

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: P1436773

Luminaire Tested: XAS300-SFPM (3000K-120W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436773  
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-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 4  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

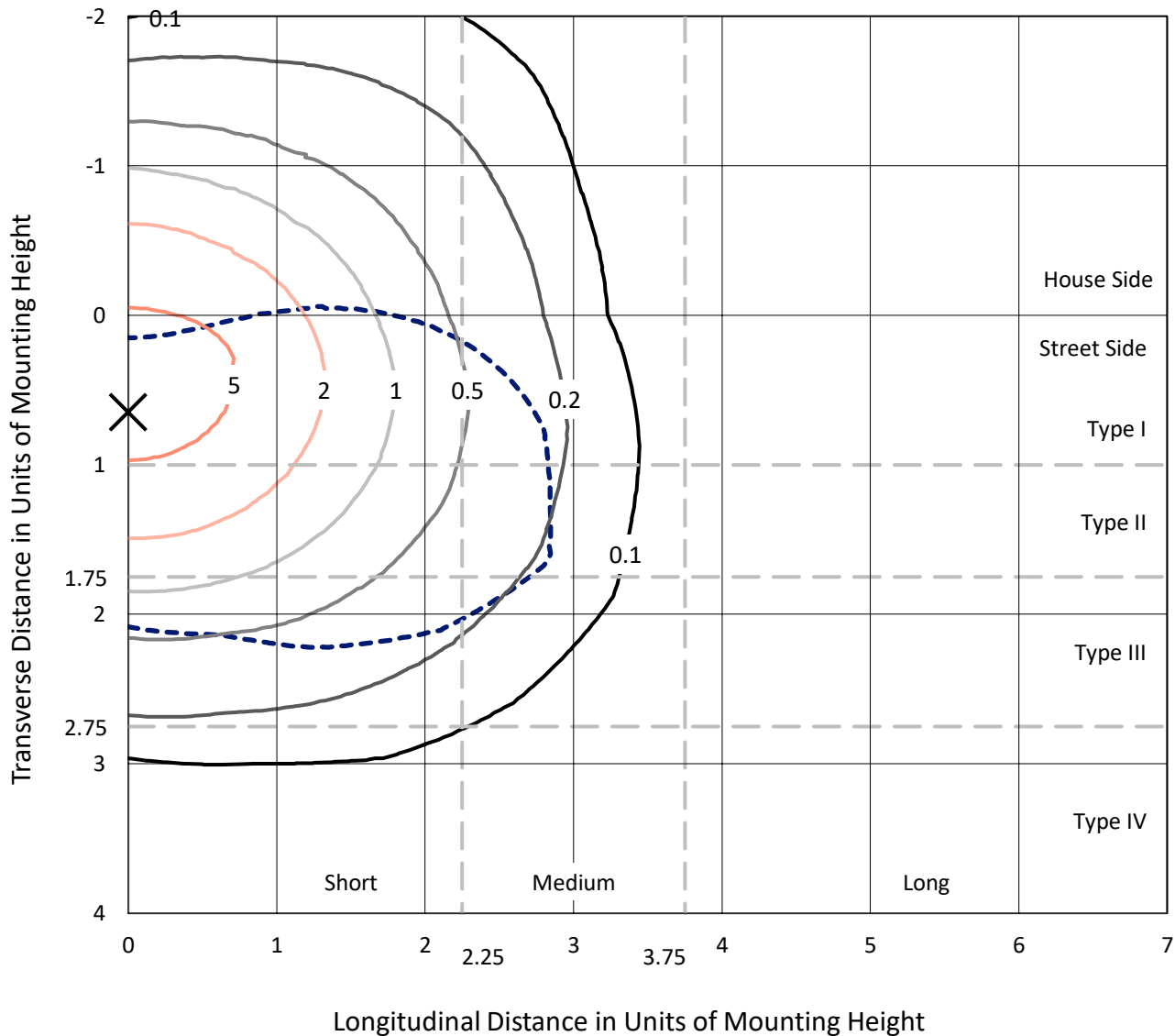
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 20286.8 lumens  
Efficiency: 52.9%  
Efficacy: 164.5 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 123.3  
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

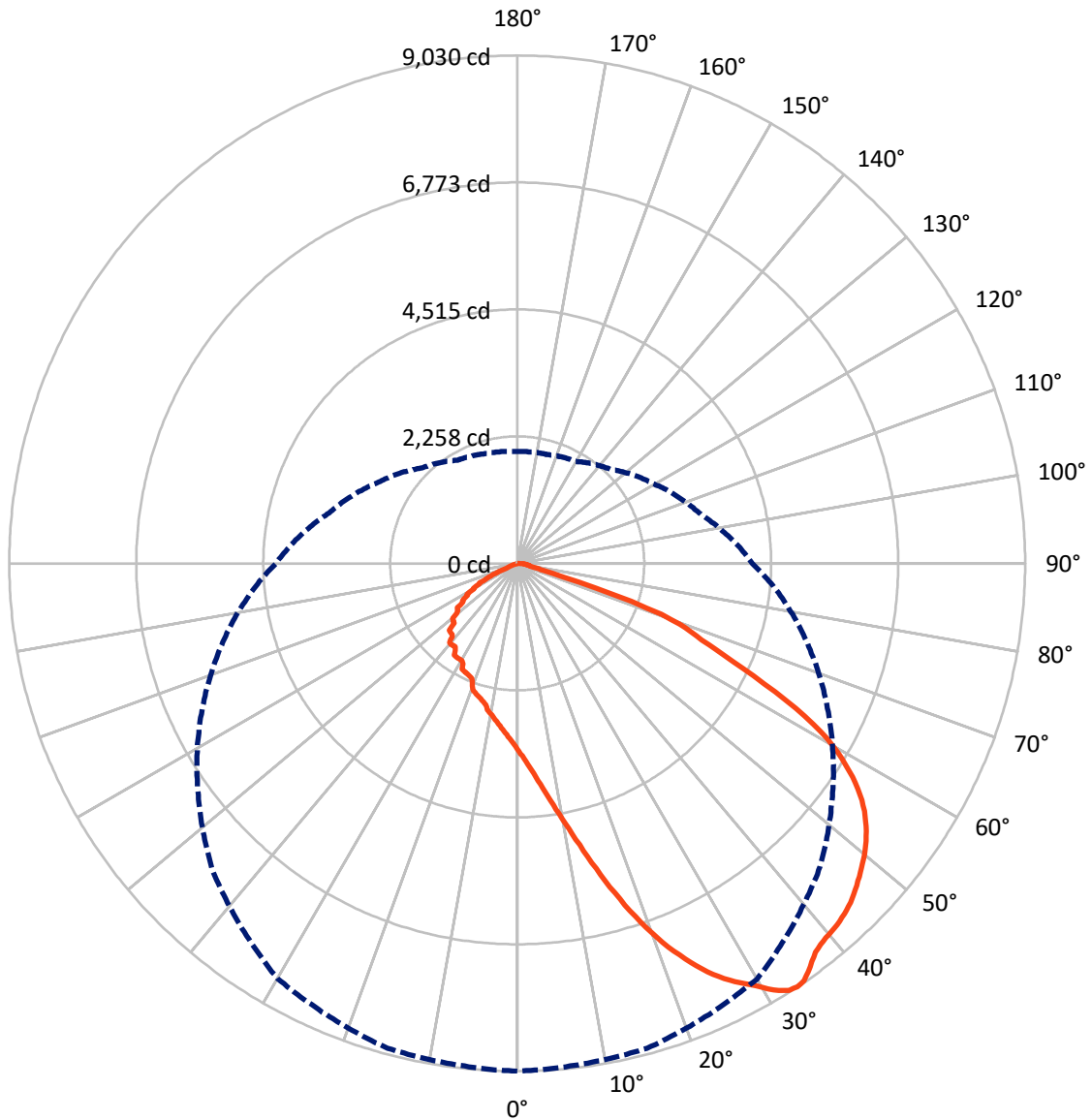
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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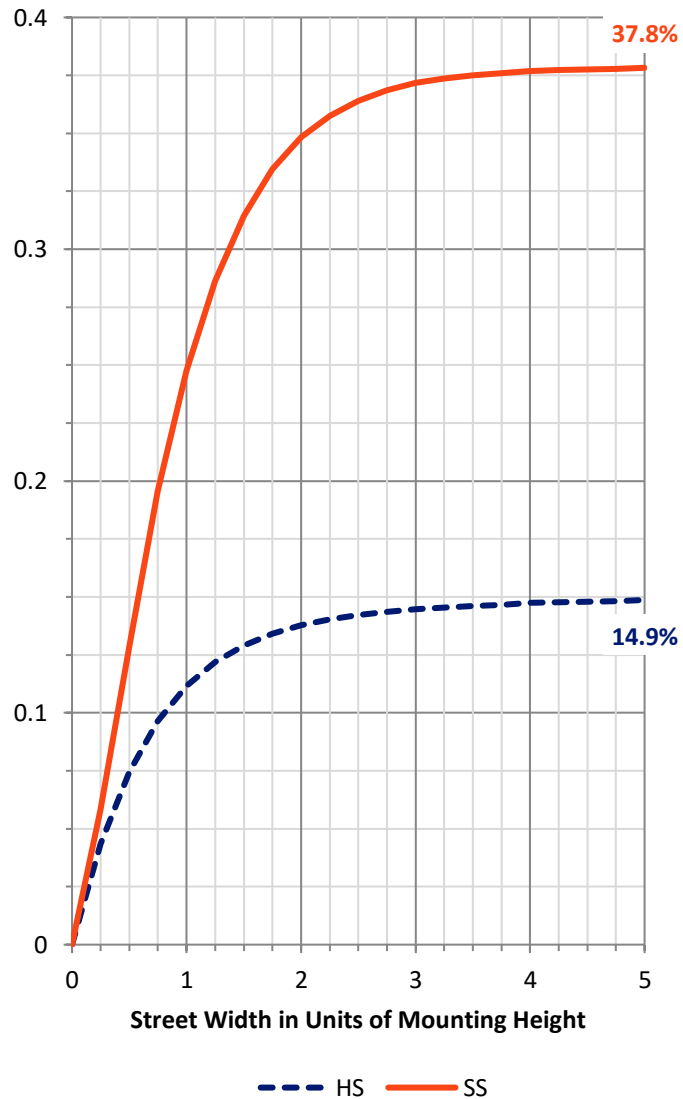
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5744.0	0.0	5744.0
	% Lamp	15.0	0.0	15.0
<b>Street Side</b>	Lumens	14542.8	0.0	14542.8
	% Lamp	37.9	0.0	37.9
<b>Total</b>	Lumens	20286.8	0.0	20286.8
	% Lamp	52.9	0.0	52.9

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	330.9	1.6	0.9
10°-20°	1114.4	5.5	2.9
20°-30°	2114.0	10.4	5.5
30°-40°	3114.6	15.4	8.1
40°-50°	3796.1	18.7	9.9
50°-60°	4152.4	20.5	10.8
60°-70°	3674.0	18.1	9.6
70°-80°	1820.0	9.0	4.7
80°-90°	170.3	0.8	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°	20286.8	100.0	52.9
0°-180°	20286.8	100.0	52.9

**Coefficient of Utilization**



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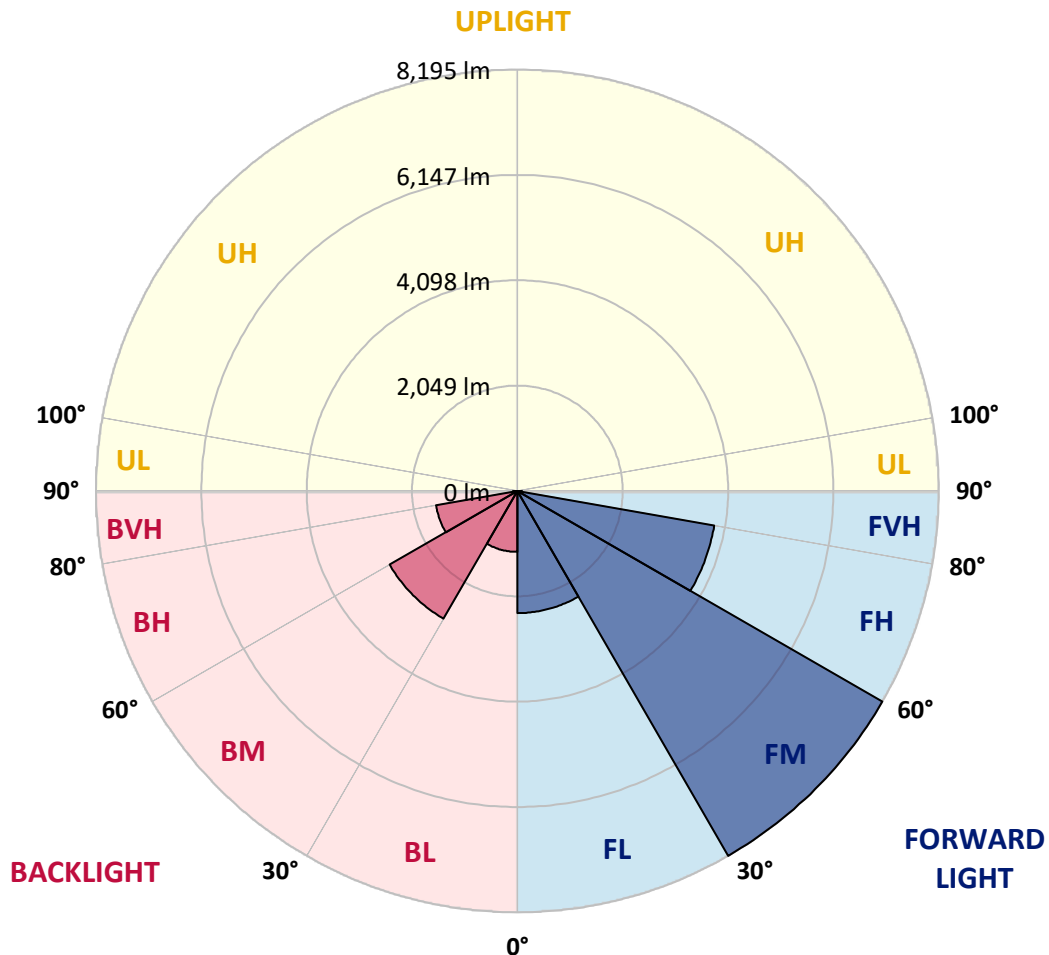
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

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

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2374.2	6.2			
FM (30°-60°)	8195.4	21.4			
FH (60°-80°)	3886.7	10.1			G2/5000
FVH (80°-90°)	86.4	0.2			G1/100
BL (0°-30°)	1185.0	3.1	B3/2500		
BM (30°-60°)	2867.7	7.5	B3/5000		
BH (60°-80°)	1607.4	4.2	B3/2500		G3/2500
BVH (80°-90°)	83.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	18089.2	47.1			

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3
1°	3425.5	3424.5	3416.5	3404.3	3387.6	3366.7	3334.5	3312.9	3292.7	3276.8	3265.0
2°	3523.2	3517.6	3498.4	3469.8	3432.6	3390.2	3334.7	3291.8	3253.2	3221.8	3198.6
3°	3628.9	3619.3	3587.9	3542.1	3482.0	3416.0	3338.0	3274.4	3218.3	3172.5	3138.7
4°	3748.0	3731.9	3687.8	3621.8	3538.0	3448.3	3345.6	3261.3	3186.4	3125.8	3083.6
5°	3878.2	3858.2	3797.0	3707.7	3601.0	3484.7	3357.5	3252.3	3158.4	3085.7	3032.5
6°	4020.9	3994.2	3917.8	3804.5	3668.1	3523.6	3369.9	3244.9	3134.1	3047.7	2982.7
7°	4174.1	4142.5	4048.0	3906.9	3740.0	3564.5	3384.6	3238.5	3111.7	3010.1	2937.1
8°	4339.1	4300.2	4187.5	4019.6	3817.1	3608.6	3401.3	3234.1	3090.8	2975.8	2895.7
9°	4516.8	4469.2	4338.3	4138.2	3900.1	3656.6	3420.9	3230.1	3069.8	2945.2	2856.4
10°	4705.8	4650.8	4495.9	4265.9	3987.1	3707.4	3440.8	3228.1	3048.8	2917.1	2819.3
11°	4909.3	4846.5	4669.1	4400.8	4080.1	3763.2	3463.4	3228.1	3030.3	2890.2	2784.9
12°	5127.3	5052.9	4851.0	4542.0	4177.5	3821.1	3479.7	3221.7	3014.8	2862.9	2754.1
13°	5361.3	5274.0	5039.4	4692.7	4283.2	3870.3	3495.3	3213.4	2992.2	2837.7	2724.8
14°	5602.9	5508.3	5239.0	4850.5	4392.8	3922.9	3517.4	3208.8	2971.3	2815.4	2682.0
15°	5855.1	5745.7	5446.5	5014.1	4495.1	3980.4	3541.5	3207.4	2951.3	2786.5	2624.3
16°	6112.5	5990.4	5657.9	5181.9	4604.0	4041.6	3573.6	3214.2	2935.3	2760.0	2597.5
17°	6371.0	6234.1	5874.1	5352.4	4714.7	4109.0	3601.5	3215.8	2924.5	2721.5	2576.9
18°	6621.6	6476.7	6086.1	5523.1	4824.4	4180.4	3633.3	3221.5	2910.8	2677.9	2558.2
19°	6868.5	6713.6	6297.0	5685.9	4942.4	4248.1	3670.5	3235.9	2903.0	2654.9	2542.5
20°	7105.3	6940.4	6501.1	5841.3	5057.4	4321.2	3711.4	3251.3	2900.6	2636.6	2525.7
21°	7329.4	7159.7	6695.6	6001.5	5179.1	4397.2	3753.2	3263.6	2900.4	2621.4	2506.3
22°	7535.1	7365.9	6882.2	6148.5	5291.6	4479.9	3787.8	3262.7	2892.7	2612.2	2484.6
23°	7734.9	7566.2	7066.2	6291.2	5410.0	4564.1	3807.8	3266.3	2876.8	2606.1	2465.8
24°	7919.9	7756.6	7242.7	6430.8	5525.7	4640.4	3834.3	3281.1	2858.6	2593.7	2372.3
25°	8097.5	7934.7	7413.5	6573.0	5637.8	4710.3	3872.5	3288.1	2846.6	2582.8	2301.3
26°	8248.2	8095.9	7580.5	6706.2	5753.6	4770.8	3912.1	3292.8	2833.9	2573.1	2285.7
27°	8380.3	8237.6	7739.1	6836.7	5868.8	4839.3	3937.4	3307.1	2835.7	2560.5	2274.9
28°	8501.4	8364.5	7886.1	6962.6	5983.0	4919.1	3974.4	3322.7	2838.4	2540.4	2263.5
29°	8629.8	8490.3	8016.1	7083.6	6087.1	5007.3	4018.8	3336.8	2836.1	2455.7	2247.8
30°	8781.6	8636.2	8149.9	7208.4	6186.0	5083.9	4067.9	3338.2	2823.5	2400.0	2232.0
31°	8905.8	8767.3	8289.9	7343.7	6268.5	5158.5	4114.5	3342.9	2821.9	2378.9	2221.8
32°	8998.3	8870.4	8420.0	7484.3	6361.0	5233.6	4150.9	3357.8	2823.7	2365.2	2209.5
33°	9030.0	8924.3	8529.9	7618.1	6472.0	5317.5	4184.0	3374.2	2814.9	2359.3	2092.0
34°	8999.9	8911.1	8590.2	7738.6	6584.6	5410.0	4226.9	3382.7	2812.1	2357.2	2067.9
35°	8916.4	8842.9	8581.7	7824.7	6690.8	5503.5	4278.0	3396.5	2814.5	2355.1	2058.0
36°	8809.1	8748.8	8523.6	7876.0	6786.5	5592.4	4328.8	3420.9	2811.8	2346.4	2052.8
37°	8713.4	8645.2	8443.8	7877.1	6844.7	5660.5	4365.1	3434.2	2808.9	2337.2	2055.7
38°	8660.5	8576.5	8364.5	7845.9	6876.9	5719.8	4401.0	3445.5	2798.1	2316.3	2057.4
39°	8629.8	8540.5	8309.5	7808.4	6881.1	5767.9	4453.6	3457.8	2724.4	2236.4	2053.0
40°	8607.1	8516.2	8278.8	7780.3	6865.8	5796.4	4500.9	3467.8	2685.3	2241.1	2029.6
41°	8580.7	8496.6	8259.3	7764.0	6862.1	5812.8	4534.1	3484.7	2697.6	2256.1	1948.9
42°	8546.9	8475.5	8241.3	7750.7	6872.7	5827.6	4554.3	3489.7	2714.2	2261.1	1952.1
43°	8504.0	8449.6	8222.3	7745.5	6887.0	5846.1	4565.4	3501.7	2717.2	2260.1	1948.5
44°	8451.7	8417.9	8200.1	7746.5	6905.5	5862.0	4570.6	3506.7	2708.5	2268.9	1929.5



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CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8388.8	8377.7	8171.5	7745.5	6927.1	5885.2	4581.5	3526.8	2718.7	2276.4	1916.3
46°	8319.5	8328.0	8138.2	7736.5	6944.1	5916.4	4596.2	3525.9	2732.6	2254.3	1853.1
47°	8246.6	8276.2	8099.6	7723.8	6957.8	5950.2	4601.9	3487.8	2730.9	2161.0	1779.4
48°	8171.0	8219.6	8056.3	7713.2	6972.1	5979.8	4625.9	3486.6	2739.9	2150.1	1778.8
49°	8095.9	8158.8	8005.5	7696.3	6988.5	6002.6	4653.0	3502.2	2697.9	2155.5	1772.6
50°	8016.1	8095.4	7950.6	7667.7	6995.9	6022.1	4677.8	3518.9	2644.1	2153.3	1764.5
51°	7925.7	8021.9	7888.7	7633.9	7005.4	6039.6	4698.8	3520.3	2646.0	2141.8	1667.3
52°	7823.2	7937.3	7820.0	7595.9	7017.0	6048.6	4706.3	3529.2	2634.0	2092.9	1645.7
53°	7709.5	7841.1	7746.0	7555.7	7020.7	6051.2	4676.7	3544.9	2650.7	2030.5	1652.5
54°	7579.5	7724.3	7665.1	7509.2	7012.8	6056.0	4644.0	3528.4	2658.8	2034.1	1656.8
55°	7431.4	7588.5	7578.9	7453.1	6993.2	6051.2	4632.7	3525.1	2658.7	2031.6	1596.6
56°	7259.6	7430.4	7479.6	7389.2	6966.8	6036.9	4626.1	3517.2	2646.6	2017.8	1551.0
57°	7066.2	7250.7	7364.3	7319.4	6936.1	6023.2	4616.3	3510.0	2610.5	1924.0	1552.0
58°	6848.4	7047.7	7229.5	7243.8	6897.0	6015.3	4586.3	3477.0	2592.4	1941.2	1516.4
59°	6610.5	6824.1	7084.1	7157.1	6854.2	6001.5	4560.9	3443.3	2593.4	1965.9	1442.5
60°	6336.7	6577.7	6915.5	7058.2	6800.3	5979.8	4530.2	3431.2	2592.0	1986.2	1446.0
61°	5993.1	6289.6	6729.4	6940.4	6731.5	5943.4	4493.9	3399.9	2581.0	1919.9	1374.2
62°	5585.0	5950.2	6516.4	6803.4	6653.8	5893.7	4434.2	3369.2	2550.5	1913.0	1359.6
63°	5121.7	5563.3	6276.9	6645.4	6562.9	5816.0	4367.2	3328.0	2554.1	1920.5	1329.9
64°	4649.0	5150.4	6003.6	6472.0	6456.1	5712.4	4285.0	3274.6	2537.8	1883.1	1274.3
65°	4218.9	4742.2	5705.0	6280.1	6337.2	5589.2	4205.7	3240.8	2480.1	1887.3	1228.4
66°	3846.0	4344.4	5385.7	6058.6	6198.7	5478.7	4103.0	3184.5	2474.0	1854.8	1207.8
67°	3552.9	3982.8	5061.2	5817.0	6041.2	5353.9	3984.4	3115.7	2495.5	1850.5	1140.7
68°	3317.2	3668.3	4735.9	5544.2	5858.8	5203.3	3809.6	3030.1	2516.9	1854.1	1091.8
69°	3082.8	3397.8	4405.7	5249.4	5641.0	5022.7	3636.2	2926.0	2493.8	1846.9	1043.0
70°	2717.7	3119.0	4079.8	4943.6	5394.1	4791.6	3369.2	2776.2	2436.8	1854.6	994.7
71°	2138.1	2756.4	3762.0	4632.3	5125.7	4493.0	3016.5	2570.9	2392.4	1850.7	977.6
72°	1453.4	2254.6	3441.9	4322.2	4835.9	4160.5	2670.9	2354.2	2343.8	1891.9	970.9
73°	849.5	1646.1	3094.7	4006.9	4520.9	3757.7	2347.5	2163.0	2246.7	1874.4	941.1
74°	479.7	1053.2	2714.3	3685.7	4165.1	3320.2	2049.3	2004.2	2146.2	1869.4	945.1
75°	400.2	619.1	2290.2	3333.8	3773.1	2846.4	1693.8	1838.7	2055.5	1853.6	925.7
76°	330.7	502.1	1818.0	2928.8	3323.0	2342.5	1191.2	1601.4	1979.3	1808.9	879.4
77°	261.2	387.2	1370.9	2424.3	2816.5	1737.7	689.9	1198.1	1908.7	1716.0	809.3
78°	233.4	272.3	1027.4	1804.3	2247.0	1107.3	318.9	794.9	1850.4	1565.5	716.7
79°	214.7	240.2	751.4	1149.4	1675.1	580.0	159.2	393.3	1677.8	1309.1	621.2
80°	197.8	215.6	541.4	622.4	1122.5	437.5	137.0	292.9	1244.1	1052.6	545.9
81°	181.9	193.9	433.2	484.7	634.9	296.2	114.8	192.5	810.5	797.8	557.7
82°	166.8	175.2	326.3	360.1	470.9	154.8	92.7	93.5	380.0	653.4	523.9
83°	151.4	159.0	219.5	235.4	311.2	128.2	79.3	74.2	285.5	557.5	419.5
84°	135.5	142.0	185.4	206.7	151.5	109.3	66.1	58.2	191.0	441.1	288.6
85°	119.6	124.9	147.8	180.2	119.3	90.3	53.4	45.2	96.8	314.0	190.7
86°	103.1	108.2	116.0	153.6	95.4	70.9	41.0	34.2	81.2	251.7	135.5
87°	86.1	92.4	95.7	123.7	75.0	53.3	29.3	25.1	63.6	189.3	80.3
88°	70.5	76.5	76.7	88.5	57.2	40.1	20.6	17.9	41.5	127.0	48.9
89°	58.2	60.6	58.0	52.1	43.9	27.0	12.0	10.7	28.7	64.6	33.4



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**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: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3	3339.3
1°	3258.7	3257.6	3263.2	3274.3	3288.9	3308.4	3329.0	3341.5	3361.5	3381.2	3398.7
2°	3186.0	3182.8	3191.5	3210.6	3237.9	3273.5	3313.5	3348.7	3390.0	3431.6	3468.3
3°	3119.2	3114.2	3124.8	3150.6	3189.8	3241.1	3300.6	3357.5	3421.4	3485.3	3544.0
4°	3058.0	3051.1	3064.7	3095.6	3145.5	3211.5	3289.3	3369.9	3456.9	3544.4	3625.4
5°	3000.2	2991.7	3007.2	3044.8	3104.5	3184.5	3280.3	3383.0	3493.2	3608.6	3715.3
6°	2945.1	2935.2	2951.9	2994.4	3065.1	3158.8	3273.3	3398.5	3532.5	3675.4	3811.4
7°	2893.4	2882.4	2900.6	2948.4	3025.5	3135.0	3267.3	3415.5	3575.3	3748.3	3913.4
8°	2846.2	2832.3	2852.7	2907.1	2990.7	3111.5	3262.2	3433.0	3620.5	3825.3	4022.3
9°	2799.8	2783.1	2806.0	2866.4	2959.6	3088.0	3257.2	3452.4	3667.8	3906.8	4139.9
10°	2756.0	2738.0	2762.4	2826.8	2929.7	3065.7	3254.8	3473.5	3718.4	3992.6	4264.5
11°	2717.4	2697.4	2721.4	2790.7	2900.5	3046.9	3254.2	3499.1	3772.7	4084.4	4397.9
12°	2682.8	2653.8	2683.8	2757.3	2873.1	3032.1	3246.3	3515.5	3830.4	4181.0	4538.2
13°	2618.3	2574.4	2619.9	2725.5	2846.0	3008.6	3242.0	3536.1	3879.5	4285.6	4688.1
14°	2567.3	2540.9	2567.8	2683.2	2822.3	2988.8	3237.5	3554.9	3932.6	4391.3	4843.7
15°	2540.6	2511.9	2539.2	2621.2	2793.3	2970.7	3237.7	3580.8	3987.8	4492.8	5009.8
16°	2515.2	2485.2	2513.0	2595.4	2768.4	2957.6	3240.4	3613.1	4049.2	4600.7	5179.2
17°	2493.0	2460.2	2490.8	2574.4	2736.3	2943.9	3245.7	3642.1	4120.8	4711.9	5355.5
18°	2469.0	2432.2	2466.4	2556.1	2693.9	2934.0	3254.8	3675.4	4184.7	4829.4	5524.7
19°	2444.9	2405.7	2443.0	2541.7	2666.5	2931.4	3270.2	3717.1	4257.0	4948.0	5690.1
20°	2420.6	2376.4	2420.9	2525.1	2649.6	2932.8	3286.5	3760.8	4329.8	5073.0	5855.6
21°	2393.2	2275.8	2396.3	2505.2	2638.6	2932.9	3297.7	3799.9	4412.0	5194.9	6012.6
22°	2269.9	2201.9	2280.1	2486.4	2632.1	2926.6	3301.0	3834.5	4496.6	5317.5	6162.7
23°	2221.9	2181.4	2232.0	2471.7	2626.1	2916.1	3311.9	3859.8	4578.7	5440.6	6312.3
24°	2204.3	2167.2	2216.5	2378.8	2614.9	2905.9	3331.7	3892.4	4655.0	5561.7	6459.8
25°	2193.1	2155.3	2205.8	2316.3	2604.2	2897.3	3340.0	3937.0	4722.6	5683.8	6596.7
26°	2182.6	2142.8	2196.5	2306.6	2597.8	2883.3	3351.7	3975.5	4792.6	5804.3	6736.3
27°	2171.2	2133.7	2186.6	2298.3	2583.5	2889.3	3370.6	4009.1	4870.5	5924.3	6871.1
28°	2162.8	2122.7	2179.0	2286.2	2566.2	2893.7	3389.5	4051.8	4960.0	6036.4	7007.5
29°	2152.9	2029.4	2170.1	2271.7	2484.4	2885.9	3401.5	4102.5	5050.2	6145.8	7139.6
30°	2046.1	1991.1	2061.6	2259.4	2430.5	2875.2	3404.6	4154.5	5127.1	6247.3	7273.9
31°	2015.3	1987.0	2031.9	2248.6	2409.2	2875.0	3418.2	4202.2	5216.5	6348.3	7417.2
32°	2009.8	1987.2	2026.5	2235.8	2399.6	2877.5	3438.8	4241.2	5313.2	6457.2	7548.3
33°	2006.4	1986.3	2023.7	2118.4	2396.8	2867.6	3461.2	4290.8	5418.4	6566.6	7676.2
34°	2002.4	1982.2	2019.2	2094.7	2395.3	2866.7	3470.7	4349.3	5512.5	6677.1	7783.5
35°	1995.4	1978.2	2012.2	2084.6	2393.1	2866.9	3491.6	4407.1	5595.5	6780.7	7854.9
36°	1987.6	1903.1	2003.4	2080.9	2383.1	2863.6	3516.4	4462.6	5667.9	6850.5	7880.3
37°	1909.2	1849.4	1914.9	2084.2	2374.9	2858.9	3532.4	4500.5	5727.7	6888.5	7871.3
38°	1845.9	1850.6	1861.8	2084.5	2350.2	2849.2	3546.1	4541.0	5773.7	6898.1	7834.8
39°	1841.6	1855.9	1857.0	2084.0	2273.1	2778.5	3549.7	4584.3	5805.4	6889.6	7793.0
40°	1840.5	1858.2	1853.5	2055.0	2285.9	2742.4	3553.9	4612.6	5824.4	6884.8	7764.0
41°	1830.9	1849.7	1842.2	1982.3	2301.9	2753.5	3557.8	4632.9	5833.9	6889.6	7747.0
42°	1810.8	1747.5	1822.1	1985.2	2300.7	2767.7	3562.8	4651.2	5850.9	6899.6	7743.9
43°	1710.1	1712.6	1723.5	1977.2	2303.2	2758.9	3573.9	4666.4	5868.8	6913.9	7750.7
44°	1670.3	1710.0	1688.0	1958.5	2310.5	2753.5	3584.9	4677.1	5893.7	6930.3	7753.9

REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1667.0	1704.2	1685.2	1945.9	2317.9	2764.1	3604.1	4695.0	5922.7	6946.2	7751.8
46°	1661.2	1693.5	1677.8	1868.5	2284.1	2782.0	3590.4	4706.8	5952.9	6966.8	7749.7
47°	1645.8	1547.0	1665.2	1816.0	2199.6	2784.7	3555.8	4717.6	5978.3	6990.0	7742.8
48°	1518.6	1533.0	1539.5	1815.8	2193.1	2794.6	3561.8	4742.5	5999.9	7008.5	7729.6
49°	1511.2	1521.8	1536.9	1806.1	2199.0	2740.6	3579.0	4764.6	6022.7	7022.8	7705.8
50°	1510.0	1510.8	1537.2	1801.2	2193.5	2705.7	3592.8	4783.3	6042.7	7037.1	7675.1
51°	1508.4	1390.8	1537.5	1699.0	2184.2	2708.7	3594.7	4798.0	6053.3	7044.5	7643.4
52°	1416.6	1348.1	1439.7	1685.2	2110.9	2703.0	3603.1	4796.7	6057.0	7045.6	7609.6
53°	1388.0	1339.4	1415.2	1693.4	2077.3	2721.2	3613.4	4756.9	6061.2	7038.1	7568.4
54°	1379.8	1321.9	1406.6	1700.9	2082.5	2723.1	3599.7	4720.5	6054.9	7019.6	7520.8
55°	1361.7	1181.5	1381.6	1625.7	2082.2	2723.8	3596.6	4707.2	6038.5	6994.3	7470.6
56°	1247.5	1180.7	1274.4	1595.9	2067.8	2719.9	3584.2	4698.1	6019.5	6967.3	7410.8
57°	1249.7	1112.0	1278.3	1596.6	1985.4	2673.0	3575.4	4684.6	6005.7	6932.4	7337.9
58°	1171.6	1044.1	1193.1	1544.8	2007.8	2666.4	3526.4	4651.0	5988.3	6889.6	7250.1
59°	1125.9	1046.9	1156.1	1494.5	2035.2	2666.7	3506.7	4618.8	5965.0	6839.4	7149.2
60°	1086.9	895.2	1118.4	1503.5	2053.3	2662.9	3477.9	4577.3	5929.1	6777.0	7038.1
61°	1047.7	897.2	1080.8	1424.8	1989.6	2643.6	3441.8	4542.8	5883.1	6706.7	6917.6
62°	1006.0	760.5	1041.3	1418.3	1986.7	2611.9	3401.4	4485.1	5807.0	6621.1	6783.4
63°	875.1	755.2	909.1	1378.5	1981.8	2609.7	3353.9	4415.6	5708.7	6520.6	6629.5
64°	866.7	590.1	891.2	1336.1	1957.5	2584.3	3302.2	4328.6	5588.7	6405.9	6452.4
65°	735.2	522.8	764.0	1283.0	1965.2	2520.1	3250.5	4241.8	5476.1	6275.3	6250.0
66°	638.8	423.1	658.4	1274.3	1933.0	2529.6	3187.0	4115.5	5349.7	6127.9	6027.9
67°	581.3	281.8	575.3	1207.4	1927.8	2545.5	3105.4	3978.6	5202.7	5962.4	5781.6
68°	459.8	140.4	474.5	1153.0	1922.5	2554.6	3003.0	3774.5	5034.3	5770.5	5523.6
69°	305.8	0.3	319.3	1098.6	1915.5	2501.1	2883.2	3551.1	4824.5	5553.8	5245.0
70°	296.2	0.3	307.2	1045.4	1924.7	2431.0	2699.3	3225.5	4569.8	5306.4	4942.2
71°	295.6	0.3	296.5	1030.2	1915.6	2365.3	2462.9	2847.2	4239.2	5035.0	4616.3
72°	281.2	0.3	274.4	1017.3	1952.6	2297.8	2241.5	2499.6	3883.4	4741.5	4296.0
73°	252.8	0.3	234.5	977.7	1921.2	2190.4	2073.1	2186.5	3451.9	4405.5	3968.1
74°	217.7	0.3	186.0	962.8	1877.0	2091.7	1924.2	1855.5	2992.1	4018.9	3634.5
75°	174.7	0.3	153.7	923.4	1831.7	2016.2	1696.6	1409.0	2512.8	3581.9	3266.6
76°	131.3	0.3	142.1	863.9	1734.6	1944.9	1285.7	871.8	1982.7	3106.2	2860.0
77°	99.8	0.3	158.2	786.1	1592.1	1870.2	874.8	420.3	1368.5	2580.7	2342.4
78°	107.9	0.3	180.8	694.6	1410.0	1711.6	468.5	275.9	776.3	2013.6	1679.6
79°	149.1	0.4	145.8	619.2	1191.2	1292.8	195.9	139.4	570.6	1461.7	1018.5
80°	156.4	0.4	110.7	579.1	972.5	874.0	146.5	118.1	369.3	945.1	519.4
81°	125.4	0.5	75.7	541.7	756.6	455.3	97.9	102.9	168.0	516.2	416.7
82°	94.4	0.6	40.2	462.1	632.1	336.3	78.6	88.8	139.6	384.4	324.9
83°	63.5	0.7	21.2	298.4	489.5	217.3	63.8	75.5	120.2	262.4	233.1
84°	36.9	0.8	16.8	215.2	320.8	99.0	51.8	62.5	102.2	140.5	204.7
85°	22.4	0.9	12.5	132.0	229.3	82.0	40.9	49.8	84.0	110.5	178.2
86°	17.2	1.0	8.3	50.9	137.7	65.7	31.2	37.4	65.5	87.9	150.8
87°	12.1	1.1	7.0	29.8	47.0	48.6	22.7	25.0	49.2	68.6	119.9
88°	7.0	1.2	5.7	20.7	32.2	33.4	16.1	14.6	35.6	51.8	81.7
89°	4.4	1.4	3.9	11.5	17.5	18.2	9.4	6.4	22.1	40.3	46.1



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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

REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	3339.3	3339.3	3339.3
1°	3413.0	3421.2	3425.5
2°	3497.9	3516.5	3523.2
3°	3590.0	3619.6	3628.9
4°	3691.3	3734.4	3748.0
5°	3802.5	3859.7	3878.2
6°	3922.2	3997.3	4020.9
7°	4052.8	4143.7	4174.1
8°	4189.2	4301.2	4339.1
9°	4339.0	4470.4	4516.8
10°	4496.1	4652.1	4705.8
11°	4665.2	4846.8	4909.3
12°	4844.2	5051.8	5127.3
13°	5034.7	5273.0	5361.3
14°	5233.1	5504.6	5602.9
15°	5441.7	5743.5	5855.1
16°	5655.8	5989.9	6112.5
17°	5879.4	6240.5	6371.0
18°	6096.7	6488.4	6621.6
19°	6309.2	6724.7	6868.5
20°	6516.4	6952.5	7105.3
21°	6716.7	7169.8	7329.4
22°	6903.9	7371.2	7535.1
23°	7085.2	7570.5	7734.9
24°	7259.6	7764.0	7919.9
25°	7433.0	7945.3	8097.5
26°	7604.8	8113.9	8248.2
27°	7766.6	8257.7	8380.3
28°	7909.3	8382.5	8501.4
29°	8041.5	8509.3	8629.8
30°	8175.8	8652.1	8781.6
31°	8315.8	8783.2	8905.8
32°	8440.1	8877.8	8998.3
33°	8523.6	8922.2	9030.0
34°	8561.1	8911.1	8999.9
35°	8546.3	8842.9	8916.4
36°	8498.7	8744.6	8809.1
37°	8422.1	8643.1	8713.4
38°	8350.2	8577.5	8660.5
39°	8303.2	8540.5	8629.8
40°	8273.6	8519.9	8607.1
41°	8254.5	8502.4	8580.7
42°	8233.9	8482.4	8546.9
43°	8213.3	8459.6	8504.0
44°	8192.7	8429.5	8451.7

REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	8167.8	8388.3	8388.8
46°	8139.8	8337.0	8319.5
47°	8108.6	8281.0	8246.6
48°	8070.6	8220.2	8171.0
49°	8021.4	8158.8	8095.9
50°	7962.2	8095.4	8016.1
51°	7897.7	8025.1	7925.7
52°	7825.3	7943.7	7823.2
53°	7750.2	7844.8	7709.5
54°	7672.0	7728.0	7579.5
55°	7589.0	7590.0	7431.4
56°	7491.7	7433.0	7259.6
57°	7377.5	7258.1	7066.2
58°	7239.6	7050.8	6848.4
59°	7087.3	6826.2	6610.5
60°	6916.6	6582.5	6336.7
61°	6722.0	6306.0	5993.1
62°	6506.9	5971.4	5585.0
63°	6269.0	5585.0	5121.7
64°	6011.6	5163.9	4649.0
65°	5720.8	4747.2	4218.9
66°	5406.8	4359.2	3846.0
67°	5082.4	4011.0	3552.9
68°	4747.9	3694.7	3317.2
69°	4430.9	3412.6	3082.8
70°	4128.6	3133.9	2717.7
71°	3815.0	2789.9	2138.1
72°	3472.9	2309.9	1453.4
73°	3130.1	1704.7	849.5
74°	2769.0	1129.9	479.7
75°	2312.0	687.5	400.2
76°	1820.6	551.9	330.7
77°	1392.4	417.5	261.2
78°	1052.0	283.0	233.4
79°	777.0	244.9	214.7
80°	524.5	218.7	197.8
81°	422.4	196.4	181.9
82°	321.4	177.6	166.8
83°	220.4	162.6	151.4
84°	184.6	144.9	135.5
85°	146.1	126.1	119.6
86°	116.7	108.9	103.1
87°	95.4	92.4	86.1
88°	75.6	76.4	70.5
89°	56.2	60.3	58.2



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436773

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436773  
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)