

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: P1436823

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436823
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-120W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 5
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

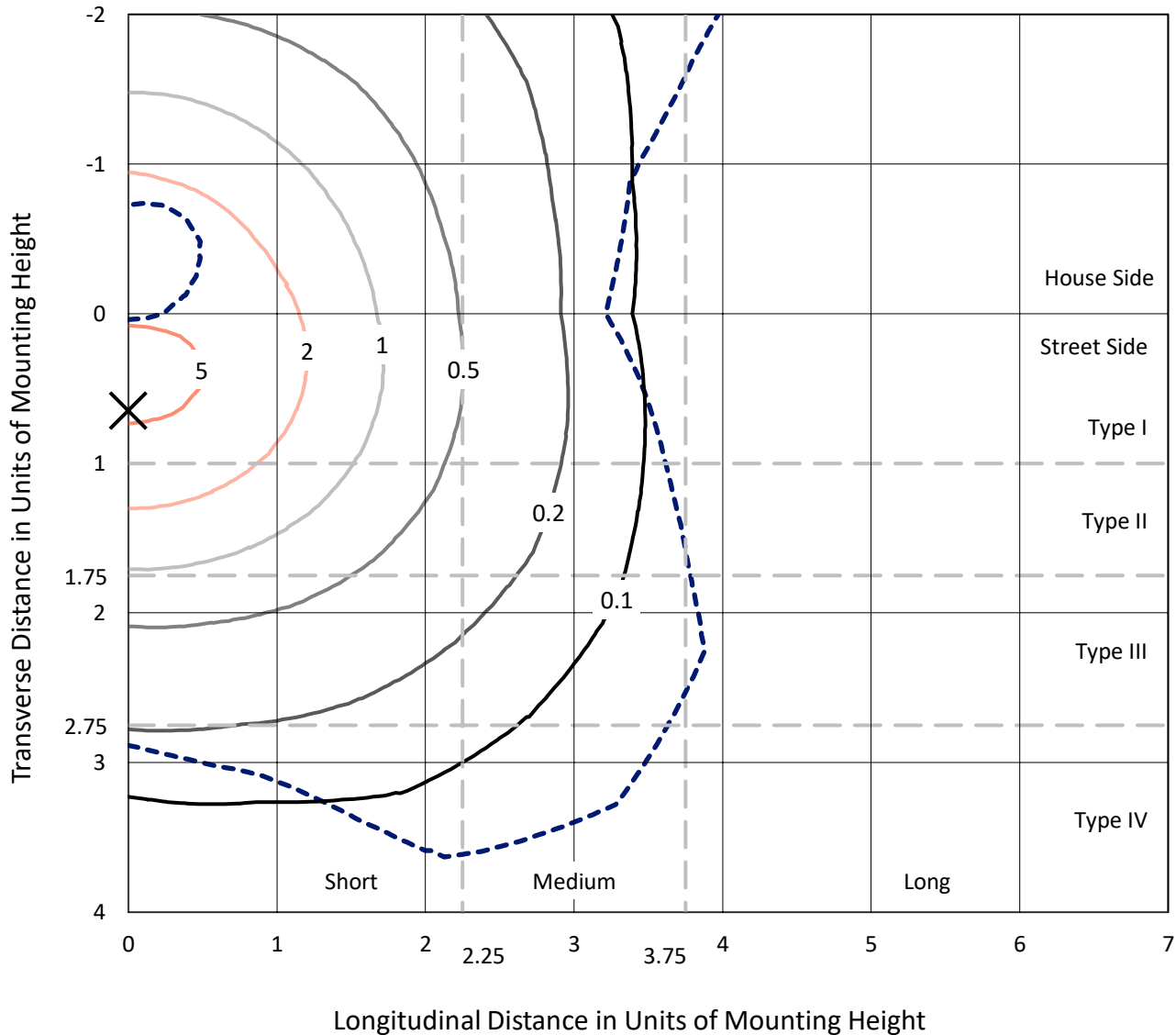
Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 21048 lumens
Efficiency: 45.2%
Efficacy: 166.9 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 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

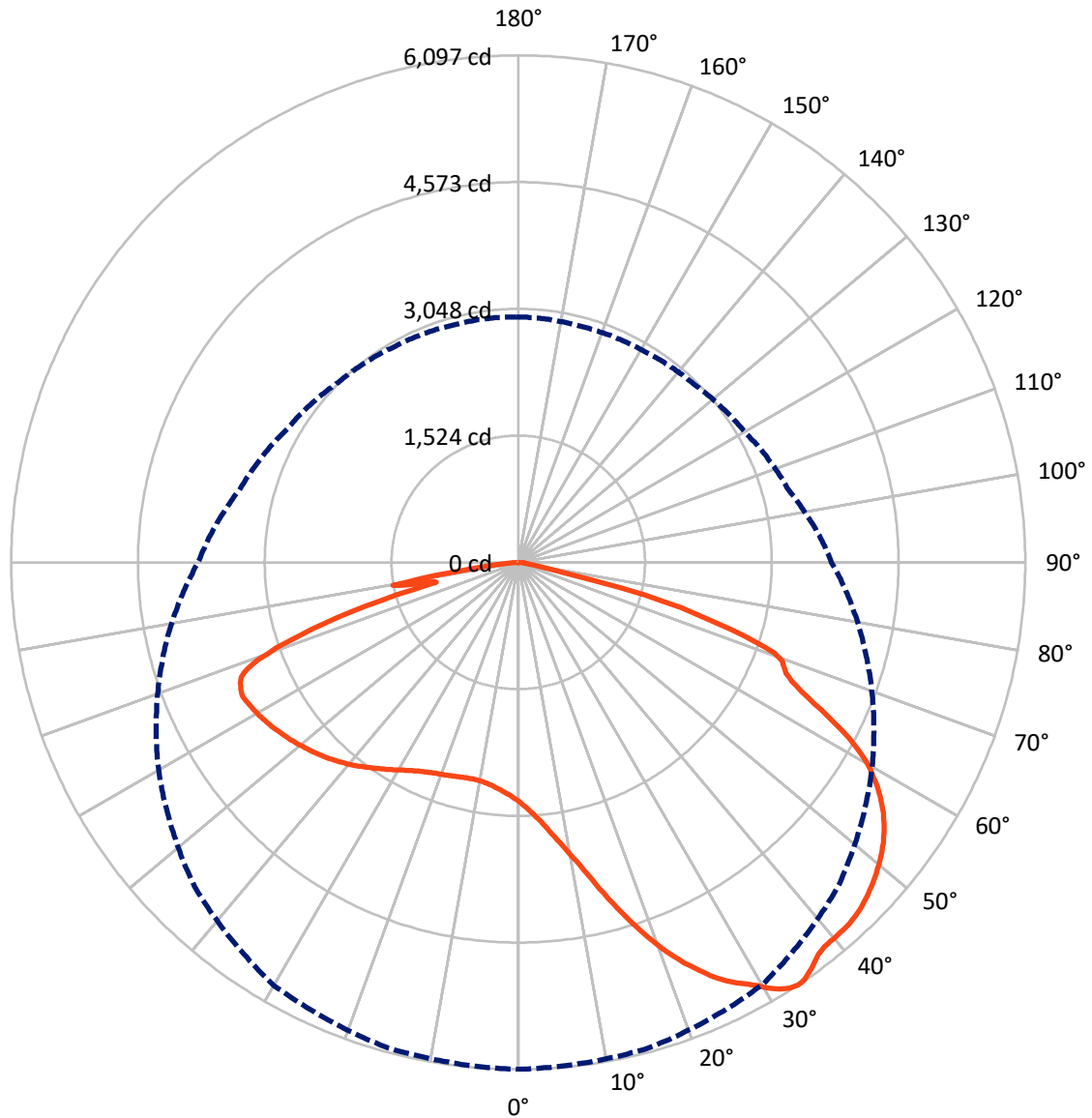
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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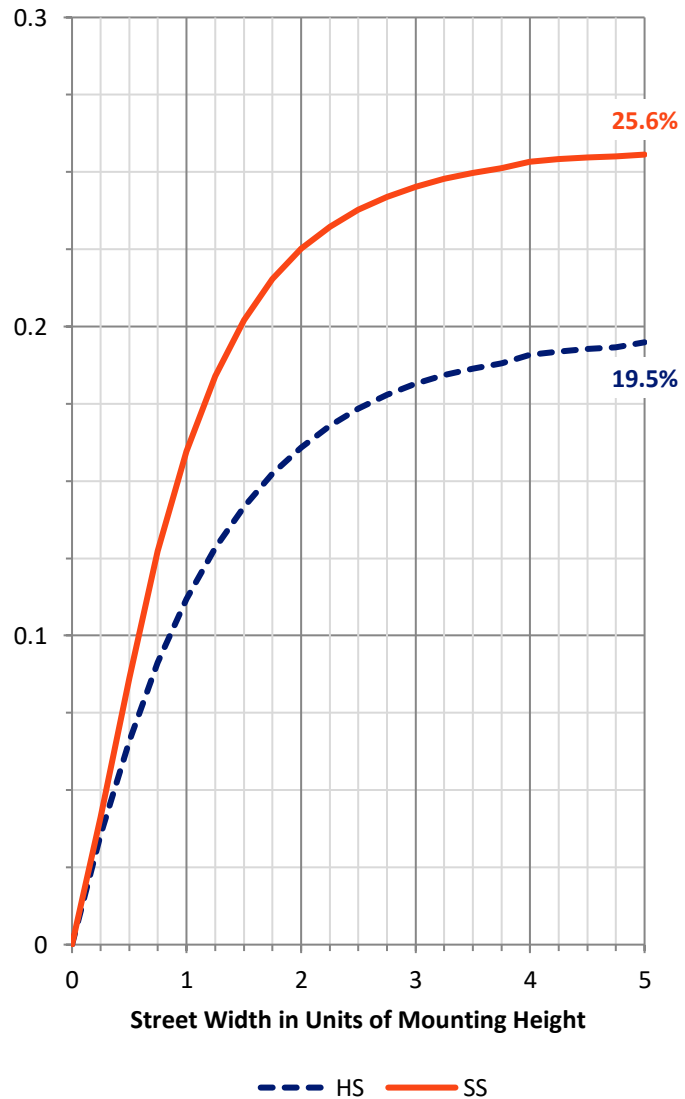
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9159.5	0.0	9159.5
	% Lamp	19.7	0.0	19.7
Street Side	Lumens	11888.6	0.0	11888.6
	% Lamp	25.5	0.0	25.5
Total	Lumens	21048.0	0.0	21048.0
	% Lamp	45.2	0.0	45.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	284.3	1.4	0.6
10°-20°	940.6	4.5	2.0
20°-30°	1776.2	8.4	3.8
30°-40°	2676.7	12.7	5.7
40°-50°	3460.0	16.4	7.4
50°-60°	4144.1	19.7	8.9
60°-70°	4402.1	20.9	9.5
70°-80°	3016.5	14.3	6.5
80°-90°	347.5	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°	21048.0	100.0	45.2
0°-180°	21048.0	100.0	45.2

Coefficient of Utilization



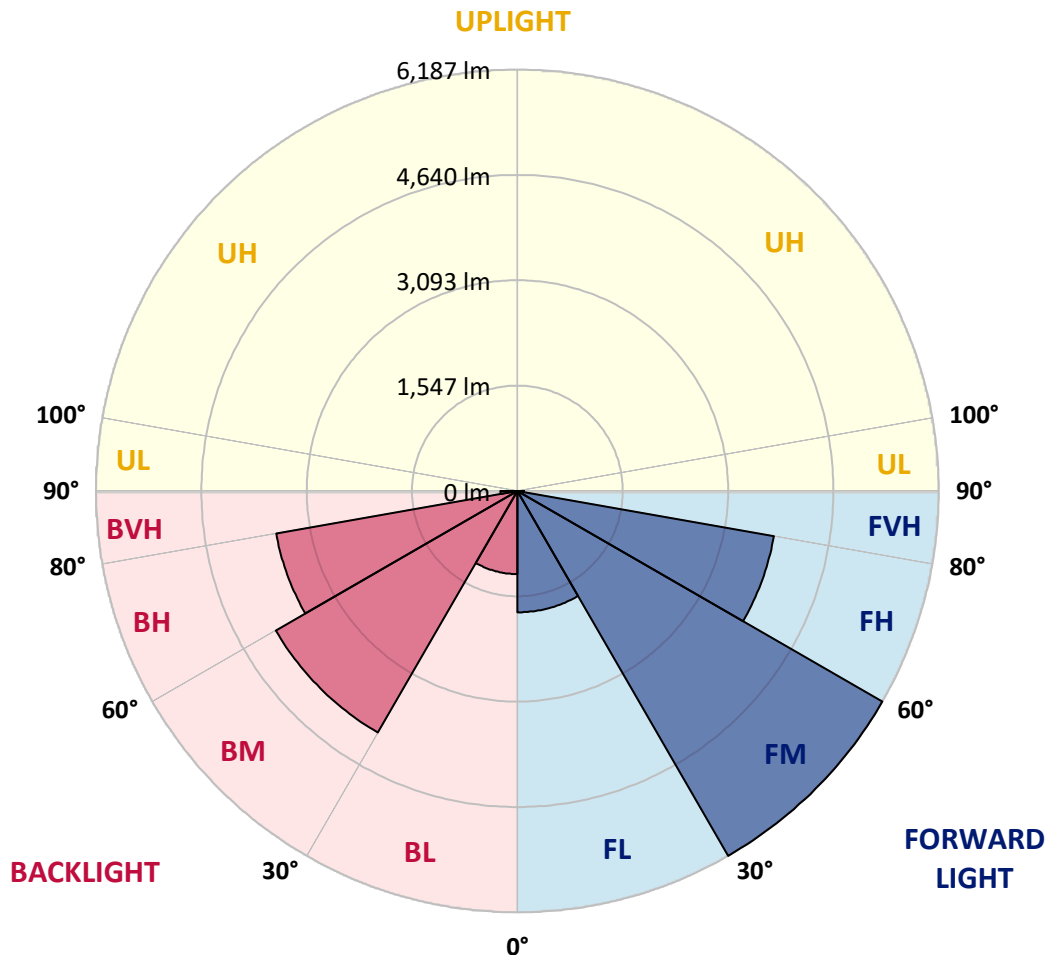
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1781.3	3.8			
FM (30°-60°)	6186.5	13.3			
FH (60°-80°)	3824.4	8.2			G2/5000
FVH (80°-90°)	96.3	0.2			G1/100
BL (0°-30°)	1219.8	2.6	B3/2500		
BM (30°-60°)	4094.3	8.8	B3/5000		
BH (60°-80°)	3594.2	7.7	B4/5000		G4/5000
BVH (80°-90°)	251.1	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	25513.0	54.8			

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°	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4
1°	2932.4	2931.4	2928.4	2924.0	2915.9	2905.8	2885.6	2875.2	2866.2	2858.6	2853.7
2°	2981.0	2977.9	2969.9	2957.1	2938.6	2918.0	2887.0	2866.5	2848.0	2833.5	2823.7
3°	3036.0	3030.5	3016.4	2993.1	2964.5	2932.5	2890.8	2860.0	2833.0	2812.5	2798.3
4°	3097.7	3089.4	3068.1	3035.2	2994.0	2950.0	2896.4	2855.6	2821.2	2794.6	2776.6
5°	3165.7	3154.2	3124.2	3081.0	3028.2	2970.8	2905.0	2854.4	2811.8	2780.4	2758.6
6°	3241.0	3226.7	3189.7	3132.0	3064.9	2992.8	2915.1	2854.7	2804.4	2767.9	2741.7
7°	3322.4	3305.4	3258.4	3188.1	3104.2	3016.6	2925.8	2855.9	2799.3	2756.9	2726.8
8°	3409.1	3389.2	3333.1	3248.8	3146.5	3042.9	2938.7	2859.3	2796.1	2747.7	2714.7
9°	3505.0	3482.7	3415.3	3313.9	3193.0	3071.7	2953.4	2863.6	2793.2	2740.4	2704.8
10°	3608.7	3579.3	3501.1	3383.9	3243.1	3102.4	2970.4	2869.0	2790.9	2736.1	2697.8
11°	3720.9	3687.6	3595.7	3458.0	3296.0	3135.8	2988.2	2876.2	2790.3	2732.8	2693.4
12°	3841.5	3800.9	3694.7	3538.0	3352.6	3171.9	3007.9	2885.8	2792.0	2731.5	2691.3
13°	3971.7	3924.1	3802.3	3621.9	3412.0	3209.9	3031.3	2896.8	2795.8	2731.6	2691.8
14°	4109.1	4055.8	3913.8	3711.7	3476.9	3251.6	3057.4	2909.6	2800.8	2733.8	2694.5
15°	4252.0	4191.5	4030.1	3806.0	3543.9	3294.8	3084.3	2924.1	2807.3	2737.7	2698.7
16°	4399.0	4328.8	4150.4	3902.8	3615.3	3341.2	3113.4	2941.5	2815.7	2742.8	2704.5
17°	4544.0	4468.0	4273.3	4000.4	3689.0	3390.6	3145.2	2959.8	2826.6	2750.2	2712.3
18°	4687.3	4606.0	4395.7	4102.2	3764.5	3442.6	3178.9	2980.2	2838.5	2759.7	2721.6
19°	4827.0	4741.6	4518.5	4201.9	3840.9	3495.5	3212.6	3001.9	2852.6	2769.7	2731.7
20°	4963.1	4870.9	4636.3	4301.4	3919.1	3549.0	3247.8	3025.2	2867.7	2782.3	2743.6
21°	5090.6	4997.0	4752.9	4401.0	3998.6	3605.6	3284.6	3049.7	2884.3	2795.6	2754.9
22°	5211.3	5116.3	4862.3	4498.2	4077.3	3664.2	3321.7	3074.3	2902.5	2810.3	2768.1
23°	5322.9	5232.1	4970.3	4594.7	4158.3	3723.3	3358.8	3098.8	2921.3	2826.1	2781.8
24°	5431.0	5340.6	5073.8	4686.9	4235.2	3782.0	3394.7	3123.6	2940.9	2841.8	2796.4
25°	5534.0	5446.3	5176.0	4778.2	4312.6	3839.1	3431.2	3147.9	2960.9	2858.7	2811.4
26°	5621.3	5540.4	5274.6	4867.7	4387.8	3897.9	3469.0	3173.0	2982.0	2875.8	2826.5
27°	5701.3	5625.8	5370.4	4953.6	4462.6	3958.1	3506.8	3197.6	3003.0	2893.1	2842.5
28°	5773.2	5701.3	5458.5	5039.5	4536.8	4018.0	3546.4	3222.5	3024.5	2911.4	2858.5
29°	5850.0	5775.9	5542.2	5123.6	4608.2	4079.7	3588.0	3249.3	3047.0	2929.2	2876.5
30°	5941.3	5863.1	5624.0	5208.1	4679.7	4143.7	3631.6	3277.8	3069.9	2948.3	2894.6
31°	6017.7	5945.0	5714.0	5294.4	4754.2	4206.6	3676.2	3306.5	3093.5	2968.1	2914.1
32°	6074.7	6009.1	5797.1	5380.8	4831.1	4268.3	3722.9	3335.5	3117.5	2989.0	2933.8
33°	6096.8	6046.7	5866.3	5464.4	4914.3	4329.9	3768.6	3364.6	3141.5	3010.1	2953.4
34°	6084.2	6044.4	5912.9	5539.9	4995.2	4398.8	3816.4	3394.4	3163.6	3030.5	2972.9
35°	6040.8	6010.0	5921.4	5599.1	5065.7	4471.9	3865.9	3425.2	3186.3	3052.3	2994.5
36°	5983.4	5959.9	5900.2	5638.0	5129.0	4543.1	3917.3	3457.1	3209.3	3075.0	3017.6
37°	5935.0	5902.0	5864.0	5646.6	5176.5	4604.6	3968.2	3487.8	3234.3	3098.6	3044.0
38°	5912.4	5864.5	5826.5	5636.2	5213.1	4657.5	4021.3	3516.6	3259.4	3124.9	3071.5
39°	5904.3	5845.5	5799.4	5622.2	5230.3	4701.8	4075.7	3547.6	3285.3	3153.5	3100.3
40°	5901.6	5836.0	5786.3	5615.0	5235.7	4734.8	4124.9	3580.9	3312.5	3185.3	3130.3
41°	5899.3	5829.7	5782.2	5615.0	5243.8	4758.3	4166.7	3617.4	3341.0	3215.7	3159.9
42°	5892.5	5824.7	5781.8	5623.5	5259.6	4779.6	4200.9	3651.6	3371.9	3249.3	3190.5
43°	5879.4	5817.5	5781.3	5638.5	5279.1	4804.9	4228.9	3682.7	3404.9	3283.2	3219.6
44°	5858.6	5808.4	5779.5	5655.6	5302.6	4837.4	4256.4	3712.9	3439.9	3319.7	3248.5



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5831.0	5793.1	5775.4	5671.5	5329.3	4873.6	4286.4	3744.6	3474.8	3356.0	3276.5
46°	5797.1	5773.2	5768.7	5684.6	5359.1	4909.8	4318.8	3778.3	3511.5	3391.9	3303.9
47°	5760.5	5751.9	5760.5	5694.1	5389.4	4947.3	4350.0	3815.6	3547.6	3427.0	3332.5
48°	5721.6	5728.0	5749.7	5700.8	5418.8	4985.2	4382.0	3855.0	3584.1	3462.0	3360.6
49°	5681.4	5703.1	5734.3	5705.4	5448.1	5021.9	4412.3	3894.6	3622.3	3496.3	3391.4
50°	5638.0	5677.3	5715.8	5707.2	5475.3	5058.5	4440.7	3936.0	3660.3	3530.3	3422.5
51°	5588.7	5647.5	5693.6	5706.7	5500.1	5092.4	4466.5	3977.3	3697.9	3564.9	3456.5
52°	5533.6	5610.9	5668.3	5703.6	5525.4	5126.3	4489.9	4018.3	3735.4	3600.5	3492.5
53°	5472.6	5569.7	5641.2	5699.9	5546.7	5156.1	4510.9	4057.8	3774.8	3637.5	3530.6
54°	5403.8	5516.9	5611.8	5692.3	5564.8	5183.7	4532.3	4094.8	3815.9	3676.7	3570.9
55°	5327.4	5454.9	5579.2	5681.9	5580.6	5208.1	4551.7	4129.7	3857.1	3717.3	3612.4
56°	5240.7	5383.5	5539.0	5666.0	5593.3	5229.4	4570.3	4163.2	3899.1	3760.7	3653.5
57°	5142.6	5301.2	5490.6	5645.2	5601.4	5247.4	4586.5	4195.5	3942.6	3807.5	3694.3
58°	5033.6	5206.3	5431.4	5620.4	5604.6	5261.4	4598.7	4224.8	3987.9	3856.9	3733.6
59°	4917.4	5098.3	5365.9	5592.4	5601.8	5269.6	4607.8	4251.4	4031.1	3907.3	3769.9
60°	4778.2	4977.6	5289.9	5558.9	5592.4	5271.4	4612.3	4275.4	4074.6	3960.2	3804.5
61°	4605.5	4837.0	5205.4	5517.3	5574.7	5262.8	4610.5	4294.0	4119.6	4015.0	3843.2
62°	4400.0	4668.4	5110.5	5467.6	5553.9	5243.8	4602.4	4308.2	4165.5	4071.2	3882.3
63°	4169.4	4473.7	5002.0	5407.9	5524.5	5220.8	4592.0	4319.4	4211.0	4127.8	3921.2
64°	3941.1	4267.7	4880.8	5339.2	5484.3	5187.3	4575.2	4323.0	4254.5	4186.1	3958.0
65°	3742.9	4075.0	4749.7	5258.7	5437.3	5144.4	4549.0	4321.9	4296.4	4242.6	3993.6
66°	3585.6	3898.4	4608.7	5167.4	5379.9	5095.1	4508.8	4316.8	4331.8	4298.8	4030.1
67°	3484.9	3750.5	4470.7	5060.3	5303.9	5025.0	4449.5	4295.4	4364.2	4349.6	4062.9
68°	3433.3	3642.0	4338.7	4938.7	5214.0	4930.1	4354.7	4255.4	4391.6	4399.0	4092.7
69°	3388.5	3565.9	4216.6	4804.0	5101.0	4806.7	4205.1	4180.5	4409.7	4441.9	4108.6
70°	3261.8	3499.0	4103.2	4658.4	4963.5	4633.1	3973.8	4050.8	4408.3	4479.7	4117.9
71°	3010.2	3381.2	4003.9	4509.6	4802.2	4398.0	3641.5	3857.8	4378.5	4505.8	4118.3
72°	2674.6	3177.6	3906.6	4357.8	4614.6	4107.2	3278.1	3605.5	4312.8	4517.4	4091.3
73°	2338.7	2891.9	3795.6	4210.6	4396.9	3767.6	2940.5	3320.9	4198.5	4498.6	4040.1
74°	2027.7	2574.0	3658.5	4057.7	4144.2	3414.6	2632.8	3050.3	4048.8	4441.7	3954.6
75°	1575.8	2224.5	3480.8	3872.9	3865.3	3043.3	2273.2	2790.5	3867.5	4335.5	3796.6
76°	963.7	1791.5	3230.9	3663.9	3559.5	2640.7	1738.2	2460.1	3682.2	4165.6	3581.3
77°	426.5	1183.4	2909.8	3369.5	3215.4	2117.4	1128.4	1952.6	3475.2	3887.2	3341.4
78°	320.6	572.8	2500.5	2974.2	2800.0	1454.6	522.5	1387.8	3215.3	3476.8	3039.4
79°	222.0	418.1	1975.7	2478.2	2304.9	802.7	212.2	822.9	2792.9	2931.5	2629.8
80°	123.4	272.5	1275.2	1874.5	1717.4	367.1	141.3	264.5	2135.2	2334.0	2209.4
81°	107.6	126.8	645.8	1229.8	1047.3	252.5	122.1	160.0	1512.3	1801.5	1858.7
82°	94.7	108.7	472.0	601.2	485.1	144.9	107.4	130.7	889.4	1358.7	1636.2
83°	82.2	93.8	304.3	445.7	350.1	119.2	92.7	110.9	278.6	1084.6	1524.8
84°	69.6	79.3	136.5	294.9	228.0	99.8	78.0	91.1	183.3	810.4	1155.2
85°	56.6	64.8	101.3	144.2	105.9	81.1	64.4	71.3	147.6	537.3	785.7
86°	42.4	51.2	74.2	117.7	80.9	62.4	50.7	55.8	118.6	330.7	423.9
87°	30.7	38.5	55.4	90.1	61.2	45.6	36.5	41.9	89.5	230.1	295.9
88°	19.1	25.8	38.3	59.0	43.8	31.8	23.3	29.6	60.8	129.4	168.0
89°	7.5	13.2	21.2	31.4	24.5	18.1	16.3	20.6	41.4	28.9	42.7



REPORT NUMBER: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4	2890.4
1°	2851.5	2851.6	2855.4	2861.1	2870.0	2879.5	2889.7	2890.1	2900.1	2909.7	2918.8
2°	2818.7	2818.5	2823.6	2833.7	2847.8	2865.7	2885.1	2895.8	2916.5	2936.1	2953.8
3°	2791.0	2789.4	2796.1	2809.1	2828.1	2853.5	2882.0	2903.0	2935.0	2965.7	2993.5
4°	2766.9	2765.4	2772.8	2788.1	2812.1	2843.6	2880.6	2911.8	2955.0	2998.1	3038.1
5°	2746.1	2743.6	2752.7	2770.7	2798.4	2835.5	2880.5	2921.8	2976.4	3032.2	3086.0
6°	2726.4	2723.9	2733.9	2754.6	2786.5	2829.1	2882.7	2934.0	3000.1	3070.2	3137.8
7°	2709.5	2706.3	2717.2	2740.7	2775.4	2823.9	2885.2	2947.1	3026.2	3111.1	3193.4
8°	2695.2	2691.3	2703.4	2729.4	2766.7	2819.6	2888.8	2961.2	3054.0	3155.1	3253.0
9°	2684.1	2679.4	2692.5	2719.1	2760.5	2816.7	2894.0	2977.0	3084.3	3201.9	3317.4
10°	2675.2	2670.7	2683.6	2711.6	2755.3	2815.6	2901.9	2996.2	3116.9	3252.5	3387.4
11°	2669.9	2665.2	2678.0	2707.3	2752.0	2817.6	2911.7	3018.0	3153.6	3307.3	3462.2
12°	2668.2	2662.8	2675.3	2704.9	2751.7	2821.1	2923.7	3042.2	3193.2	3365.8	3542.0
13°	2668.9	2662.7	2675.8	2705.3	2753.5	2827.4	2937.8	3067.7	3235.5	3428.3	3629.8
14°	2670.7	2665.0	2678.1	2708.5	2756.8	2834.8	2953.4	3094.1	3279.1	3495.5	3720.6
15°	2675.3	2668.8	2681.7	2713.0	2762.5	2844.3	2970.4	3124.1	3325.7	3565.3	3817.0
16°	2681.3	2674.7	2687.5	2719.1	2771.2	2855.6	2989.1	3156.1	3374.4	3639.9	3917.0
17°	2688.2	2682.0	2695.5	2727.3	2781.0	2868.9	3009.5	3189.4	3426.4	3716.1	4018.8
18°	2697.1	2690.2	2705.0	2737.9	2791.7	2883.3	3031.9	3225.0	3479.1	3795.6	4124.7
19°	2707.1	2698.6	2715.4	2749.8	2804.3	2899.0	3055.1	3260.7	3533.9	3876.0	4226.9
20°	2716.9	2707.5	2726.4	2763.1	2818.2	2916.8	3080.7	3297.7	3590.9	3957.4	4331.0
21°	2726.2	2716.5	2738.4	2777.7	2834.0	2936.0	3106.9	3335.9	3650.4	4040.6	4431.8
22°	2736.5	2725.8	2750.7	2792.4	2850.3	2956.4	3133.9	3373.5	3709.2	4122.4	4530.5
23°	2747.7	2737.0	2763.4	2808.5	2867.4	2977.7	3161.0	3411.3	3770.0	4205.3	4626.8
24°	2760.8	2750.2	2777.2	2825.3	2884.2	3000.1	3189.0	3448.7	3830.2	4286.4	4719.4
25°	2774.9	2764.8	2792.9	2843.4	2901.5	3023.3	3216.0	3487.6	3891.2	4366.4	4809.4
26°	2790.6	2781.8	2810.3	2861.3	2919.1	3046.0	3243.9	3525.6	3952.9	4442.7	4897.5
27°	2808.4	2801.1	2829.1	2878.6	2937.3	3069.1	3271.6	3565.8	4014.6	4519.8	4987.5
28°	2827.6	2822.3	2850.0	2896.1	2956.7	3092.8	3300.4	3608.5	4077.9	4594.7	5079.3
29°	2848.6	2845.3	2871.7	2914.7	2976.5	3115.8	3330.6	3652.7	4143.4	4671.1	5167.4
30°	2870.3	2870.4	2893.5	2933.2	2997.2	3139.2	3361.8	3699.2	4209.7	4750.6	5254.7
31°	2891.8	2895.5	2915.1	2952.2	3018.5	3162.2	3393.4	3748.1	4279.3	4833.8	5348.2
32°	2913.9	2923.2	2937.2	2971.3	3039.7	3185.7	3423.9	3796.6	4350.1	4915.2	5429.6
33°	2936.6	2951.1	2959.6	2991.1	3061.1	3208.2	3454.8	3848.6	4423.6	4993.8	5507.8
34°	2959.7	2978.2	2981.8	3010.8	3081.9	3229.4	3486.5	3900.7	4492.7	5067.1	5571.1
35°	2983.0	3007.0	3004.8	3032.2	3103.2	3251.3	3518.8	3952.8	4557.6	5131.7	5615.4
36°	3006.8	3036.9	3028.2	3055.4	3124.8	3274.5	3550.2	4002.4	4619.5	5182.3	5634.4
37°	3031.2	3065.8	3050.9	3081.8	3149.0	3298.2	3579.4	4054.6	4672.4	5212.6	5636.2
38°	3053.8	3094.2	3072.6	3109.8	3176.9	3323.0	3608.7	4103.2	4712.7	5227.1	5625.4
39°	3075.9	3124.5	3094.1	3139.7	3206.8	3349.4	3635.5	4146.6	4741.6	5236.1	5614.1
40°	3099.2	3154.7	3116.8	3169.8	3238.1	3375.7	3664.3	4184.9	4761.9	5245.6	5611.3
41°	3123.1	3182.4	3141.3	3200.0	3271.5	3404.1	3692.1	4219.8	4780.9	5259.6	5619.9
42°	3147.4	3210.5	3167.2	3229.5	3306.9	3433.7	3722.5	4252.3	4806.7	5278.2	5637.6
43°	3172.4	3237.2	3193.8	3258.4	3342.7	3464.6	3757.2	4285.3	4841.5	5300.8	5657.9
44°	3197.8	3263.6	3221.6	3287.6	3377.5	3499.8	3793.9	4317.4	4879.9	5329.3	5676.9



REPORT NUMBER: P1436823

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3224.5	3289.8	3249.4	3316.4	3412.4	3536.5	3830.5	4348.3	4916.5	5361.8	5693.2
46°	3252.4	3314.8	3279.2	3345.7	3446.5	3575.3	3866.0	4379.4	4952.2	5397.1	5706.7
47°	3282.9	3341.3	3310.3	3374.6	3480.7	3616.4	3904.4	4411.5	4988.0	5431.9	5716.2
48°	3316.4	3363.9	3343.5	3403.6	3513.8	3659.0	3947.1	4439.6	5026.4	5463.5	5722.5
49°	3351.7	3386.7	3378.1	3434.4	3547.6	3700.3	3989.6	4465.3	5064.8	5492.4	5727.5
50°	3386.5	3409.4	3414.7	3467.2	3582.0	3740.6	4032.2	4488.4	5100.1	5517.8	5729.8
51°	3422.4	3434.0	3450.7	3501.9	3616.7	3778.7	4074.0	4509.9	5133.5	5540.8	5729.8
52°	3459.1	3457.0	3488.3	3539.0	3653.6	3816.7	4114.3	4532.3	5163.4	5561.6	5728.0
53°	3495.9	3478.6	3525.2	3578.0	3691.3	3856.2	4151.1	4552.2	5190.0	5580.1	5724.8
54°	3532.4	3499.3	3560.7	3618.1	3731.3	3896.4	4184.6	4571.2	5212.6	5595.5	5718.0
55°	3565.4	3520.8	3592.4	3660.3	3774.4	3938.6	4215.3	4586.5	5231.2	5605.9	5708.1
56°	3594.0	3541.7	3620.5	3702.3	3819.9	3981.8	4243.3	4600.5	5244.7	5614.5	5692.3
57°	3617.9	3562.4	3646.7	3745.2	3868.4	4024.0	4268.8	4613.2	5251.1	5617.7	5671.5
58°	3641.1	3582.4	3670.2	3783.4	3920.0	4066.3	4292.0	4621.3	5254.7	5613.1	5640.7
59°	3663.0	3602.1	3692.1	3818.7	3973.0	4108.3	4311.5	4623.6	5252.4	5603.2	5607.3
60°	3683.5	3619.2	3711.0	3854.9	4027.5	4148.9	4326.0	4620.9	5241.1	5589.2	5567.0
61°	3700.4	3635.0	3726.8	3894.8	4083.0	4189.3	4335.4	4617.7	5222.6	5569.7	5525.0
62°	3714.0	3651.4	3741.5	3934.8	4139.7	4231.5	4339.8	4610.9	5198.2	5540.4	5475.3
63°	3729.9	3666.7	3757.4	3969.7	4194.6	4272.9	4341.5	4594.7	5165.6	5501.9	5414.7
64°	3744.3	3682.5	3774.3	4002.0	4251.8	4311.9	4337.4	4569.8	5124.0	5453.6	5338.8
65°	3757.5	3685.4	3785.9	4034.9	4307.4	4349.0	4326.2	4527.3	5066.6	5393.4	5247.9
66°	3764.9	3666.1	3785.1	4069.4	4358.7	4382.1	4301.0	4460.2	4989.3	5318.9	5142.1
67°	3761.1	3644.4	3775.7	4097.9	4408.0	4402.4	4255.2	4370.0	4886.7	5233.0	5026.8
68°	3750.2	3606.1	3761.9	4121.1	4450.0	4404.9	4183.4	4223.1	4755.1	5125.8	4900.7
69°	3717.0	3506.7	3722.4	4133.2	4485.0	4390.9	4070.8	3992.7	4587.4	4995.6	4766.0
70°	3643.5	3338.3	3636.3	4134.1	4510.4	4357.3	3888.7	3667.6	4357.4	4840.6	4617.3
71°	3512.7	3082.5	3489.5	4118.8	4522.8	4292.8	3632.1	3291.0	4054.1	4652.1	4460.6
72°	3300.6	2768.4	3260.5	4081.5	4511.6	4198.8	3350.4	2954.9	3712.9	4443.1	4302.7
73°	3006.6	2446.0	2978.2	4021.8	4454.8	4057.2	3087.9	2652.3	3347.1	4186.7	4137.7
74°	2686.4	2123.2	2656.7	3907.8	4345.7	3888.7	2836.9	2307.5	2988.1	3889.2	3959.8
75°	2353.6	1719.1	2311.8	3725.9	4189.6	3712.4	2490.5	1775.1	2583.7	3557.2	3746.8
76°	1997.4	1294.2	1951.6	3510.0	3952.3	3522.3	1976.5	1107.2	2072.7	3207.7	3494.5
77°	1595.7	1013.2	1574.5	3258.2	3592.0	3267.3	1398.8	517.7	1431.1	2806.2	3143.4
78°	1332.1	1062.5	1351.3	2934.1	3101.3	2863.5	821.2	378.2	777.5	2321.3	2653.5
79°	1377.7	1340.0	1453.2	2512.9	2558.8	2248.9	244.9	252.8	345.7	1761.0	2077.2
80°	1655.7	1529.5	1722.2	2078.1	2026.2	1588.8	159.6	127.3	245.6	1110.1	1438.4
81°	1752.1	1186.2	1717.6	1695.4	1574.1	928.7	131.3	109.4	146.5	528.9	795.9
82°	1325.1	842.9	1289.1	1537.7	1252.8	281.5	112.7	95.3	121.2	386.2	574.2
83°	898.1	500.9	860.5	1212.0	931.5	189.0	94.0	81.6	102.6	250.5	364.1
84°	473.0	267.3	434.1	886.2	611.6	155.0	75.5	67.8	85.2	114.8	154.1
85°	250.0	161.2	241.8	560.5	356.1	126.2	60.1	53.3	66.4	85.9	129.7
86°	200.2	56.4	193.7	311.8	250.7	97.3	46.3	40.0	49.8	65.6	104.5
87°	150.5	38.1	145.6	249.6	145.4	68.6	33.5	26.8	35.7	48.0	74.2
88°	100.7	19.7	97.5	187.4	40.9	52.0	23.1	13.6	21.7	30.6	40.5
89°	51.0	1.8	49.4	125.2	21.6	35.5	12.7	4.5	7.7	23.2	30.5



REPORT NUMBER: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2890.4	2890.4	2890.4
1°	2924.9	2930.3	2932.4
2°	2968.3	2978.1	2981.0
3°	3016.9	3031.5	3036.0
4°	3070.5	3091.1	3097.7
5°	3128.7	3156.7	3165.7
6°	3192.9	3229.1	3241.0
7°	3262.2	3307.5	3322.4
8°	3336.2	3391.1	3409.1
9°	3416.7	3482.8	3505.0
10°	3503.6	3583.3	3608.7
11°	3597.2	3690.7	3720.9
12°	3697.0	3804.7	3841.5
13°	3805.6	3928.5	3971.7
14°	3917.0	4058.3	4109.1
15°	4033.9	4193.5	4252.0
16°	4157.5	4334.5	4399.0
17°	4285.4	4474.9	4544.0
18°	4411.9	4617.3	4687.3
19°	4534.5	4752.0	4827.0
20°	4654.3	4881.7	4963.1
21°	4770.5	5004.2	5090.6
22°	4881.3	5121.8	5211.3
23°	4987.1	5237.9	5322.9
24°	5090.6	5349.6	5431.0
25°	5193.6	5457.2	5534.0
26°	5295.8	5555.3	5621.3
27°	5394.8	5641.6	5701.3
28°	5483.4	5716.7	5773.2
29°	5567.5	5794.4	5850.0
30°	5652.5	5879.9	5941.3
31°	5737.0	5959.0	6017.7
32°	5816.6	6016.8	6074.7
33°	5874.0	6045.3	6096.8
34°	5904.3	6039.9	6084.2
35°	5904.7	6004.2	6040.8
36°	5884.8	5949.5	5983.4
37°	5847.8	5896.1	5935.0
38°	5814.3	5860.9	5912.4
39°	5797.6	5845.5	5904.3
40°	5791.7	5837.8	5901.6
41°	5790.4	5834.2	5899.3
42°	5790.4	5830.1	5892.5
43°	5790.8	5825.2	5879.4
44°	5790.8	5816.6	5858.6

REPORT NUMBER: P1436823

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5789.4	5801.7	5831.0
46°	5786.7	5781.8	5797.1
47°	5780.9	5759.6	5760.5
48°	5772.3	5735.7	5721.6
49°	5757.4	5710.8	5681.4
50°	5739.3	5686.8	5638.0
51°	5716.2	5658.8	5588.7
52°	5689.5	5624.0	5533.6
53°	5661.5	5582.4	5472.6
54°	5632.6	5529.1	5403.8
55°	5599.6	5466.7	5327.4
56°	5559.8	5394.8	5240.7
57°	5510.5	5311.2	5142.6
58°	5450.0	5214.9	5033.6
59°	5383.1	5105.5	4917.4
60°	5306.2	4986.1	4778.2
61°	5216.7	4850.1	4605.5
62°	5119.1	4686.9	4400.0
63°	5016.0	4496.4	4169.4
64°	4901.6	4288.6	3941.1
65°	4773.7	4094.9	3742.9
66°	4635.8	3928.0	3585.6
67°	4499.3	3786.2	3484.9
68°	4363.7	3678.9	3433.3
69°	4245.9	3595.3	3388.5
70°	4142.6	3521.6	3261.8
71°	4035.7	3403.1	3010.2
72°	3913.7	3193.4	2674.6
73°	3798.1	2903.1	2338.7
74°	3650.8	2569.6	2027.7
75°	3431.9	2207.7	1575.8
76°	3142.3	1767.0	963.7
77°	2807.6	1182.7	426.5
78°	2379.8	594.2	320.6
79°	1787.5	429.2	222.0
80°	1038.1	279.9	123.4
81°	496.4	130.7	107.6
82°	370.3	108.5	94.7
83°	247.3	94.6	82.2
84°	124.3	79.3	69.6
85°	90.7	63.7	56.6
86°	68.2	49.5	42.4
87°	50.0	36.6	30.7
88°	40.1	23.7	19.1
89°	30.5	10.9	7.5



REPORT NUMBER: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436823

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)