

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: P1445042

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445042
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-120W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 19839.7 lumens
Efficiency: 43.6%
Efficacy: 157.3 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): 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

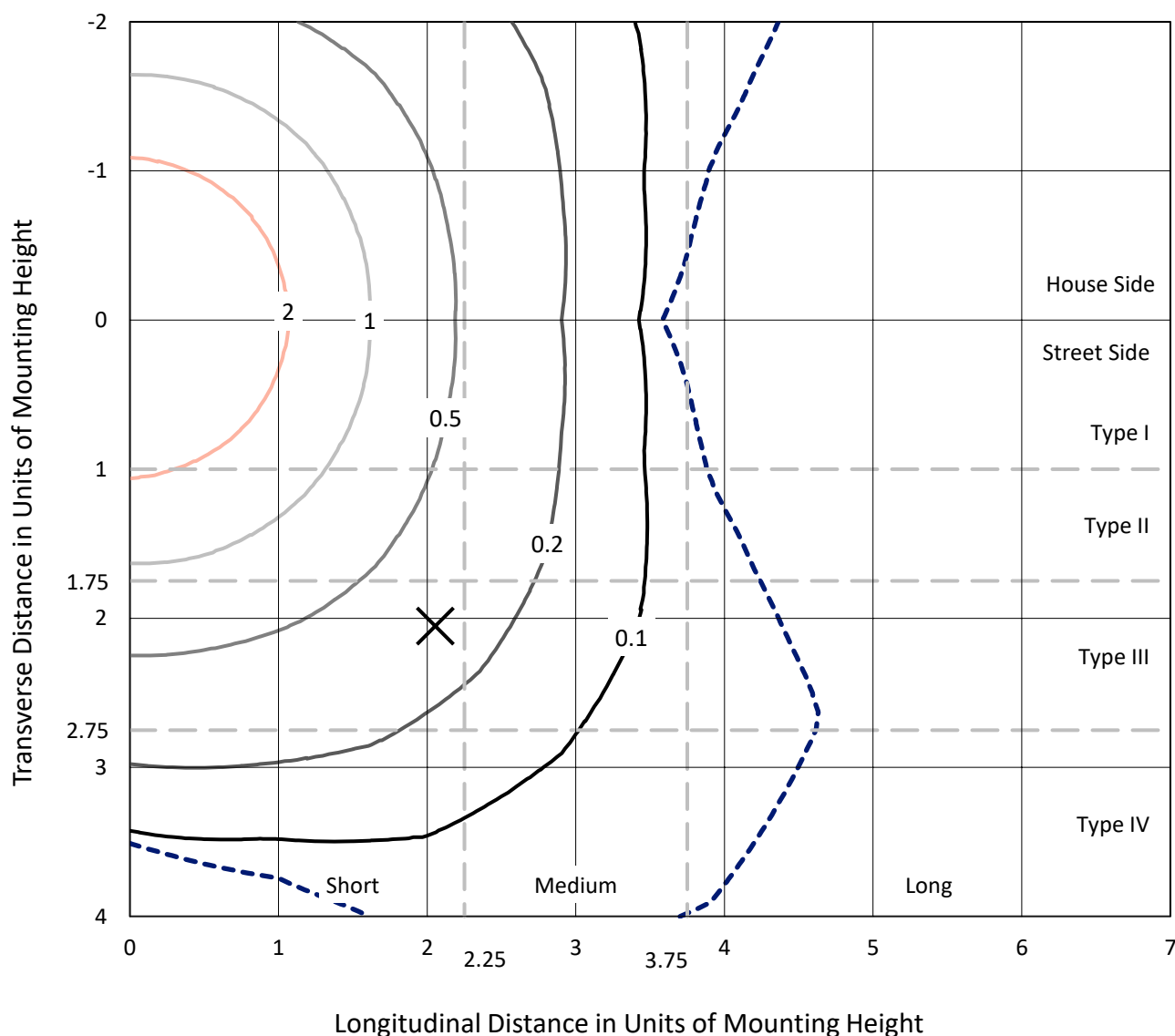
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

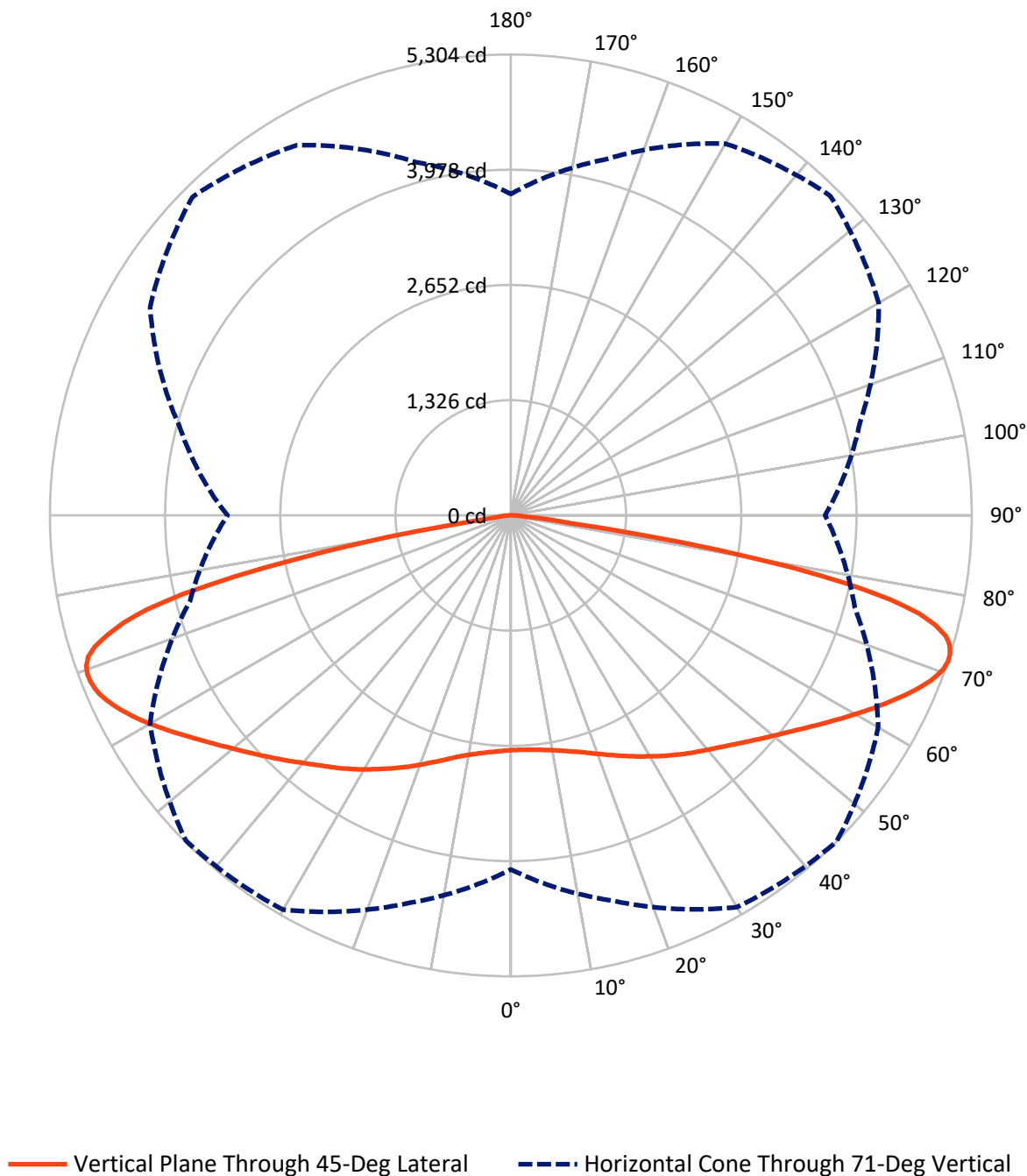


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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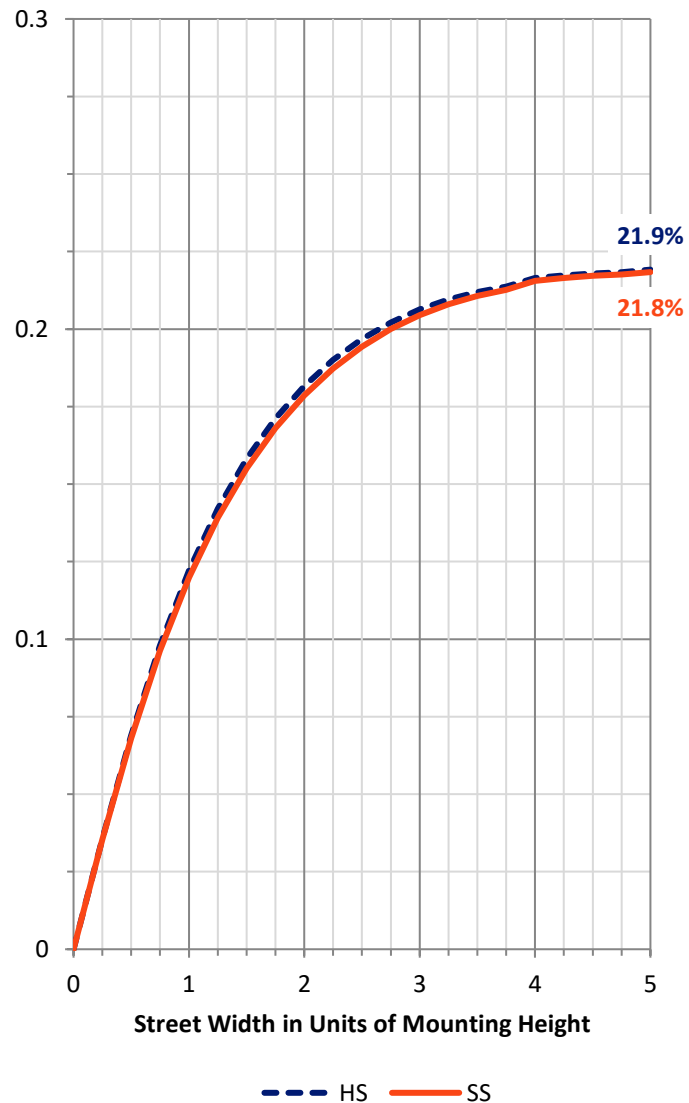
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9922.0	0.0	9922.0
	% Lamp	21.8	0.0	21.8
Street Side	Lumens	9917.7	0.0	9917.7
	% Lamp	21.8	0.0	21.8
Total	Lumens	19839.7	0.0	19839.7
	% Lamp	43.6	0.0	43.6

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	260.9	1.3	0.6
10°-20°	814.3	4.1	1.8
20°-30°	1451.2	7.3	3.2
30°-40°	2171.7	10.9	4.8
40°-50°	2972.7	15.0	6.5
50°-60°	3876.3	19.5	8.5
60°-70°	4673.3	23.6	10.3
70°-80°	3415.4	17.2	7.5
80°-90°	203.8	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°	19839.7	100.0	43.6
0°-180°	19839.7	100.0	43.6



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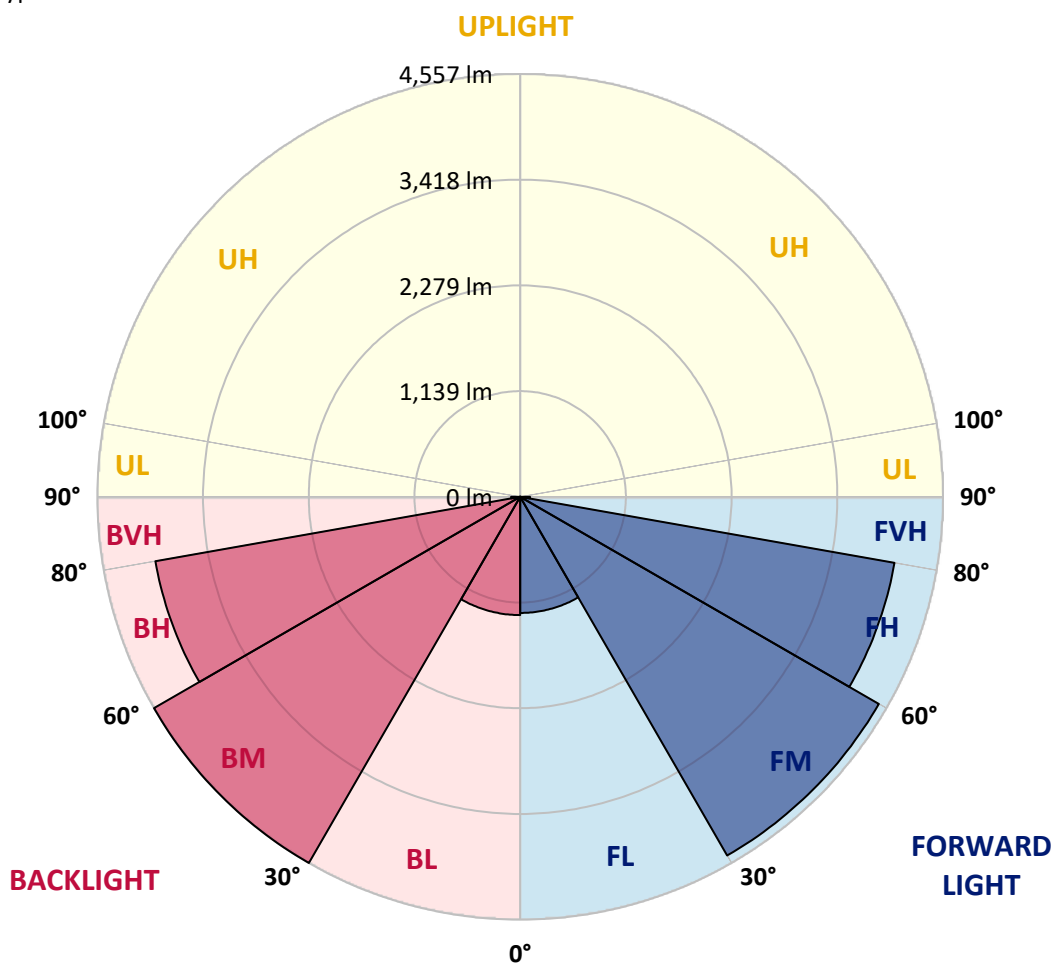
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1251.8	2.7			
FM	(30°-60°)	4463.5	9.8			
FH	(60°-80°)	4096.4	9.0			G2/5000
FVH	(80°-90°)	106.0	0.2			G2/225
BL	(0°-30°)	1274.6	2.8	B3/2500		
BM	(30°-60°)	4557.2	10.0	B3/5000		
BH	(60°-80°)	3992.4	8.8	B4/5000		G2/5000
BVH	(80°-90°)	97.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		25695.3	56.4			

BUG Rating: B4-U0-G2

Type V Short



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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5
1°	2700.1	2699.3	2699.4	2699.9	2700.3	2701.3	2699.1	2699.1	2699.6	2700.3	2700.6
2°	2699.8	2699.3	2699.3	2699.8	2700.7	2701.5	2699.6	2700.1	2701.0	2702.4	2703.1
3°	2701.5	2700.1	2700.5	2700.7	2702.5	2703.9	2702.0	2703.0	2704.4	2706.0	2707.0
4°	2703.3	2702.3	2702.8	2704.2	2705.9	2707.5	2705.9	2707.0	2709.3	2711.0	2712.0
5°	2705.9	2705.2	2706.4	2708.0	2711.0	2713.7	2712.2	2713.5	2715.0	2717.1	2719.2
6°	2710.3	2708.9	2711.0	2713.8	2717.9	2720.9	2719.8	2721.0	2722.3	2724.2	2727.0
7°	2715.4	2714.8	2716.7	2721.3	2725.7	2728.2	2727.7	2729.3	2730.5	2732.6	2736.1
8°	2721.5	2720.9	2724.4	2729.4	2733.8	2737.8	2737.1	2739.0	2741.0	2743.1	2747.5
9°	2729.3	2728.1	2732.8	2738.0	2744.2	2748.4	2747.9	2749.6	2752.8	2755.6	2759.8
10°	2738.6	2737.9	2742.7	2748.7	2756.4	2760.7	2760.0	2761.4	2765.5	2770.4	2774.2
11°	2750.3	2748.5	2754.3	2761.4	2769.1	2773.1	2773.1	2774.3	2779.1	2785.7	2790.0
12°	2762.9	2761.1	2766.8	2774.8	2782.8	2787.7	2788.3	2789.8	2795.5	2803.1	2807.8
13°	2777.2	2774.7	2780.3	2789.9	2797.9	2803.6	2805.0	2807.5	2813.4	2821.7	2827.2
14°	2793.2	2790.7	2795.0	2805.8	2814.6	2822.9	2824.5	2826.5	2833.3	2841.4	2848.6
15°	2811.4	2807.7	2811.9	2822.7	2833.4	2842.5	2845.4	2848.1	2854.9	2863.1	2870.7
16°	2830.3	2826.2	2830.9	2841.1	2853.7	2863.9	2868.2	2871.9	2877.5	2885.9	2893.9
17°	2850.2	2844.8	2851.1	2860.7	2875.0	2887.6	2892.9	2895.7	2902.1	2910.3	2918.1
18°	2870.5	2865.3	2871.0	2883.1	2897.3	2912.6	2918.9	2922.1	2927.8	2936.3	2944.1
19°	2891.5	2886.3	2893.5	2907.7	2920.9	2938.1	2946.6	2949.0	2954.4	2963.1	2970.3
20°	2913.7	2908.8	2916.6	2932.0	2946.1	2964.4	2974.9	2977.5	2982.0	2990.6	2996.9
21°	2936.1	2931.9	2940.6	2957.7	2971.9	2992.9	3003.7	3008.0	3010.5	3020.0	3024.4
22°	2958.8	2955.3	2965.8	2983.6	2999.1	3021.8	3032.9	3039.3	3040.8	3049.2	3051.4
23°	2982.9	2980.5	2991.6	3011.2	3028.5	3051.6	3061.7	3069.8	3072.0	3078.9	3080.0
24°	3007.8	3006.8	3017.9	3038.7	3057.5	3079.5	3089.0	3099.9	3103.5	3108.7	3107.7
25°	3034.8	3034.2	3045.4	3067.5	3086.9	3107.8	3115.8	3129.8	3134.5	3139.0	3136.9
26°	3062.0	3063.4	3073.2	3096.5	3115.5	3137.4	3143.7	3159.9	3166.4	3169.4	3166.4
27°	3091.6	3093.3	3102.6	3125.8	3144.3	3167.6	3173.0	3191.3	3197.9	3199.4	3195.8
28°	3122.5	3124.5	3132.3	3155.1	3173.3	3198.4	3204.2	3221.7	3229.3	3230.4	3225.9
29°	3154.6	3155.6	3163.1	3185.4	3202.7	3229.3	3236.8	3253.8	3262.3	3260.6	3256.5
30°	3189.3	3188.1	3194.0	3215.8	3233.4	3261.4	3272.0	3287.6	3294.9	3291.8	3288.1
31°	3225.2	3220.5	3226.1	3248.2	3263.9	3294.4	3307.3	3321.7	3329.6	3324.8	3320.4
32°	3261.5	3252.8	3257.4	3280.1	3295.6	3325.4	3341.6	3354.9	3363.3	3358.4	3354.7
33°	3300.5	3285.1	3289.0	3311.0	3328.0	3356.8	3376.3	3387.6	3396.3	3392.6	3386.9
34°	3341.4	3318.1	3321.1	3342.9	3359.4	3388.2	3411.7	3419.9	3427.6	3424.3	3420.8
35°	3382.6	3351.7	3355.1	3376.6	3390.1	3420.2	3447.7	3452.6	3458.4	3457.8	3456.0
36°	3423.9	3384.5	3387.7	3408.6	3421.2	3451.3	3484.3	3484.5	3490.5	3492.3	3491.0
37°	3466.8	3415.5	3420.6	3439.5	3452.6	3479.9	3521.6	3516.4	3524.0	3527.0	3527.8
38°	3510.3	3445.5	3452.2	3472.5	3484.3	3509.3	3559.7	3547.2	3557.2	3562.7	3563.8
39°	3553.9	3476.1	3483.8	3504.7	3516.0	3540.8	3600.7	3579.1	3590.2	3598.7	3599.5
40°	3599.0	3508.8	3515.6	3537.6	3548.4	3573.6	3644.8	3613.5	3625.1	3636.7	3637.0
41°	3645.8	3544.2	3549.7	3571.9	3583.2	3609.2	3687.8	3649.3	3661.4	3674.2	3673.8
42°	3691.1	3584.2	3585.7	3608.7	3619.4	3646.7	3728.4	3688.2	3698.4	3713.7	3712.8
43°	3733.1	3627.3	3623.4	3647.8	3659.5	3684.8	3769.7	3727.0	3738.6	3754.6	3753.3
44°	3772.3	3672.6	3663.8	3688.6	3701.2	3725.9	3811.3	3766.6	3780.0	3797.7	3795.6

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	3811.0	3717.2	3706.0	3731.1	3743.0	3769.0	3853.1	3807.5	3821.8	3842.0	3839.5
46°	3847.5	3764.6	3751.1	3776.2	3788.0	3813.5	3892.2	3851.9	3866.3	3887.5	3885.4
47°	3881.7	3814.9	3799.6	3821.3	3833.5	3860.2	3928.8	3898.2	3911.7	3934.9	3932.0
48°	3915.7	3867.9	3849.3	3869.0	3879.2	3906.6	3965.0	3945.6	3958.5	3983.9	3981.5
49°	3951.6	3923.4	3900.5	3918.6	3928.0	3954.0	3999.3	3992.1	4004.7	4032.4	4032.3
50°	3989.4	3981.9	3953.9	3969.2	3979.8	4003.8	4032.3	4040.2	4053.3	4082.9	4085.0
51°	4029.4	4041.5	4010.2	4022.2	4029.6	4052.9	4063.9	4088.0	4101.9	4134.6	4139.0
52°	4069.1	4102.9	4068.0	4078.0	4083.8	4103.4	4092.7	4136.8	4152.1	4187.7	4194.5
53°	4114.5	4166.3	4127.4	4138.5	4137.3	4150.6	4120.5	4182.6	4202.8	4242.8	4252.1
54°	4162.7	4228.5	4190.4	4199.4	4191.8	4194.9	4149.5	4226.8	4256.0	4298.7	4310.2
55°	4211.6	4289.6	4255.9	4263.4	4246.4	4237.7	4177.9	4268.6	4307.1	4357.9	4369.2
56°	4260.5	4349.2	4322.6	4329.9	4302.3	4281.5	4206.9	4309.4	4357.9	4418.0	4427.6
57°	4308.6	4405.8	4390.6	4396.7	4357.5	4324.1	4235.5	4348.1	4410.2	4482.1	4485.1
58°	4353.5	4459.9	4457.3	4467.7	4413.2	4361.8	4263.8	4383.6	4460.7	4547.0	4538.7
59°	4400.6	4507.4	4526.5	4538.7	4468.1	4394.9	4288.4	4416.7	4510.4	4613.7	4587.5
60°	4445.1	4553.5	4594.9	4612.4	4522.2	4424.1	4308.9	4445.9	4559.2	4681.6	4633.7
61°	4483.0	4593.2	4667.3	4686.9	4573.6	4447.2	4324.9	4469.0	4609.3	4750.9	4683.0
62°	4515.2	4627.6	4738.3	4760.5	4626.3	4462.9	4335.8	4488.2	4659.0	4818.5	4734.4
63°	4548.3	4660.7	4809.3	4834.6	4678.6	4475.1	4343.5	4504.3	4706.9	4884.7	4782.3
64°	4589.7	4692.5	4878.1	4909.5	4726.1	4481.7	4346.7	4514.3	4754.0	4950.0	4827.2
65°	4635.0	4730.0	4948.3	4985.8	4773.6	4486.0	4347.0	4521.7	4799.7	5009.3	4869.0
66°	4662.5	4770.1	5014.5	5058.1	4817.6	4487.8	4335.0	4523.0	4840.7	5065.1	4911.3
67°	4667.3	4801.5	5071.2	5125.2	4852.4	4479.0	4311.0	4512.2	4875.5	5112.1	4947.4
68°	4664.2	4811.5	5124.3	5189.7	4886.4	4447.7	4252.1	4486.4	4904.3	5152.6	4974.9
69°	4613.2	4796.7	5173.6	5243.3	4904.7	4390.2	4123.4	4431.1	4922.6	5181.4	4980.1
70°	4432.9	4742.6	5204.9	5283.4	4902.1	4275.0	3919.2	4328.2	4920.8	5199.7	4968.3
71°	4074.0	4593.2	5204.9	5303.8	4880.3	4097.1	3615.9	4160.5	4889.0	5198.8	4939.6
72°	3604.9	4309.9	5160.0	5298.2	4829.3	3859.2	3292.9	3915.2	4825.0	5176.2	4866.8
73°	3151.4	3916.2	5071.2	5267.7	4744.4	3577.1	3003.7	3613.0	4718.7	5110.8	4747.4
74°	2713.5	3476.7	4926.1	5194.5	4610.6	3298.5	2762.8	3299.9	4573.2	4994.9	4569.2
75°	2065.2	2988.8	4702.1	5049.4	4450.7	3023.0	2482.6	3007.0	4379.3	4816.7	4284.1
76°	1203.6	2353.9	4363.1	4832.0	4243.3	2674.1	1990.9	2697.4	4140.9	4573.6	3896.0
77°	473.6	1496.7	3907.9	4476.4	3966.0	2142.7	1401.5	2211.8	3843.2	4210.6	3430.3
78°	345.5	679.4	3340.9	3961.0	3558.1	1431.2	812.1	1567.2	3462.3	3692.0	2858.9
79°	229.5	482.5	2575.2	3277.2	2989.2	711.6	228.1	922.7	2921.7	2990.8	2094.8
80°	113.5	301.6	1595.2	2428.3	2213.1	506.4	129.4	283.8	2183.4	2178.5	1487.0
81°	100.7	120.6	755.4	1539.0	1293.4	312.7	114.2	141.6	1531.3	1531.6	879.1
82°	89.1	103.9	544.0	689.5	555.0	119.0	99.0	117.1	879.3	884.7	274.2
83°	77.7	88.9	335.7	505.8	400.3	96.6	83.9	100.9	232.4	238.4	148.3
84°	66.0	74.8	127.4	327.1	254.8	81.6	71.8	84.8	137.2	152.2	113.0
85°	53.9	60.9	96.2	148.4	109.3	67.0	59.6	70.1	107.6	126.9	78.1
86°	39.9	47.8	73.6	117.6	80.4	53.0	47.3	55.9	78.1	101.2	55.3
87°	27.1	35.5	55.7	87.7	61.7	40.6	34.4	43.2	59.2	75.4	38.7
88°	14.4	23.2	38.5	54.5	44.1	28.2	22.1	31.2	42.4	47.2	24.0
89°	5.9	10.9	20.6	28.6	24.1	15.9	15.5	21.6	29.2	32.5	16.9

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445042
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5	2700.5
1°	2701.6	2702.7	2703.3	2703.8	2704.1	2704.5	2704.6	2702.0	2701.8	2701.6	2700.7
2°	2704.1	2706.3	2707.3	2708.5	2708.4	2709.1	2708.7	2706.7	2705.6	2704.4	2702.6
3°	2708.9	2711.2	2713.0	2713.9	2714.4	2714.5	2714.2	2712.1	2710.1	2708.2	2705.6
4°	2714.7	2717.2	2719.3	2720.6	2721.5	2721.8	2720.8	2717.4	2715.6	2713.4	2710.0
5°	2721.1	2724.1	2726.6	2728.7	2729.6	2729.5	2728.0	2724.4	2721.3	2718.8	2715.0
6°	2728.7	2732.5	2735.0	2737.3	2738.5	2738.3	2736.8	2732.7	2729.4	2725.3	2720.3
7°	2738.4	2742.2	2744.9	2747.6	2748.8	2748.6	2746.6	2742.7	2738.2	2733.7	2727.2
8°	2749.9	2753.3	2756.4	2759.9	2760.4	2760.3	2758.3	2753.3	2748.7	2743.8	2735.8
9°	2763.2	2766.2	2769.7	2773.2	2774.1	2772.8	2770.1	2765.2	2760.7	2755.5	2745.9
10°	2777.0	2780.3	2783.7	2788.2	2789.0	2787.2	2784.5	2780.0	2774.4	2767.7	2757.7
11°	2793.6	2797.4	2800.7	2804.6	2806.2	2804.7	2801.4	2797.3	2791.3	2782.3	2771.3
12°	2812.0	2816.0	2819.4	2822.9	2825.6	2824.5	2820.9	2817.5	2810.5	2800.0	2785.8
13°	2832.1	2836.3	2839.2	2843.3	2846.5	2845.8	2842.0	2838.4	2831.1	2819.8	2802.8
14°	2852.9	2857.2	2860.7	2865.2	2869.3	2869.5	2864.4	2860.3	2852.5	2840.3	2821.5
15°	2875.3	2880.3	2883.1	2889.3	2894.0	2893.5	2888.5	2884.4	2875.6	2861.7	2842.8
16°	2899.8	2904.4	2908.0	2914.6	2921.7	2920.2	2914.3	2911.3	2900.7	2885.0	2865.1
17°	2924.7	2929.5	2933.5	2941.4	2949.4	2946.9	2941.5	2938.7	2928.0	2910.5	2888.4
18°	2950.0	2954.4	2959.0	2968.8	2977.9	2975.1	2970.3	2967.6	2955.4	2936.4	2912.6
19°	2976.6	2980.3	2985.4	2997.0	3007.0	3003.8	2999.5	2997.0	2983.7	2964.3	2937.8
20°	3003.3	3005.8	3013.0	3025.1	3037.2	3034.2	3030.2	3027.3	3013.4	2992.0	2963.9
21°	3030.2	3032.3	3041.8	3055.1	3069.5	3065.4	3062.2	3058.8	3045.4	3020.5	2991.5
22°	3057.2	3059.2	3070.1	3084.2	3100.8	3097.6	3095.2	3088.8	3076.5	3049.3	3019.4
23°	3085.0	3086.5	3099.3	3115.6	3132.7	3129.5	3128.1	3118.7	3108.0	3080.5	3048.8
24°	3113.5	3115.5	3129.4	3145.7	3163.9	3163.2	3160.5	3147.9	3138.9	3112.1	3078.0
25°	3143.0	3145.7	3160.6	3177.5	3195.2	3196.9	3192.1	3178.1	3170.4	3142.5	3107.4
26°	3173.1	3177.5	3192.8	3210.1	3226.7	3231.1	3225.9	3208.6	3201.9	3172.5	3135.9
27°	3204.3	3209.8	3226.1	3241.9	3257.4	3264.9	3258.9	3239.8	3234.4	3203.4	3165.1
28°	3236.8	3244.6	3259.8	3273.7	3290.2	3299.8	3293.1	3274.0	3267.1	3234.3	3196.6
29°	3270.1	3280.5	3294.9	3305.5	3323.0	3334.2	3328.0	3311.0	3300.3	3265.7	3227.8
30°	3303.8	3317.0	3329.7	3338.0	3356.6	3368.2	3363.7	3348.3	3334.6	3296.6	3259.6
31°	3337.3	3355.3	3364.4	3371.9	3391.0	3401.2	3399.2	3385.7	3368.1	3328.8	3291.9
32°	3371.3	3394.5	3399.7	3405.5	3424.8	3434.7	3432.4	3419.7	3400.1	3360.4	3326.2
33°	3405.0	3435.0	3434.6	3438.9	3458.4	3466.4	3465.7	3453.9	3430.7	3393.0	3360.1
34°	3440.4	3474.6	3468.6	3473.5	3491.7	3497.2	3496.9	3488.2	3461.6	3424.5	3394.0
35°	3474.8	3516.3	3502.8	3508.1	3524.8	3527.7	3528.1	3523.2	3489.9	3456.2	3427.3
36°	3510.4	3558.5	3537.7	3542.7	3557.3	3559.0	3556.9	3558.2	3516.5	3486.8	3459.9
37°	3545.2	3600.0	3571.4	3578.0	3589.8	3591.2	3585.9	3596.7	3545.8	3518.2	3493.3
38°	3578.4	3642.2	3603.6	3612.7	3624.5	3623.6	3616.5	3637.6	3576.6	3549.2	3527.5
39°	3611.7	3686.2	3637.2	3646.8	3662.0	3657.6	3647.4	3680.3	3608.0	3583.5	3561.0
40°	3648.0	3731.6	3673.6	3683.4	3700.0	3692.0	3681.5	3724.5	3642.0	3618.9	3594.7
41°	3686.4	3775.6	3713.9	3720.8	3738.8	3728.8	3716.1	3771.4	3680.3	3656.3	3631.3
42°	3725.6	3819.1	3755.2	3760.3	3780.2	3766.8	3755.7	3818.3	3721.8	3693.8	3671.4
43°	3765.2	3862.0	3797.8	3801.9	3822.6	3805.9	3800.9	3863.5	3767.4	3733.9	3712.5
44°	3808.7	3903.3	3842.0	3844.6	3866.0	3847.1	3846.7	3903.9	3813.3	3775.1	3755.7

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3853.8	3944.3	3888.0	3888.9	3911.1	3891.2	3894.0	3940.9	3859.2	3820.8	3801.1
46°	3903.3	3986.1	3937.1	3935.6	3954.8	3937.9	3938.8	3978.3	3905.1	3868.8	3848.4
47°	3954.8	4027.0	3990.2	3984.1	4001.6	3987.2	3987.1	4014.4	3952.7	3919.0	3896.7
48°	4010.6	4063.6	4043.5	4033.0	4048.1	4038.1	4037.1	4047.1	4001.7	3968.5	3946.4
49°	4066.4	4101.1	4098.8	4082.5	4097.5	4089.3	4087.7	4076.9	4052.2	4017.8	3997.7
50°	4121.8	4139.7	4154.4	4135.6	4148.7	4141.6	4139.1	4106.3	4102.9	4067.4	4051.4
51°	4177.5	4180.2	4209.9	4188.3	4201.0	4191.2	4188.2	4135.8	4153.6	4118.8	4107.7
52°	4233.9	4219.3	4266.1	4245.5	4256.9	4242.1	4236.7	4165.9	4199.5	4171.2	4165.2
53°	4290.8	4256.7	4322.4	4302.1	4313.5	4293.5	4281.4	4194.8	4244.1	4223.3	4225.3
54°	4345.3	4293.2	4374.9	4361.0	4372.3	4346.2	4323.0	4224.2	4287.6	4276.5	4288.2
55°	4395.4	4329.9	4422.8	4420.2	4432.9	4396.7	4360.5	4251.6	4327.2	4325.9	4352.9
56°	4436.8	4364.0	4464.2	4479.0	4495.2	4447.2	4394.5	4277.8	4362.7	4378.0	4419.8
57°	4471.6	4397.6	4502.1	4539.6	4561.4	4496.0	4426.8	4302.3	4392.8	4430.2	4487.8
58°	4503.0	4429.4	4535.2	4592.8	4626.7	4544.0	4454.6	4325.3	4419.8	4478.2	4555.3
59°	4532.2	4459.4	4565.3	4640.7	4693.0	4591.0	4479.0	4341.5	4443.3	4526.5	4623.3
60°	4558.8	4486.0	4590.1	4689.9	4762.2	4635.0	4497.8	4353.2	4462.0	4578.4	4693.8
61°	4579.7	4510.0	4609.3	4742.6	4828.0	4678.2	4512.2	4365.8	4475.6	4628.1	4766.2
62°	4594.9	4534.4	4625.9	4793.6	4893.0	4723.5	4520.9	4374.5	4487.3	4675.5	4838.9
63°	4612.4	4557.0	4643.3	4838.9	4954.0	4769.2	4527.4	4375.8	4496.0	4723.5	4911.7
64°	4628.5	4579.7	4663.3	4877.7	5014.1	4811.0	4529.6	4371.4	4500.0	4768.3	4982.3
65°	4643.3	4584.0	4676.4	4913.4	5068.5	4851.1	4524.8	4354.8	4495.2	4808.9	5047.2
66°	4649.0	4553.5	4672.1	4951.3	5117.3	4886.9	4509.1	4316.8	4480.8	4844.6	5108.2
67°	4635.0	4516.5	4651.6	4980.1	5158.7	4908.2	4472.1	4252.8	4442.0	4874.7	5166.6
68°	4609.3	4455.1	4622.4	5000.6	5186.6	4910.4	4418.5	4132.5	4378.4	4892.1	5220.2
69°	4552.7	4311.4	4557.0	4998.0	5202.3	4893.8	4329.2	3913.8	4269.7	4885.1	5259.4
70°	4439.4	4065.4	4426.8	4973.1	5202.7	4857.7	4179.1	3600.1	4085.0	4852.0	5284.7
71°	4242.7	3697.6	4207.0	4919.1	5181.8	4793.2	3945.1	3259.5	3822.7	4793.2	5289.9
72°	3926.7	3245.1	3866.3	4824.1	5127.8	4705.2	3642.9	2986.5	3517.0	4705.2	5268.1
73°	3499.0	2770.1	3445.9	4688.2	5017.6	4573.2	3338.4	2757.6	3231.3	4558.8	5203.6
74°	3015.4	2293.4	2971.9	4472.5	4843.3	4398.9	3056.7	2466.5	2949.4	4373.2	5080.7
75°	2503.2	1695.8	2434.5	4140.7	4625.4	4180.2	2732.9	1937.0	2611.0	4145.4	4892.1
76°	1922.9	1072.6	1839.3	3721.6	4325.6	3898.3	2250.9	1225.9	2092.7	3859.0	4612.4
77°	1368.4	450.3	1312.1	3218.3	3884.3	3513.9	1587.6	554.5	1410.8	3488.2	4179.3
78°	813.8	186.6	784.9	2588.9	3271.1	2989.1	924.3	404.6	700.2	2985.3	3529.5
79°	268.7	119.5	258.9	1800.8	2530.4	2297.4	263.9	259.2	495.5	2279.3	2717.9
80°	140.4	101.9	140.2	1153.7	1798.1	1620.5	141.9	113.8	308.2	1396.2	1841.4
81°	117.5	84.4	116.8	506.7	1065.9	943.6	120.1	98.4	120.9	621.5	952.8
82°	94.6	71.8	93.4	207.8	349.4	277.8	105.0	86.1	100.1	444.0	328.3
83°	71.8	60.3	70.2	162.0	176.4	152.7	89.8	73.9	85.7	279.4	240.9
84°	58.2	49.8	56.7	116.3	143.2	124.6	74.6	61.4	71.1	114.9	154.4
85°	44.7	38.1	43.0	71.0	116.5	96.4	60.6	48.5	57.0	85.8	129.2
86°	32.3	25.8	30.5	50.9	89.7	68.3	47.5	36.3	44.0	66.0	102.0
87°	22.8	17.9	21.6	34.0	63.1	50.6	35.3	24.1	31.6	48.9	69.9
88°	13.4	10.0	12.7	23.7	43.1	34.6	24.4	12.0	19.1	39.4	35.4
89°	4.1	2.2	3.9	13.4	23.1	24.0	13.4	3.8	6.7	30.0	26.9

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445042
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2700.5	2700.5	2700.5
1°	2700.1	2699.3	2700.1
2°	2701.1	2699.8	2699.8
3°	2703.1	2701.6	2701.5
4°	2706.4	2704.4	2703.3
5°	2710.8	2707.6	2705.9
6°	2715.9	2711.9	2710.3
7°	2722.2	2717.5	2715.4
8°	2729.3	2723.8	2721.5
9°	2737.9	2731.9	2729.3
10°	2747.8	2741.8	2738.6
11°	2760.3	2752.7	2750.3
12°	2774.0	2766.1	2762.9
13°	2788.5	2780.0	2777.2
14°	2804.5	2795.9	2793.2
15°	2823.1	2814.1	2811.4
16°	2843.8	2833.7	2830.3
17°	2865.8	2854.3	2850.2
18°	2888.5	2875.2	2870.5
19°	2912.9	2897.5	2891.5
20°	2938.0	2920.5	2913.7
21°	2964.1	2944.5	2936.1
22°	2990.6	2969.3	2958.8
23°	3017.8	2996.2	2982.9
24°	3045.4	3023.9	3007.8
25°	3073.8	3053.2	3034.8
26°	3102.7	3083.3	3062.0
27°	3132.3	3113.7	3091.6
28°	3162.8	3144.5	3122.5
29°	3193.4	3175.9	3154.6
30°	3224.6	3208.1	3189.3
31°	3256.4	3240.9	3225.2
32°	3289.0	3272.1	3261.5
33°	3322.4	3305.3	3300.5
34°	3355.7	3339.2	3341.4
35°	3390.2	3373.0	3382.6
36°	3424.9	3405.4	3423.9
37°	3457.7	3436.8	3466.8
38°	3492.1	3467.3	3510.3
39°	3526.1	3498.1	3553.9
40°	3560.0	3531.3	3599.0
41°	3594.9	3568.9	3645.8
42°	3632.4	3609.3	3691.1
43°	3672.0	3652.3	3733.1
44°	3715.5	3697.7	3772.3

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3760.8	3744.5	3811.0
46°	3810.5	3792.8	3847.5
47°	3861.2	3845.3	3881.7
48°	3912.0	3898.9	3915.7
49°	3965.8	3955.6	3951.6
50°	4019.6	4014.9	3989.4
51°	4077.6	4075.5	4029.4
52°	4137.1	4139.0	4069.1
53°	4197.0	4200.1	4114.5
54°	4261.5	4263.4	4162.7
55°	4326.0	4324.7	4211.6
56°	4391.9	4384.9	4260.5
57°	4458.6	4442.9	4308.6
58°	4527.0	4494.7	4353.5
59°	4596.7	4541.3	4400.6
60°	4668.6	4586.2	4445.1
61°	4738.7	4631.5	4483.0
62°	4808.9	4675.5	4515.2
63°	4879.9	4710.8	4548.3
64°	4949.2	4737.8	4589.7
65°	5018.9	4771.0	4635.0
66°	5086.0	4816.3	4662.5
67°	5145.2	4846.3	4667.3
68°	5187.1	4849.8	4664.2
69°	5228.9	4825.4	4613.2
70°	5253.3	4766.6	4432.9
71°	5239.3	4621.5	4074.0
72°	5168.8	4333.4	3604.9
73°	5069.4	3927.5	3151.4
74°	4916.1	3474.0	2713.5
75°	4630.2	2967.0	2065.2
76°	4238.7	2324.2	1203.6
77°	3767.1	1498.3	473.6
78°	3163.0	704.8	345.5
79°	2312.1	499.7	229.5
80°	1280.9	313.0	113.5
81°	569.2	126.4	100.7
82°	410.0	104.0	89.1
83°	262.8	89.0	77.7
84°	115.6	74.4	66.0
85°	88.3	59.7	53.9
86°	68.6	46.0	39.9
87°	50.5	33.6	27.1
88°	40.6	21.2	14.4
89°	30.9	8.8	5.9

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445042

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)