

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: P1436796

Luminaire Tested: XAS300-SFPM (4000K-120W-T3-HSS)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436796  
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 (4000K-120W-T3-HSS)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

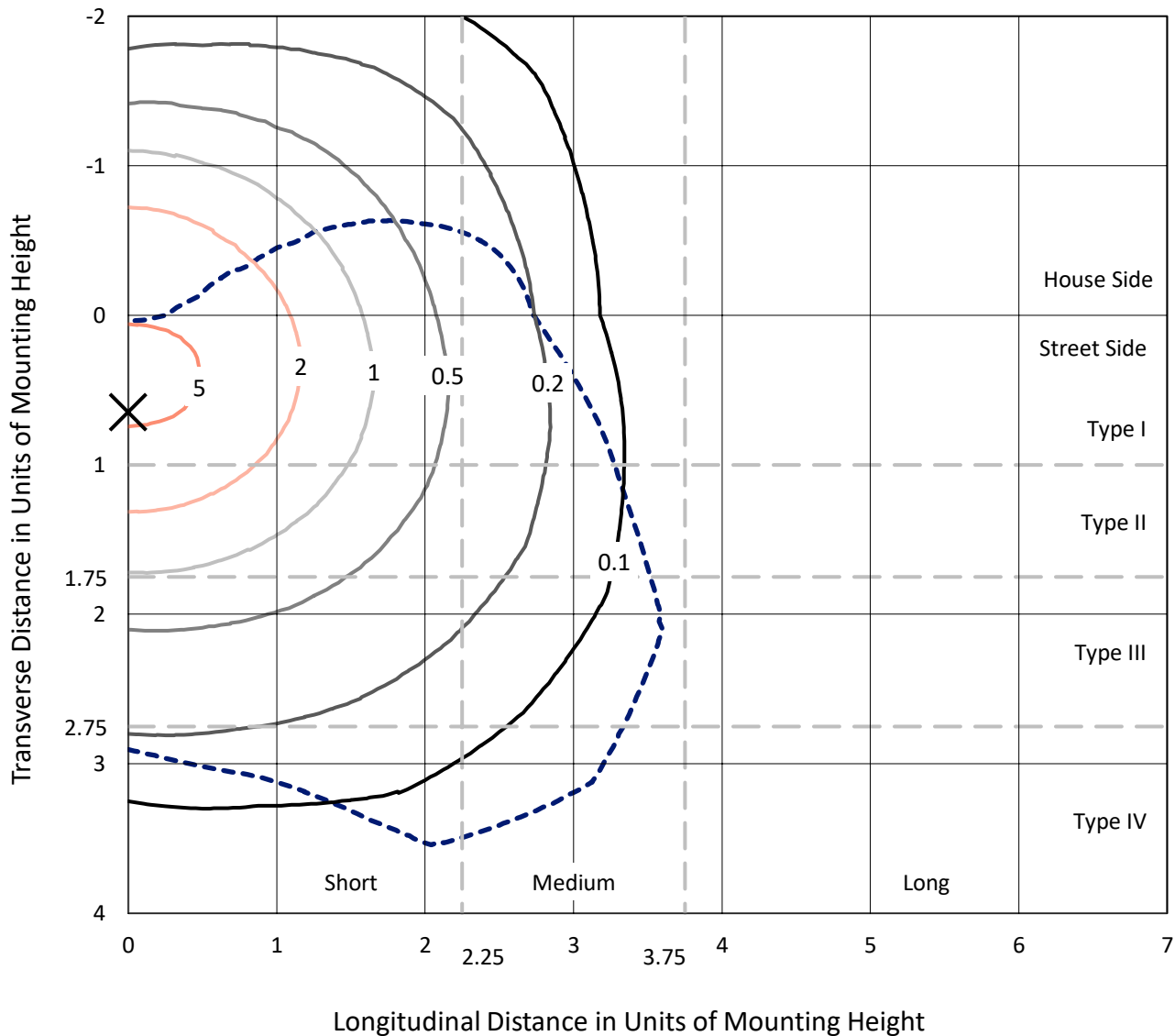
Lumens per Lamp: 38695 (1 lamp)  
Luminaire Lumens: 17565 lumens  
Efficiency: 45.4%  
Efficacy: 142.7 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 123.1  
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

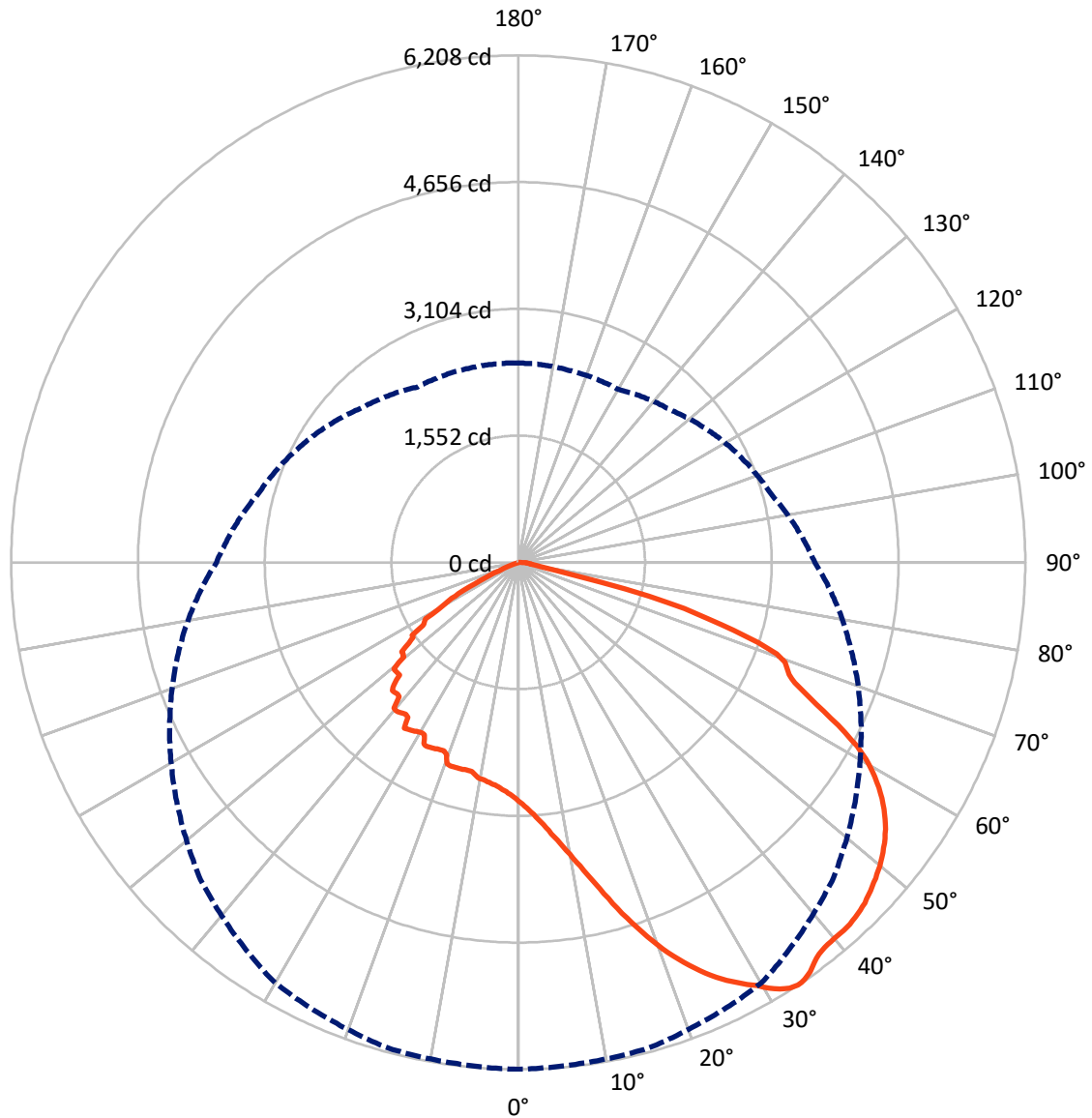
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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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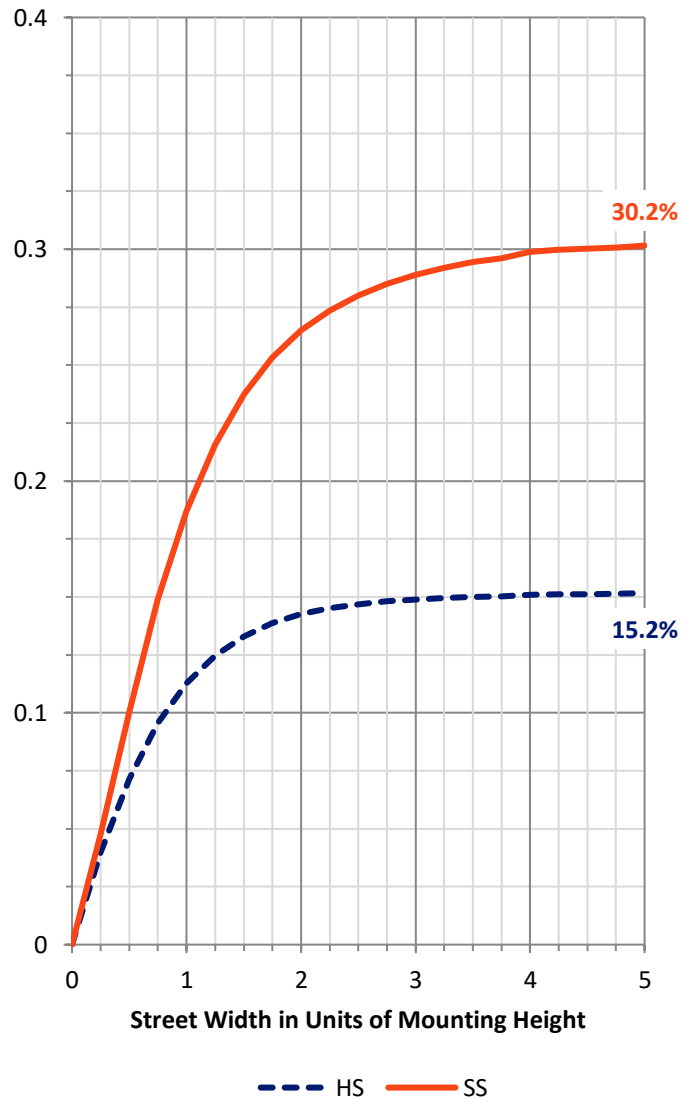
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5898.3	0.0	5898.3
	% Lamp	15.2	0.0	15.2
<b>Street Side</b>	Lumens	11666.7	0.0	11666.7
	% Lamp	30.2	0.0	30.2
<b>Total</b>	Lumens	17565.0	0.0	17565.0
	% Lamp	45.4	0.0	45.4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	288.9	1.6	0.7
10°-20°	946.8	5.4	2.4
20°-30°	1744.6	9.9	4.5
30°-40°	2544.2	14.5	6.6
40°-50°	3140.2	17.9	8.1
50°-60°	3507.2	20.0	9.1
60°-70°	3285.0	18.7	8.5
70°-80°	1948.1	11.1	5.0
80°-90°	159.9	0.9	0.4
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	17565.0	100.0	45.4
0°-180°	17565.0	100.0	45.4

**Coefficient of Utilization**



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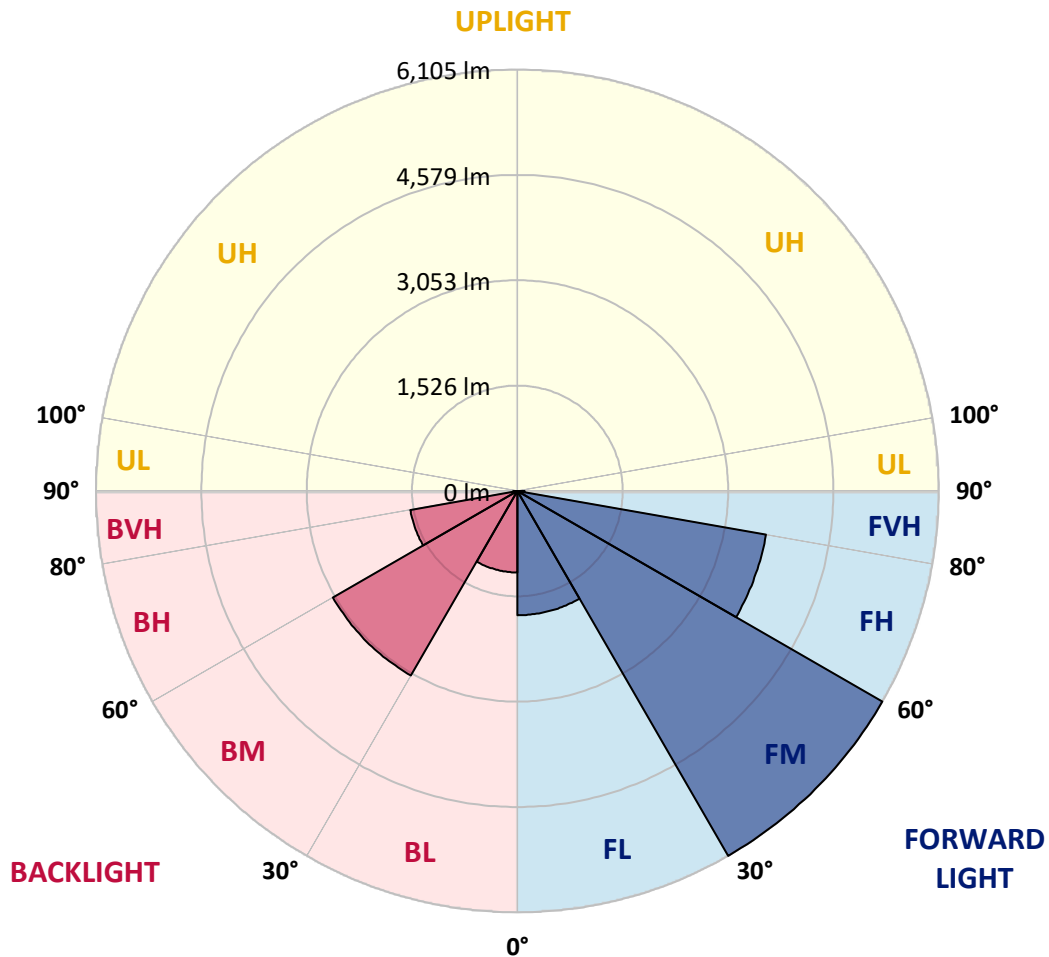
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1800.2	4.7			
FM (30°-60°)	6105.4	15.8			
FH (60°-80°)	3657.3	9.5			G2/5000
FVH (80°-90°)	103.8	0.3			G2/225
BL (0°-30°)	1180.1	3.0	B3/2500		
BM (30°-60°)	3086.3	8.0	B3/5000		
BH (60°-80°)	1575.8	4.1	B3/2500		G3/2500
BVH (80°-90°)	56.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	21130.0	54.6			

**BUG Rating: B3-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3
1°	2984.1	2984.3	2980.7	2975.0	2967.1	2956.1	2935.0	2923.9	2913.6	2906.1	2900.1
2°	3036.2	3034.2	3024.2	3009.2	2991.2	2969.0	2936.3	2914.2	2894.4	2878.4	2866.6
3°	3093.2	3089.0	3072.8	3049.0	3018.5	2984.4	2939.9	2907.1	2878.2	2854.3	2838.2
4°	3157.6	3150.1	3127.4	3093.4	3050.2	3003.8	2946.7	2902.9	2864.0	2833.6	2813.0
5°	3228.3	3217.8	3186.4	3141.2	3086.1	3026.0	2956.7	2901.6	2853.7	2816.6	2791.3
6°	3304.9	3291.1	3252.4	3195.0	3125.1	3049.6	2967.5	2902.2	2845.4	2801.6	2771.0
7°	3389.1	3372.9	3324.1	3253.6	3166.7	3074.8	2979.1	2903.3	2838.9	2788.6	2755.5
8°	3478.0	3458.2	3401.5	3316.1	3211.5	3102.5	2992.8	2906.0	2833.6	2778.7	2743.7
9°	3576.4	3551.7	3485.1	3383.0	3259.9	3132.8	3008.2	2909.5	2828.7	2772.5	2733.6
10°	3682.4	3653.6	3574.0	3454.7	3311.3	3164.7	3024.0	2913.7	2824.5	2767.5	2725.3
11°	3795.2	3761.8	3670.9	3532.4	3365.8	3199.1	3042.1	2919.6	2823.1	2763.7	2718.3
12°	3916.5	3877.8	3772.6	3613.9	3422.9	3235.4	3054.4	2920.4	2824.6	2760.6	2714.5
13°	4049.9	4003.3	3881.3	3701.1	3484.3	3265.8	3068.3	2922.0	2819.2	2758.7	2710.6
14°	4189.3	4135.1	3994.1	3791.5	3549.3	3298.9	3084.9	2924.2	2816.0	2759.1	2681.4
15°	4333.5	4273.7	4113.4	3884.1	3609.4	3334.1	3103.7	2930.8	2813.0	2753.1	2663.2
16°	4481.0	4411.4	4235.6	3981.8	3674.0	3373.2	3129.4	2942.7	2814.1	2743.5	2663.7
17°	4627.4	4553.5	4358.9	4081.5	3740.5	3416.5	3152.4	2951.3	2818.0	2721.1	2667.2
18°	4772.3	4691.9	4482.9	4183.2	3805.8	3463.4	3178.4	2963.8	2821.4	2707.7	2672.2
19°	4914.3	4827.6	4606.1	4282.6	3876.9	3508.0	3209.5	2982.6	2828.9	2707.5	2679.6
20°	5051.9	4961.1	4725.5	4372.3	3947.7	3555.6	3243.0	3003.3	2841.5	2709.7	2685.8
21°	5180.8	5088.6	4841.3	4469.4	4023.3	3608.1	3276.2	3019.8	2853.4	2713.9	2686.5
22°	5302.9	5209.4	4952.5	4557.1	4093.1	3664.1	3303.9	3026.1	2856.7	2724.8	2686.0
23°	5418.7	5327.0	5061.9	4643.3	4166.7	3721.3	3321.1	3037.3	2845.6	2735.1	2663.8
24°	5529.0	5437.7	5167.6	4729.1	4239.2	3772.8	3343.7	3057.7	2848.8	2740.2	2575.0
25°	5632.0	5546.2	5270.7	4815.4	4311.1	3819.5	3375.2	3069.6	2851.7	2745.6	2544.1
26°	5722.8	5641.1	5371.0	4897.5	4384.5	3859.4	3406.2	3082.2	2855.3	2754.5	2548.7
27°	5802.2	5727.3	5466.3	4977.9	4457.5	3905.1	3428.8	3103.3	2871.1	2755.7	2556.1
28°	5879.0	5805.0	5556.2	5056.9	4529.1	3959.1	3459.6	3124.7	2886.7	2703.4	2560.9
29°	5956.1	5883.5	5637.5	5130.9	4594.3	4017.0	3498.7	3142.1	2893.0	2653.6	2564.8
30°	6049.6	5972.9	5718.3	5207.1	4656.5	4067.1	3538.7	3152.5	2896.6	2629.9	2569.7
31°	6126.3	6055.1	5802.7	5290.2	4706.4	4116.3	3574.5	3166.9	2909.2	2624.9	2577.2
32°	6184.5	6120.0	5881.7	5376.9	4764.5	4167.6	3603.7	3188.3	2923.6	2627.9	2516.3
33°	6207.6	6157.7	5950.2	5458.6	4833.5	4224.6	3632.5	3208.3	2925.8	2638.2	2446.0
34°	6194.9	6153.6	5990.2	5533.5	4906.2	4285.3	3668.9	3220.4	2935.3	2649.9	2440.7
35°	6152.7	6118.6	5989.7	5589.3	4975.2	4347.1	3710.4	3238.5	2943.6	2658.1	2444.3
36°	6095.9	6067.8	5959.8	5624.7	5036.4	4404.5	3750.8	3260.6	2949.8	2660.2	2452.9
37°	6046.0	6010.6	5916.6	5631.1	5076.8	4448.4	3781.0	3277.1	2945.7	2657.4	2467.9
38°	6024.2	5974.3	5875.8	5618.8	5101.8	4489.0	3813.2	3292.1	2896.2	2590.1	2474.9
39°	6017.4	5957.0	5848.5	5602.1	5110.0	4524.4	3856.4	3306.4	2859.2	2553.4	2477.6
40°	6015.6	5948.0	5835.8	5591.6	5109.1	4549.8	3897.3	3321.2	2848.0	2569.9	2391.7
41°	6013.8	5943.0	5829.5	5588.0	5116.3	4569.3	3928.6	3331.7	2867.3	2587.1	2355.3
42°	6007.9	5938.0	5825.8	5587.1	5132.2	4588.9	3950.9	3337.6	2886.4	2587.0	2367.0
43°	5994.7	5932.1	5823.1	5591.6	5150.8	4606.1	3966.4	3356.9	2879.7	2593.0	2363.9
44°	5975.2	5923.0	5818.1	5600.2	5171.3	4624.3	3979.3	3375.7	2880.6	2609.2	2361.3

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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5947.5	5908.5	5810.4	5608.9	5190.3	4648.3	3994.9	3399.6	2896.9	2620.7	2360.6
46°	5915.7	5889.8	5800.4	5614.3	5209.4	4677.4	4010.8	3391.7	2915.0	2546.2	2245.5
47°	5879.0	5869.4	5788.6	5618.4	5228.5	4707.8	4022.7	3370.6	2918.8	2493.6	2215.6
48°	5840.8	5845.4	5775.5	5623.4	5247.1	4736.4	4045.4	3380.7	2916.6	2498.0	2224.0
49°	5800.0	5820.8	5758.7	5625.2	5268.9	4763.2	4071.1	3401.4	2863.2	2513.9	2223.8
50°	5755.5	5795.4	5739.1	5620.7	5285.2	4787.2	4094.2	3416.0	2837.7	2512.9	2210.0
51°	5706.5	5764.6	5715.5	5612.0	5304.3	4807.7	4112.6	3420.4	2842.3	2509.0	2085.2
52°	5650.2	5728.7	5689.2	5604.3	5325.1	4826.7	4111.3	3433.7	2842.9	2419.3	2083.2
53°	5589.3	5685.6	5659.2	5595.7	5342.9	4840.3	4090.0	3440.3	2863.7	2393.3	2098.5
54°	5521.3	5632.9	5628.8	5584.8	5351.9	4853.1	4067.4	3432.4	2863.1	2398.3	2110.5
55°	5444.1	5571.6	5593.9	5571.2	5355.1	4860.8	4064.1	3427.6	2858.9	2395.7	1988.3
56°	5355.1	5498.6	5552.1	5552.1	5355.1	4863.9	4065.0	3416.7	2836.2	2351.4	1961.5
57°	5258.0	5415.5	5502.6	5530.3	5353.7	4868.9	4060.4	3407.2	2793.4	2279.1	1962.6
58°	5149.5	5319.2	5443.2	5505.8	5347.8	4876.2	4042.9	3371.1	2784.6	2301.7	1868.6
59°	5031.5	5210.8	5378.3	5476.8	5339.2	4879.4	4025.1	3354.3	2778.6	2327.9	1813.8
60°	4893.5	5088.2	5300.2	5440.4	5323.8	4875.3	4006.5	3327.7	2767.6	2309.7	1809.6
61°	4718.7	4945.2	5214.4	5394.1	5301.5	4859.4	3977.8	3297.0	2742.9	2237.2	1678.2
62°	4510.6	4771.8	5116.3	5337.0	5274.3	4826.3	3937.2	3261.8	2711.1	2225.5	1666.5
63°	4278.0	4575.2	5006.0	5269.8	5237.5	4772.3	3884.4	3220.4	2702.6	2192.2	1571.9
64°	4048.4	4371.8	4882.6	5195.3	5189.4	4703.3	3822.7	3174.8	2673.2	2151.8	1528.5
65°	3849.5	4173.1	4748.2	5111.8	5133.6	4627.4	3761.0	3136.9	2613.9	2131.2	1420.8
66°	3691.2	3998.8	4601.1	5013.7	5066.0	4558.4	3680.7	3089.3	2615.5	2078.6	1371.8
67°	3587.8	3850.3	4460.4	4903.9	4982.0	4478.0	3587.4	3025.0	2632.3	2057.8	1261.9
68°	3534.5	3740.2	4325.7	4777.7	4882.1	4378.2	3455.0	2951.6	2645.2	2015.1	1170.5
69°	3486.6	3661.3	4201.1	4641.5	4760.4	4250.0	3299.9	2862.5	2584.4	1979.5	1063.5
70°	3356.9	3588.1	4080.8	4493.9	4620.2	4062.3	3060.9	2734.6	2517.0	1945.3	985.0
71°	3100.5	3463.5	3972.7	4343.6	4457.5	3817.8	2753.1	2558.2	2461.3	1900.3	928.8
72°	2762.5	3251.7	3870.1	4189.4	4277.4	3529.3	2449.0	2366.8	2388.0	1849.6	872.5
73°	2427.2	2960.7	3755.0	4039.1	4070.8	3205.9	2175.6	2170.1	2274.1	1794.9	816.3
74°	2110.2	2638.0	3616.9	3886.1	3832.5	2878.6	1921.3	1972.3	2155.8	1722.7	763.5
75°	1653.7	2282.9	3438.9	3699.8	3573.4	2531.7	1613.7	1769.0	2031.1	1626.4	688.6
76°	1038.9	1845.4	3187.6	3485.1	3266.5	2149.9	1176.8	1531.9	1899.4	1507.8	610.1
77°	491.0	1226.7	2859.2	3187.2	2916.5	1625.1	740.0	1148.0	1765.4	1337.9	535.0
78°	385.7	616.3	2456.3	2798.8	2497.9	1022.9	309.6	764.2	1614.3	1114.6	457.3
79°	285.4	472.7	1921.0	2320.5	2006.6	510.5	141.1	384.2	1372.4	891.2	387.8
80°	185.1	329.3	1231.8	1735.6	1423.6	379.9	121.0	281.6	980.3	668.1	335.1
81°	168.5	185.8	639.2	1106.8	826.2	254.6	100.9	179.0	589.5	493.3	337.2
82°	153.2	164.2	478.6	532.4	371.8	129.2	80.9	78.9	258.2	403.3	314.0
83°	138.7	147.1	324.9	408.9	254.9	109.0	69.3	64.1	195.7	343.7	251.3
84°	123.8	130.5	171.2	287.5	139.6	92.4	58.1	51.4	133.3	272.7	173.2
85°	108.9	114.1	138.6	166.1	112.1	76.6	47.1	40.5	71.9	193.7	123.9
86°	92.8	98.6	111.3	141.2	89.8	60.9	36.5	31.1	59.3	155.4	75.2
87°	76.9	83.8	92.1	112.6	71.5	46.6	26.1	23.1	46.1	117.1	49.1
88°	62.7	69.4	73.3	80.5	55.4	35.4	18.5	16.5	30.6	78.8	33.6
89°	51.4	54.4	53.8	47.7	42.5	24.2	11.0	9.8	21.3	40.5	18.1



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3	2939.3
1°	2897.4	2897.7	2901.3	2907.5	2916.5	2926.5	2937.3	2938.4	2949.3	2960.1	2969.6
2°	2861.2	2859.9	2865.2	2875.8	2891.3	2909.7	2931.4	2943.5	2965.3	2986.7	3006.1
3°	2829.7	2827.2	2833.8	2848.0	2868.4	2895.4	2926.6	2950.2	2983.6	3016.9	3047.3
4°	2802.1	2799.0	2806.8	2823.3	2849.3	2883.9	2924.5	2959.1	3004.8	3050.9	3092.5
5°	2776.6	2773.4	2782.2	2801.8	2832.0	2874.2	2923.6	2969.5	3027.3	3086.7	3142.1
6°	2755.5	2752.1	2761.6	2782.1	2817.6	2865.7	2925.0	2982.0	3052.1	3125.6	3196.0
7°	2738.3	2734.1	2744.8	2767.3	2804.0	2859.3	2927.2	2995.2	3079.1	3168.2	3253.7
8°	2723.3	2718.1	2729.7	2756.0	2794.2	2853.6	2930.4	3009.2	3107.8	3213.5	3315.1
9°	2709.3	2703.5	2716.0	2745.2	2787.6	2848.3	2933.5	3024.7	3138.0	3262.1	3382.0
10°	2698.1	2691.9	2704.5	2736.1	2782.3	2844.2	2939.1	3042.9	3170.3	3313.5	3452.5
11°	2690.2	2683.7	2696.4	2729.2	2778.4	2843.8	2946.1	3063.4	3206.7	3368.6	3528.9
12°	2673.3	2653.9	2679.6	2724.9	2776.1	2845.9	2947.5	3076.9	3245.2	3426.4	3610.1
13°	2642.7	2623.9	2648.8	2722.6	2774.9	2841.2	2952.2	3093.6	3276.6	3491.1	3697.3
14°	2628.7	2621.1	2634.8	2691.9	2775.7	2840.0	2956.7	3110.4	3312.0	3554.8	3790.0
15°	2630.3	2621.2	2634.9	2671.9	2770.5	2840.4	2966.6	3131.9	3348.2	3615.8	3886.3
16°	2632.2	2623.2	2637.0	2673.9	2767.1	2845.4	2975.9	3157.5	3389.1	3680.9	3987.4
17°	2636.5	2626.4	2641.7	2678.5	2746.3	2848.5	2987.7	3182.8	3438.2	3747.8	4090.7
18°	2639.5	2626.8	2645.0	2684.5	2735.9	2854.5	3004.4	3210.5	3481.5	3821.4	4192.1
19°	2641.6	2627.3	2647.7	2693.4	2732.2	2866.9	3024.7	3244.4	3529.8	3895.4	4287.4
20°	2643.6	2616.3	2650.9	2699.8	2735.4	2881.8	3044.5	3278.8	3580.3	3973.9	4387.1
21°	2589.8	2508.8	2600.9	2700.3	2744.7	2893.3	3060.6	3309.5	3638.0	4047.8	4482.9
22°	2512.4	2481.2	2527.8	2702.0	2756.4	2898.3	3069.4	3337.2	3695.7	4124.5	4572.1
23°	2500.2	2484.3	2515.3	2686.5	2765.1	2891.9	3087.6	3356.8	3751.9	4202.4	4663.3
24°	2504.9	2491.2	2521.0	2596.7	2772.3	2899.1	3110.9	3384.2	3803.9	4278.8	4752.3
25°	2513.6	2500.7	2530.4	2572.6	2779.2	2904.3	3124.9	3419.3	3848.9	4356.7	4837.2
26°	2523.8	2509.3	2541.7	2581.2	2789.9	2908.3	3142.0	3447.4	3895.3	4432.4	4922.1
27°	2532.2	2519.1	2551.5	2588.6	2790.5	2926.3	3167.1	3474.9	3948.9	4507.2	5002.9
28°	2541.0	2501.6	2563.2	2594.6	2741.4	2941.2	3190.6	3510.8	4009.3	4577.1	5084.1
29°	2496.7	2402.2	2516.1	2598.4	2694.0	2946.1	3206.2	3551.4	4068.3	4645.6	5166.7
30°	2413.1	2394.6	2433.5	2606.6	2669.1	2951.3	3220.0	3591.7	4120.3	4707.8	5250.7
31°	2410.1	2407.8	2430.0	2614.9	2665.7	2965.5	3240.5	3626.6	4177.6	4770.0	5335.6
32°	2419.8	2424.4	2440.1	2547.1	2673.1	2979.5	3265.1	3657.5	4243.1	4837.2	5418.7
33°	2431.8	2440.2	2452.4	2477.9	2685.6	2982.1	3288.4	3694.3	4311.1	4907.5	5498.1
34°	2443.4	2453.0	2463.0	2475.2	2698.1	2992.2	3301.4	3740.0	4373.2	4977.4	5568.5
35°	2452.6	2463.8	2471.6	2478.4	2704.0	2999.5	3323.5	3785.0	4426.4	5045.5	5615.7
36°	2455.9	2331.6	2472.6	2489.0	2704.9	3004.7	3345.3	3826.6	4472.4	5092.7	5636.1
37°	2322.0	2312.6	2335.5	2502.8	2700.9	2998.5	3363.0	3857.1	4512.1	5120.9	5636.6
38°	2294.3	2326.0	2314.0	2507.4	2634.2	2951.9	3378.3	3893.3	4544.4	5132.2	5622.0
39°	2302.8	2342.2	2322.4	2514.8	2599.5	2919.8	3387.6	3930.5	4570.7	5134.9	5603.9
40°	2314.3	2356.4	2331.0	2428.6	2619.6	2910.7	3399.8	3958.9	4590.7	5139.9	5593.9
41°	2315.3	2343.6	2331.7	2397.7	2633.4	2929.5	3402.8	3984.3	4606.1	5151.3	5589.8
42°	2292.1	2197.8	2310.0	2405.9	2631.2	2940.8	3408.3	4006.2	4624.3	5165.4	5596.1
43°	2162.0	2187.0	2183.3	2401.3	2642.4	2928.4	3429.3	4024.6	4644.2	5182.2	5608.4
44°	2151.2	2194.8	2175.1	2399.0	2658.0	2933.4	3451.2	4040.9	4669.2	5200.8	5619.8



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2162.2	2198.8	2185.2	2398.7	2668.6	2952.9	3474.6	4059.3	4697.8	5218.9	5629.7
46°	2163.9	2136.3	2184.9	2277.7	2591.9	2970.4	3457.1	4072.6	4725.0	5241.2	5639.7
47°	2108.4	2002.0	2124.0	2259.7	2543.3	2979.7	3439.7	4089.1	4752.7	5265.7	5647.9
48°	1993.1	2002.4	2019.1	2265.9	2551.7	2972.5	3454.8	4114.5	4780.0	5289.3	5651.5
49°	2001.7	2005.0	2029.5	2265.2	2568.2	2919.9	3479.9	4136.4	4806.3	5309.7	5649.3
50°	2012.8	2004.0	2041.6	2246.4	2563.9	2906.2	3492.9	4154.4	4829.4	5332.4	5644.7
51°	2019.2	1819.9	2050.4	2127.7	2556.2	2911.3	3499.1	4164.3	4848.5	5351.9	5639.7
52°	1862.3	1801.5	1887.2	2131.0	2462.7	2916.6	3512.8	4150.6	4863.9	5367.8	5633.4
53°	1841.4	1799.0	1868.9	2146.6	2448.6	2935.1	3515.2	4123.6	4878.0	5377.4	5625.7
54°	1837.0	1662.4	1864.1	2157.8	2456.2	2932.4	3506.6	4108.2	4884.8	5380.5	5615.7
55°	1708.8	1579.0	1728.9	2028.2	2454.6	2926.8	3499.5	4106.5	4887.6	5380.1	5604.3
56°	1642.3	1575.1	1669.6	2007.1	2400.3	2902.1	3484.8	4107.0	4888.9	5381.0	5588.9
57°	1640.5	1401.0	1667.2	2009.0	2346.3	2861.0	3469.1	4097.1	4891.6	5377.4	5566.6
58°	1483.2	1360.6	1504.1	1904.1	2370.2	2854.5	3427.4	4072.1	4890.3	5367.4	5535.3
59°	1443.2	1329.2	1468.4	1864.7	2395.8	2845.1	3413.8	4052.0	4885.3	5353.7	5496.7
60°	1376.2	1127.2	1386.0	1856.0	2364.4	2831.5	3374.3	4028.2	4868.5	5334.7	5453.2
61°	1242.9	1026.6	1266.7	1722.7	2299.5	2799.1	3338.6	3996.4	4835.3	5309.7	5405.0
62°	1184.1	926.1	1187.8	1714.6	2288.6	2769.1	3294.6	3953.0	4781.3	5272.9	5351.9
63°	1066.4	824.9	1074.9	1604.3	2246.4	2757.1	3246.6	3892.3	4716.9	5226.2	5288.4
64°	948.8	669.0	961.9	1570.3	2210.9	2719.8	3198.6	3830.7	4640.2	5172.6	5210.8
65°	830.1	515.9	848.9	1455.8	2185.4	2665.0	3152.2	3758.3	4568.0	5106.4	5118.2
66°	676.7	385.5	685.9	1400.2	2132.0	2672.4	3091.5	3659.7	4489.5	5029.2	5015.1
67°	549.7	256.4	540.3	1299.3	2111.2	2681.5	3012.1	3548.8	4393.9	4939.3	4901.6
68°	402.1	127.2	399.1	1195.6	2058.7	2672.4	2924.7	3399.1	4268.8	4832.6	4779.5
69°	291.2	0.3	280.0	1069.9	2014.1	2583.9	2820.6	3199.4	4105.9	4706.4	4646.1
70°	262.0	0.2	245.2	993.4	1972.2	2500.8	2668.4	2909.7	3894.3	4560.3	4497.1
71°	233.4	0.2	213.9	931.9	1917.3	2425.1	2467.0	2583.6	3621.3	4392.7	4337.0
72°	201.6	0.2	182.1	870.5	1860.1	2334.0	2259.1	2286.7	3304.4	4208.1	4181.7
73°	167.5	0.3	148.0	808.8	1786.7	2207.2	2065.1	2037.3	2973.9	3982.2	4021.3
74°	136.9	0.3	115.0	739.2	1684.6	2085.6	1869.4	1758.7	2632.0	3709.0	3849.3
75°	108.4	0.3	94.4	654.9	1568.9	1962.5	1615.6	1358.3	2267.7	3399.9	3651.1
76°	80.0	0.4	87.3	579.5	1416.2	1818.0	1232.7	853.0	1821.6	3058.8	3414.2
77°	61.7	0.4	95.6	508.5	1209.7	1660.5	849.7	407.2	1258.7	2683.7	3107.1
78°	66.4	0.5	88.1	437.3	1002.1	1444.7	467.9	260.2	687.1	2233.5	2662.2
79°	90.0	0.6	80.5	382.2	794.4	1068.5	191.7	120.0	504.9	1722.3	2132.4
80°	92.9	0.7	72.8	351.8	588.9	692.3	137.4	101.8	322.7	1129.2	1523.8
81°	84.1	0.8	45.5	325.4	467.5	324.4	83.8	88.9	140.6	574.9	904.8
82°	61.2	0.9	25.2	278.3	390.5	241.3	68.8	77.1	118.9	426.4	393.6
83°	38.4	1.0	19.2	203.9	303.1	158.3	56.9	65.7	102.4	278.8	283.5
84°	22.9	1.1	13.3	129.4	201.7	76.1	46.6	54.6	87.2	131.3	185.4
85°	17.4	1.2	7.3	55.6	133.6	62.4	37.2	43.0	71.6	103.6	161.4
86°	12.0	1.3	6.2	32.8	65.8	49.6	28.7	33.0	56.7	83.2	135.7
87°	6.7	1.4	5.3	19.9	34.9	36.6	21.2	23.0	42.9	66.0	106.7
88°	5.3	1.6	4.5	14.1	24.1	25.3	15.0	13.0	31.6	50.1	73.3
89°	3.7	1.7	3.4	8.3	13.3	14.0	8.7	5.7	20.4	38.8	42.6



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	2939.3	2939.3	2939.3
1°	2976.9	2982.4	2984.1
2°	3022.0	3033.1	3036.2
3°	3071.7	3087.6	3093.2
4°	3126.6	3150.1	3157.6
5°	3188.3	3218.1	3228.3
6°	3253.1	3291.6	3304.9
7°	3324.2	3372.4	3389.1
8°	3401.0	3458.7	3478.0
9°	3482.8	3551.6	3576.4
10°	3572.0	3653.2	3682.4
11°	3668.0	3762.0	3795.2
12°	3769.5	3877.3	3916.5
13°	3878.5	4003.6	4049.9
14°	3992.7	4134.3	4189.3
15°	4113.7	4271.8	4333.5
16°	4236.7	4414.0	4481.0
17°	4364.9	4558.9	4627.4
18°	4493.0	4701.4	4772.3
19°	4619.3	4837.6	4914.3
20°	4741.4	4969.7	5051.9
21°	4859.4	5096.4	5180.8
22°	4970.6	5214.4	5302.9
23°	5079.1	5332.0	5418.7
24°	5182.2	5446.4	5529.0
25°	5286.1	5555.7	5632.0
26°	5390.1	5655.2	5722.8
27°	5488.1	5744.1	5802.2
28°	5573.0	5821.3	5879.0
29°	5651.5	5898.5	5956.1
30°	5735.1	5986.5	6049.6
31°	5818.6	6067.8	6126.3
32°	5895.3	6127.7	6184.5
33°	5949.3	6158.6	6207.6
34°	5975.2	6155.9	6194.9
35°	5971.1	6120.4	6152.7
36°	5948.4	6066.4	6095.9
37°	5909.4	6011.0	6046.0
38°	5872.1	5975.6	6024.2
39°	5849.9	5958.8	6017.4
40°	5839.9	5951.1	6015.6
41°	5835.4	5947.5	6013.8
42°	5830.8	5945.2	6007.9
43°	5826.3	5940.7	5994.7
44°	5822.7	5933.0	5975.2



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	5819.0	5918.4	5947.5
46°	5814.5	5899.8	5915.7
47°	5807.7	5879.0	5879.0
48°	5797.2	5855.3	5840.8
49°	5781.8	5830.8	5800.0
50°	5762.3	5805.9	5755.5
51°	5736.9	5778.6	5706.5
52°	5709.2	5744.1	5650.2
53°	5680.6	5701.5	5589.3
54°	5651.5	5648.8	5521.3
55°	5619.3	5587.1	5444.1
56°	5580.3	5514.0	5355.1
57°	5531.7	5432.3	5258.0
58°	5469.5	5333.3	5149.5
59°	5401.4	5224.4	5031.5
60°	5323.3	5105.0	4893.5
61°	5235.3	4967.9	4718.7
62°	5135.9	4801.8	4510.6
63°	5030.5	4607.9	4278.0
64°	4913.9	4398.1	4048.4
65°	4782.7	4200.8	3849.5
66°	4643.3	4027.2	3691.2
67°	4503.3	3883.4	3587.8
68°	4361.3	3769.5	3534.5
69°	4237.7	3685.6	3486.6
70°	4132.8	3610.9	3356.9
71°	4024.1	3495.0	3100.5
72°	3904.9	3286.8	2762.5
73°	3787.3	2994.2	2427.2
74°	3650.2	2665.2	2110.2
75°	3441.8	2305.9	1653.7
76°	3165.4	1864.4	1038.9
77°	2845.4	1287.9	491.0
78°	2450.3	689.4	385.7
79°	1897.1	519.4	285.4
80°	1174.8	355.4	185.1
81°	593.2	191.4	168.5
82°	444.5	166.7	153.2
83°	308.8	150.4	138.7
84°	173.2	133.1	123.8
85°	136.4	115.4	108.9
86°	110.9	99.0	92.8
87°	91.3	83.8	76.9
88°	72.5	68.9	62.7
89°	52.1	53.9	51.4



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436796

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)