8	1660.1
81°	105.9	76.1	105.3	456.8	960.9	850.7	108.3	88.7	109.0	560.3	859.0
82°	85.3	64.7	84.2	187.3	315.0	250.5	94.6	77.6	90.2	400.3	296.0
83°	64.7	54.3	63.3	146.1	159.0	137.7	80.9	66.6	77.3	251.9	217.1
84°	52.4	44.9	51.1	104.8	129.1	112.3	67.2	55.4	64.1	103.6	139.2
85°	40.3	34.4	38.7	64.0	105.0	86.9	54.6	43.7	51.4	77.3	116.5
86°	29.1	23.3	27.5	45.9	80.9	61.6	42.8	32.7	39.7	59.5	92.0
87°	20.6	16.1	19.5	30.7	56.9	45.6	31.8	21.7	28.5	44.1	63.0
88°	12.1	9.0	11.4	21.4	38.8	31.2	22.0	10.8	17.3	35.6	31.9
89°	3.7	2.0	3.5	12.0	20.8	21.7	12.1	3.4	6.0	27.0	24.3



REPORT NUMBER: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2434.6	2434.6	2434.6
1°	2434.3	2433.5	2434.2
2°	2435.2	2434.0	2434.0
3°	2436.9	2435.6	2435.5
4°	2439.9	2438.1	2437.1
5°	2443.9	2441.0	2439.5
6°	2448.5	2444.9	2443.5
7°	2454.2	2450.0	2448.1
8°	2460.5	2455.6	2453.6
9°	2468.3	2462.9	2460.5
10°	2477.2	2471.8	2468.9
11°	2488.5	2481.7	2479.5
12°	2500.9	2493.7	2490.9
13°	2514.0	2506.3	2503.8
14°	2528.4	2520.6	2518.2
15°	2545.2	2537.1	2534.6
16°	2563.9	2554.7	2551.6
17°	2583.6	2573.3	2569.6
18°	2604.2	2592.1	2587.9
19°	2626.1	2612.2	2606.8
20°	2648.7	2632.9	2626.9
21°	2672.3	2654.6	2647.0
22°	2696.1	2676.9	2667.5
23°	2720.7	2701.2	2689.2
24°	2745.5	2726.2	2711.7
25°	2771.1	2752.6	2736.0
26°	2797.2	2779.7	2760.5
27°	2823.9	2807.2	2787.2
28°	2851.4	2834.9	2815.1
29°	2879.0	2863.2	2844.0
30°	2907.1	2892.2	2875.3
31°	2935.8	2921.9	2907.7
32°	2965.2	2950.0	2940.4
33°	2995.3	2979.9	2975.6
34°	3025.3	3010.4	3012.4
35°	3056.4	3040.9	3049.6
36°	3087.7	3070.1	3086.8
37°	3117.3	3098.4	3125.4
38°	3148.3	3125.9	3164.7
39°	3178.9	3153.7	3204.0
40°	3209.5	3183.6	3244.7
41°	3241.0	3217.6	3286.9
42°	3274.8	3254.0	3327.7
43°	3310.5	3292.7	3365.5
44°	3349.7	3333.6	3400.9



REPORT NUMBER: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3390.5	3375.9	3435.8
46°	3435.3	3419.3	3468.7
47°	3481.0	3466.7	3499.5
48°	3526.8	3515.0	3530.2
49°	3575.3	3566.2	3562.5
50°	3623.9	3619.6	3596.6
51°	3676.1	3674.3	3632.6
52°	3729.7	3731.5	3668.5
53°	3783.8	3786.6	3709.4
54°	3842.0	3843.7	3752.8
55°	3900.1	3898.9	3797.0
56°	3959.5	3953.2	3841.1
57°	4019.6	4005.5	3884.4
58°	4081.3	4052.2	3924.8
59°	4144.1	4094.2	3967.4
60°	4208.9	4134.7	4007.4
61°	4272.2	4175.5	4041.6
62°	4335.4	4215.2	4070.7
63°	4399.4	4247.0	4100.5
64°	4461.9	4271.4	4137.8
65°	4524.7	4301.2	4178.7
66°	4585.2	4342.1	4203.4
67°	4638.7	4369.2	4207.7
68°	4676.4	4372.3	4205.0
69°	4714.1	4350.3	4159.0
70°	4736.1	4297.3	3996.4
71°	4723.5	4166.5	3672.9
72°	4659.9	3906.7	3250.0
73°	4570.3	3540.8	2841.1
74°	4432.0	3132.0	2446.4
75°	4174.4	2674.9	1861.9
76°	3821.4	2095.4	1085.1
77°	3396.2	1350.7	426.9
78°	2851.5	635.4	311.5
79°	2084.5	450.5	206.9
80°	1154.8	282.2	102.3
81°	513.2	113.9	90.8
82°	369.7	93.7	80.3
83°	237.0	80.2	70.1
84°	104.3	67.1	59.5
85°	79.6	53.8	48.6
86°	61.9	41.5	36.0
87°	45.5	30.3	24.5
88°	36.6	19.1	13.0
89°	27.8	7.9	5.3



REPORT NUMBER: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436822

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)