

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: P1436824

Luminaire Tested: XAS300-SFPM (5000K-120W-T5-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436824
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-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 17071.3 lumens
Efficiency: 46.2%
Efficacy: 135.4 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

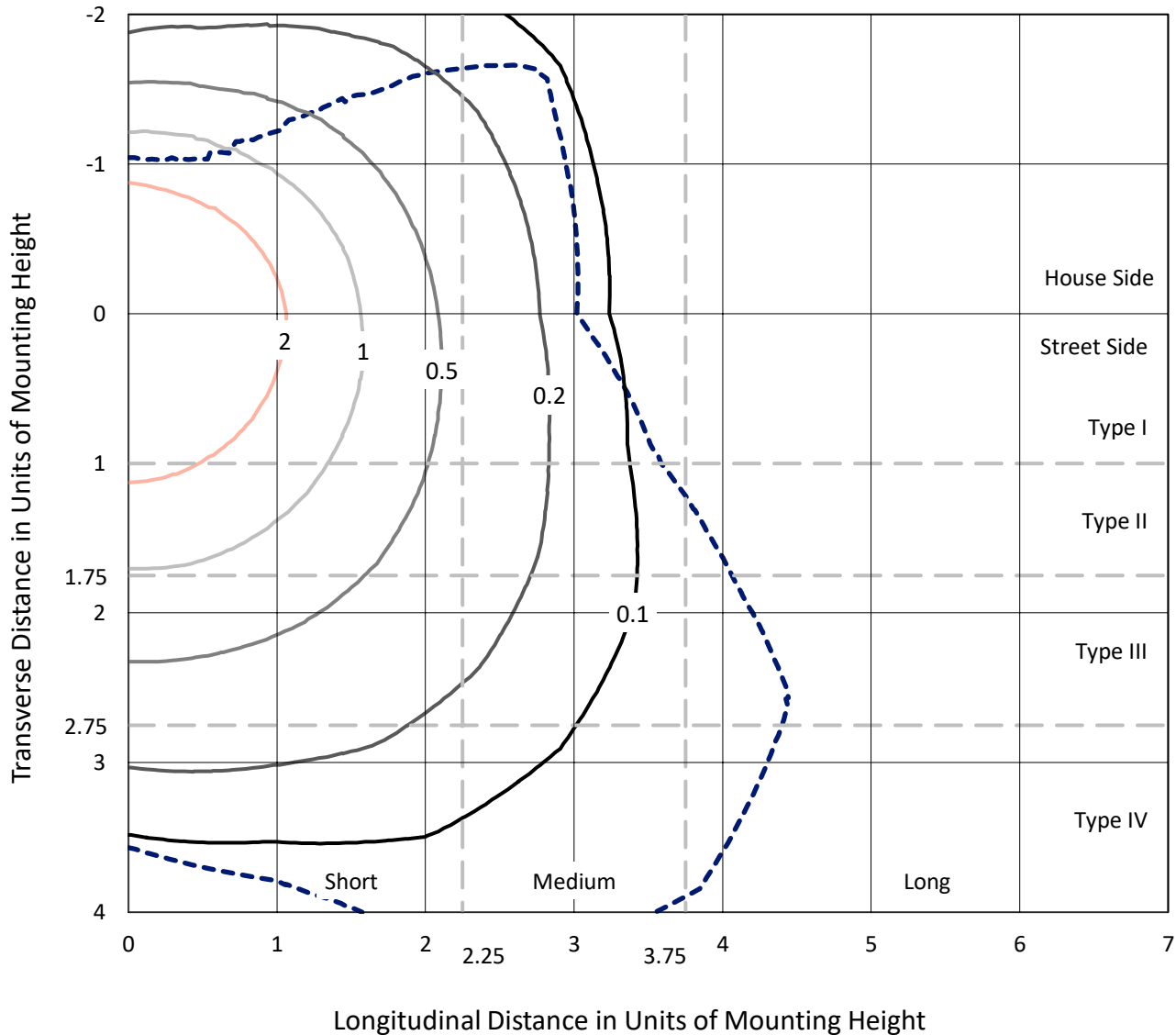
Input Watts (W): 126.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

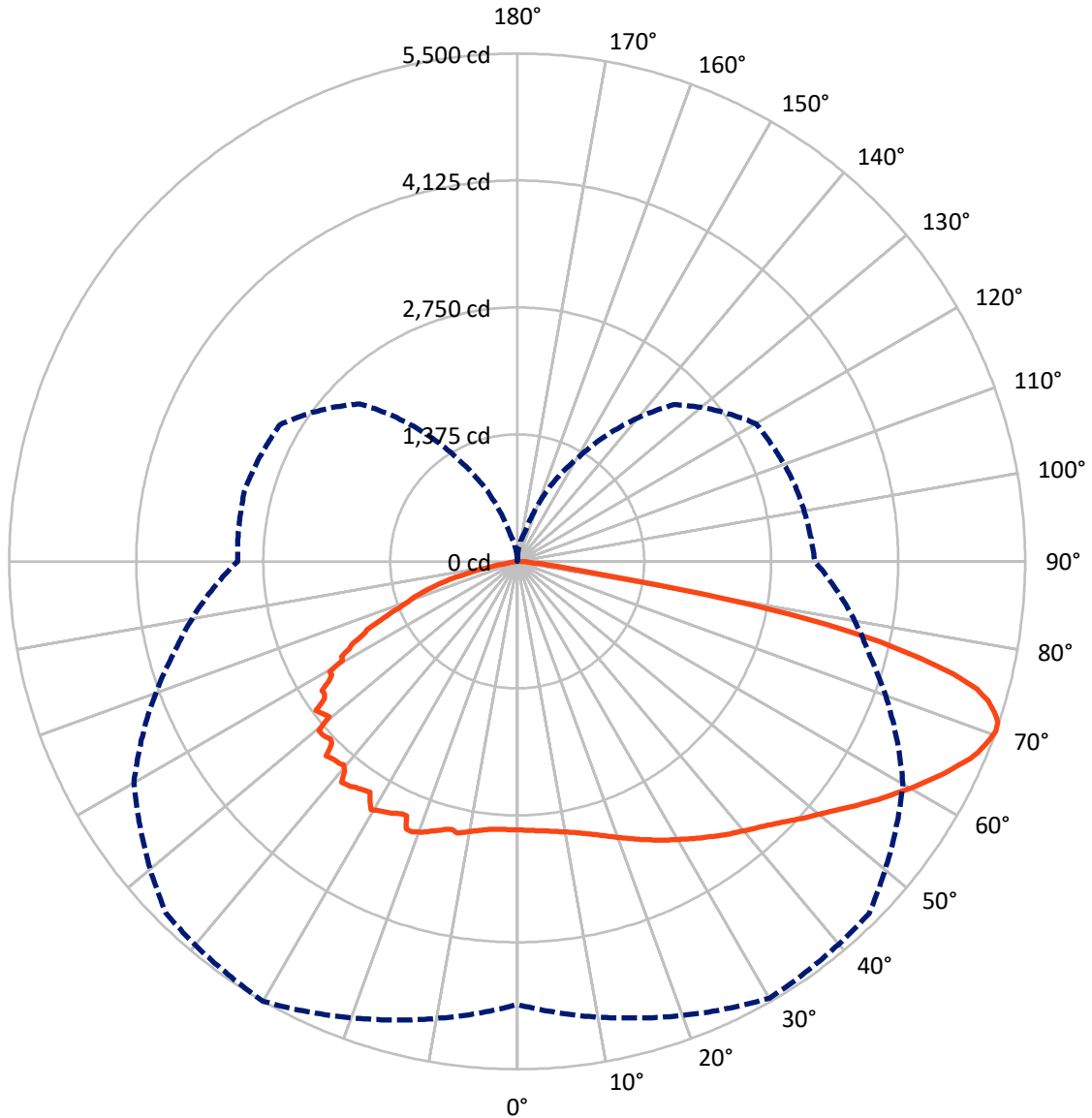


Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - Full Cutoff

REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

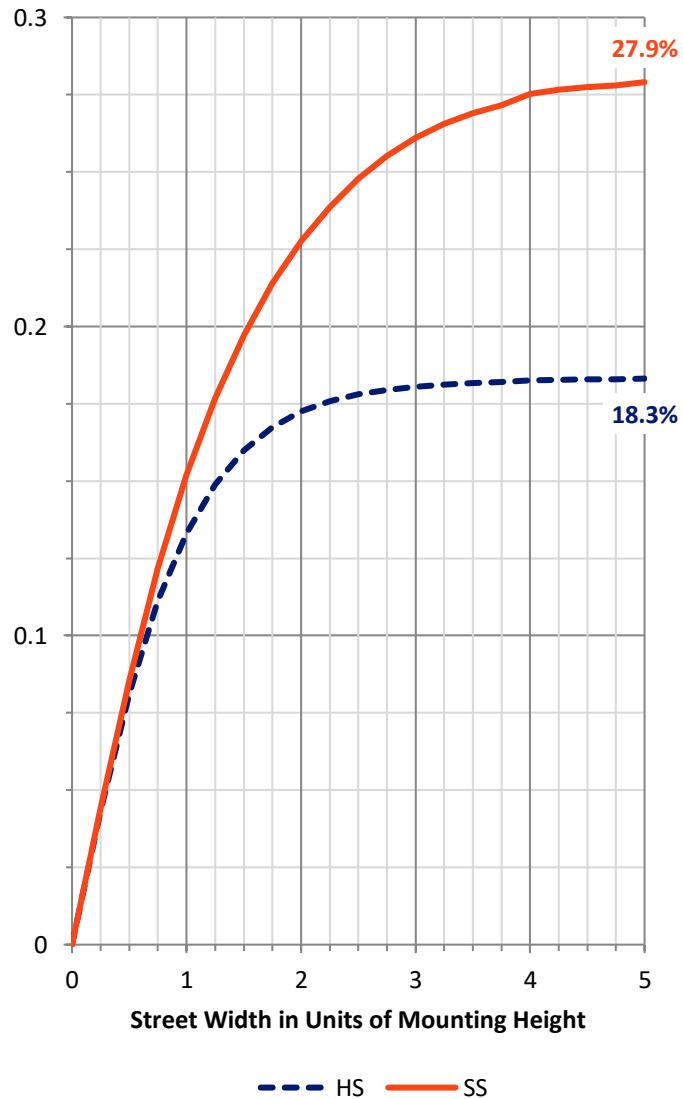
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6779.3	0.0	6779.3
	% Lamp	18.4	0.0	18.4
Street Side	Lumens	10292.0	0.0	10292.0
	% Lamp	27.9	0.0	27.9
Total	Lumens	17071.3	0.0	17071.3
	% Lamp	46.2	0.0	46.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	280.8	1.6	0.8
10°-20°	868.1	5.1	2.4
20°-30°	1500.9	8.8	4.1
30°-40°	2150.8	12.6	5.8
40°-50°	2780.6	16.3	7.5
50°-60°	3346.2	19.6	9.1
60°-70°	3581.9	21.0	9.7
70°-80°	2408.7	14.1	6.5
80°-90°	153.4	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°	17071.3	100.0	46.2
0°-180°	17071.3	100.0	46.2

Coefficient of Utilization



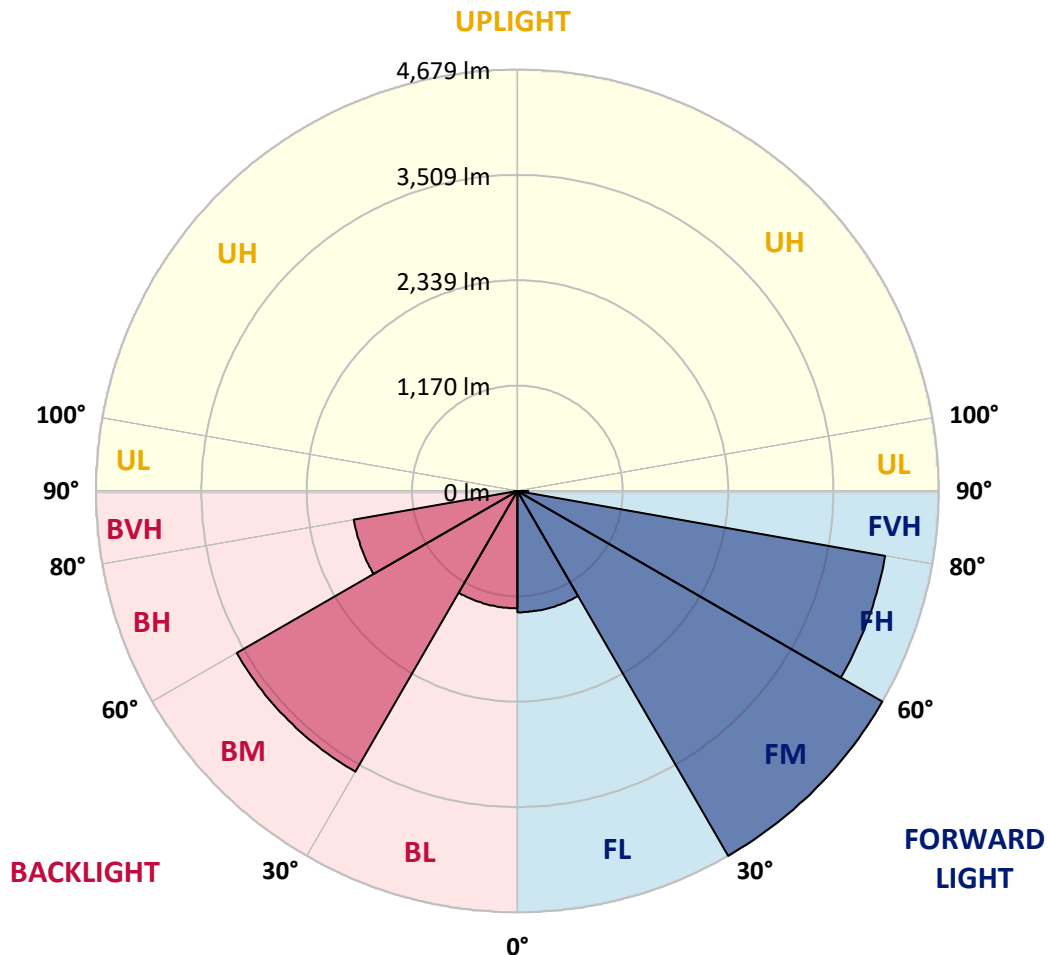
REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1346.9	3.6			
FM (30°-60°)	4678.9	12.7			
FH (60°-80°)	4146.3	11.2			G2/5000
FVH (80°-90°)	119.9	0.3			G2/225
BL (0°-30°)	1302.9	3.5	B3/2500		
BM (30°-60°)	3598.6	9.7	B3/5000		
BH (60°-80°)	1844.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	33.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	19860.7	53.8			

BUG Rating: B3-U0-G3
 Type IV Medium





REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9
1°	2911.1	2911.3	2910.5	2911.2	2910.7	2909.8	2908.5	2907.5	2906.9	2907.0	2906.9
2°	2914.4	2914.2	2913.3	2913.5	2912.3	2911.0	2909.3	2907.9	2906.4	2906.3	2906.4
3°	2918.9	2918.2	2916.9	2916.7	2915.7	2914.7	2911.5	2909.5	2907.7	2906.8	2906.8
4°	2923.8	2922.7	2921.7	2922.2	2920.8	2920.4	2916.7	2913.2	2910.5	2909.0	2908.4
5°	2929.6	2928.4	2928.2	2928.8	2929.0	2928.8	2924.4	2919.9	2915.1	2912.4	2911.5
6°	2936.1	2935.1	2935.1	2937.5	2938.7	2937.5	2932.9	2928.2	2921.3	2916.7	2915.5
7°	2943.7	2942.7	2943.2	2947.2	2948.5	2946.8	2941.8	2936.9	2929.5	2923.6	2924.4
8°	2952.2	2951.6	2953.1	2957.8	2959.2	2958.1	2952.7	2946.7	2938.9	2934.3	2936.3
9°	2962.2	2961.7	2964.6	2969.3	2972.2	2970.3	2964.5	2956.7	2949.0	2947.9	2949.2
10°	2974.0	2973.4	2976.8	2982.4	2985.7	2983.2	2976.4	2967.4	2959.6	2963.6	2964.2
11°	2987.8	2986.7	2990.6	2997.4	3000.1	2997.4	2989.8	2979.8	2973.1	2979.7	2979.1
12°	3002.3	3000.9	3005.9	3013.1	3015.5	3013.0	2999.5	2988.9	2990.0	2997.1	2995.7
13°	3019.0	3016.6	3021.9	3030.6	3032.2	3023.2	3008.4	2997.1	3000.6	3014.8	3013.1
14°	3037.7	3034.4	3039.1	3048.5	3050.8	3035.8	3021.1	3006.8	3013.6	3033.3	2989.6
15°	3057.9	3054.4	3058.4	3067.3	3064.8	3050.5	3036.0	3021.1	3026.2	3046.6	2995.3
16°	3079.4	3075.5	3080.2	3088.2	3081.4	3067.3	3057.3	3040.6	3042.7	3054.4	3016.4
17°	3101.3	3096.7	3102.7	3109.6	3099.7	3089.5	3074.5	3056.4	3061.7	3038.3	3038.2
18°	3124.8	3119.8	3126.0	3134.6	3116.3	3110.9	3095.4	3075.3	3079.0	3045.5	3061.8
19°	3148.1	3143.5	3150.6	3157.9	3137.0	3131.8	3120.8	3101.4	3100.4	3066.2	3087.2
20°	3172.5	3167.7	3176.4	3178.2	3160.6	3154.0	3148.8	3128.5	3126.6	3083.9	3111.3
21°	3196.9	3193.1	3202.9	3201.3	3185.4	3182.3	3176.7	3152.2	3152.0	3104.0	3128.0
22°	3221.9	3219.4	3230.4	3226.1	3208.4	3212.0	3198.3	3166.6	3166.9	3130.3	3142.1
23°	3249.4	3247.7	3258.9	3251.3	3235.7	3241.9	3211.4	3183.5	3162.0	3156.1	3135.9
24°	3276.8	3277.1	3287.4	3276.0	3261.9	3265.5	3227.4	3212.6	3172.4	3175.2	3006.4
25°	3306.2	3307.6	3317.1	3303.5	3291.1	3284.6	3253.0	3230.2	3192.6	3194.2	3006.2
26°	3336.5	3338.5	3347.6	3329.9	3321.1	3303.6	3276.1	3251.7	3210.2	3217.4	3024.7
27°	3368.6	3372.1	3379.6	3360.8	3350.9	3324.8	3294.2	3280.6	3237.5	3230.0	3045.7
28°	3402.7	3407.0	3412.3	3389.5	3380.1	3354.3	3319.7	3308.9	3264.4	3171.1	3062.3
29°	3438.3	3441.4	3444.2	3417.1	3406.4	3384.7	3351.7	3331.2	3278.7	3101.3	3079.8
30°	3475.9	3476.3	3473.9	3444.9	3432.4	3407.2	3385.0	3346.9	3291.7	3112.1	3098.5
31°	3514.1	3511.1	3503.1	3477.4	3452.6	3433.4	3413.1	3369.2	3316.0	3115.5	3119.9
32°	3554.4	3546.7	3535.0	3507.4	3476.0	3460.4	3430.9	3395.0	3341.4	3129.2	3052.2
33°	3597.6	3582.6	3566.6	3536.9	3500.5	3491.1	3453.1	3420.8	3351.3	3150.9	2964.8
34°	3640.9	3618.2	3597.3	3569.8	3530.6	3521.5	3482.2	3435.2	3370.4	3174.6	2977.9
35°	3685.9	3655.1	3630.8	3604.0	3561.2	3550.3	3513.3	3457.0	3385.6	3194.0	2990.5
36°	3730.5	3690.1	3662.6	3637.1	3590.3	3572.5	3545.9	3480.6	3401.4	3204.1	3008.8
37°	3776.8	3724.2	3695.0	3670.1	3616.0	3589.0	3570.1	3498.6	3403.3	3208.0	3033.3
38°	3824.3	3757.5	3726.1	3704.4	3645.3	3611.4	3599.7	3519.7	3335.4	3120.0	3045.4
39°	3871.5	3791.2	3759.3	3734.8	3671.6	3638.4	3638.2	3535.2	3283.0	3082.9	3054.3
40°	3922.6	3826.9	3790.7	3765.0	3703.8	3669.5	3674.2	3557.4	3307.6	3109.3	2937.9
41°	3972.3	3866.1	3823.4	3797.8	3739.8	3703.5	3707.5	3567.5	3336.0	3132.8	2895.8
42°	4022.3	3909.3	3860.9	3827.8	3777.2	3739.1	3740.5	3576.5	3363.5	3129.2	2917.0
43°	4067.8	3955.7	3900.8	3862.5	3815.4	3765.1	3769.1	3602.8	3352.5	3138.4	2919.6
44°	4111.2	4004.4	3942.5	3898.7	3854.3	3798.9	3797.4	3623.8	3355.5	3161.3	2935.2



REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	4152.9	4054.0	3984.6	3935.7	3888.6	3835.2	3827.8	3659.6	3378.3	3177.0	2951.0
46°	4192.3	4105.2	4029.5	3978.5	3924.0	3878.4	3850.0	3662.8	3404.9	3083.4	2815.1
47°	4229.7	4158.5	4077.5	4024.7	3963.4	3917.7	3871.8	3651.9	3411.6	3031.6	2790.7
48°	4266.3	4215.7	4127.7	4073.7	4003.7	3955.7	3903.4	3672.3	3414.9	3048.4	2814.2
49°	4305.1	4275.9	4181.5	4123.3	4048.6	3997.7	3932.9	3702.3	3342.9	3078.9	2823.0
50°	4345.5	4339.0	4236.0	4169.1	4095.9	4038.5	3961.7	3721.0	3333.7	3092.5	2821.9
51°	4387.7	4402.6	4292.8	4218.4	4144.0	4075.9	3986.0	3732.7	3345.5	3098.5	2641.0
52°	4430.7	4469.0	4351.7	4272.7	4195.5	4114.6	3985.0	3752.7	3356.9	2987.5	2662.4
53°	4478.4	4536.3	4410.9	4328.7	4244.8	4151.5	3960.7	3763.9	3391.2	2974.3	2690.7
54°	4530.9	4603.0	4476.5	4387.6	4288.1	4184.6	3954.7	3763.4	3392.5	2988.1	2712.7
55°	4582.4	4668.2	4544.2	4450.3	4333.3	4210.8	3965.3	3763.4	3392.0	2996.4	2561.6
56°	4634.9	4731.5	4613.1	4517.6	4380.4	4240.5	3981.2	3755.9	3373.4	2956.8	2529.8
57°	4685.3	4792.5	4683.0	4583.8	4430.1	4274.9	3989.7	3751.6	3299.9	2858.2	2536.6
58°	4734.3	4848.9	4753.7	4653.9	4478.9	4306.6	3987.8	3711.7	3310.2	2893.8	2422.2
59°	4782.4	4900.2	4824.9	4722.3	4526.1	4332.6	3983.6	3713.0	3305.5	2931.0	2354.2
60°	4829.5	4948.8	4894.7	4792.5	4570.2	4355.0	3982.0	3682.7	3292.0	2917.9	2356.1
61°	4869.3	4990.4	4965.9	4859.1	4615.2	4367.3	3970.2	3651.4	3262.6	2819.2	2173.4
62°	4903.9	5026.9	5035.7	4922.9	4660.8	4358.8	3941.1	3613.4	3223.0	2806.8	2164.8
63°	4937.2	5059.7	5104.5	4988.5	4701.9	4322.7	3906.8	3571.7	3210.3	2764.2	2051.6
64°	4980.7	5091.1	5175.3	5057.9	4733.4	4289.5	3863.1	3531.7	3174.4	2706.6	1988.8
65°	5026.0	5130.0	5240.9	5129.0	4768.0	4263.0	3820.6	3484.0	3100.6	2681.9	1844.9
66°	5053.2	5171.1	5299.1	5192.4	4801.3	4248.5	3763.4	3443.8	3111.9	2605.0	1789.8
67°	5056.9	5201.1	5349.1	5252.9	4821.6	4225.6	3694.7	3381.3	3131.1	2564.5	1636.8
68°	5051.8	5205.8	5398.5	5310.7	4836.4	4180.0	3584.5	3316.0	3146.3	2509.5	1521.1
69°	4992.7	5184.5	5440.6	5357.8	4836.0	4101.9	3454.8	3236.2	3064.2	2457.2	1373.9
70°	4797.6	5119.3	5460.5	5389.3	4822.1	3954.4	3222.3	3120.3	2983.4	2400.7	1274.6
71°	4415.5	4951.1	5443.8	5397.1	4789.3	3754.3	2919.9	2951.8	2918.7	2324.8	1212.1
72°	3922.1	4639.5	5387.4	5376.3	4738.9	3497.5	2635.3	2745.3	2837.1	2237.9	1114.5
73°	3439.9	4211.8	5284.8	5331.0	4650.6	3217.6	2389.8	2511.0	2711.4	2144.2	1016.6
74°	2967.1	3742.7	5127.7	5244.1	4511.8	2939.3	2171.8	2266.7	2581.6	2034.0	918.6
75°	2265.0	3218.7	4891.4	5085.1	4350.2	2660.2	1911.6	2022.8	2435.8	1900.2	819.8
76°	1351.0	2540.1	4525.9	4842.4	4113.4	2284.8	1408.5	1787.2	2258.7	1721.7	688.1
77°	585.8	1609.7	4043.9	4470.2	3802.4	1721.6	905.5	1354.8	2057.4	1489.2	559.8
78°	447.3	751.8	3450.3	3924.3	3374.0	1029.0	409.7	922.5	1816.9	1199.2	411.0
79°	317.9	563.2	2640.5	3229.1	2739.3	440.6	151.1	490.1	1483.0	909.1	248.6
80°	188.4	376.6	1615.8	2363.5	1927.7	329.5	127.4	349.7	1021.3	619.1	152.6
81°	171.5	190.0	776.0	1455.0	1051.2	221.0	103.8	209.3	559.8	346.7	57.3
82°	156.8	169.2	565.9	644.6	443.0	112.5	80.3	73.3	394.0	203.2	34.1
83°	142.1	151.0	371.3	483.8	296.6	97.2	69.0	62.4	228.2	61.3	23.8
84°	127.1	133.5	176.7	331.5	151.1	83.1	58.3	52.4	63.8	49.4	18.4
85°	111.5	116.6	142.9	179.2	120.0	69.8	47.9	42.5	50.3	41.2	14.4
86°	94.5	100.1	118.2	149.7	96.5	57.1	37.5	33.5	38.7	33.5	12.0
87°	77.6	84.9	97.8	117.7	77.8	45.5	27.2	25.5	29.7	25.3	9.7
88°	63.0	70.0	78.3	82.2	60.4	35.0	19.4	19.7	22.0	18.0	7.3
89°	51.8	54.7	56.1	48.5	46.5	24.4	11.6	14.0	15.7	10.7	5.1



REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9	2908.9
1°	2906.8	2907.5	2908.1	2908.8	2909.9	2910.3	2911.4	2910.9	2910.9	2911.3	2912.1
2°	2906.0	2907.4	2908.3	2909.7	2911.4	2912.9	2913.9	2914.9	2914.8	2915.4	2915.6
3°	2906.9	2908.1	2910.0	2911.7	2914.1	2916.2	2918.0	2920.0	2920.4	2920.8	2920.1
4°	2908.3	2910.2	2912.0	2914.4	2917.8	2921.5	2924.5	2926.8	2927.6	2927.8	2926.5
5°	2910.5	2912.2	2914.7	2918.5	2922.7	2927.8	2931.9	2934.6	2935.6	2935.6	2934.3
6°	2916.8	2919.4	2921.7	2923.1	2929.6	2935.5	2940.0	2944.0	2944.5	2944.3	2941.9
7°	2927.2	2930.0	2932.1	2933.6	2936.9	2944.2	2949.6	2954.5	2955.2	2954.3	2951.3
8°	2938.2	2940.6	2942.6	2945.9	2948.1	2954.4	2960.4	2965.6	2967.3	2966.9	2962.4
9°	2950.4	2952.2	2955.2	2959.8	2962.1	2965.1	2971.4	2977.2	2979.8	2979.7	2974.2
10°	2962.4	2964.3	2967.6	2974.5	2977.7	2977.1	2984.6	2991.5	2993.4	2993.1	2987.4
11°	2977.7	2979.4	2982.1	2989.9	2995.1	2992.7	3000.0	3008.5	3010.4	3008.9	3003.0
12°	2981.2	2962.5	2988.5	3007.1	3014.5	3012.3	3009.6	3019.8	3028.9	3027.4	3020.2
13°	2953.4	2955.1	2958.6	3025.1	3034.0	3024.9	3022.9	3033.6	3042.9	3048.9	3039.0
14°	2970.8	2974.2	2977.8	3006.2	3055.1	3040.7	3036.4	3048.1	3058.2	3067.8	3059.3
15°	2992.1	2993.8	2997.8	3008.7	3070.4	3056.9	3053.8	3066.7	3075.3	3085.1	3081.8
16°	3013.7	3015.9	3019.6	3031.6	3087.1	3078.1	3071.3	3087.9	3095.9	3104.0	3106.3
17°	3036.7	3038.8	3043.7	3056.0	3075.8	3095.9	3090.7	3109.7	3120.7	3123.3	3131.1
18°	3060.2	3058.5	3066.8	3081.3	3080.5	3117.3	3115.3	3134.0	3142.6	3146.7	3154.5
19°	3081.2	3078.6	3088.9	3107.7	3099.8	3144.7	3142.7	3162.9	3167.4	3172.2	3175.0
20°	3101.5	3089.1	3110.1	3133.4	3120.6	3172.8	3168.3	3191.7	3195.9	3199.8	3199.5
21°	3055.8	2947.7	3067.3	3149.2	3147.3	3196.3	3192.1	3216.7	3227.3	3222.9	3225.9
22°	2955.9	2950.8	2969.7	3165.7	3175.9	3213.7	3208.6	3237.9	3258.4	3251.2	3250.6
23°	2974.1	2970.0	2989.9	3167.3	3199.3	3213.6	3233.4	3253.4	3286.5	3278.3	3278.5
24°	2993.5	2991.1	3011.0	3041.8	3222.5	3228.3	3264.8	3278.8	3313.1	3309.9	3306.4
25°	3016.4	3015.9	3035.3	3044.8	3243.4	3245.9	3284.4	3308.2	3333.2	3342.2	3334.7
26°	3042.5	3040.9	3063.1	3067.8	3269.6	3267.5	3308.6	3327.9	3354.6	3373.7	3364.0
27°	3066.1	3065.6	3088.7	3088.6	3280.4	3296.8	3340.9	3351.1	3386.2	3403.2	3390.8
28°	3091.6	3066.5	3112.9	3107.0	3226.9	3323.2	3370.1	3383.7	3420.0	3430.8	3419.0
29°	3060.3	2910.9	3075.5	3124.8	3158.4	3336.1	3389.4	3418.6	3447.4	3458.4	3450.5
30°	2926.5	2931.5	2949.8	3148.2	3166.8	3353.5	3410.8	3450.0	3474.4	3482.3	3480.6
31°	2945.5	2955.5	2971.4	3169.9	3173.3	3378.8	3437.4	3473.6	3503.2	3505.9	3511.0
32°	2965.4	2983.9	2992.7	3093.8	3192.2	3404.9	3466.4	3496.4	3535.2	3531.0	3546.7
33°	2988.3	3012.8	3017.4	3012.5	3217.3	3415.4	3493.4	3522.2	3564.8	3563.9	3582.2
34°	3012.2	3039.8	3040.2	3026.4	3242.9	3435.2	3508.2	3552.2	3592.4	3595.4	3617.9
35°	3033.4	3064.4	3061.3	3039.4	3259.1	3449.5	3531.0	3585.2	3612.8	3626.6	3653.3
36°	3050.6	2891.7	3077.0	3060.7	3267.1	3463.3	3549.2	3612.6	3628.3	3650.4	3686.2
37°	2869.7	2877.9	2890.2	3083.4	3267.3	3463.8	3567.8	3639.0	3650.7	3678.9	3718.3
38°	2848.0	2904.9	2877.0	3091.8	3178.4	3397.9	3587.2	3674.0	3675.3	3705.3	3751.1
39°	2867.1	2935.1	2896.0	3105.6	3146.8	3352.8	3601.3	3710.2	3704.0	3738.8	3783.3
40°	2890.4	2965.3	2917.1	2988.3	3174.6	3380.2	3624.3	3744.3	3736.6	3774.3	3813.2
41°	2903.8	2972.8	2930.6	2952.8	3192.1	3409.1	3630.8	3783.9	3772.2	3810.2	3843.5
42°	2896.6	2757.5	2931.8	2969.6	3187.1	3427.9	3642.6	3820.1	3805.1	3845.4	3878.0
43°	2710.4	2773.4	2742.5	2971.3	3202.9	3410.7	3671.5	3850.6	3841.2	3881.3	3912.7
44°	2729.3	2792.8	2763.5	2986.8	3225.5	3420.7	3698.1	3882.0	3881.1	3912.8	3953.3



REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2756.3	2808.7	2789.2	3000.9	3244.4	3448.6	3732.6	3909.1	3923.4	3949.1	3999.6
46°	2771.4	2752.0	2800.8	2852.4	3146.0	3471.5	3721.8	3930.0	3961.4	3992.4	4048.5
47°	2729.2	2557.7	2760.2	2847.1	3101.9	3485.8	3719.4	3958.6	4000.0	4036.4	4097.2
48°	2558.6	2569.2	2595.1	2866.9	3122.7	3481.6	3746.7	3988.5	4044.2	4083.1	4143.7
49°	2584.5	2583.0	2620.5	2876.2	3154.2	3410.2	3782.8	4015.4	4088.1	4129.7	4190.4
50°	2611.1	2592.9	2647.3	2872.0	3161.1	3416.4	3801.3	4039.2	4125.8	4176.4	4239.5
51°	2635.9	2337.2	2667.3	2699.0	3168.9	3428.5	3813.0	4050.6	4165.0	4226.1	4293.5
52°	2413.3	2343.8	2439.5	2724.6	3045.0	3445.3	3839.7	4028.2	4203.9	4274.4	4346.1
53°	2404.9	2353.2	2439.7	2753.1	3049.7	3476.6	3844.7	4015.0	4239.9	4317.6	4405.4
54°	2411.0	2166.9	2440.9	2779.6	3066.6	3476.2	3846.6	4022.4	4266.2	4362.3	4467.7
55°	2242.1	2069.3	2270.3	2601.2	3073.9	3474.3	3843.8	4037.7	4293.2	4403.8	4531.2
56°	2156.1	2069.7	2191.0	2587.3	3012.7	3450.7	3831.0	4050.6	4322.7	4449.5	4597.0
57°	2157.6	1851.2	2195.6	2597.8	2948.8	3388.9	3820.5	4047.7	4349.0	4495.6	4661.2
58°	1948.1	1790.7	1972.9	2465.6	2983.0	3395.8	3777.3	4039.1	4370.3	4535.1	4725.5
59°	1898.8	1778.3	1933.3	2416.6	3017.8	3387.1	3777.8	4033.6	4388.6	4574.8	4787.0
60°	1845.4	1489.8	1863.5	2417.1	2979.1	3368.2	3731.4	4025.1	4397.8	4619.7	4847.1
61°	1633.8	1478.5	1666.8	2231.2	2893.4	3328.6	3699.2	3999.2	4387.3	4662.2	4910.4
62°	1588.3	1189.1	1603.7	2227.1	2880.0	3292.0	3652.7	3972.9	4351.0	4696.8	4978.8
63°	1355.3	1028.6	1384.2	2083.8	2825.2	3275.6	3603.3	3920.9	4319.4	4728.3	5047.2
64°	1208.5	868.0	1221.5	2041.4	2773.4	3228.2	3559.2	3881.9	4294.2	4762.0	5110.1
65°	1051.3	707.8	1056.6	1882.5	2740.4	3162.9	3505.5	3822.4	4275.2	4794.4	5170.2
66°	894.2	562.1	891.8	1829.4	2662.2	3176.6	3449.2	3750.0	4254.5	4818.4	5226.6
67°	735.9	373.8	726.2	1680.4	2619.2	3187.3	3367.6	3649.3	4212.4	4834.1	5280.7
68°	547.4	185.5	524.5	1536.6	2547.2	3178.4	3289.1	3536.5	4141.0	4840.1	5330.1
69°	383.5	0.3	360.2	1372.9	2479.7	3062.0	3192.4	3328.2	4024.0	4825.8	5367.1
70°	343.4	0.3	308.2	1271.5	2411.1	2964.1	3049.5	3027.5	3850.8	4792.5	5383.7
71°	300.0	0.3	262.3	1202.8	2326.6	2876.8	2846.0	2715.4	3591.8	4742.6	5381.4
72°	252.6	0.3	211.9	1090.4	2228.0	2773.8	2613.3	2450.9	3290.1	4667.7	5359.2
73°	204.1	0.3	160.5	966.6	2112.3	2633.0	2371.5	2244.6	2993.9	4536.4	5296.4
74°	161.2	0.3	114.9	842.9	1969.2	2491.9	2137.4	1985.8	2705.8	4358.8	5178.5
75°	117.0	0.4	69.7	719.0	1816.8	2331.7	1870.7	1555.6	2385.7	4127.4	5002.4
76°	72.8	0.4	39.7	578.1	1609.1	2120.6	1548.2	992.8	1920.0	3831.5	4743.1
77°	35.0	0.5	18.3	445.5	1329.9	1874.4	1252.4	458.9	1299.2	3470.9	4345.4
78°	25.9	0.6	14.5	299.9	1028.6	1568.5	956.7	332.5	636.7	2981.4	3723.3
79°	16.7	0.7	10.8	213.7	727.3	1146.4	660.9	216.6	458.2	2323.2	2919.1
80°	7.8	0.8	7.1	127.5	429.4	724.2	365.1	100.8	290.7	1489.2	2050.8
81°	6.8	1.0	6.3	41.5	304.5	308.1	79.6	86.2	123.2	709.4	1146.4
82°	6.1	1.1	5.7	28.0	179.6	191.0	68.4	75.1	107.4	515.5	446.4
83°	5.4	1.3	5.2	22.4	56.8	74.6	58.4	64.2	93.2	327.8	345.6
84°	4.9	1.4	4.7	17.6	48.4	58.8	48.8	53.7	79.4	140.1	259.5
85°	4.5	1.6	4.4	13.5	40.8	46.8	39.7	42.9	66.4	110.8	173.3
86°	4.0	1.8	3.9	11.3	33.0	36.4	31.1	32.2	54.0	89.5	143.0
87°	3.6	1.9	3.6	9.0	24.4	27.6	23.6	21.4	43.5	71.6	109.9
88°	3.4	2.1	3.3	6.8	17.4	19.5	16.7	12.4	32.3	54.2	73.6
89°	3.0	2.3	3.0	4.9	10.3	11.4	9.7	5.3	21.0	42.3	42.7



REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2908.9	2908.9	2908.9
1°	2911.5	2911.7	2911.1
2°	2915.0	2914.8	2914.4
3°	2919.8	2919.0	2918.9
4°	2925.6	2924.2	2923.8
5°	2932.0	2930.2	2929.6
6°	2939.3	2936.4	2936.1
7°	2947.7	2944.5	2943.7
8°	2957.6	2953.6	2952.2
9°	2968.6	2964.0	2962.2
10°	2981.0	2975.6	2974.0
11°	2995.2	2988.9	2987.8
12°	3011.0	3003.6	3002.3
13°	3028.1	3020.2	3019.0
14°	3046.5	3039.4	3037.7
15°	3067.6	3059.6	3057.9
16°	3090.3	3081.2	3079.4
17°	3114.9	3104.7	3101.3
18°	3140.1	3127.9	3124.8
19°	3166.4	3152.7	3148.1
20°	3193.5	3177.3	3172.5
21°	3221.8	3204.0	3196.9
22°	3250.8	3231.3	3221.9
23°	3281.1	3260.8	3249.4
24°	3310.5	3291.1	3276.8
25°	3340.5	3323.7	3306.2
26°	3372.0	3357.3	3336.5
27°	3404.0	3390.0	3368.6
28°	3433.6	3424.5	3402.7
29°	3462.3	3458.4	3438.3
30°	3493.6	3493.2	3475.9
31°	3525.3	3528.8	3514.1
32°	3556.8	3563.8	3554.4
33°	3590.8	3599.8	3597.6
34°	3623.5	3636.6	3640.9
35°	3656.8	3673.5	3685.9
36°	3691.1	3708.9	3730.5
37°	3725.8	3743.8	3776.8
38°	3759.5	3777.5	3824.3
39°	3792.7	3811.0	3871.5
40°	3827.4	3847.7	3922.6
41°	3863.0	3888.1	3972.3
42°	3900.1	3932.5	4022.3
43°	3938.9	3978.8	4067.8
44°	3982.2	4028.8	4111.2



REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	4028.0	4078.3	4152.9
46°	4079.1	4130.4	4192.3
47°	4131.6	4186.7	4229.7
48°	4182.6	4245.3	4266.3
49°	4235.0	4305.5	4305.1
50°	4290.7	4369.5	4345.5
51°	4349.7	4433.4	4387.7
52°	4410.4	4500.7	4430.7
53°	4473.7	4567.0	4478.4
54°	4540.6	4634.0	4530.9
55°	4606.5	4698.7	4582.4
56°	4674.7	4762.0	4634.9
57°	4740.8	4823.0	4685.3
58°	4808.2	4878.0	4734.3
59°	4878.0	4927.0	4782.4
60°	4948.3	4973.7	4829.5
61°	5019.0	5021.8	4869.3
62°	5087.9	5065.7	4903.9
63°	5154.5	5099.0	4937.2
64°	5219.2	5123.5	4980.7
65°	5284.4	5157.2	5026.0
66°	5349.1	5199.8	5053.2
67°	5402.7	5228.9	5056.9
68°	5437.8	5231.2	5051.8
69°	5475.3	5204.4	4992.7
70°	5500.2	5141.1	4797.6
71°	5487.7	4988.1	4415.5
72°	5418.4	4687.1	3922.1
73°	5318.1	4260.3	3439.9
74°	5164.2	3776.6	2967.1
75°	4882.2	3245.8	2265.0
76°	4489.7	2576.7	1351.0
77°	4022.8	1710.3	585.8
78°	3426.6	845.9	447.3
79°	2590.6	380.6	317.9
80°	1511.2	282.1	188.4
81°	714.3	196.0	171.5
82°	522.9	172.5	156.8
83°	349.7	154.2	142.1
84°	176.5	135.9	127.1
85°	141.9	117.6	111.5
86°	118.6	100.6	94.5
87°	97.9	84.9	77.6
88°	77.9	69.8	63.0
89°	54.5	54.3	51.8



REPORT NUMBER: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436824

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)