

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: P1445064

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445064
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 (4000K-120W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 21311.1 lumens
Efficiency: 45.8%
Efficacy: 176.9 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 120.5
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

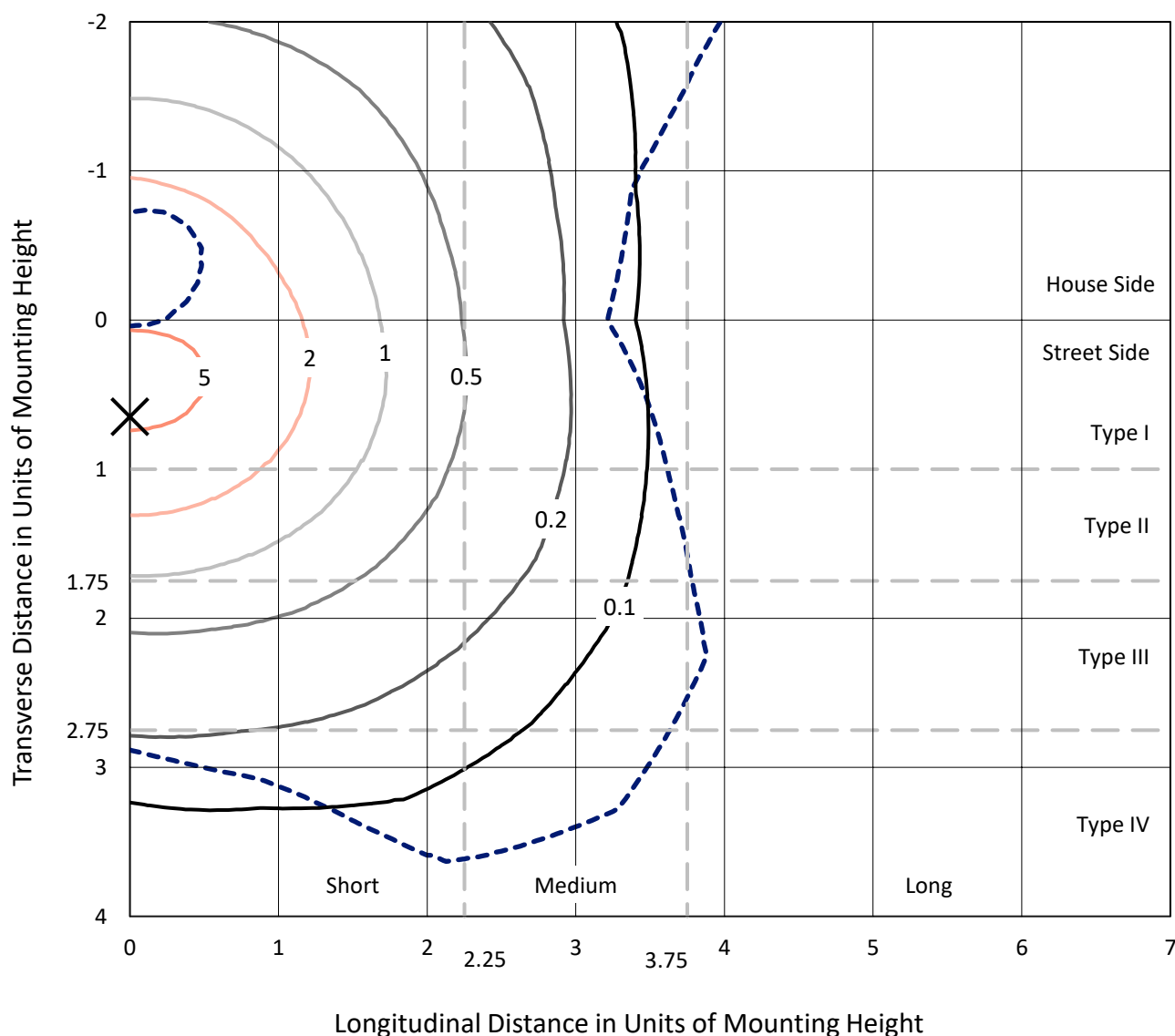
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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

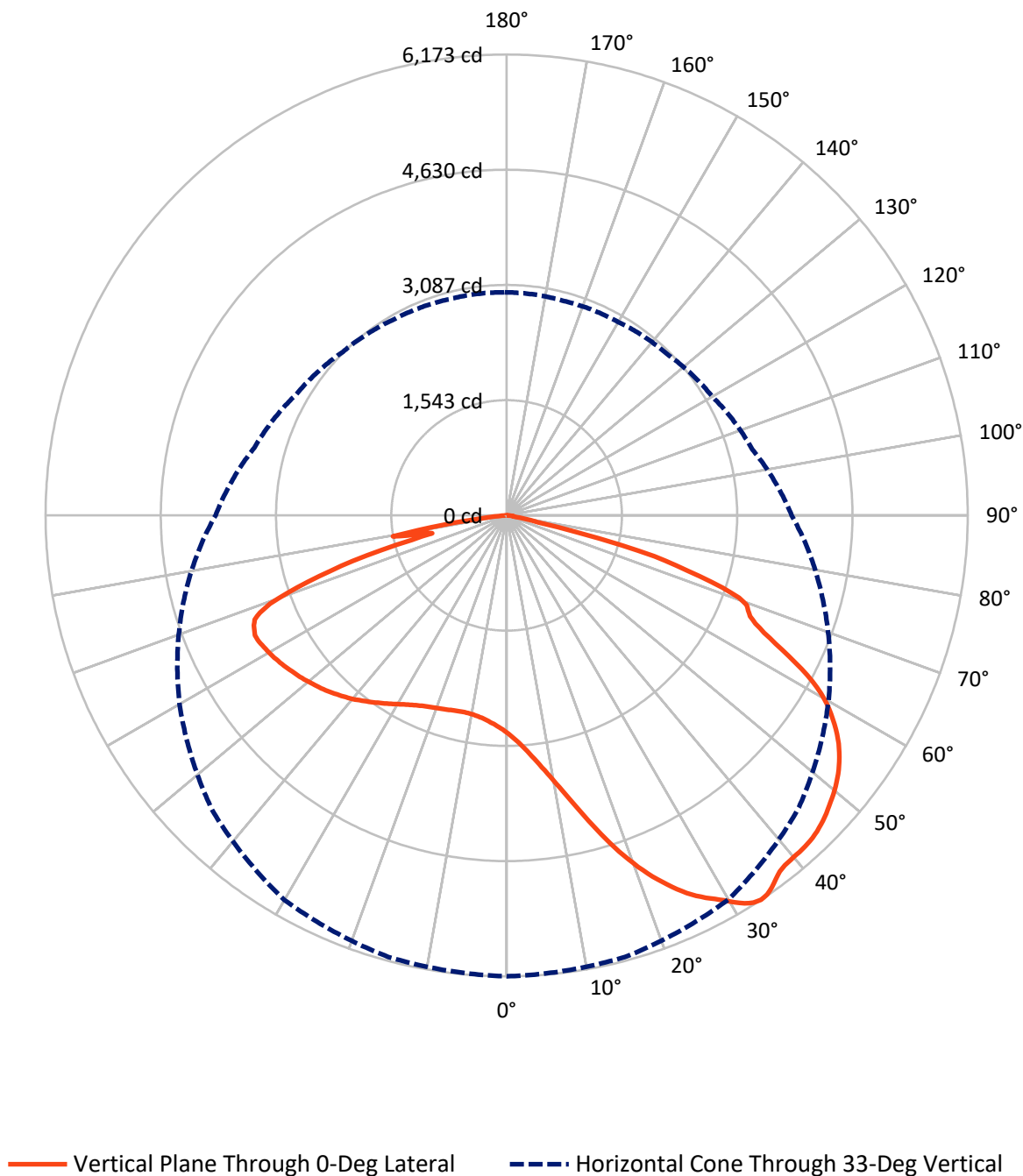


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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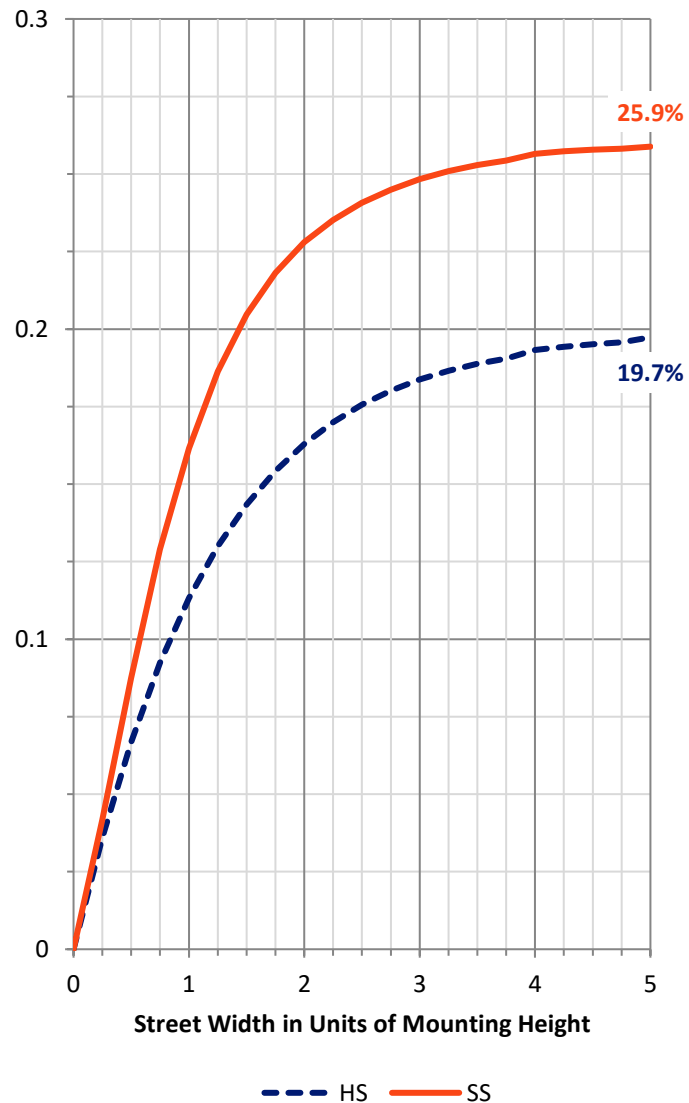
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9273.9	0.0	9273.9
	% Lamp	19.9	0.0	19.9
Street Side	Lumens	12037.2	0.0	12037.2
	% Lamp	25.9	0.0	25.9
Total	Lumens	21311.1	0.0	21311.1
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	287.9	1.4	0.6
10°-20°	952.4	4.5	2.0
20°-30°	1798.4	8.4	3.9
30°-40°	2710.2	12.7	5.8
40°-50°	3503.3	16.4	7.5
50°-60°	4195.9	19.7	9.0
60°-70°	4457.1	20.9	9.6
70°-80°	3054.2	14.3	6.6
80°-90°	351.8	1.7	0.8
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°	21311.1	100.0	45.8
0°-180°	21311.1	100.0	45.8

Coefficient of Utilization



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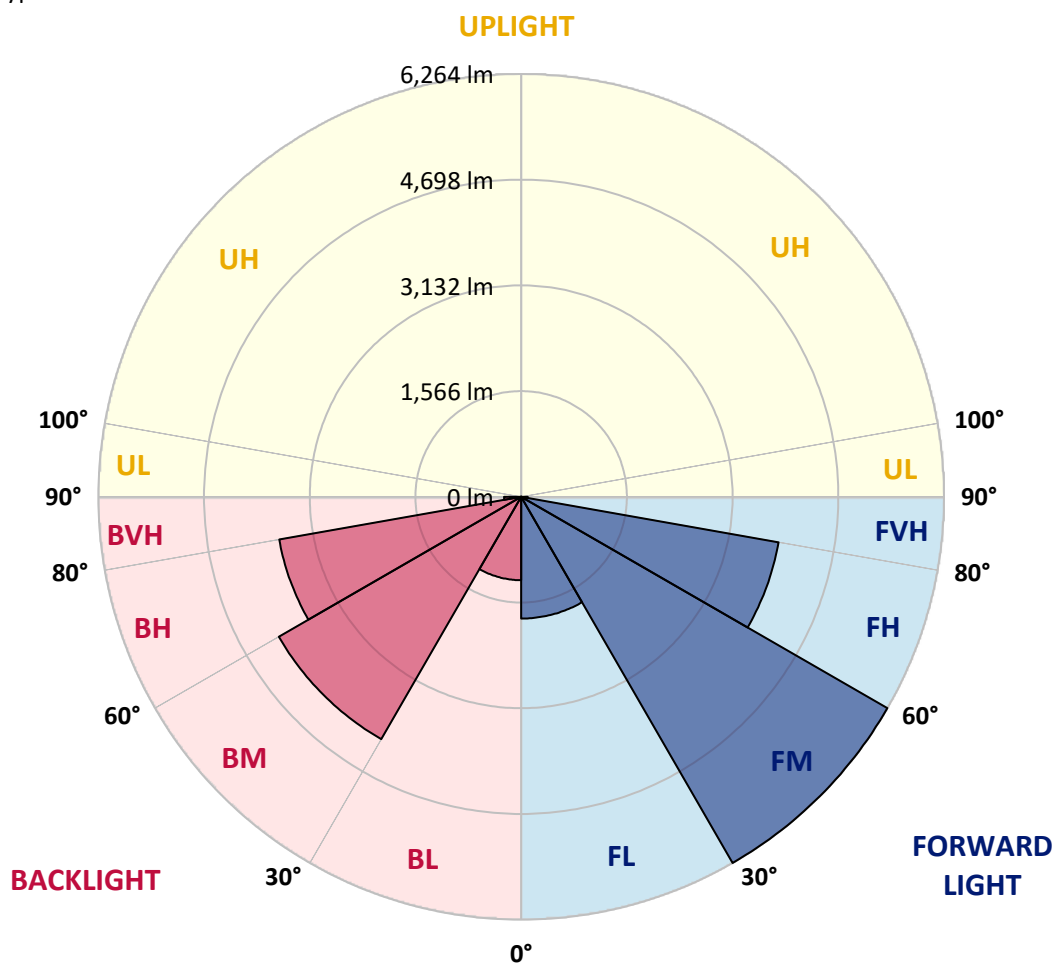
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1803.6	3.9			
FM	(30°-60°)	6263.8	13.5			
FH	(60°-80°)	3872.2	8.3			G2/5000
FVH	(80°-90°)	97.5	0.2			G1/100
BL	(0°-30°)	1235.1	2.7	B3/2500		
BM	(30°-60°)	4145.5	8.9	B3/5000		
BH	(60°-80°)	3639.1	7.8	B4/5000		G4/5000
BVH	(80°-90°)	254.3	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		25249.9	54.2			

BUG Rating: B4-U0-G4

Type IV Short



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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6
1°	2969.0	2968.0	2965.0	2960.5	2952.4	2942.2	2921.7	2911.1	2902.0	2894.4	2889.3
2°	3018.2	3015.1	3007.0	2994.0	2975.3	2954.5	2923.1	2902.3	2883.6	2868.9	2859.0
3°	3074.0	3068.4	3054.1	3030.6	3001.5	2969.1	2926.9	2895.8	2868.4	2847.6	2833.3
4°	3136.4	3128.0	3106.5	3073.2	3031.5	2986.9	2932.6	2891.3	2856.5	2829.6	2811.4
5°	3205.3	3193.6	3163.3	3119.5	3066.0	3007.9	2941.3	2890.0	2847.0	2815.1	2793.0
6°	3281.6	3267.0	3229.6	3171.2	3103.2	3030.2	2951.5	2890.4	2839.4	2802.5	2775.9
7°	3363.9	3346.7	3299.1	3228.0	3143.0	3054.4	2962.4	2891.6	2834.3	2791.4	2760.9
8°	3451.7	3431.5	3374.8	3289.4	3185.8	3080.9	2975.4	2895.0	2831.0	2782.0	2748.7
9°	3548.8	3526.2	3458.0	3355.3	3232.9	3110.1	2990.4	2899.4	2828.1	2774.7	2738.6
10°	3653.8	3624.1	3544.9	3426.2	3283.7	3141.2	3007.5	2904.9	2825.8	2770.3	2731.5
11°	3767.4	3733.7	3640.6	3501.3	3337.2	3175.0	3025.5	2912.1	2825.1	2767.0	2727.0
12°	3889.6	3848.4	3740.9	3582.2	3394.5	3211.5	3045.5	2921.8	2826.9	2765.6	2725.0
13°	4021.4	3973.1	3849.8	3667.2	3454.7	3250.1	3069.2	2933.0	2830.8	2765.8	2725.4
14°	4160.4	4106.5	3962.8	3758.1	3520.3	3292.3	3095.6	2946.0	2835.8	2768.0	2728.2
15°	4305.1	4243.9	4080.4	3853.5	3588.2	3336.0	3122.8	2960.6	2842.4	2771.9	2732.4
16°	4454.0	4382.9	4202.3	3951.6	3660.5	3382.9	3152.3	2978.3	2850.9	2777.1	2738.3
17°	4600.8	4523.9	4326.7	4050.4	3735.1	3433.0	3184.5	2996.8	2861.9	2784.6	2746.2
18°	4745.9	4663.5	4450.6	4153.4	3811.5	3485.6	3218.6	3017.5	2874.0	2794.2	2755.6
19°	4887.4	4800.9	4575.0	4254.5	3888.9	3539.2	3252.8	3039.4	2888.3	2804.4	2765.8
20°	5025.1	4931.8	4694.2	4355.2	3968.1	3593.4	3288.4	3063.0	2903.5	2817.1	2777.9
21°	5154.2	5059.5	4812.3	4456.0	4048.6	3650.6	3325.6	3087.8	2920.4	2830.5	2789.4
22°	5276.4	5180.3	4923.1	4554.4	4128.3	3710.0	3363.3	3112.7	2938.8	2845.5	2802.7
23°	5389.5	5297.5	5032.5	4652.1	4210.2	3769.9	3400.8	3137.5	2957.8	2861.4	2816.6
24°	5498.9	5407.3	5137.3	4745.5	4288.1	3829.2	3437.2	3162.6	2977.6	2877.3	2831.4
25°	5603.2	5514.4	5240.7	4837.9	4366.5	3887.1	3474.1	3187.2	2998.0	2894.4	2846.5
26°	5691.6	5609.6	5340.5	4928.6	4442.6	3946.6	3512.3	3212.6	3019.2	2911.8	2861.8
27°	5772.6	5696.1	5437.5	5015.5	4518.4	4007.6	3550.6	3237.5	3040.6	2929.3	2878.0
28°	5845.3	5772.6	5526.8	5102.5	4593.5	4068.3	3590.7	3262.7	3062.3	2947.8	2894.2
29°	5923.1	5848.1	5611.5	5187.6	4665.8	4130.7	3632.8	3289.9	3085.1	2965.8	2912.4
30°	6015.6	5936.4	5694.3	5273.2	4738.2	4195.5	3677.0	3318.8	3108.3	2985.2	2930.8
31°	6093.0	6019.3	5785.4	5360.6	4813.7	4259.2	3722.1	3347.9	3132.2	3005.2	2950.5
32°	6150.6	6084.3	5869.6	5448.1	4891.5	4321.7	3769.5	3377.2	3156.5	3026.3	2970.5
33°	6173.1	6122.3	5939.6	5532.7	4975.7	4384.0	3815.7	3406.6	3180.8	3047.7	2990.3
34°	6160.2	6120.0	5986.8	5609.2	5057.6	4453.8	3864.1	3436.9	3203.2	3068.4	3010.0
35°	6116.3	6085.2	5995.5	5669.1	5129.0	4527.8	3914.2	3468.0	3226.1	3090.5	3031.9
36°	6058.2	6034.4	5974.0	5708.5	5193.1	4599.9	3966.3	3500.3	3249.4	3113.4	3055.3
37°	6009.2	5975.8	5937.3	5717.2	5241.2	4662.2	4017.8	3531.4	3274.7	3137.3	3082.1
38°	5986.3	5937.8	5899.3	5706.7	5278.2	4715.7	4071.6	3560.6	3300.2	3164.0	3109.9
39°	5978.1	5918.6	5871.9	5692.5	5295.6	4760.6	4126.6	3591.9	3326.4	3192.9	3139.0
40°	5975.3	5909.0	5858.6	5685.1	5301.1	4794.0	4176.5	3625.7	3353.9	3225.1	3169.4
41°	5973.0	5902.6	5854.5	5685.1	5309.4	4817.8	4218.8	3662.6	3382.8	3255.9	3199.4
42°	5966.2	5897.5	5854.0	5693.8	5325.4	4839.3	4253.4	3697.2	3414.1	3289.9	3230.4
43°	5952.9	5890.2	5853.6	5708.9	5345.1	4864.9	4281.7	3728.7	3447.5	3324.3	3259.9
44°	5931.8	5881.0	5851.7	5726.3	5368.9	4897.9	4309.7	3759.3	3482.9	3361.2	3289.1

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5903.9	5865.5	5847.6	5742.4	5395.9	4934.5	4340.0	3791.4	3518.3	3397.9	3317.4
46°	5869.6	5845.3	5840.8	5755.6	5426.1	4971.1	4372.8	3825.5	3555.4	3434.3	3345.2
47°	5832.5	5823.8	5832.5	5765.2	5456.7	5009.1	4404.3	3863.3	3592.0	3469.8	3374.2
48°	5793.2	5799.6	5821.5	5772.1	5486.5	5047.6	4436.8	3903.2	3628.9	3505.3	3402.6
49°	5752.4	5774.4	5806.0	5776.7	5516.3	5084.6	4467.4	3943.3	3667.5	3540.0	3433.8
50°	5708.5	5748.3	5787.2	5778.5	5543.7	5121.7	4496.2	3985.2	3706.1	3574.4	3465.3
51°	5658.6	5718.1	5764.8	5778.1	5568.9	5156.0	4522.3	4027.0	3744.1	3609.5	3499.7
52°	5602.8	5681.0	5739.2	5774.9	5594.5	5190.4	4546.1	4068.6	3782.1	3645.5	3536.1
53°	5541.0	5639.4	5711.7	5771.2	5616.0	5220.6	4567.3	4108.5	3822.0	3683.0	3574.7
54°	5471.4	5585.8	5681.9	5763.4	5634.3	5248.5	4588.9	4146.0	3863.6	3722.6	3615.5
55°	5394.0	5523.1	5649.0	5752.9	5650.4	5273.2	4608.6	4181.3	3905.4	3763.7	3657.6
56°	5306.2	5450.8	5608.2	5736.9	5663.2	5294.7	4627.4	4215.2	3947.9	3807.7	3699.1
57°	5206.8	5367.5	5559.3	5715.8	5671.4	5313.0	4643.9	4248.0	3991.9	3855.1	3740.4
58°	5096.5	5271.4	5499.3	5690.6	5674.6	5327.2	4656.2	4277.6	4037.8	3905.1	3780.2
59°	4978.9	5162.0	5432.9	5662.3	5671.9	5335.5	4665.4	4304.6	4081.5	3956.1	3817.0
60°	4837.9	5039.8	5356.1	5628.4	5662.3	5337.3	4670.0	4328.8	4125.5	4009.7	3852.0
61°	4663.1	4897.4	5270.5	5586.3	5644.4	5328.6	4668.1	4347.7	4171.1	4065.2	3891.2
62°	4455.0	4726.7	5174.3	5535.9	5623.4	5309.4	4659.9	4362.1	4217.6	4122.1	3930.8
63°	4221.5	4529.6	5064.5	5475.5	5593.6	5286.0	4649.4	4373.4	4263.7	4179.4	3970.2
64°	3990.4	4321.0	4941.8	5405.9	5552.9	5252.2	4632.4	4377.1	4307.7	4238.5	4007.4
65°	3789.7	4125.9	4809.1	5324.5	5505.3	5208.7	4605.9	4376.0	4350.1	4295.6	4043.5
66°	3630.4	3947.1	4666.3	5232.0	5447.1	5158.8	4565.1	4370.8	4385.9	4352.5	4080.4
67°	3528.5	3797.3	4526.6	5123.5	5370.2	5087.8	4505.1	4349.1	4418.8	4404.0	4113.7
68°	3476.3	3687.5	4392.9	5000.4	5279.2	4991.7	4409.1	4308.6	4446.5	4454.0	4143.8
69°	3430.9	3610.5	4269.3	4864.0	5164.7	4866.8	4257.7	4232.8	4464.9	4497.4	4160.0
70°	3302.6	3542.8	4154.5	4716.6	5025.6	4691.0	4023.4	4101.4	4463.4	4535.7	4169.4
71°	3047.8	3423.5	4053.9	4566.0	4862.2	4453.0	3687.0	3906.0	4433.2	4562.1	4169.8
72°	2708.1	3217.3	3955.5	4412.3	4672.2	4158.5	3319.1	3650.6	4366.7	4573.8	4142.5
73°	2367.9	2928.1	3843.1	4263.2	4451.8	3814.7	2977.3	3362.4	4251.0	4554.8	4090.6
74°	2053.1	2606.2	3704.2	4108.4	4196.0	3457.3	2665.7	3088.4	4099.4	4497.3	4004.0
75°	1595.5	2252.3	3524.3	3921.3	3913.6	3081.3	2301.6	2825.4	3915.8	4389.7	3844.1
76°	975.8	1813.9	3271.3	3709.7	3604.0	2673.7	1760.0	2490.8	3728.2	4217.7	3626.1
77°	431.9	1198.2	2946.2	3411.6	3255.6	2143.8	1142.5	1977.1	3518.6	3935.8	3383.1
78°	324.6	579.9	2531.8	3011.4	2835.0	1472.8	529.1	1405.2	3255.5	3520.3	3077.4
79°	224.8	423.3	2000.4	2509.2	2333.7	812.7	214.8	833.2	2827.8	2968.1	2662.7
80°	125.0	275.9	1291.1	1898.0	1738.9	371.7	143.0	267.8	2161.9	2363.2	2237.0
81°	109.0	128.4	653.9	1245.2	1060.4	255.7	123.6	162.0	1531.2	1824.0	1881.9
82°	95.9	110.0	477.9	608.7	491.1	146.7	108.7	132.3	900.5	1375.7	1656.7
83°	83.2	95.0	308.1	451.2	354.5	120.7	93.9	112.3	282.1	1098.1	1543.8
84°	70.4	80.2	138.2	298.6	230.8	101.0	79.0	92.2	185.6	820.6	1169.7
85°	57.3	65.6	102.5	146.0	107.2	82.1	65.2	72.2	149.5	544.0	795.5
86°	42.9	51.8	75.1	119.1	81.9	63.2	51.3	56.5	120.1	334.9	429.2
87°	31.1	39.0	56.1	91.2	62.0	46.1	37.0	42.4	90.7	232.9	299.6
88°	19.3	26.2	38.8	59.8	44.4	32.2	23.6	30.0	61.5	131.0	170.1
89°	7.6	13.3	21.5	31.8	24.9	18.3	16.5	20.9	42.0	29.3	43.2

REPORT NUMBER: P1445064

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

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: P1445064

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

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: P1445064
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

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: P1445064

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6	2926.6
1°	2887.2	2887.3	2891.1	2896.9	2905.8	2915.5	2925.8	2926.2	2936.4	2946.1	2955.3
2°	2854.0	2853.7	2858.9	2869.1	2883.4	2901.5	2921.2	2932.0	2953.0	2972.8	2990.7
3°	2825.9	2824.2	2831.0	2844.2	2863.5	2889.1	2918.0	2939.3	2971.6	3002.8	3030.9
4°	2801.5	2800.0	2807.4	2823.0	2847.3	2879.1	2916.6	2948.2	2991.9	3035.5	3076.0
5°	2780.5	2777.9	2787.1	2805.3	2833.4	2870.9	2916.5	2958.3	3013.6	3070.1	3124.6
6°	2760.5	2757.9	2768.1	2789.0	2821.3	2864.5	2918.8	2970.6	3037.6	3108.6	3177.0
7°	2743.4	2740.1	2751.1	2775.0	2810.1	2859.2	2921.3	2983.9	3064.0	3150.0	3233.3
8°	2728.9	2724.9	2737.2	2763.5	2801.2	2854.9	2924.9	2998.2	3092.2	3194.5	3293.7
9°	2717.7	2712.9	2726.1	2753.1	2795.0	2852.0	2930.1	3014.2	3122.9	3241.9	3358.9
10°	2708.6	2704.1	2717.1	2745.5	2789.8	2850.8	2938.1	3033.6	3155.9	3293.2	3429.8
11°	2703.2	2698.5	2711.5	2741.1	2786.4	2852.8	2948.1	3055.8	3193.0	3348.7	3505.5
12°	2701.6	2696.1	2708.7	2738.7	2786.1	2856.4	2960.3	3080.2	3233.1	3407.9	3586.3
13°	2702.2	2696.0	2709.3	2739.1	2788.0	2862.7	2974.6	3106.0	3276.0	3471.2	3675.2
14°	2704.1	2698.3	2711.5	2742.3	2791.2	2870.2	2990.3	3132.8	3320.1	3539.2	3767.1
15°	2708.7	2702.2	2715.2	2746.9	2797.0	2879.8	3007.5	3163.1	3367.3	3609.8	3864.8
16°	2714.8	2708.1	2721.1	2753.1	2805.8	2891.3	3026.5	3195.6	3416.6	3685.4	3966.0
17°	2721.8	2715.5	2729.2	2761.4	2815.7	2904.8	3047.1	3229.2	3469.2	3762.6	4069.1
18°	2730.8	2723.8	2738.8	2772.1	2826.6	2919.3	3069.8	3265.3	3522.6	3843.0	4176.2
19°	2740.9	2732.3	2749.3	2784.2	2839.4	2935.3	3093.3	3301.5	3578.1	3924.4	4279.8
20°	2750.8	2741.3	2760.5	2797.6	2853.4	2953.2	3119.2	3339.0	3635.8	4006.8	4385.2
21°	2760.3	2750.4	2772.7	2812.4	2869.4	2972.7	3145.7	3377.6	3696.0	4091.1	4487.1
22°	2770.7	2759.9	2785.1	2827.3	2885.9	2993.4	3173.1	3415.7	3755.6	4173.9	4587.1
23°	2782.0	2771.2	2797.9	2843.6	2903.2	3014.9	3200.5	3453.9	3817.2	4257.9	4684.6
24°	2795.3	2784.5	2812.0	2860.6	2920.3	3037.6	3228.9	3491.8	3878.0	4340.0	4778.4
25°	2809.6	2799.3	2827.8	2879.0	2937.7	3061.1	3256.2	3531.2	3939.9	4421.0	4869.5
26°	2825.5	2816.6	2845.4	2897.0	2955.6	3084.1	3284.4	3569.7	4002.3	4498.3	4958.8
27°	2843.5	2836.2	2864.4	2914.6	2974.0	3107.5	3312.5	3610.4	4064.8	4576.3	5049.8
28°	2862.9	2857.6	2885.6	2932.3	2993.7	3131.4	3341.7	3653.6	4128.9	4652.1	5142.8
29°	2884.2	2880.8	2907.6	2951.2	3013.8	3154.7	3372.2	3698.3	4195.2	4729.5	5232.0
30°	2906.2	2906.3	2929.6	2969.9	3034.7	3178.5	3403.9	3745.5	4262.3	4810.0	5320.4
31°	2928.0	2931.7	2951.5	2989.1	3056.2	3201.8	3435.8	3795.0	4332.8	4894.2	5415.1
32°	2950.4	2959.7	2973.9	3008.5	3077.6	3225.5	3466.7	3844.0	4404.4	4976.6	5497.5
33°	2973.3	2988.0	2996.6	3028.5	3099.3	3248.3	3498.0	3896.7	4478.9	5056.3	5576.7
34°	2996.7	3015.4	3019.1	3048.4	3120.4	3269.8	3530.0	3949.5	4548.8	5130.4	5640.7
35°	3020.3	3044.6	3042.4	3070.1	3142.0	3292.0	3562.8	4002.2	4614.6	5195.9	5685.6
36°	3044.4	3074.9	3066.1	3093.6	3163.9	3315.5	3594.6	4052.5	4677.3	5247.1	5704.8
37°	3069.1	3104.1	3089.0	3120.4	3188.3	3339.4	3624.1	4105.2	4730.8	5277.8	5706.7
38°	3092.0	3132.9	3111.0	3148.7	3216.6	3364.6	3653.9	4154.4	4771.6	5292.4	5695.7
39°	3114.3	3163.5	3132.8	3179.0	3246.9	3391.2	3681.0	4198.4	4800.9	5301.6	5684.2
40°	3138.0	3194.1	3155.7	3209.4	3278.6	3417.9	3710.1	4237.2	4821.5	5311.2	5681.5
41°	3162.1	3222.2	3180.6	3240.0	3312.4	3446.6	3738.2	4272.5	4840.7	5325.4	5690.2
42°	3186.8	3250.6	3206.8	3269.9	3348.2	3476.6	3769.1	4305.4	4866.8	5344.2	5708.0
43°	3212.1	3277.7	3233.7	3299.1	3384.5	3507.9	3804.2	4338.9	4902.0	5367.0	5728.6
44°	3237.8	3304.4	3261.8	3328.7	3419.7	3543.5	3841.3	4371.3	4940.9	5395.9	5747.8

REPORT NUMBER: P1445064

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3264.8	3330.9	3290.0	3357.9	3455.1	3580.7	3878.4	4402.6	4978.0	5428.8	5764.3
46°	3293.0	3356.3	3320.2	3387.6	3489.6	3620.0	3914.3	4434.1	5014.1	5464.5	5778.1
47°	3323.9	3383.0	3351.7	3416.8	3524.2	3661.6	3953.2	4466.6	5050.3	5499.8	5787.7
48°	3357.9	3405.9	3385.3	3446.1	3557.7	3704.7	3996.4	4495.1	5089.2	5531.8	5794.1
49°	3393.6	3429.1	3420.4	3477.3	3591.9	3746.5	4039.5	4521.2	5128.1	5561.1	5799.1
50°	3428.8	3452.1	3457.4	3510.6	3626.8	3787.3	4082.6	4544.5	5163.8	5586.7	5801.4
51°	3465.2	3476.9	3493.8	3545.7	3662.0	3825.9	4125.0	4566.3	5197.7	5610.1	5801.4
52°	3502.3	3500.2	3531.9	3583.2	3699.3	3864.4	4165.7	4588.9	5227.9	5631.1	5799.6
53°	3539.6	3522.0	3569.3	3622.7	3737.4	3904.4	4203.0	4609.1	5254.9	5649.9	5796.4
54°	3576.6	3543.0	3605.2	3663.3	3777.9	3945.1	4236.9	4628.3	5277.8	5665.5	5789.5
55°	3610.0	3564.8	3637.3	3706.0	3821.6	3987.8	4268.0	4643.9	5296.6	5676.0	5779.4
56°	3638.9	3586.0	3665.7	3748.6	3867.7	4031.6	4296.3	4658.1	5310.3	5684.7	5763.4
57°	3663.1	3606.9	3692.3	3792.0	3916.7	4074.3	4322.1	4670.9	5316.7	5687.9	5742.4
58°	3686.6	3627.2	3716.1	3830.7	3969.0	4117.1	4345.6	4679.1	5320.4	5683.3	5711.2
59°	3708.8	3647.1	3738.2	3866.4	4022.6	4159.7	4365.4	4681.4	5318.1	5673.2	5677.4
60°	3729.6	3664.4	3757.3	3903.1	4077.9	4200.8	4380.1	4678.7	5306.6	5659.1	5636.6
61°	3746.7	3680.4	3773.4	3943.4	4134.0	4241.6	4389.6	4675.4	5287.9	5639.4	5594.1
62°	3760.5	3697.1	3788.3	3984.0	4191.5	4284.4	4394.1	4668.6	5263.1	5609.6	5543.7
63°	3776.5	3712.6	3804.4	4019.3	4247.0	4326.3	4395.7	4652.1	5230.2	5570.7	5482.4
64°	3791.1	3728.5	3821.5	4052.0	4304.9	4365.8	4391.6	4626.9	5188.1	5521.7	5405.5
65°	3804.5	3731.4	3833.2	4085.4	4361.2	4403.3	4380.3	4583.9	5129.9	5460.9	5313.5
66°	3811.9	3711.9	3832.4	4120.3	4413.2	4436.9	4354.7	4516.0	5051.7	5385.3	5206.4
67°	3808.1	3689.9	3822.9	4149.1	4463.1	4457.4	4308.4	4424.6	4947.8	5298.4	5089.7
68°	3797.1	3651.2	3808.9	4172.6	4505.6	4460.0	4235.7	4275.9	4814.6	5189.9	4962.0
69°	3763.4	3550.5	3769.0	4184.8	4541.0	4445.8	4121.7	4042.6	4644.8	5058.1	4825.6
70°	3689.0	3380.0	3681.7	4185.8	4566.7	4411.8	3937.4	3713.4	4411.9	4901.1	4675.0
71°	3556.6	3121.0	3533.1	4170.3	4579.3	4346.4	3677.5	3332.1	4104.7	4710.2	4516.3
72°	3341.8	2803.0	3301.3	4132.5	4568.0	4251.3	3392.3	2991.8	3759.3	4498.6	4356.5
73°	3044.2	2476.6	3015.4	4072.1	4510.4	4107.9	3126.5	2685.5	3389.0	4239.0	4189.5
74°	2720.0	2149.7	2689.9	3956.6	4400.0	3937.4	2872.3	2336.4	3025.5	3937.9	4009.3
75°	2383.0	1740.6	2340.7	3772.5	4242.0	3758.8	2521.7	1797.3	2616.0	3601.7	3793.6
76°	2022.4	1310.4	1976.0	3553.9	4001.7	3566.3	2001.2	1121.1	2098.6	3247.8	3538.2
77°	1615.6	1025.9	1594.2	3298.9	3636.9	3308.1	1416.3	524.2	1449.0	2841.3	3182.6
78°	1348.7	1075.8	1368.2	2970.8	3140.0	2899.3	831.4	382.9	787.3	2350.4	2686.6
79°	1394.9	1356.8	1471.3	2544.3	2590.8	2277.0	247.9	255.9	350.0	1783.0	2103.2
80°	1676.4	1548.6	1743.7	2104.1	2051.6	1608.6	161.6	128.9	248.7	1123.9	1456.4
81°	1774.0	1201.0	1739.1	1716.6	1593.8	940.3	132.9	110.7	148.3	535.5	805.8
82°	1341.6	853.4	1305.2	1557.0	1268.5	285.0	114.1	96.5	122.8	391.0	581.4
83°	909.3	507.1	871.2	1227.1	943.1	191.3	95.2	82.6	103.9	253.6	368.7
84°	478.9	270.6	439.6	897.3	619.2	156.9	76.4	68.6	86.2	116.3	156.0
85°	253.1	163.2	244.8	567.5	360.5	127.7	60.9	53.9	67.2	87.0	131.3
86°	202.7	57.1	196.1	315.7	253.8	98.5	46.9	40.5	50.4	66.4	105.8
87°	152.4	38.5	147.4	252.7	147.2	69.4	33.9	27.1	36.1	48.6	75.1
88°	102.0	19.9	98.7	189.8	41.4	52.7	23.4	13.7	22.0	31.0	41.0
89°	51.6	1.8	50.0	126.8	21.9	36.0	12.9	4.6	7.8	23.5	30.9

REPORT NUMBER: P1445064

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

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: P1445064

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

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: P1445064
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

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: P1445064

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2926.6	2926.6	2926.6
1°	2961.5	2966.9	2969.0
2°	3005.4	3015.3	3018.2
3°	3054.6	3069.4	3074.0
4°	3108.9	3129.7	3136.4
5°	3167.8	3196.2	3205.3
6°	3232.8	3269.4	3281.6
7°	3303.0	3348.8	3363.9
8°	3377.9	3433.5	3451.7
9°	3459.4	3526.3	3548.8
10°	3547.4	3628.1	3653.8
11°	3642.2	3736.8	3767.4
12°	3743.2	3852.3	3889.6
13°	3853.2	3977.6	4021.4
14°	3966.0	4109.0	4160.4
15°	4084.3	4245.9	4305.1
16°	4209.5	4388.7	4454.0
17°	4338.9	4530.8	4600.8
18°	4467.1	4675.0	4745.9
19°	4591.2	4811.4	4887.4
20°	4712.5	4942.7	5025.1
21°	4830.2	5066.8	5154.2
22°	4942.3	5185.8	5276.4
23°	5049.4	5303.4	5389.5
24°	5154.2	5416.5	5498.9
25°	5258.6	5525.4	5603.2
26°	5362.0	5624.7	5691.6
27°	5462.2	5712.1	5772.6
28°	5552.0	5788.1	5845.3
29°	5637.1	5866.9	5923.1
30°	5723.1	5953.4	6015.6
31°	5808.7	6033.5	6093.0
32°	5889.3	6092.0	6150.6
33°	5947.4	6120.9	6173.1
34°	5978.1	6115.4	6160.2
35°	5978.5	6079.2	6116.3
36°	5958.4	6023.8	6058.2
37°	5920.9	5969.8	6009.2
38°	5887.0	5934.1	5986.3
39°	5870.1	5918.6	5978.1
40°	5864.1	5910.8	5975.3
41°	5862.7	5907.1	5973.0
42°	5862.7	5903.0	5966.2
43°	5863.2	5898.0	5952.9
44°	5863.2	5889.3	5931.8

REPORT NUMBER: P1445064

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5861.8	5874.2	5903.9
46°	5859.1	5854.0	5869.6
47°	5853.1	5831.6	5832.5
48°	5844.4	5807.3	5793.2
49°	5829.3	5782.2	5752.4
50°	5811.0	5757.9	5708.5
51°	5787.7	5729.5	5658.6
52°	5760.7	5694.3	5602.8
53°	5732.3	5652.2	5541.0
54°	5703.0	5598.2	5471.4
55°	5669.6	5535.0	5394.0
56°	5629.3	5462.2	5306.2
57°	5579.4	5377.6	5206.8
58°	5518.1	5280.1	5096.5
59°	5450.3	5169.3	4978.9
60°	5372.5	5048.5	4837.9
61°	5281.9	4910.7	4663.1
62°	5183.0	4745.5	4455.0
63°	5078.7	4552.6	4221.5
64°	4962.9	4342.2	3990.4
65°	4833.4	4146.1	3789.7
66°	4693.8	3977.1	3630.4
67°	4555.5	3833.5	3528.5
68°	4418.2	3724.9	3476.3
69°	4298.9	3640.3	3430.9
70°	4194.4	3565.6	3302.6
71°	4086.2	3445.6	3047.8
72°	3962.7	3233.4	2708.1
73°	3845.5	2939.4	2367.9
74°	3696.4	2601.7	2053.1
75°	3474.8	2235.3	1595.5
76°	3181.6	1789.1	975.8
77°	2842.7	1197.5	431.9
78°	2409.5	601.7	324.6
79°	1809.8	434.6	224.8
80°	1051.1	283.4	125.0
81°	502.7	132.3	109.0
82°	374.9	109.8	95.9
83°	250.4	95.8	83.2
84°	125.9	80.3	70.4
85°	91.9	64.5	57.3
86°	69.1	50.1	42.9
87°	50.7	37.1	31.1
88°	40.6	24.0	19.3
89°	30.9	11.0	7.6

REPORT NUMBER: P1445064

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

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: P1445064

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

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: P1445064

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)