

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: P1436775

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436775
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 (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

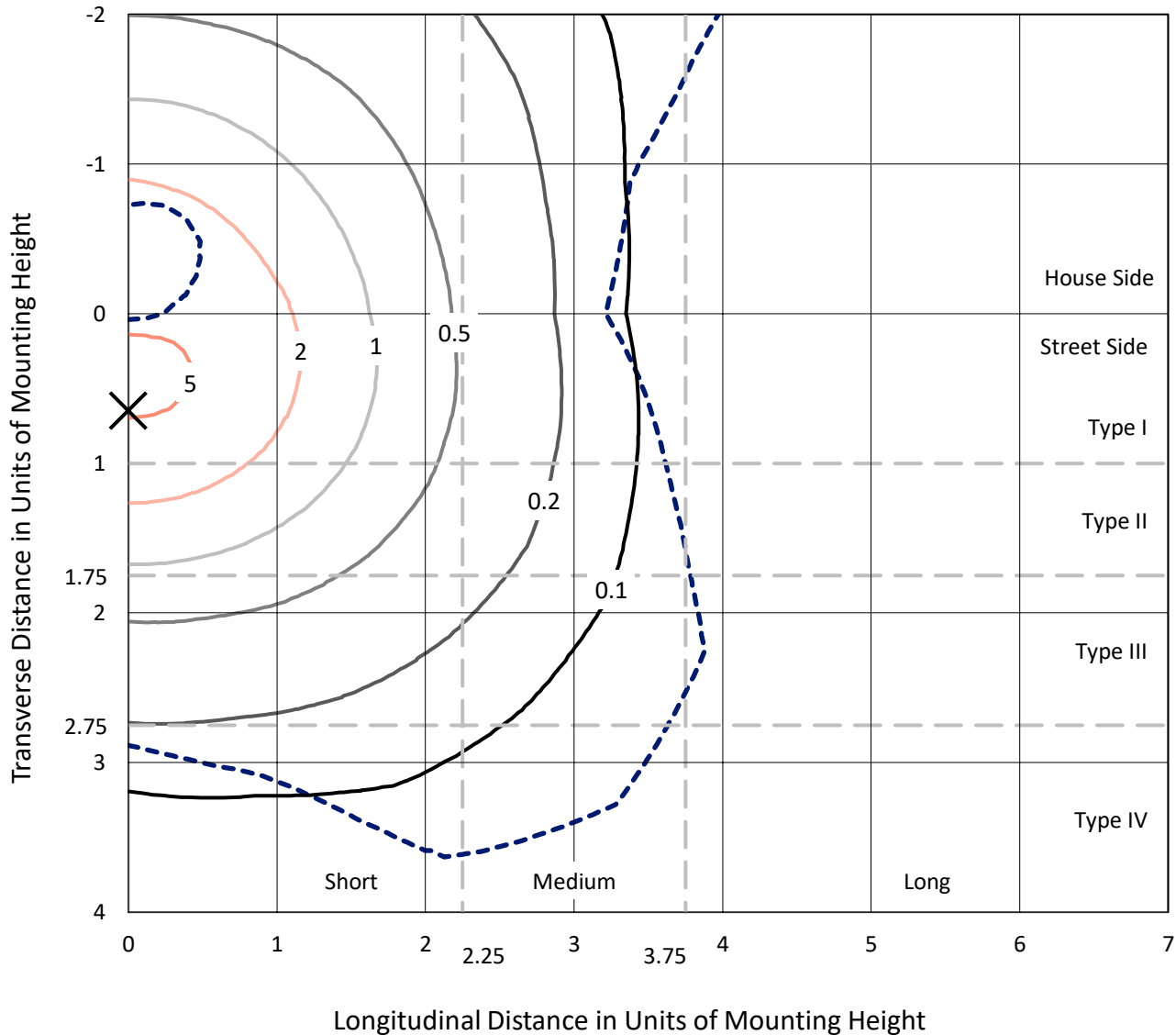
Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 19839.6 lumens
Efficiency: 42.6%
Efficacy: 157.3 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 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

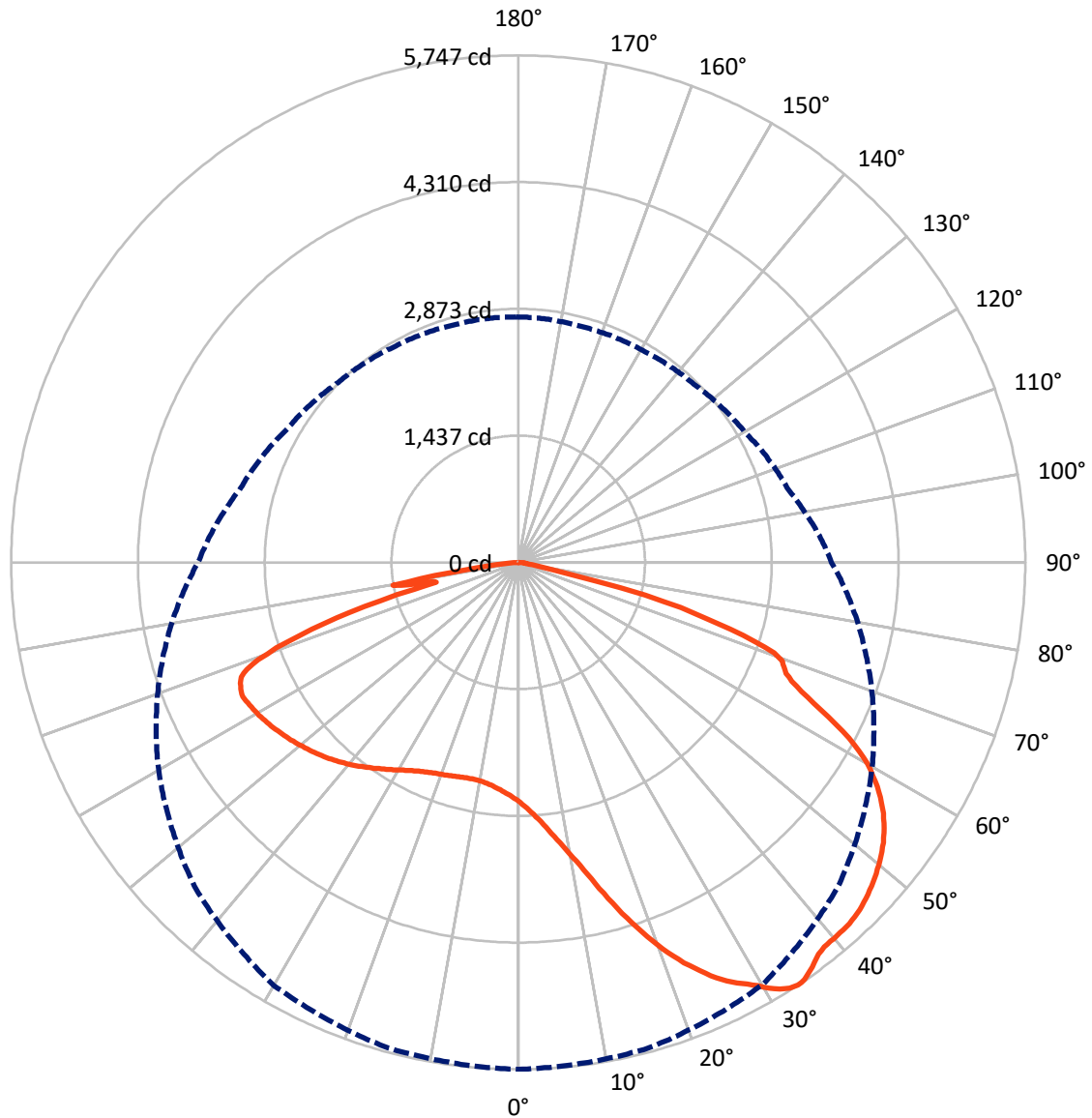
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

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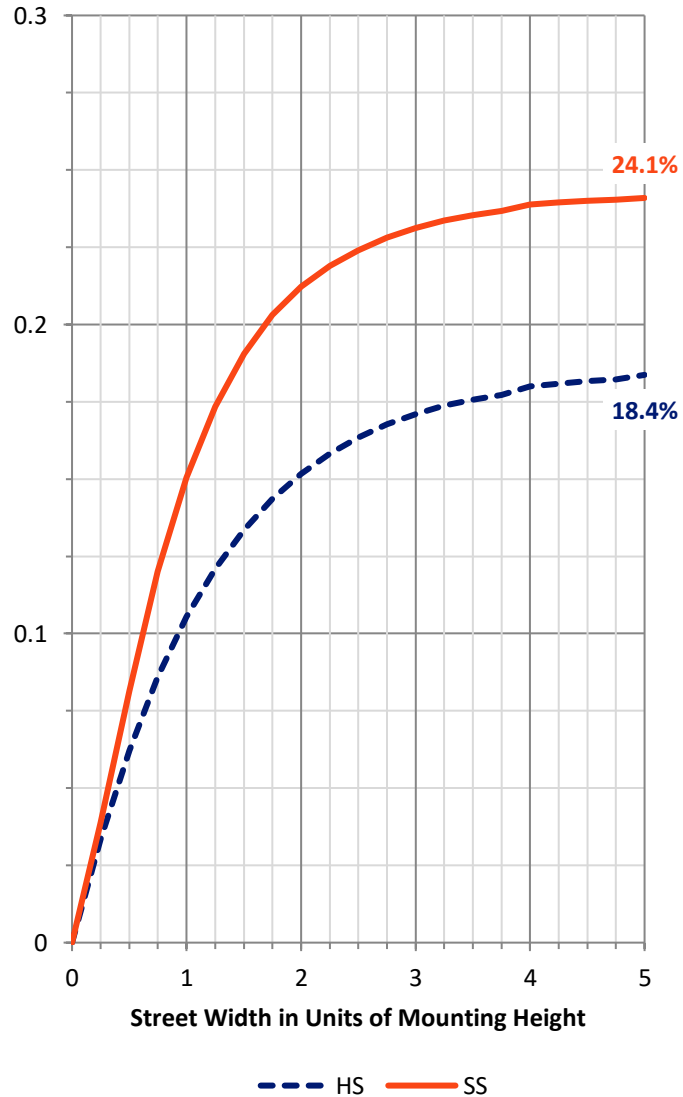
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8633.6	0.0	8633.6
	% Lamp	18.5	0.0	18.5
Street Side	Lumens	11206.1	0.0	11206.1
	% Lamp	24.1	0.0	24.1
Total	Lumens	19839.6	0.0	19839.6
	% Lamp	42.6	0.0	42.6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	268.0	1.4	0.6
10°-20°	886.6	4.5	1.9
20°-30°	1674.2	8.4	3.6
30°-40°	2523.1	12.7	5.4
40°-50°	3261.4	16.4	7.0
50°-60°	3906.1	19.7	8.4
60°-70°	4149.4	20.9	8.9
70°-80°	2843.3	14.3	6.1
80°-90°	327.5	1.7	0.7
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°	19839.6	100.0	42.6
0°-180°	19839.6	100.0	42.6

Coefficient of Utilization



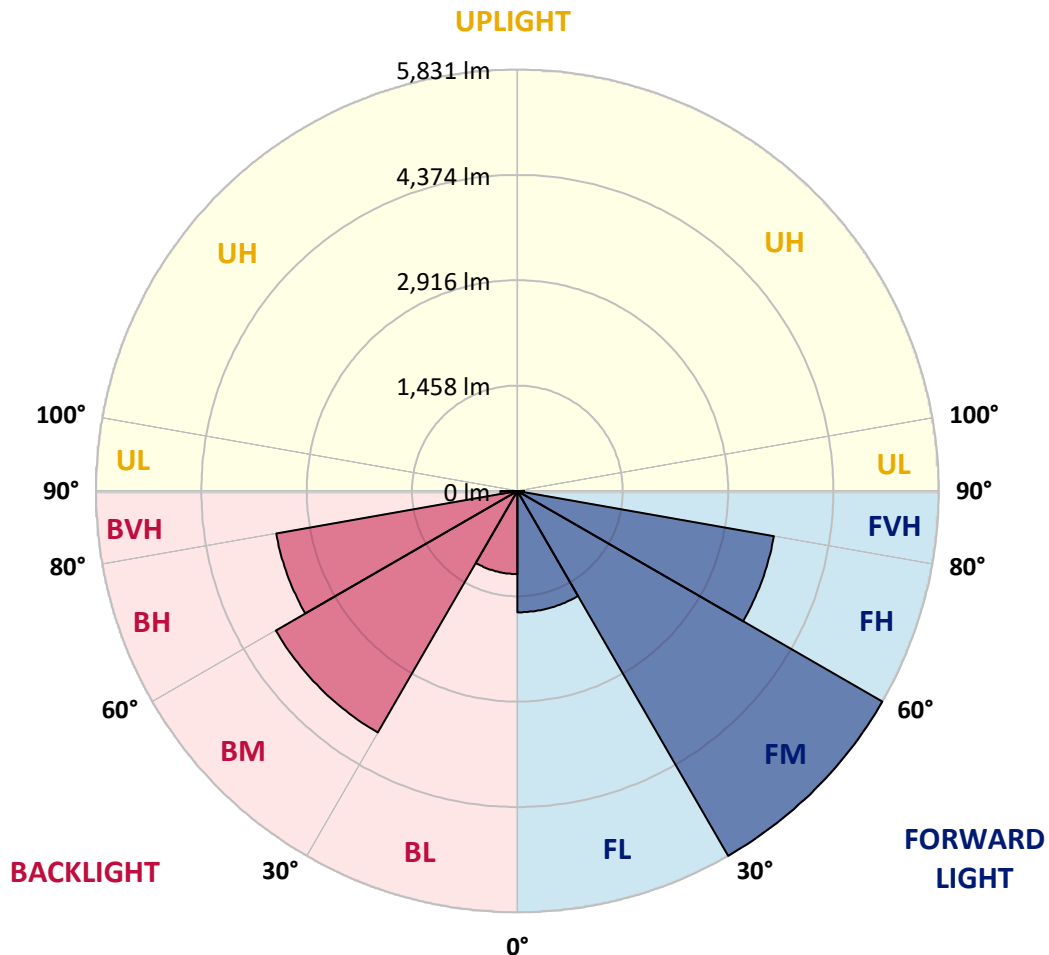
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1679.0	3.6			
FM (30°-60°)	5831.3	12.5			
FH (60°-80°)	3604.9	7.7			G2/5000
FVH (80°-90°)	90.8	0.2			G1/100
BL (0°-30°)	1149.8	2.5	B3/2500		
BM (30°-60°)	3859.2	8.3	B3/5000		
BH (60°-80°)	3387.8	7.3	B4/5000		G4/5000
BVH (80°-90°)	236.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	26721.4	57.4			

BUG Rating: B4-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5
1°	2764.0	2763.1	2760.2	2756.1	2748.5	2739.0	2720.0	2710.1	2701.6	2694.5	2689.8
2°	2809.8	2806.9	2799.4	2787.3	2769.9	2750.5	2721.2	2701.9	2684.5	2670.8	2661.6
3°	2861.7	2856.5	2843.2	2821.3	2794.3	2764.1	2724.8	2695.8	2670.4	2651.0	2637.6
4°	2919.9	2912.0	2892.0	2861.0	2822.1	2780.6	2730.1	2691.6	2659.3	2634.2	2617.2
5°	2983.9	2973.1	2944.9	2904.1	2854.3	2800.2	2738.2	2690.5	2650.4	2620.7	2600.2
6°	3055.0	3041.4	3006.6	2952.2	2889.0	2821.0	2747.7	2690.8	2643.4	2609.0	2584.3
7°	3131.7	3115.6	3071.3	3005.1	2925.9	2843.5	2757.8	2691.9	2638.6	2598.7	2570.2
8°	3213.4	3194.6	3141.8	3062.3	2965.9	2868.2	2770.0	2695.1	2635.6	2589.9	2558.9
9°	3303.8	3282.7	3219.2	3123.6	3009.7	2895.3	2783.9	2699.2	2632.8	2583.1	2549.5
10°	3401.5	3373.8	3300.1	3189.7	3056.9	2924.3	2799.9	2704.3	2630.7	2579.1	2542.9
11°	3507.3	3475.9	3389.2	3259.5	3106.7	2955.7	2816.6	2711.1	2630.1	2575.9	2538.7
12°	3621.0	3582.7	3482.6	3334.9	3160.1	2989.8	2835.2	2720.1	2631.7	2574.7	2536.8
13°	3743.7	3698.8	3584.0	3414.0	3216.1	3025.7	2857.3	2730.5	2635.3	2574.8	2537.3
14°	3873.2	3823.0	3689.1	3498.6	3277.3	3064.9	2881.8	2742.6	2640.0	2576.8	2539.8
15°	4007.9	3950.8	3798.7	3587.5	3340.4	3105.6	2907.2	2756.2	2646.2	2580.5	2543.8
16°	4146.5	4080.3	3912.2	3678.7	3407.8	3149.4	2934.6	2772.6	2654.1	2585.3	2549.2
17°	4283.2	4211.5	4028.0	3770.7	3477.2	3195.9	2964.6	2789.9	2664.3	2592.4	2556.6
18°	4418.2	4341.5	4143.3	3866.6	3548.4	3244.9	2996.4	2809.1	2675.6	2601.3	2565.3
19°	4549.9	4469.4	4259.1	3960.7	3620.4	3294.9	3028.2	2829.5	2688.8	2610.7	2574.8
20°	4678.2	4591.2	4370.1	4054.5	3694.1	3345.3	3061.4	2851.6	2703.1	2622.6	2586.0
21°	4798.3	4710.1	4480.0	4148.3	3769.0	3398.6	3096.0	2874.6	2718.7	2635.1	2596.8
22°	4912.1	4822.6	4583.1	4240.0	3843.3	3453.8	3131.0	2897.8	2735.9	2649.0	2609.2
23°	5017.3	4931.7	4685.0	4330.9	3919.5	3509.6	3166.0	2920.9	2753.6	2663.8	2622.1
24°	5119.2	5034.0	4782.6	4417.8	3992.0	3564.8	3199.8	2944.3	2772.0	2678.6	2635.9
25°	5216.3	5133.7	4878.9	4503.9	4065.0	3618.7	3234.2	2967.2	2791.0	2694.6	2650.0
26°	5298.6	5222.3	4971.7	4588.3	4135.9	3674.1	3269.8	2990.8	2810.8	2710.7	2664.2
27°	5374.0	5302.8	5062.1	4669.2	4206.4	3730.9	3305.5	3014.0	2830.6	2727.0	2679.3
28°	5441.7	5374.0	5145.2	4750.2	4276.3	3787.4	3342.8	3037.5	2850.8	2744.3	2694.4
29°	5514.2	5444.3	5224.0	4829.4	4343.7	3845.5	3382.0	3062.8	2872.1	2761.0	2711.3
30°	5600.2	5526.5	5301.1	4909.1	4411.0	3905.9	3423.1	3089.6	2893.6	2779.1	2728.4
31°	5672.3	5603.6	5385.9	4990.5	4481.3	3965.1	3465.1	3116.7	2915.9	2797.7	2746.8
32°	5725.9	5664.2	5464.3	5071.9	4553.7	4023.3	3509.2	3144.0	2938.5	2817.4	2765.4
33°	5746.8	5699.5	5529.5	5150.7	4632.1	4081.3	3552.3	3171.4	2961.1	2837.3	2783.8
34°	5734.9	5697.4	5573.4	5221.9	4708.4	4146.3	3597.3	3199.5	2982.0	2856.5	2802.2
35°	5694.0	5665.0	5581.5	5277.7	4774.9	4215.2	3643.9	3228.6	3003.3	2877.1	2822.6
36°	5639.9	5617.7	5561.5	5314.3	4834.5	4282.3	3692.4	3258.6	3025.1	2898.5	2844.3
37°	5594.3	5563.2	5527.4	5322.4	4879.3	4340.3	3740.4	3287.6	3048.6	2920.7	2869.3
38°	5573.0	5527.8	5492.0	5312.6	4913.8	4390.1	3790.5	3314.7	3072.3	2945.5	2895.2
39°	5565.3	5509.9	5466.4	5299.4	4930.0	4431.9	3841.7	3343.9	3096.7	2972.4	2922.3
40°	5562.7	5501.0	5454.1	5292.6	4935.1	4463.0	3888.1	3375.4	3122.3	3002.4	2950.6
41°	5560.6	5495.0	5450.3	5292.6	4942.8	4485.1	3927.5	3409.7	3149.2	3031.1	2978.4
42°	5554.2	5490.3	5449.8	5300.7	4957.7	4505.2	3959.8	3442.0	3178.3	3062.7	3007.3
43°	5541.9	5483.5	5449.4	5314.8	4976.0	4529.0	3986.1	3471.3	3209.4	3094.7	3034.8
44°	5522.3	5475.0	5447.7	5330.9	4998.2	4559.7	4012.1	3499.7	3242.5	3129.2	3062.0



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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°	5496.3	5460.5	5443.9	5345.9	5023.3	4593.8	4040.3	3529.6	3275.3	3163.3	3088.4
46°	5464.3	5441.7	5437.5	5358.2	5051.4	4627.9	4070.9	3561.4	3309.9	3197.2	3114.2
47°	5429.8	5421.7	5429.8	5367.2	5080.0	4663.2	4100.2	3596.5	3344.0	3230.2	3141.2
48°	5393.2	5399.1	5419.6	5373.6	5107.7	4699.0	4130.4	3633.7	3378.3	3263.2	3167.7
49°	5355.2	5375.7	5405.1	5377.8	5135.4	4733.6	4159.0	3671.0	3414.3	3295.6	3196.7
50°	5314.3	5351.4	5387.6	5379.5	5160.9	4768.1	4185.7	3710.0	3450.2	3327.6	3226.0
51°	5267.9	5323.3	5366.7	5379.1	5184.4	4800.0	4210.0	3748.9	3485.6	3360.3	3258.1
52°	5215.9	5288.8	5342.9	5376.1	5208.2	4832.0	4232.2	3787.7	3521.0	3393.8	3292.0
53°	5158.4	5250.0	5317.3	5372.7	5228.3	4860.1	4251.9	3824.8	3558.1	3428.7	3327.9
54°	5093.6	5200.1	5289.6	5365.5	5245.3	4886.1	4272.1	3859.7	3596.8	3465.6	3365.9
55°	5021.6	5141.8	5258.9	5355.7	5260.2	4909.1	4290.4	3892.6	3635.7	3503.9	3405.1
56°	4939.8	5074.4	5221.0	5340.7	5272.1	4929.1	4307.9	3924.2	3675.3	3544.8	3443.7
57°	4847.3	4996.9	5175.4	5321.1	5279.8	4946.2	4323.2	3954.6	3716.2	3588.9	3482.2
58°	4744.6	4907.4	5119.6	5297.7	5282.8	4959.4	4334.7	3982.3	3759.0	3635.5	3519.2
59°	4635.1	4805.6	5057.8	5271.3	5280.2	4967.1	4343.2	4007.3	3799.7	3683.0	3553.5
60°	4503.9	4691.8	4986.2	5239.8	5271.3	4968.8	4347.5	4029.9	3840.7	3732.8	3586.1
61°	4341.1	4559.3	4906.5	5200.6	5254.7	4960.7	4345.8	4047.5	3883.1	3784.5	3622.5
62°	4147.4	4400.3	4817.1	5153.7	5235.1	4942.8	4338.1	4060.9	3926.4	3837.5	3659.4
63°	3930.0	4216.8	4714.8	5097.4	5207.4	4921.0	4328.3	4071.4	3969.3	3890.8	3696.1
64°	3714.8	4022.7	4600.6	5032.7	5169.5	4889.5	4312.6	4074.8	4010.2	3945.8	3730.7
65°	3528.0	3841.0	4477.0	4956.8	5125.1	4849.0	4287.9	4073.8	4049.7	3999.0	3764.3
66°	3379.7	3674.6	4344.1	4870.8	5071.0	4802.6	4249.9	4069.0	4083.1	4052.0	3798.7
67°	3284.9	3535.1	4214.0	4769.8	4999.4	4736.5	4194.0	4048.8	4113.7	4099.9	3829.6
68°	3236.2	3432.9	4089.6	4655.1	4914.6	4647.1	4104.7	4011.1	4139.4	4146.5	3857.7
69°	3194.0	3361.2	3974.5	4528.2	4808.1	4530.7	3963.7	3940.5	4156.6	4186.9	3872.7
70°	3074.6	3298.1	3867.6	4391.0	4678.6	4367.1	3745.6	3818.2	4155.2	4222.5	3881.5
71°	2837.4	3187.1	3774.0	4250.7	4526.5	4145.5	3432.4	3636.3	4127.1	4247.1	3881.9
72°	2521.1	2995.2	3682.4	4107.7	4349.6	3871.4	3089.9	3398.5	4065.2	4258.0	3856.4
73°	2204.4	2725.9	3577.7	3968.9	4144.4	3551.3	2771.7	3130.2	3957.5	4240.3	3808.2
74°	1911.3	2426.3	3448.5	3824.7	3906.3	3218.6	2481.6	2875.2	3816.4	4186.7	3727.6
75°	1485.3	2096.8	3280.9	3650.5	3643.4	2868.6	2142.7	2630.3	3645.4	4086.6	3578.6
76°	908.4	1688.6	3045.4	3453.5	3355.1	2489.1	1638.4	2318.8	3470.8	3926.4	3375.7
77°	402.0	1115.4	2742.8	3176.0	3030.8	1995.8	1063.6	1840.5	3275.7	3664.0	3149.5
78°	302.1	539.9	2357.0	2803.4	2639.3	1371.1	492.5	1308.1	3030.7	3277.2	2864.9
79°	209.2	394.1	1862.2	2335.9	2172.6	756.6	200.0	775.7	2632.6	2763.2	2478.8
80°	116.3	256.8	1202.0	1766.9	1618.8	346.1	133.1	249.4	2012.6	2200.0	2082.5
81°	101.4	119.6	608.8	1159.2	987.1	238.0	115.0	150.8	1425.5	1698.1	1752.0
82°	89.3	102.4	444.9	566.7	457.2	136.6	101.2	123.2	838.4	1280.7	1542.3
83°	77.4	88.4	286.8	420.1	330.0	112.4	87.4	104.5	262.6	1022.3	1437.2
84°	65.6	74.7	128.7	278.0	214.9	94.0	73.6	85.8	172.8	763.9	1088.9
85°	53.3	61.0	95.5	135.9	99.8	76.4	60.7	67.2	139.1	506.5	740.6
86°	40.0	48.2	69.9	110.9	76.3	58.8	47.8	52.6	111.8	311.7	399.6
87°	29.0	36.3	52.2	84.9	57.7	43.0	34.4	39.5	84.4	216.8	278.9
88°	18.0	24.3	36.1	55.6	41.3	30.0	22.0	27.9	57.3	121.9	158.3
89°	7.1	12.4	20.0	29.6	23.1	17.1	15.4	19.4	39.1	27.3	40.2



REPORT NUMBER: P1436775

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: P1436775

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: P1436775

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: P1436775

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5	2724.5
1°	2687.8	2687.9	2691.5	2696.9	2705.2	2714.2	2723.8	2724.1	2733.6	2742.6	2751.2
2°	2656.9	2656.7	2661.5	2671.0	2684.3	2701.2	2719.5	2729.6	2749.1	2767.6	2784.2
3°	2630.7	2629.2	2635.6	2647.8	2665.8	2689.6	2716.5	2736.4	2766.5	2795.4	2821.6
4°	2608.1	2606.7	2613.6	2628.1	2650.7	2680.3	2715.2	2744.6	2785.3	2825.9	2863.7
5°	2588.5	2586.1	2594.7	2611.6	2637.8	2672.7	2715.2	2754.0	2805.5	2858.1	2908.8
6°	2569.9	2567.5	2576.9	2596.4	2626.5	2666.7	2717.2	2765.5	2827.9	2893.9	2957.6
7°	2554.0	2550.9	2561.2	2583.4	2616.1	2661.8	2719.6	2777.9	2852.4	2932.5	3010.1
8°	2540.5	2536.7	2548.2	2572.7	2607.8	2657.8	2723.0	2791.2	2878.7	2973.9	3066.3
9°	2530.0	2525.5	2537.9	2563.0	2602.0	2655.0	2727.8	2806.1	2907.2	3018.1	3127.0
10°	2521.6	2517.4	2529.5	2556.0	2597.1	2654.0	2735.3	2824.2	2938.0	3065.8	3192.9
11°	2516.6	2512.2	2524.3	2551.8	2594.0	2655.8	2744.6	2844.8	2972.5	3117.4	3263.5
12°	2515.1	2509.9	2521.7	2549.6	2593.8	2659.2	2755.9	2867.5	3009.9	3172.6	3338.7
13°	2515.7	2509.8	2522.2	2550.0	2595.5	2665.0	2769.2	2891.6	3049.8	3231.5	3421.4
14°	2517.4	2512.0	2524.3	2553.0	2598.5	2672.0	2783.8	2916.5	3090.8	3294.8	3507.0
15°	2521.7	2515.6	2527.7	2557.2	2603.9	2681.0	2799.8	2944.7	3134.8	3360.6	3597.9
16°	2527.3	2521.2	2533.3	2563.0	2612.1	2691.6	2817.5	2974.9	3180.7	3430.9	3692.1
17°	2533.9	2528.0	2540.8	2570.7	2621.3	2704.2	2836.7	3006.3	3229.7	3502.8	3788.1
18°	2542.3	2535.7	2549.7	2580.7	2631.5	2717.8	2857.9	3039.8	3279.4	3577.7	3887.9
19°	2551.7	2543.7	2559.5	2592.0	2643.3	2732.6	2879.7	3073.5	3331.0	3653.4	3984.3
20°	2560.9	2552.0	2569.9	2604.5	2656.4	2749.3	2903.8	3108.4	3384.7	3730.2	4082.4
21°	2569.7	2560.5	2581.2	2618.2	2671.3	2767.4	2928.5	3144.4	3440.8	3808.7	4177.3
22°	2579.4	2569.3	2592.8	2632.1	2686.6	2786.7	2954.0	3179.8	3496.2	3885.7	4270.4
23°	2589.9	2579.9	2604.8	2647.3	2702.8	2806.7	2979.6	3215.4	3553.6	3963.9	4361.1
24°	2602.3	2592.3	2617.8	2663.1	2718.6	2827.9	3005.9	3250.7	3610.3	4040.3	4448.5
25°	2615.6	2606.0	2632.6	2680.2	2734.9	2849.8	3031.4	3287.4	3667.8	4115.7	4533.3
26°	2630.4	2622.1	2648.9	2697.0	2751.5	2871.1	3057.7	3323.2	3726.0	4187.7	4616.4
27°	2647.1	2640.3	2666.7	2713.3	2768.6	2892.9	3083.8	3361.1	3784.1	4260.3	4701.2
28°	2665.3	2660.3	2686.4	2729.8	2787.0	2915.2	3111.0	3401.3	3843.8	4330.9	4787.7
29°	2685.1	2681.9	2706.8	2747.4	2805.7	2936.9	3139.4	3443.0	3905.6	4402.9	4870.8
30°	2705.5	2705.7	2727.3	2764.8	2825.1	2959.0	3168.8	3486.9	3968.0	4477.9	4953.0
31°	2725.8	2729.3	2747.7	2782.7	2845.2	2980.7	3198.6	3532.9	4033.6	4556.3	5041.2
32°	2746.6	2755.4	2768.6	2800.8	2865.1	3002.8	3227.3	3578.6	4100.3	4633.0	5117.9
33°	2768.0	2781.7	2789.7	2819.4	2885.3	3024.0	3256.4	3627.6	4169.6	4707.1	5191.6
34°	2789.8	2807.2	2810.6	2838.0	2904.9	3044.0	3286.3	3676.8	4234.8	4776.2	5251.3
35°	2811.8	2834.3	2832.3	2858.1	2925.1	3064.7	3316.8	3725.9	4295.9	4837.1	5293.0
36°	2834.2	2862.5	2854.4	2880.0	2945.4	3086.5	3346.4	3772.7	4354.3	4884.8	5310.9
37°	2857.2	2889.8	2875.7	2904.9	2968.2	3108.8	3373.9	3821.8	4404.2	4913.4	5312.6
38°	2878.5	2916.6	2896.2	2931.3	2994.5	3132.3	3401.6	3867.6	4442.1	4927.0	5302.4
39°	2899.3	2945.1	2916.5	2959.5	3022.7	3157.1	3426.8	3908.5	4469.4	4935.5	5291.7
40°	2921.3	2973.6	2937.8	2987.8	3052.2	3181.9	3454.0	3944.6	4488.5	4944.5	5289.2
41°	2943.8	2999.7	2961.0	3016.2	3083.6	3208.6	3480.1	3977.5	4506.4	4957.7	5297.3
42°	2966.7	3026.2	2985.4	3044.1	3117.0	3236.5	3508.8	4008.2	4530.7	4975.2	5313.9
43°	2990.3	3051.3	3010.4	3071.3	3150.8	3265.7	3541.5	4039.3	4563.5	4996.5	5333.1
44°	3014.2	3076.3	3036.6	3098.8	3183.6	3298.9	3576.0	4069.5	4599.8	5023.3	5351.0



REPORT NUMBER: P1436775

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3039.4	3100.9	3062.8	3126.0	3216.5	3333.5	3610.6	4098.6	4634.3	5054.0	5366.3
46°	3065.7	3124.5	3090.9	3153.7	3248.6	3370.1	3644.1	4127.9	4667.9	5087.2	5379.1
47°	3094.4	3149.4	3120.2	3180.9	3280.8	3408.8	3680.2	4158.2	4701.6	5120.0	5388.0
48°	3126.0	3170.7	3151.6	3208.2	3312.1	3448.9	3720.5	4184.7	4737.8	5149.9	5394.0
49°	3159.3	3192.3	3184.2	3237.2	3343.9	3487.8	3760.6	4209.0	4774.0	5177.1	5398.7
50°	3192.0	3213.7	3218.6	3268.2	3376.3	3525.8	3800.7	4230.7	4807.3	5201.0	5400.8
51°	3225.9	3236.8	3252.6	3300.8	3409.1	3561.8	3840.1	4251.0	4838.8	5222.7	5400.8
52°	3260.5	3258.5	3288.0	3335.8	3443.8	3597.6	3878.1	4272.1	4866.9	5242.3	5399.1
53°	3295.2	3278.8	3322.8	3372.6	3479.4	3634.8	3912.8	4290.8	4892.1	5259.8	5396.1
54°	3329.6	3298.4	3356.3	3410.3	3517.1	3672.7	3944.4	4308.7	4913.4	5274.3	5389.7
55°	3360.7	3318.6	3386.1	3450.1	3557.7	3712.5	3973.3	4323.2	4930.8	5284.1	5380.4
56°	3387.7	3338.4	3412.6	3489.8	3600.6	3753.2	3999.7	4336.4	4943.6	5292.2	5365.5
57°	3410.2	3357.9	3437.3	3530.2	3646.3	3793.0	4023.7	4348.4	4949.6	5295.2	5345.9
58°	3432.1	3376.7	3459.5	3566.2	3694.9	3832.8	4045.6	4356.0	4953.0	5290.9	5316.9
59°	3452.7	3395.3	3480.1	3599.4	3744.9	3872.4	4063.9	4358.2	4950.9	5281.5	5285.4
60°	3472.0	3411.4	3497.9	3633.6	3796.3	3910.7	4077.7	4355.6	4940.2	5268.3	5247.4
61°	3488.0	3426.3	3512.9	3671.2	3848.6	3948.8	4086.5	4352.6	4922.7	5250.0	5207.8
62°	3500.8	3441.8	3526.7	3708.9	3902.1	3988.6	4090.7	4346.2	4899.7	5222.3	5160.9
63°	3515.8	3456.2	3541.7	3741.8	3953.7	4027.6	4092.2	4330.9	4869.1	5186.1	5103.8
64°	3529.3	3471.1	3557.6	3772.2	4007.7	4064.3	4088.3	4307.5	4829.9	5140.5	5032.2
65°	3541.8	3473.8	3568.5	3803.3	4060.1	4099.3	4077.8	4267.4	4775.7	5083.8	4946.6
66°	3548.7	3455.6	3567.8	3835.8	4108.5	4130.5	4054.0	4204.2	4702.9	5013.5	4846.9
67°	3545.2	3435.1	3559.0	3862.6	4154.9	4149.6	4010.9	4119.1	4606.1	4932.5	4738.2
68°	3534.9	3399.1	3545.9	3884.5	4194.5	4152.1	3943.2	3980.7	4482.2	4831.6	4619.4
69°	3503.6	3305.3	3508.7	3895.9	4227.5	4138.8	3837.1	3763.4	4324.1	4708.8	4492.4
70°	3434.3	3146.6	3427.5	3896.8	4251.4	4107.2	3665.5	3457.0	4107.3	4562.7	4352.2
71°	3311.0	2905.5	3289.2	3882.3	4263.1	4046.3	3423.5	3102.1	3821.3	4385.0	4204.5
72°	3111.1	2609.4	3073.3	3847.2	4252.6	3957.8	3158.0	2785.2	3499.7	4188.0	4055.7
73°	2834.0	2305.6	2807.2	3790.9	4199.0	3824.3	2910.7	2500.1	3155.0	3946.3	3900.2
74°	2532.1	2001.3	2504.2	3683.4	4096.2	3665.5	2674.0	2175.0	2816.6	3666.0	3732.5
75°	2218.5	1620.4	2179.1	3512.0	3949.1	3499.2	2347.6	1673.2	2435.4	3353.0	3531.6
76°	1882.8	1219.9	1839.5	3308.5	3725.4	3320.0	1863.0	1043.6	1953.7	3023.5	3293.9
77°	1504.0	955.0	1484.2	3071.1	3385.8	3079.7	1318.5	488.0	1348.9	2645.1	2962.9
78°	1255.6	1001.5	1273.7	2765.6	2923.2	2699.1	774.0	356.5	732.9	2188.1	2501.1
79°	1298.6	1263.1	1369.7	2368.7	2411.9	2119.8	230.8	238.2	325.8	1659.9	1957.9
80°	1560.7	1441.7	1623.3	1958.8	1909.9	1497.6	150.5	120.0	231.5	1046.3	1355.9
81°	1651.5	1118.1	1619.0	1598.1	1483.7	875.4	123.8	103.1	138.1	498.5	750.2
82°	1249.0	794.5	1215.1	1449.5	1180.9	265.3	106.2	89.8	114.3	364.0	541.2
83°	846.5	472.1	811.1	1142.4	878.0	178.1	88.6	76.9	96.7	236.1	343.2
84°	445.9	251.9	409.2	835.3	576.5	146.1	71.1	63.9	80.3	108.3	145.2
85°	235.6	151.9	227.9	528.3	335.6	118.9	56.7	50.2	62.6	81.0	122.3
86°	188.7	53.2	182.6	293.9	236.3	91.7	43.7	37.7	46.9	61.8	98.5
87°	141.8	35.9	137.3	235.3	137.0	64.6	31.6	25.2	33.7	45.2	69.9
88°	94.9	18.6	91.9	176.7	38.6	49.0	21.8	12.8	20.5	28.9	38.2
89°	48.0	1.7	46.6	118.0	20.4	33.5	12.0	4.3	7.2	21.9	28.8



REPORT NUMBER: P1436775

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: P1436775

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: P1436775

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: P1436775

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2724.5	2724.5	2724.5
1°	2757.0	2762.1	2764.0
2°	2797.9	2807.1	2809.8
3°	2843.7	2857.5	2861.7
4°	2894.2	2913.6	2919.9
5°	2949.0	2975.5	2983.9
6°	3009.5	3043.7	3055.0
7°	3074.9	3117.6	3131.7
8°	3144.6	3196.4	3213.4
9°	3220.5	3282.8	3303.8
10°	3302.4	3377.6	3401.5
11°	3390.7	3478.8	3507.3
12°	3484.8	3586.3	3621.0
13°	3587.1	3702.9	3743.7
14°	3692.1	3825.3	3873.2
15°	3802.3	3952.8	4007.9
16°	3918.8	4085.7	4146.5
17°	4039.3	4218.0	4283.2
18°	4158.6	4352.2	4418.2
19°	4274.2	4479.2	4549.9
20°	4387.1	4601.5	4678.2
21°	4496.6	4716.9	4798.3
22°	4601.0	4827.7	4912.1
23°	4700.7	4937.2	5017.3
24°	4798.3	5042.5	5119.2
25°	4895.5	5143.9	5216.3
26°	4991.8	5236.4	5298.6
27°	5085.1	5317.7	5374.0
28°	5168.6	5388.5	5441.7
29°	5247.9	5461.8	5514.2
30°	5328.0	5542.3	5600.2
31°	5407.6	5616.9	5672.3
32°	5482.6	5671.4	5725.9
33°	5536.8	5698.2	5746.8
34°	5565.3	5693.1	5734.9
35°	5565.7	5659.5	5694.0
36°	5547.0	5607.9	5639.9
37°	5512.0	5557.6	5594.3
38°	5480.5	5524.4	5573.0
39°	5464.7	5509.9	5565.3
40°	5459.2	5502.7	5562.7
41°	5457.9	5499.3	5560.6
42°	5457.9	5495.4	5554.2
43°	5458.3	5490.7	5541.9
44°	5458.3	5482.6	5522.3

REPORT NUMBER: P1436775

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5457.1	5468.6	5496.3
46°	5454.5	5449.8	5464.3
47°	5449.0	5428.9	5429.8
48°	5440.9	5406.4	5393.2
49°	5426.8	5382.9	5355.2
50°	5409.8	5360.3	5314.3
51°	5388.0	5333.9	5267.9
52°	5362.9	5301.1	5215.9
53°	5336.5	5261.9	5158.4
54°	5309.2	5211.6	5093.6
55°	5278.1	5152.8	5021.6
56°	5240.6	5085.1	4939.8
57°	5194.2	5006.3	4847.3
58°	5137.1	4915.5	4744.6
59°	5074.0	4812.4	4635.1
60°	5001.6	4699.9	4503.9
61°	4917.2	4571.6	4341.1
62°	4825.2	4417.8	4147.4
63°	4728.0	4238.3	3930.0
64°	4620.2	4042.4	3714.8
65°	4499.6	3859.8	3528.0
66°	4369.7	3702.5	3379.7
67°	4241.0	3568.8	3284.9
68°	4113.1	3467.7	3236.2
69°	4002.1	3388.9	3194.0
70°	3904.8	3319.4	3074.6
71°	3804.0	3207.7	2837.4
72°	3689.1	3010.1	2521.1
73°	3580.0	2736.4	2204.4
74°	3441.2	2422.0	1911.3
75°	3234.9	2081.0	1485.3
76°	2961.9	1665.6	908.4
77°	2646.4	1114.8	402.0
78°	2243.2	560.1	302.1
79°	1684.8	404.6	209.2
80°	978.5	263.9	116.3
81°	467.9	123.2	101.4
82°	349.0	102.2	89.3
83°	233.1	89.2	77.4
84°	117.2	74.8	65.6
85°	85.5	60.0	53.3
86°	64.3	46.7	40.0
87°	47.2	34.5	29.0
88°	37.8	22.4	18.0
89°	28.8	10.3	7.1



REPORT NUMBER: P1436775

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: P1436775

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: P1436775

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)