

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: P1436771

Luminaire Tested: XAS300-SFPM (3000K-120W-T3)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436771  
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-T3)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 3  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

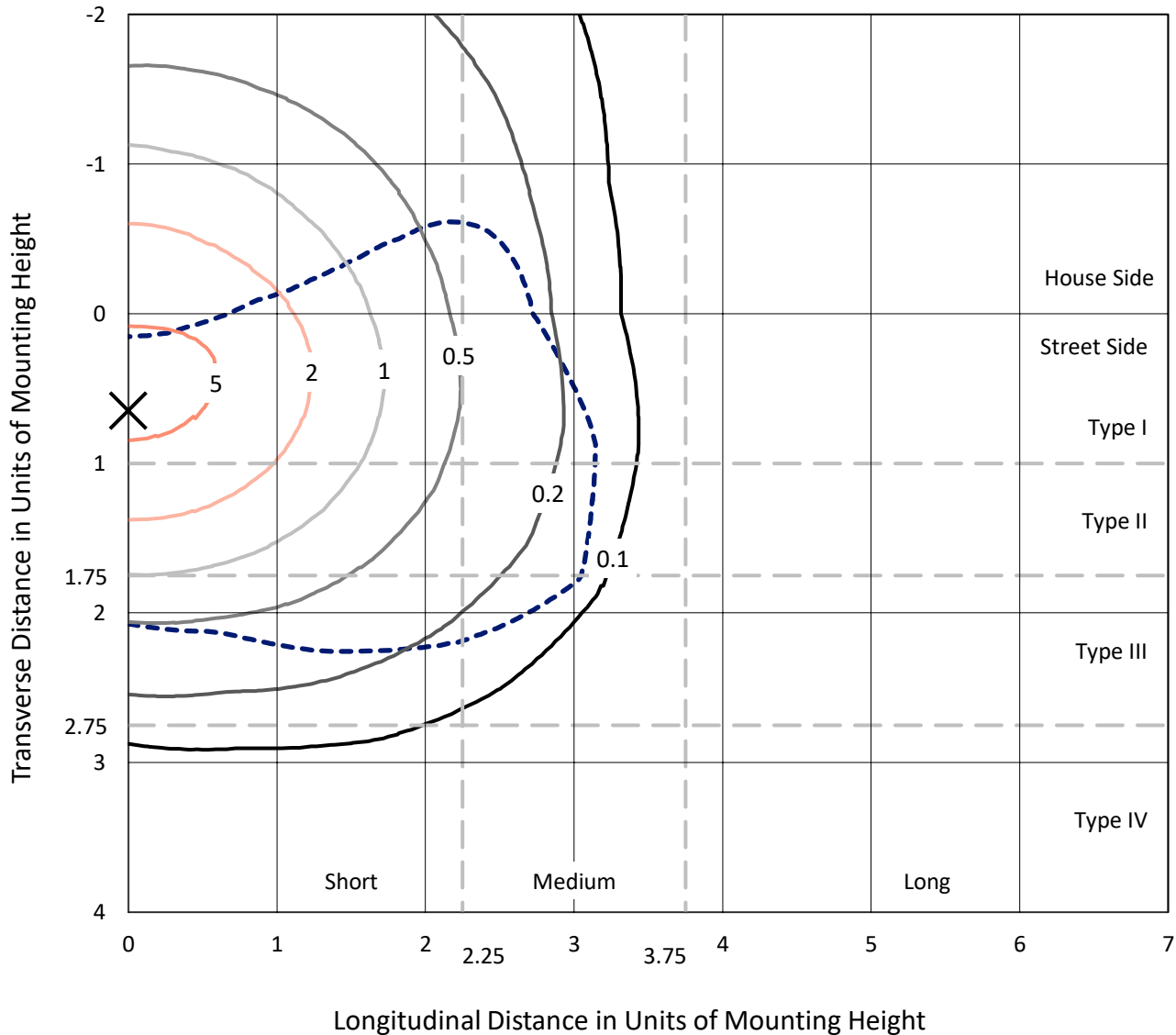
Lumens per Lamp: 45292 (1 lamp)  
Luminaire Lumens: 19733.7 lumens  
Efficiency: 43.6%  
Efficacy: 156.6 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 126  
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

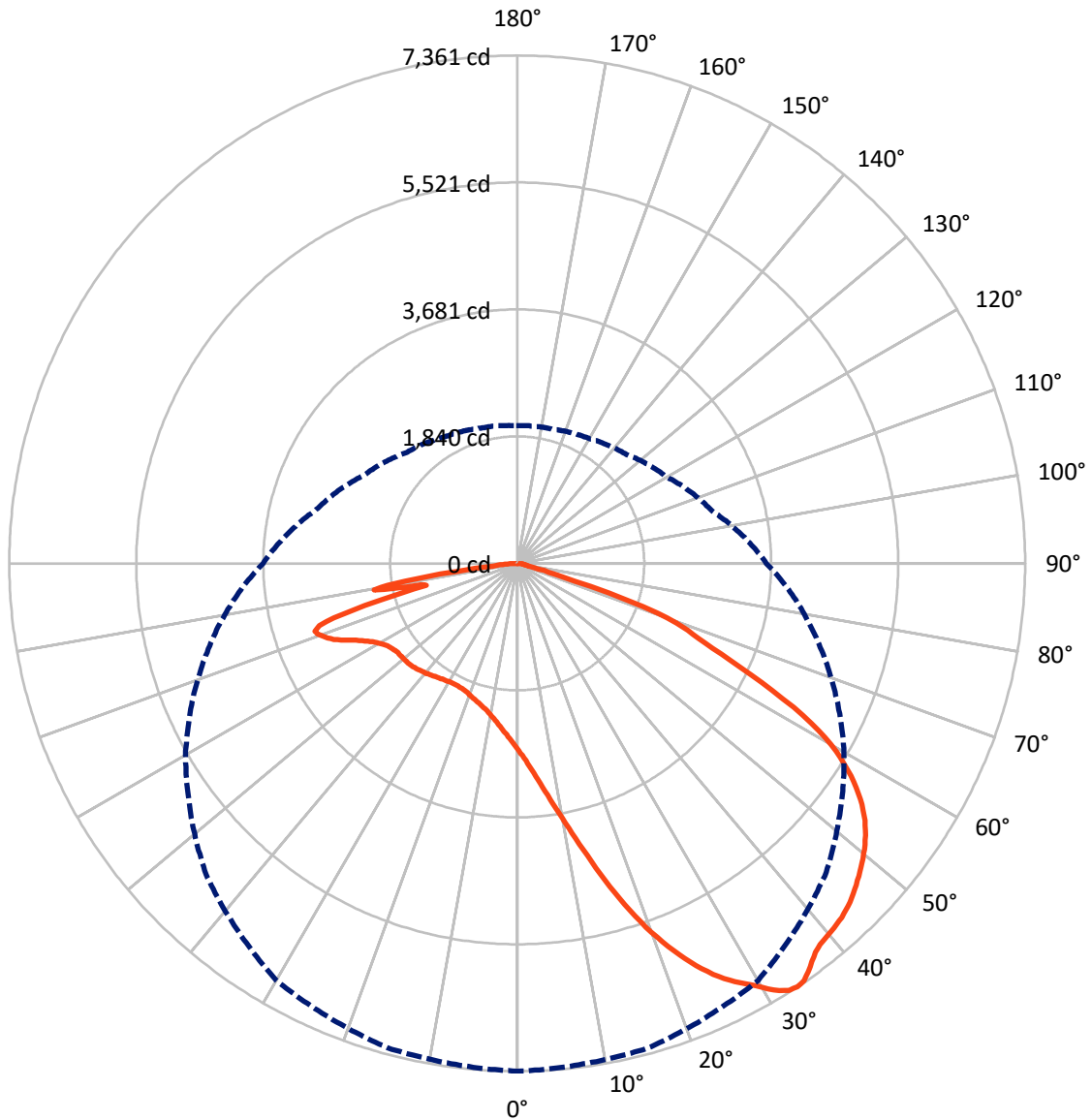
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type III - 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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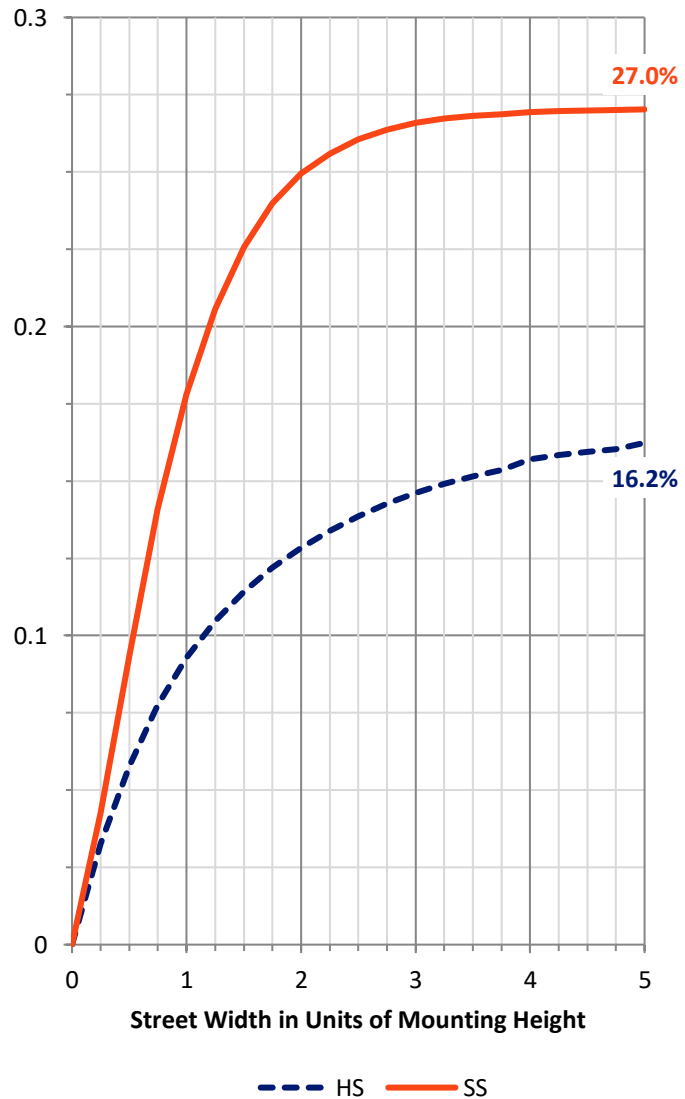
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7483.0	0.0	7483.0
	% Lamp	16.5	0.0	16.5
<b>Street Side</b>	Lumens	12250.7	0.0	12250.7
	% Lamp	27.0	0.0	27.0
<b>Total</b>	Lumens	19733.7	0.0	19733.7
	% Lamp	43.6	0.0	43.6

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	269.3	1.4	0.6
10°-20°	915.3	4.6	2.0
20°-30°	1772.5	9.0	3.9
30°-40°	2679.9	13.6	5.9
40°-50°	3382.4	17.1	7.5
50°-60°	3901.6	19.8	8.6
60°-70°	3889.3	19.7	8.6
70°-80°	2536.3	12.9	5.6
80°-90°	387.3	2.0	0.9
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°	19733.7	100.0	43.6
0°-180°	19733.7	100.0	43.6

**Coefficient of Utilization**



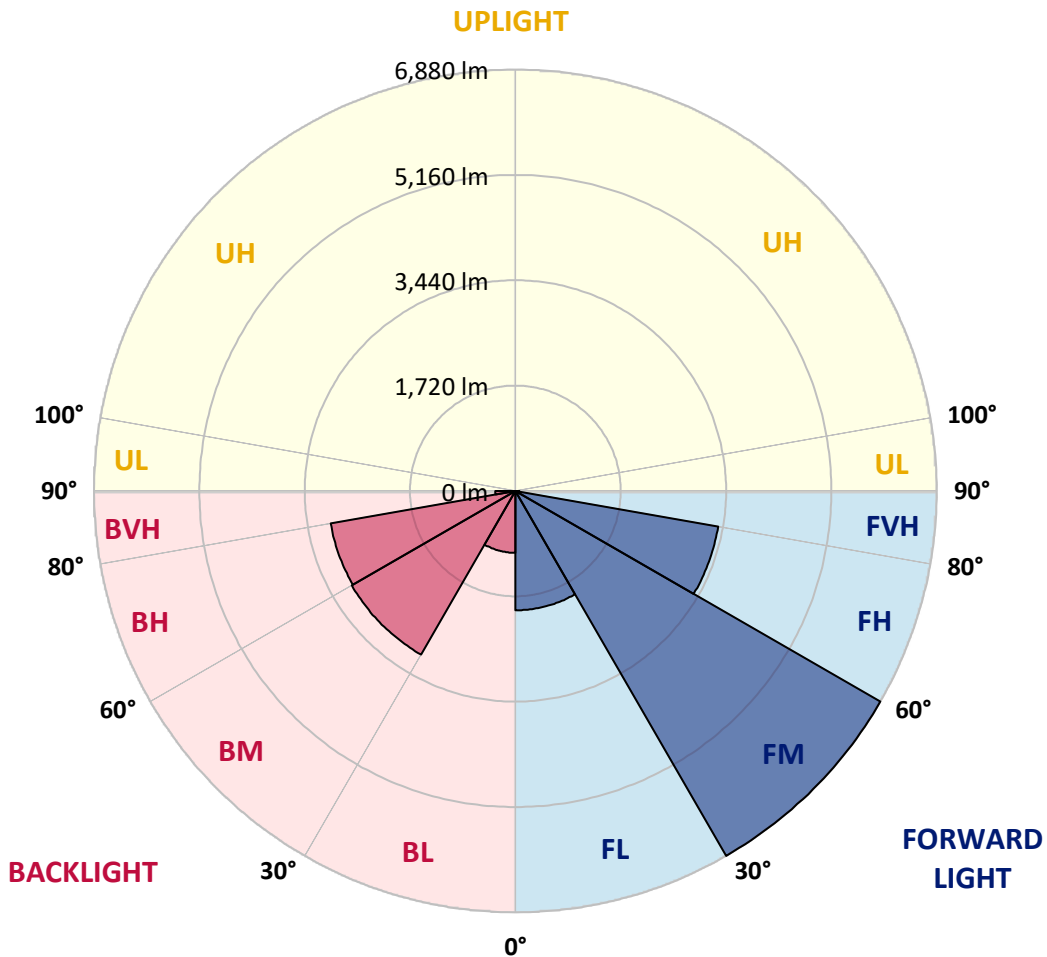
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1947.4	4.3			
FM (30°-60°)	6880.4	15.2			
FH (60°-80°)	3363.3	7.4			G2/5000
FVH (80°-90°)	59.6	0.1			G1/100
BL (0°-30°)	1009.6	2.2	B3/2500		
BM (30°-60°)	3083.4	6.8	B3/5000		
BH (60°-80°)	3062.3	6.8	B4/5000		G4/5000
BVH (80°-90°)	327.7	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	25558.3	56.4			

**BUG Rating: B4-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4
1°	2785.1	2784.2	2777.8	2768.5	2755.4	2739.8	2709.1	2691.8	2677.1	2664.7	2656.0
2°	2862.9	2859.0	2844.4	2820.6	2791.2	2758.1	2709.6	2675.4	2645.6	2620.9	2603.5
3°	2949.3	2940.7	2915.8	2877.8	2830.8	2779.1	2712.1	2661.7	2617.3	2581.3	2555.4
4°	3046.0	3031.9	2996.3	2942.7	2875.4	2803.8	2717.7	2650.5	2592.8	2545.6	2513.0
5°	3150.5	3133.0	3084.1	3011.1	2925.3	2832.3	2726.6	2642.6	2570.4	2513.9	2473.8
6°	3266.7	3244.1	3181.7	3088.7	2978.8	2862.2	2736.4	2636.0	2551.0	2484.9	2435.2
7°	3391.0	3365.4	3288.0	3172.2	3035.9	2894.7	2747.4	2630.8	2533.2	2455.6	2397.9
8°	3525.2	3491.5	3400.6	3262.5	3097.8	2929.9	2761.1	2627.4	2516.9	2427.9	2364.3
9°	3669.9	3630.6	3523.5	3358.6	3163.7	2968.5	2777.1	2625.1	2500.4	2402.5	2332.6
10°	3825.1	3778.6	3651.5	3462.5	3235.0	3009.9	2794.8	2624.4	2485.6	2379.9	2303.6
11°	3993.4	3938.8	3791.5	3572.6	3309.9	3054.2	2813.6	2624.9	2471.1	2358.2	2276.9
12°	4168.2	4106.2	3939.0	3687.5	3390.4	3101.4	2834.8	2627.3	2459.2	2338.3	2253.5
13°	4359.2	4289.4	4093.7	3809.3	3475.7	3151.3	2858.9	2631.0	2448.7	2319.7	2231.8
14°	4560.5	4480.3	4258.6	3938.1	3565.9	3204.6	2886.3	2636.4	2439.0	2303.0	2212.5
15°	4766.6	4676.4	4427.6	4070.9	3658.0	3259.5	2914.8	2643.9	2431.8	2288.0	2195.9
16°	4976.6	4875.1	4601.0	4209.2	3755.5	3317.8	2945.3	2653.1	2426.1	2274.6	2179.8
17°	5187.1	5074.6	4775.8	4347.8	3856.5	3380.7	2977.3	2663.2	2421.3	2263.0	2166.2
18°	5393.6	5273.8	4951.8	4489.1	3960.2	3445.2	3011.4	2675.6	2418.0	2253.5	2154.0
19°	5595.3	5466.8	5123.4	4629.8	4062.5	3511.0	3046.8	2689.6	2417.8	2245.0	2143.7
20°	5787.9	5655.0	5290.8	4767.5	4166.8	3578.0	3083.5	2704.9	2418.6	2239.0	2135.1
21°	5971.8	5835.8	5453.3	4904.7	4271.4	3647.3	3120.6	2720.9	2420.6	2234.2	2126.8
22°	6139.1	6003.1	5605.8	5037.6	4374.9	3716.3	3158.3	2737.9	2424.7	2230.4	2119.5
23°	6302.5	6167.0	5754.8	5167.5	4481.2	3788.1	3195.5	2754.6	2429.1	2228.1	2114.3
24°	6453.7	6319.5	5899.9	5292.1	4581.9	3857.1	3232.8	2771.0	2434.4	2226.5	2109.2
25°	6598.3	6468.0	6040.2	5414.9	4680.8	3927.0	3270.2	2786.3	2440.7	2226.2	2104.8
26°	6722.9	6599.2	6176.5	5534.3	4779.2	3999.9	3307.8	2802.6	2447.9	2225.8	2100.3
27°	6832.3	6715.9	6306.8	5648.9	4879.0	4073.1	3346.0	2818.8	2454.8	2225.8	2096.3
28°	6930.7	6819.2	6425.8	5764.8	4974.0	4145.1	3385.9	2834.3	2461.5	2226.4	2092.9
29°	7034.4	6918.5	6537.3	5877.2	5067.2	4221.2	3427.5	2851.0	2468.2	2226.5	2090.9
30°	7159.5	7037.1	6651.5	5990.9	5160.0	4299.3	3471.0	2868.7	2476.0	2227.0	2090.0
31°	7261.9	7146.9	6772.2	6107.3	5256.8	4375.8	3516.1	2886.9	2484.5	2228.6	2089.4
32°	7336.4	7231.4	6885.4	6221.9	5359.2	4451.6	3563.0	2906.9	2493.8	2231.5	2089.2
33°	7361.2	7277.6	6980.0	6332.1	5468.5	4527.4	3611.1	2925.9	2502.6	2234.3	2088.6
34°	7336.8	7268.9	7038.4	6434.5	5575.3	4613.7	3660.8	2948.9	2511.3	2238.1	2088.6
35°	7268.0	7211.8	7044.9	6511.6	5664.2	4704.3	3712.1	2973.3	2521.4	2243.1	2090.5
36°	7178.7	7136.8	7008.3	6556.0	5743.0	4794.1	3764.5	2999.1	2533.7	2249.5	2095.7
37°	7100.2	7049.7	6949.9	6562.1	5800.5	4867.7	3818.2	3022.4	2546.8	2258.6	2104.7
38°	7056.2	6990.9	6889.4	6539.1	5839.3	4931.3	3873.1	3045.6	2560.7	2270.9	2117.6
39°	7030.5	6959.5	6842.7	6510.3	5853.7	4981.4	3928.7	3070.5	2575.8	2286.4	2132.0
40°	7010.5	6938.6	6817.5	6490.7	5848.9	5014.5	3976.1	3097.1	2592.4	2304.4	2148.2
41°	6987.8	6921.6	6803.1	6479.4	5847.6	5031.9	4013.5	3127.7	2611.4	2324.5	2164.3
42°	6959.5	6902.9	6792.6	6478.9	5855.4	5047.2	4040.9	3153.9	2631.6	2345.4	2179.3
43°	6924.2	6881.5	6780.4	6487.2	5868.1	5066.8	4060.5	3174.7	2655.0	2368.1	2192.5
44°	6881.5	6855.4	6765.6	6496.8	5884.2	5096.4	4079.2	3193.7	2678.9	2390.6	2204.7

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CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6829.2	6821.8	6746.9	6503.3	5906.4	5128.7	4101.4	3215.0	2702.9	2413.5	2215.3
46°	6771.3	6781.7	6723.4	6505.9	5930.8	5160.9	4127.4	3237.6	2726.9	2435.7	2224.5
47°	6710.7	6737.3	6694.2	6504.2	5957.8	5194.0	4154.0	3263.6	2750.2	2456.5	2233.2
48°	6648.8	6691.1	6661.5	6496.8	5981.8	5225.8	4180.7	3291.8	2774.9	2476.6	2242.0
49°	6586.1	6640.1	6620.5	6485.0	6003.1	5257.2	4206.2	3322.2	2800.6	2495.7	2253.2
50°	6519.0	6587.0	6576.1	6468.0	6019.7	5286.4	4230.9	3355.9	2826.1	2512.9	2265.4
51°	6444.9	6526.9	6526.0	6447.1	6034.5	5312.5	4252.6	3389.8	2851.4	2531.1	2280.0
52°	6360.8	6456.7	6469.8	6421.0	6046.7	5336.1	4271.8	3422.3	2876.2	2549.9	2296.7
53°	6267.2	6377.4	6411.4	6392.2	6052.8	5355.2	4288.9	3455.0	2904.8	2570.6	2317.4
54°	6156.9	6282.0	6347.8	6356.5	6054.1	5370.9	4303.9	3486.0	2936.4	2593.4	2340.0
55°	6036.2	6169.1	6276.8	6313.4	6051.5	5382.7	4317.2	3516.0	2968.1	2619.8	2365.3
56°	5895.1	6040.2	6194.4	6263.2	6042.3	5390.1	4329.5	3546.3	3001.3	2649.0	2391.1
57°	5736.0	5894.2	6099.0	6205.7	6026.7	5393.1	4338.3	3575.4	3037.9	2681.8	2419.1
58°	5555.2	5727.8	5988.8	6139.5	6001.4	5391.0	4342.9	3602.1	3076.5	2717.7	2451.4
59°	5363.1	5544.3	5866.3	6066.7	5968.3	5382.7	4343.9	3624.4	3116.5	2756.2	2485.5
60°	5132.6	5341.3	5729.1	5984.0	5925.6	5366.6	4340.4	3646.4	3156.5	2797.4	2522.9
61°	4849.8	5108.6	5574.8	5888.1	5871.6	5339.6	4330.0	3665.4	3200.2	2842.8	2563.8
62°	4514.8	4828.5	5402.3	5777.0	5810.1	5301.2	4312.2	3679.7	3245.2	2892.2	2608.4
63°	4135.5	4515.2	5202.7	5652.0	5738.2	5257.6	4293.5	3689.4	3290.1	2945.5	2654.5
64°	3751.2	4176.1	4983.2	5511.7	5654.1	5203.6	4267.5	3693.4	3331.7	3004.2	2705.0
65°	3391.6	3837.1	4733.9	5353.5	5560.9	5138.3	4231.5	3691.6	3371.9	3067.6	2764.5
66°	3085.7	3513.4	4471.6	5174.0	5453.3	5064.6	4180.8	3684.5	3405.5	3133.9	2836.9
67°	2846.5	3215.5	4206.6	4971.8	5324.3	4969.2	4110.2	3661.6	3439.3	3204.6	2919.6
68°	2655.6	2956.3	3935.5	4747.4	5178.8	4845.9	4007.7	3620.3	3468.3	3280.5	3013.1
69°	2461.9	2735.1	3665.8	4502.1	5005.4	4695.6	3856.2	3543.3	3493.0	3360.8	3119.3
70°	2158.6	2511.5	3397.5	4242.9	4801.9	4509.1	3630.2	3409.0	3507.5	3445.5	3235.7
71°	1684.5	2219.0	3138.7	3980.2	4573.6	4268.6	3322.9	3212.1	3499.2	3535.7	3360.6
72°	1118.8	1811.3	2875.0	3719.3	4316.7	3986.3	2985.0	2973.1	3460.3	3625.8	3477.4
73°	627.5	1313.2	2590.6	3458.1	4039.2	3646.9	2650.2	2736.4	3382.7	3719.3	3602.0
74°	476.2	821.6	2270.3	3188.2	3723.7	3263.7	2332.8	2544.3	3276.5	3801.3	3729.5
75°	328.1	461.3	1914.4	2887.6	3384.5	2832.3	1969.9	2370.1	3155.2	3851.6	3829.7
76°	180.0	359.9	1514.0	2553.0	3002.2	2380.1	1457.2	2101.4	3060.6	3850.2	3890.0
77°	151.7	264.6	1130.6	2125.4	2569.8	1854.0	944.4	1659.0	2984.0	3784.9	3870.3
78°	132.2	169.3	831.0	1606.7	2085.9	1270.0	436.8	1183.1	2887.2	3633.9	3703.9
79°	118.4	143.0	599.2	1031.2	1573.3	726.4	192.2	707.1	2637.8	3362.4	3305.3
80°	106.4	124.2	422.0	552.8	1089.2	369.8	134.9	238.7	2122.8	2917.9	2855.9
81°	95.0	108.0	298.8	421.7	626.3	254.7	116.6	155.2	1507.8	2366.4	2479.7
82°	84.2	94.2	177.1	298.1	453.4	144.8	102.6	126.1	892.8	1805.2	2221.0
83°	73.0	82.6	142.9	174.6	286.7	117.9	88.5	104.1	291.1	1366.2	2079.0
84°	61.9	70.0	117.6	149.6	120.1	98.7	74.5	82.3	193.4	1048.7	1575.0
85°	50.5	57.9	88.1	128.2	92.9	80.4	61.3	65.2	158.0	731.1	1070.9
86°	38.9	46.1	61.9	106.8	72.0	61.2	48.1	50.4	127.5	413.9	567.3
87°	27.3	34.7	46.1	82.3	53.4	44.0	34.6	37.4	97.0	285.8	306.5
88°	15.7	23.4	32.1	54.3	37.1	30.7	22.1	25.9	66.7	157.7	229.9
89°	7.3	12.1	18.1	28.9	20.8	17.4	15.4	18.0	45.1	31.4	153.2



REPORT NUMBER: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4	2715.4
1°	2651.7	2651.8	2656.4	2665.3	2677.9	2693.7	2710.2	2714.7	2731.3	2748.1	2762.3
2°	2593.7	2592.2	2599.4	2615.1	2638.3	2667.1	2699.7	2720.5	2754.9	2789.0	2818.0
3°	2541.3	2538.5	2547.6	2568.2	2600.8	2642.1	2690.5	2728.6	2781.2	2833.6	2879.1
4°	2494.4	2490.0	2501.0	2526.5	2566.7	2619.5	2682.0	2737.4	2808.9	2881.7	2947.1
5°	2449.1	2443.8	2456.9	2486.9	2534.9	2597.2	2674.9	2747.9	2838.4	2933.2	3018.8
6°	2405.8	2398.2	2412.9	2448.5	2504.4	2577.7	2669.7	2760.8	2870.3	2987.0	3096.3
7°	2363.9	2355.2	2371.7	2411.2	2474.2	2559.6	2664.9	2774.2	2905.4	3045.5	3179.7
8°	2326.0	2315.5	2333.2	2378.0	2445.7	2541.2	2661.2	2788.6	2941.6	3108.3	3267.7
9°	2289.5	2277.6	2296.9	2344.9	2419.8	2523.3	2658.7	2804.6	2980.1	3174.4	3363.6
10°	2256.3	2243.5	2263.3	2314.1	2395.5	2507.3	2658.3	2822.9	3022.5	3244.5	3465.3
11°	2226.4	2212.1	2233.0	2286.4	2373.0	2493.9	2659.8	2844.5	3069.1	3320.3	3573.7
12°	2200.9	2184.0	2204.7	2261.0	2352.1	2482.8	2663.6	2868.3	3118.5	3400.5	3688.9
13°	2177.5	2158.3	2180.7	2237.5	2332.8	2473.4	2669.0	2893.1	3169.9	3487.3	3811.5
14°	2155.3	2135.3	2158.1	2217.9	2315.6	2465.5	2675.4	2919.3	3223.6	3577.3	3941.5
15°	2136.5	2114.9	2137.4	2199.6	2301.1	2459.2	2683.1	2948.2	3279.2	3671.3	4074.8
16°	2118.9	2096.3	2119.5	2182.9	2289.2	2454.0	2692.8	2979.9	3338.2	3769.2	4215.0
17°	2102.8	2079.8	2103.7	2169.4	2279.8	2451.6	2705.2	3012.3	3401.0	3872.2	4357.5
18°	2088.7	2064.3	2089.9	2157.1	2271.2	2451.1	2719.0	3047.1	3464.9	3975.7	4503.9
19°	2075.4	2048.3	2077.0	2148.0	2264.3	2452.8	2734.9	3083.8	3531.2	4081.5	4647.7
20°	2061.7	2032.1	2065.0	2140.5	2259.3	2456.7	2751.9	3121.1	3598.4	4189.7	4789.3
21°	2047.6	2017.7	2053.3	2135.0	2256.5	2462.9	2771.0	3159.5	3668.8	4298.7	4928.7
22°	2034.9	2004.0	2043.3	2130.5	2254.8	2469.5	2790.5	3197.5	3739.3	4407.6	5060.7
23°	2024.1	1992.7	2034.2	2126.9	2254.6	2477.1	2809.5	3236.2	3813.4	4515.6	5193.2
24°	2014.6	1983.9	2026.4	2123.8	2254.9	2486.0	2828.0	3274.2	3886.3	4622.4	5317.8
25°	2007.6	1977.4	2020.4	2122.3	2255.1	2494.8	2846.9	3313.8	3959.1	4726.1	5439.8
26°	2003.0	1973.1	2017.4	2120.8	2255.8	2503.7	2866.2	3352.7	4032.7	4825.9	5560.0
27°	2000.4	1971.0	2016.4	2119.1	2256.3	2512.3	2884.5	3393.7	4107.9	4928.3	5682.5
28°	1999.8	1971.4	2017.1	2117.2	2257.3	2521.0	2903.5	3436.3	4185.3	5027.6	5807.1
29°	2000.4	1973.6	2018.9	2116.2	2259.0	2528.6	2923.1	3481.3	4267.1	5127.4	5926.5
30°	2001.9	1976.9	2021.1	2115.2	2261.0	2536.4	2944.2	3528.3	4347.8	5231.9	6044.5
31°	2004.4	1981.8	2023.1	2114.3	2264.0	2544.1	2966.6	3578.2	4435.5	5341.7	6168.3
32°	2007.7	1988.3	2025.8	2113.3	2266.9	2551.6	2989.4	3630.2	4523.5	5449.4	6277.2
33°	2011.1	1995.8	2029.2	2113.2	2270.8	2560.0	3012.7	3685.4	4615.4	5551.3	6378.7
34°	2015.2	2003.0	2032.9	2114.1	2275.1	2568.2	3037.8	3742.1	4703.9	5643.7	6461.9
35°	2019.6	2012.0	2037.1	2116.7	2281.0	2578.9	3065.6	3798.5	4784.0	5726.5	6516.4
36°	2025.2	2022.1	2042.2	2122.7	2288.3	2590.2	3092.5	3849.9	4860.7	5787.9	6533.4
37°	2031.5	2032.0	2047.9	2133.6	2298.6	2602.8	3116.0	3901.2	4925.2	5820.6	6526.4
38°	2037.2	2043.0	2053.2	2147.4	2313.4	2616.3	3138.7	3951.4	4969.6	5830.2	6500.7
39°	2042.5	2055.0	2057.4	2163.9	2331.1	2630.7	3157.4	3991.1	4998.8	5830.2	6472.4
40°	2048.5	2067.8	2061.8	2180.9	2350.7	2645.6	3178.1	4021.9	5014.1	5829.3	6457.6
41°	2054.2	2077.2	2067.0	2195.7	2371.8	2662.5	3196.2	4048.3	5025.8	5835.8	6458.4
42°	2059.4	2087.9	2072.9	2210.5	2394.0	2680.8	3216.1	4072.1	5045.0	5848.0	6468.9
43°	2064.5	2098.7	2080.0	2223.3	2416.0	2700.8	3238.7	4096.9	5076.0	5865.5	6482.8
44°	2069.2	2109.5	2086.9	2236.3	2437.4	2723.5	3263.0	4122.9	5109.5	5889.4	6494.6

REPORT NUMBER: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2074.4	2119.2	2093.8	2247.9	2459.0	2749.0	3286.9	4148.6	5142.2	5918.6	6502.5
46°	2079.7	2127.8	2100.7	2258.0	2478.6	2776.2	3311.0	4174.3	5172.2	5949.1	6503.8
47°	2087.2	2135.7	2109.0	2267.4	2497.7	2805.5	3338.5	4201.2	5201.4	5978.3	6499.8
48°	2097.6	2140.2	2119.9	2277.2	2514.9	2835.2	3370.6	4224.9	5231.9	6003.1	6490.7
49°	2109.3	2143.9	2132.8	2287.9	2532.0	2863.5	3403.2	4246.3	5262.0	6024.0	6477.6
50°	2121.6	2147.8	2147.4	2301.1	2548.9	2890.6	3436.4	4265.2	5289.9	6038.4	6459.8
51°	2135.5	2151.6	2163.4	2316.3	2566.5	2916.6	3469.9	4281.4	5313.4	6047.1	6438.8
52°	2151.7	2154.4	2180.4	2334.2	2586.3	2943.5	3503.2	4296.9	5332.1	6052.4	6413.1
53°	2170.3	2157.5	2199.0	2354.5	2608.0	2971.7	3535.7	4310.9	5346.1	6054.1	6382.2
54°	2191.0	2163.8	2219.1	2378.3	2633.0	3002.5	3565.9	4322.3	5354.4	6050.6	6346.0
55°	2214.2	2173.6	2241.5	2403.9	2661.1	3035.6	3592.7	4330.8	5357.9	6040.6	6304.6
56°	2240.0	2187.8	2267.1	2431.4	2692.6	3072.3	3619.3	4338.2	5355.2	6023.2	6253.2
57°	2268.5	2205.6	2294.8	2461.9	2728.4	3111.4	3642.4	4342.4	5347.4	6000.1	6190.1
58°	2298.9	2229.2	2325.9	2495.3	2768.4	3151.7	3663.1	4344.3	5334.8	5965.7	6114.7
59°	2334.2	2258.0	2358.9	2532.4	2811.7	3191.7	3682.4	4338.3	5315.2	5923.8	6031.9
60°	2369.8	2292.7	2393.9	2571.8	2858.1	3232.5	3697.9	4326.9	5285.5	5875.5	5941.7
61°	2406.6	2334.9	2432.7	2616.9	2909.0	3271.8	3708.3	4315.4	5250.2	5818.8	5843.2
62°	2446.7	2384.7	2477.7	2663.9	2963.5	3311.6	3713.4	4300.7	5208.4	5750.4	5733.4
63°	2498.0	2442.3	2532.9	2709.2	3021.0	3350.4	3716.3	4278.4	5155.3	5669.4	5606.6
64°	2558.2	2510.7	2595.7	2761.2	3084.7	3387.1	3711.8	4246.8	5092.1	5578.3	5455.0
65°	2626.7	2591.4	2666.0	2825.2	3150.9	3422.6	3699.1	4195.5	5014.1	5470.3	5282.0
66°	2705.6	2682.7	2745.8	2902.0	3220.0	3457.7	3676.8	4121.2	4911.3	5345.7	5089.5
67°	2797.7	2781.2	2837.5	2986.1	3291.4	3483.9	3634.3	4019.5	4781.4	5208.0	4883.4
68°	2896.0	2879.1	2937.2	3081.1	3367.3	3498.0	3565.6	3865.8	4625.9	5043.7	4659.4
69°	2992.7	2949.6	3028.7	3187.8	3446.3	3501.3	3448.7	3639.5	4444.6	4851.1	4418.5
70°	3079.8	3012.9	3110.4	3305.1	3529.4	3485.2	3254.2	3335.0	4213.5	4631.5	4156.6
71°	3160.7	3070.7	3187.9	3425.5	3614.4	3444.8	3001.4	2988.2	3922.2	4381.9	3884.0
72°	3233.4	3092.0	3254.1	3543.9	3699.9	3377.9	2759.7	2655.1	3591.0	4110.7	3610.0
73°	3263.4	3006.9	3278.3	3666.1	3773.0	3276.1	2574.7	2339.4	3201.8	3796.4	3327.3
74°	3197.2	2773.5	3188.7	3778.3	3807.3	3160.5	2412.7	1996.0	2787.2	3441.4	3033.9
75°	2995.9	2294.1	2949.8	3864.0	3801.3	3067.6	2149.0	1499.2	2329.8	3052.5	2711.6
76°	2633.2	1731.8	2574.9	3898.7	3736.3	3015.5	1687.2	918.5	1825.9	2635.3	2344.1
77°	2132.5	1353.7	2098.0	3852.8	3606.7	2937.9	1197.1	426.6	1263.8	2168.1	1878.5
78°	1784.2	1431.2	1821.4	3625.5	3397.1	2689.2	706.9	319.8	720.1	1668.5	1282.1
79°	1864.0	1830.5	1976.3	3191.1	3069.0	2198.0	218.0	220.8	360.5	1191.4	734.6
80°	2276.0	2109.8	2358.3	2704.6	2621.5	1552.2	154.7	121.7	250.0	728.6	361.4
81°	2424.0	1904.9	2366.7	2270.5	2077.0	906.4	125.6	104.5	145.7	370.0	273.8
82°	1913.7	1385.8	1747.6	2089.0	1559.3	270.4	106.7	90.7	119.1	244.6	188.6
83°	1384.1	866.7	1162.4	1871.2	1186.9	192.6	87.7	77.4	101.1	126.3	162.2
84°	854.5	353.0	585.4	1383.4	814.6	161.0	68.9	64.0	83.9	99.2	140.5
85°	333.9	282.6	318.3	895.8	446.6	131.7	54.2	50.2	65.6	76.3	119.4
86°	234.9	212.2	220.8	415.4	310.9	102.2	41.1	37.7	48.3	57.6	96.9
87°	135.9	141.8	123.4	332.7	175.3	72.8	29.4	25.3	34.5	41.1	70.4
88°	39.5	71.4	26.8	250.0	41.8	55.2	20.4	12.8	20.8	33.2	38.7
89°	20.6	1.2	14.2	167.3	22.0	37.6	11.4	4.1	7.1	25.3	29.4



REPORT NUMBER: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	2715.4	2715.4	2715.4
1°	2773.7	2782.1	2785.1
2°	2841.8	2857.3	2862.9
3°	2916.8	2941.7	2949.3
4°	2999.0	3034.5	3046.0
5°	3090.1	3136.1	3150.5
6°	3188.0	3248.4	3266.7
7°	3292.8	3367.0	3391.0
8°	3405.5	3494.0	3525.2
9°	3524.8	3633.6	3669.9
10°	3653.6	3782.2	3825.1
11°	3793.7	3942.7	3993.4
12°	3939.6	4109.0	4168.2
13°	4096.2	4291.3	4359.2
14°	4259.1	4479.9	4560.5
15°	4428.5	4673.4	4766.6
16°	4603.7	4877.3	4976.6
17°	4784.0	5082.1	5187.1
18°	4964.0	5282.9	5393.6
19°	5138.7	5475.9	5595.3
20°	5306.9	5662.4	5787.9
21°	5468.5	5838.4	5971.8
22°	5621.5	6002.3	6139.1
23°	5769.2	6166.1	6302.5
24°	5911.2	6322.5	6453.7
25°	6052.8	6474.1	6598.3
26°	6194.4	6607.0	6722.9
27°	6330.3	6725.1	6832.3
28°	6452.8	6828.8	6930.7
29°	6569.5	6932.1	7034.4
30°	6683.7	7049.3	7159.5
31°	6800.0	7156.4	7261.9
32°	6906.3	7233.6	7336.4
33°	6981.3	7268.4	7361.2
34°	7017.9	7256.2	7336.8
35°	7011.8	7198.3	7268.0
36°	6976.1	7117.2	7178.7
37°	6914.2	7034.9	7100.2
38°	6859.3	6981.7	7056.2
39°	6826.2	6952.1	7030.5
40°	6807.4	6934.7	7010.5
41°	6797.0	6919.9	6987.8
42°	6786.1	6904.2	6959.5
43°	6773.9	6883.7	6924.2
44°	6760.4	6858.4	6881.5

REPORT NUMBER: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	6742.5	6823.6	6829.2
46°	6721.2	6781.3	6771.3
47°	6695.5	6733.8	6710.7
48°	6663.2	6682.8	6648.8
49°	6624.0	6632.3	6586.1
50°	6578.7	6579.1	6519.0
51°	6525.5	6523.4	6444.9
52°	6465.4	6454.5	6360.8
53°	6404.4	6372.6	6267.2
54°	6339.9	6274.6	6156.9
55°	6268.5	6159.6	6036.2
56°	6185.7	6031.9	5895.1
57°	6087.7	5886.8	5736.0
58°	5973.9	5716.9	5555.2
59°	5846.7	5530.8	5363.1
60°	5702.1	5327.4	5132.6
61°	5536.5	5094.3	4849.8
62°	5356.1	4819.8	4514.8
63°	5162.7	4506.1	4135.5
64°	4943.9	4157.7	3751.2
65°	4703.0	3822.3	3391.6
66°	4437.6	3506.9	3085.7
67°	4168.6	3216.1	2846.5
68°	3894.7	2961.5	2655.6
69°	3633.1	2729.3	2461.9
70°	3381.1	2502.1	2158.6
71°	3120.0	2215.7	1684.5
72°	2830.3	1806.7	1118.8
73°	2537.7	1310.2	627.5
74°	2225.4	841.8	476.2
75°	1834.4	489.3	328.1
76°	1422.4	382.9	180.0
77°	1078.3	278.0	151.7
78°	795.0	173.1	132.2
79°	572.1	143.8	118.4
80°	436.5	124.0	106.4
81°	301.5	107.5	95.0
82°	166.4	94.1	84.2
83°	136.5	83.7	73.0
84°	109.7	70.7	61.9
85°	78.6	56.8	50.5
86°	57.6	44.7	38.9
87°	41.6	33.2	27.3
88°	27.0	21.7	15.7
89°	12.4	10.2	7.3



REPORT NUMBER: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**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: P1436771  
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)