

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: P1436797

Luminaire Tested: XAS300-SFPM (4000K-120W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436797  
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-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 4  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

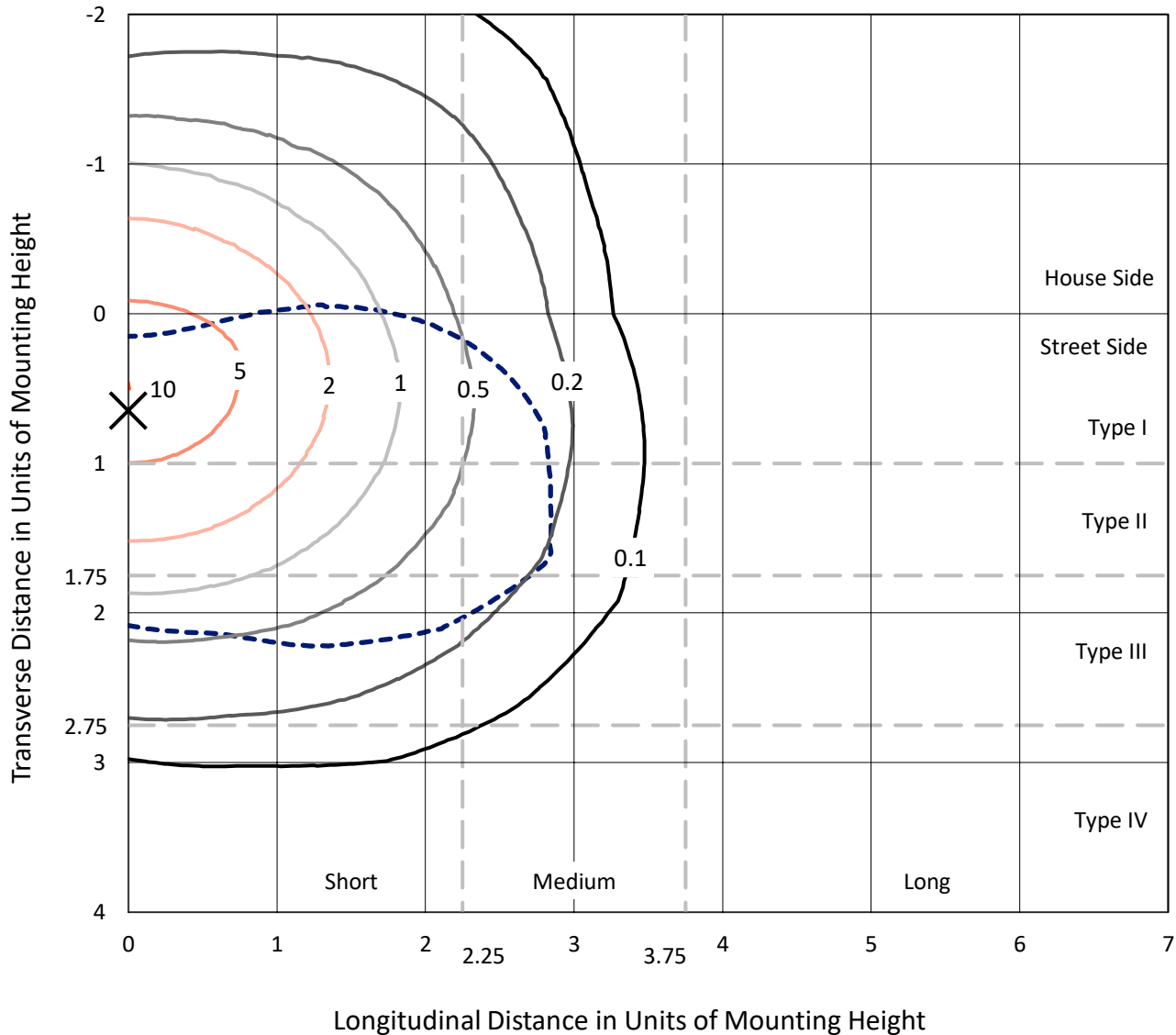
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 21311.1 lumens  
Efficiency: 55.5%  
Efficacy: 176.9 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 120.5  
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

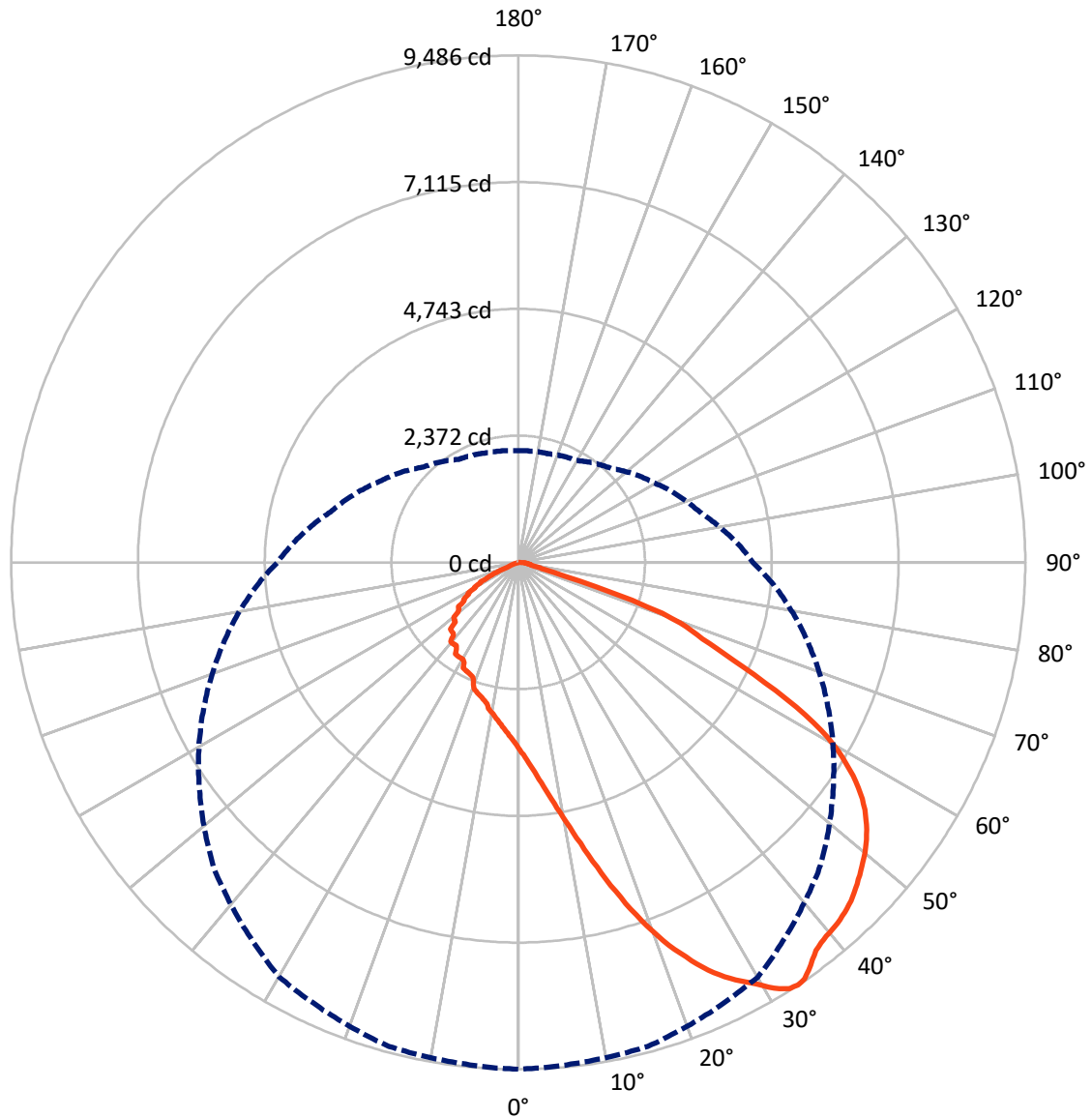
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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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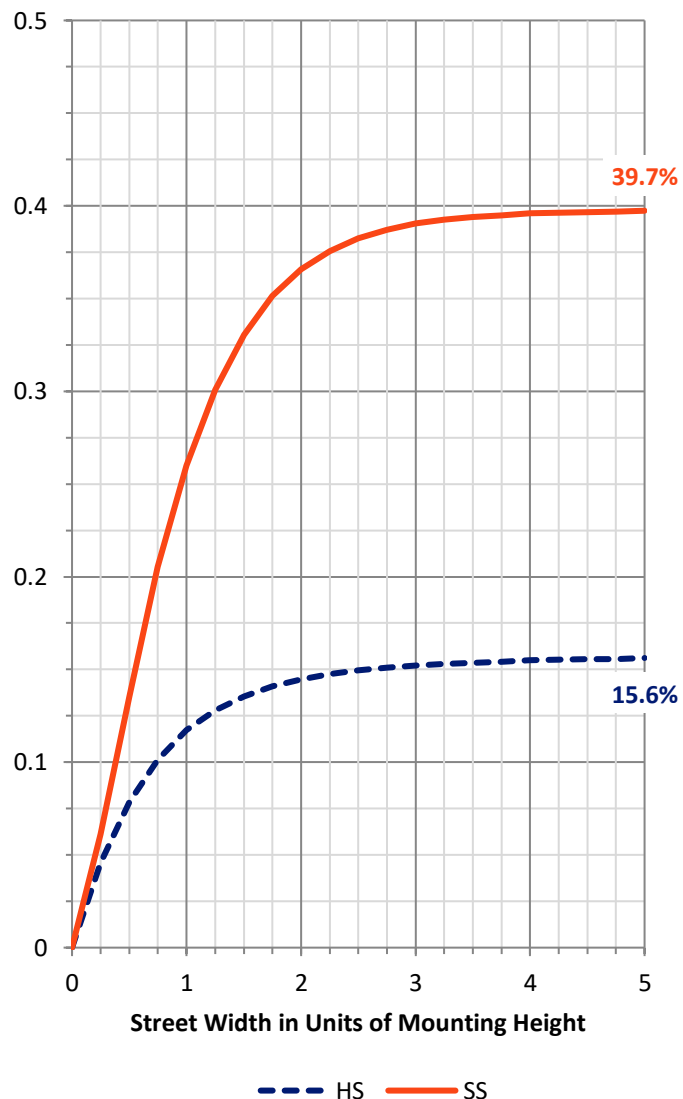
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6034.1	0.0	6034.1
	% Lamp	15.7	0.0	15.7
<b>Street Side</b>	Lumens	15277.1	0.0	15277.1
	% Lamp	39.8	0.0	39.8
<b>Total</b>	Lumens	21311.1	0.0	21311.1
	% Lamp	55.5	0.0	55.5

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	347.6	1.6	0.9
10°-20°	1170.6	5.5	3.1
20°-30°	2220.8	10.4	5.8
30°-40°	3271.9	15.4	8.5
40°-50°	3987.8	18.7	10.4
50°-60°	4362.1	20.5	11.4
60°-70°	3859.5	18.1	10.1
70°-80°	1911.9	9.0	5.0
80°-90°	178.9	0.8	0.5
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°	21311.1	100.0	55.5
0°-180°	21311.1	100.0	55.5

**Coefficient of Utilization**



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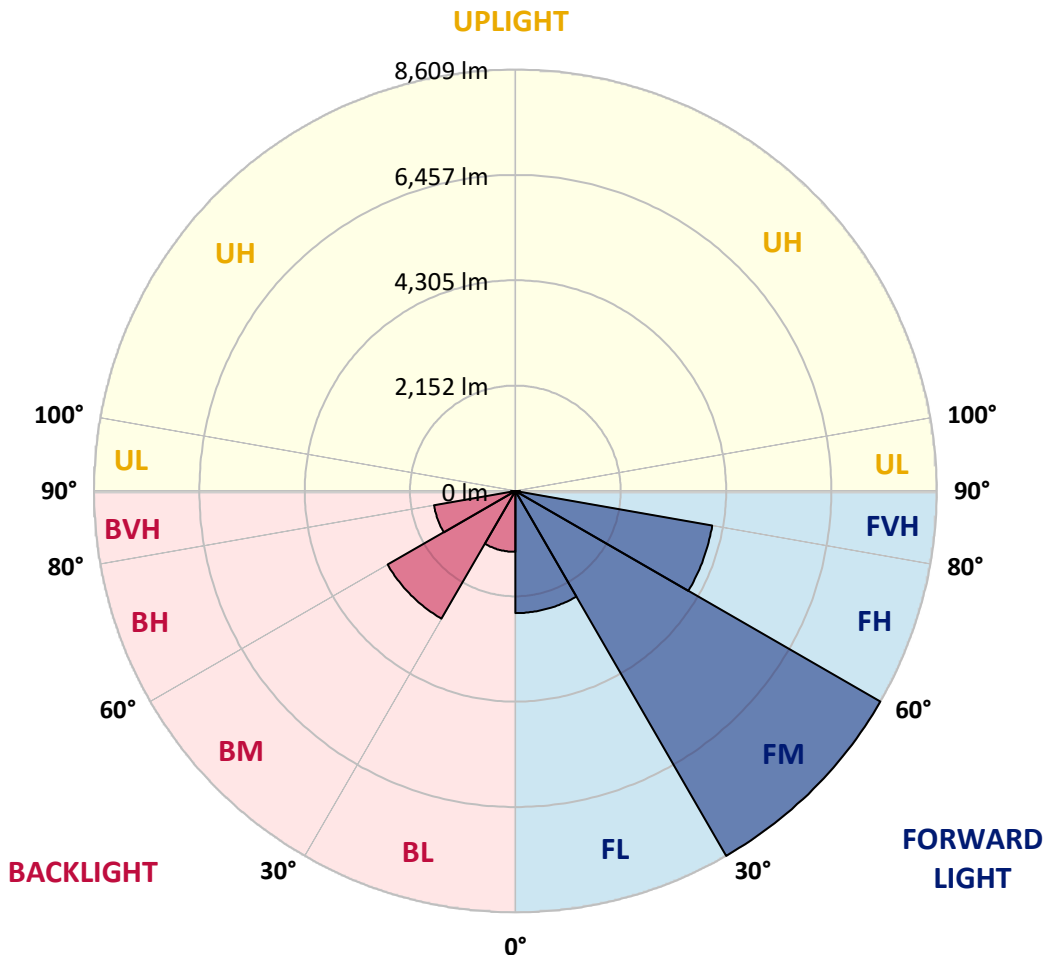
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

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

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2494.1	6.5			
FM (30°-60°)	8609.2	22.4			
FH (60°-80°)	4082.9	10.6			G2/5000
FVH (80°-90°)	90.8	0.2			G1/100
BL (0°-30°)	1244.9	3.2	B3/2500		
BM (30°-60°)	3012.5	7.9	B3/5000		
BH (60°-80°)	1688.6	4.4	B3/2500		G3/2500
BVH (80°-90°)	88.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	17064.9	44.5			

**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°	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9
1°	3598.5	3597.4	3589.0	3576.2	3558.6	3536.7	3502.8	3480.2	3458.9	3442.3	3429.9
2°	3701.1	3695.3	3675.0	3645.0	3605.9	3561.4	3503.1	3458.0	3417.4	3384.5	3360.1
3°	3812.2	3802.1	3769.1	3721.0	3657.8	3588.5	3506.6	3439.8	3380.8	3332.6	3297.2
4°	3937.3	3920.3	3874.0	3804.7	3716.6	3622.5	3514.6	3426.0	3347.2	3283.7	3239.3
5°	4074.0	4053.1	3988.7	3894.9	3782.8	3660.6	3527.0	3416.5	3317.9	3241.5	3185.6
6°	4223.9	4195.8	4115.6	3996.6	3853.3	3701.5	3540.1	3408.7	3292.3	3201.6	3133.3
7°	4384.9	4351.7	4252.4	4104.1	3928.9	3744.5	3555.5	3402.1	3268.8	3162.0	3085.4
8°	4558.2	4517.3	4399.0	4222.5	4009.9	3790.8	3573.1	3397.4	3246.8	3126.0	3041.9
9°	4744.9	4694.9	4557.3	4347.2	4097.0	3841.2	3593.6	3393.2	3224.8	3093.9	3000.6
10°	4943.4	4885.6	4722.9	4481.3	4188.4	3894.6	3614.5	3391.1	3202.7	3064.4	2961.7
11°	5157.2	5091.2	4904.9	4623.0	4286.1	3953.2	3638.3	3391.1	3183.3	3036.1	2925.5
12°	5386.2	5308.0	5095.9	4771.4	4388.4	4014.0	3655.4	3384.3	3167.0	3007.5	2893.2
13°	5632.1	5540.3	5293.9	4929.6	4499.5	4065.8	3671.8	3375.6	3143.3	2981.0	2862.3
14°	5885.8	5786.4	5503.5	5095.4	4614.6	4121.0	3695.0	3370.8	3121.3	2957.5	2817.4
15°	6150.7	6035.8	5721.5	5267.3	4722.1	4181.4	3720.3	3369.4	3100.3	2927.2	2756.8
16°	6421.2	6292.9	5943.6	5443.6	4836.5	4245.6	3754.0	3376.5	3083.5	2899.3	2728.6
17°	6692.7	6548.9	6170.7	5622.6	4952.8	4316.5	3783.4	3378.2	3072.2	2858.9	2707.0
18°	6955.9	6803.8	6393.4	5802.0	5068.0	4391.5	3816.8	3384.2	3057.8	2813.1	2687.4
19°	7215.3	7052.6	6615.0	5973.0	5191.9	4462.5	3855.8	3399.3	3049.6	2788.9	2670.9
20°	7464.0	7290.8	6829.3	6136.3	5312.7	4539.4	3898.8	3415.5	3047.1	2769.8	2653.3
21°	7699.5	7521.2	7033.7	6304.5	5440.6	4619.3	3942.7	3428.4	3046.9	2753.8	2632.8
22°	7915.5	7737.8	7229.7	6458.9	5558.7	4706.1	3979.1	3427.4	3038.8	2744.1	2610.1
23°	8125.4	7948.3	7423.0	6608.9	5683.1	4794.6	4000.1	3431.2	3022.0	2737.7	2590.3
24°	8319.8	8148.2	7608.4	6755.5	5804.8	4874.7	4027.9	3446.8	3002.9	2724.7	2492.1
25°	8506.4	8335.3	7787.8	6904.8	5922.5	4948.1	4068.0	3454.1	2990.3	2713.2	2417.5
26°	8664.6	8504.7	7963.3	7044.8	6044.1	5011.6	4109.6	3459.1	2977.0	2703.0	2401.1
27°	8803.5	8653.5	8129.9	7181.9	6165.2	5083.6	4136.2	3474.1	2978.8	2689.8	2389.8
28°	8930.6	8786.8	8284.3	7314.1	6285.1	5167.5	4175.1	3490.5	2981.7	2668.6	2377.8
29°	9065.6	8919.0	8420.9	7441.3	6394.5	5260.1	4221.8	3505.3	2979.3	2579.7	2361.3
30°	9225.0	9072.3	8561.4	7572.3	6498.3	5340.6	4273.3	3506.8	2966.0	2521.2	2344.7
31°	9355.5	9210.0	8708.5	7714.5	6585.0	5419.0	4322.3	3511.7	2964.4	2499.0	2334.0
32°	9452.6	9318.3	8845.1	7862.2	6682.2	5497.8	4360.5	3527.4	2966.3	2484.6	2321.0
33°	9486.0	9374.9	8960.6	8002.7	6798.8	5586.0	4395.3	3544.5	2957.1	2478.4	2197.7
34°	9454.3	9361.0	9023.9	8129.3	6917.1	5683.1	4440.3	3553.5	2954.1	2476.2	2172.3
35°	9366.6	9289.4	9015.1	8219.8	7028.7	5781.4	4494.0	3568.0	2956.6	2474.0	2161.9
36°	9253.8	9190.5	8954.0	8273.7	7129.2	5874.7	4547.4	3593.6	2953.7	2464.9	2156.4
37°	9153.3	9081.7	8870.1	8274.8	7190.3	5946.4	4585.5	3607.6	2950.7	2455.2	2159.5
38°	9097.8	9009.5	8786.8	8242.1	7224.2	6008.6	4623.3	3619.5	2939.4	2433.2	2161.3
39°	9065.6	8971.7	8729.1	8202.6	7228.6	6059.1	4678.5	3632.4	2862.0	2349.3	2156.7
40°	9041.7	8946.2	8696.9	8173.2	7212.5	6089.1	4728.2	3642.9	2820.9	2354.3	2132.0
41°	9013.9	8925.7	8676.3	8156.0	7208.6	6106.3	4763.0	3660.7	2833.9	2370.0	2047.3
42°	8978.4	8903.4	8657.4	8142.1	7219.7	6121.8	4784.3	3665.9	2851.2	2375.3	2050.6
43°	8933.4	8876.2	8637.4	8136.5	7234.7	6141.3	4796.0	3678.5	2854.4	2374.3	2046.9
44°	8878.4	8842.9	8614.1	8137.7	7254.1	6157.9	4801.3	3683.8	2845.3	2383.4	2026.9

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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8812.4	8800.7	8584.1	8136.5	7276.9	6182.4	4812.8	3704.9	2856.0	2391.4	2013.1
46°	8739.6	8748.5	8549.1	8127.1	7294.7	6215.1	4828.3	3704.0	2870.6	2368.2	1946.6
47°	8663.0	8694.1	8508.6	8113.8	7309.1	6250.7	4834.2	3663.9	2868.8	2270.1	1869.3
48°	8583.6	8634.7	8463.1	8102.7	7324.1	6281.8	4859.4	3662.7	2878.3	2258.7	1868.7
49°	8504.7	8570.8	8409.8	8084.9	7341.3	6305.7	4888.0	3679.0	2834.1	2264.3	1862.1
50°	8420.9	8504.2	8352.0	8054.9	7349.1	6326.2	4914.0	3696.6	2777.7	2262.0	1853.5
51°	8325.9	8427.0	8287.0	8019.4	7359.1	6344.5	4936.0	3698.1	2779.7	2249.9	1751.5
52°	8218.2	8338.1	8214.8	7979.4	7371.3	6354.0	4943.9	3707.4	2767.0	2198.6	1728.8
53°	8098.8	8237.1	8137.1	7937.2	7375.2	6356.7	4912.9	3723.9	2784.5	2133.0	1735.9
54°	7962.2	8114.3	8052.1	7888.3	7366.9	6361.7	4878.5	3706.5	2793.0	2136.8	1740.4
55°	7806.7	7971.6	7961.6	7829.4	7346.3	6356.7	4866.6	3703.1	2792.9	2134.1	1677.2
56°	7626.2	7805.6	7857.2	7762.3	7318.6	6341.7	4859.7	3694.8	2780.2	2119.7	1629.4
57°	7423.0	7616.8	7736.2	7689.0	7286.3	6327.3	4849.4	3687.2	2742.3	2021.1	1630.4
58°	7194.2	7403.5	7594.5	7609.5	7245.3	6319.0	4817.8	3652.6	2723.3	2039.2	1592.9
59°	6944.3	7168.6	7441.8	7518.5	7200.3	6304.5	4791.2	3617.2	2724.3	2065.2	1515.3
60°	6656.6	6909.8	7264.7	7414.6	7143.6	6281.8	4759.0	3604.4	2722.8	2086.4	1519.0
61°	6295.7	6607.2	7069.2	7290.8	7071.4	6243.5	4720.8	3571.6	2711.3	2016.8	1443.6
62°	5867.0	6250.7	6845.4	7147.0	6989.8	6191.3	4658.1	3539.3	2679.3	2009.6	1428.2
63°	5380.3	5844.2	6593.9	6980.9	6894.3	6109.6	4587.7	3496.0	2683.0	2017.4	1397.0
64°	4883.8	5410.4	6306.8	6798.8	6782.1	6000.8	4501.3	3439.9	2666.0	1978.2	1338.7
65°	4431.9	4981.6	5993.0	6597.2	6657.2	5871.4	4418.1	3404.4	2605.3	1982.5	1290.5
66°	4040.2	4563.7	5657.6	6364.5	6511.7	5755.3	4310.2	3345.3	2599.0	1948.5	1268.7
67°	3732.2	4183.9	5316.7	6110.7	6346.2	5624.3	4185.6	3273.1	2621.5	1943.9	1198.3
68°	3484.7	3853.5	4975.0	5824.2	6154.6	5466.1	4001.9	3183.1	2644.0	1947.7	1147.0
69°	3238.5	3569.3	4628.1	5514.5	5925.8	5276.3	3819.8	3073.7	2619.7	1940.1	1095.6
70°	2854.9	3276.4	4285.8	5193.2	5666.5	5033.5	3539.3	2916.4	2559.8	1948.3	1044.9
71°	2246.0	2895.5	3952.0	4866.2	5384.5	4719.8	3168.8	2700.7	2513.2	1944.1	1027.0
72°	1526.7	2368.4	3615.7	4540.4	5080.1	4370.5	2805.8	2473.1	2462.1	1987.4	1019.9
73°	892.4	1729.2	3251.0	4209.3	4749.2	3947.4	2466.1	2272.2	2360.2	1969.1	988.6
74°	503.9	1106.4	2851.4	3871.8	4375.4	3487.9	2152.8	2105.4	2254.5	1963.8	992.8
75°	420.4	650.4	2405.9	3502.1	3963.6	2990.2	1779.3	1931.5	2159.3	1947.2	972.5
76°	347.4	527.5	1909.7	3076.7	3490.7	2460.8	1251.3	1682.3	2079.2	1900.2	923.8
77°	274.4	406.8	1440.2	2546.8	2958.7	1825.4	724.7	1258.6	2005.0	1802.7	850.2
78°	245.2	286.0	1079.3	1895.4	2360.4	1163.2	335.1	835.0	1943.8	1644.6	752.9
79°	225.5	252.3	789.4	1207.4	1759.7	609.2	167.2	413.2	1762.5	1375.2	652.6
80°	207.8	226.5	568.8	653.8	1179.2	459.6	143.9	307.7	1306.9	1105.8	573.5
81°	191.1	203.6	455.1	509.1	667.0	311.1	120.6	202.2	851.5	838.0	585.9
82°	175.2	184.0	342.8	378.2	494.7	162.6	97.4	98.2	399.2	686.4	550.4
83°	159.1	167.0	230.5	247.3	326.9	134.6	83.3	78.0	299.9	585.6	440.7
84°	142.3	149.1	194.8	217.1	159.2	114.8	69.5	61.2	200.6	463.4	303.2
85°	125.6	131.2	155.2	189.3	125.3	94.9	56.1	47.5	101.7	329.9	200.3
86°	108.3	113.7	121.9	161.4	100.2	74.4	43.1	35.9	85.3	264.4	142.3
87°	90.4	97.1	100.5	129.9	78.7	56.0	30.7	26.4	66.8	198.9	84.3
88°	74.1	80.4	80.6	93.0	60.1	42.1	21.7	18.8	43.6	133.4	51.4
89°	61.1	63.7	61.0	54.7	46.1	28.3	12.6	11.3	30.1	67.9	35.1



REPORT NUMBER: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9	3507.9
1°	3423.3	3422.1	3427.9	3439.6	3455.0	3475.5	3497.1	3510.2	3531.3	3551.9	3570.3
2°	3346.9	3343.5	3352.6	3372.7	3401.4	3438.8	3480.8	3517.8	3561.2	3604.9	3643.5
3°	3276.7	3271.4	3282.6	3309.6	3350.9	3404.7	3467.3	3527.1	3594.2	3661.3	3723.0
4°	3212.4	3205.2	3219.4	3251.9	3304.3	3373.7	3455.4	3540.1	3631.5	3723.4	3808.5
5°	3151.7	3142.7	3159.0	3198.6	3261.3	3345.2	3446.0	3553.8	3669.6	3790.8	3902.9
6°	3093.8	3083.4	3101.0	3145.6	3219.9	3318.3	3438.6	3570.1	3710.9	3861.0	4003.9
7°	3039.5	3027.9	3047.1	3097.3	3178.3	3293.3	3432.3	3588.0	3755.8	3937.5	4111.0
8°	2990.0	2975.3	2996.8	3053.9	3141.7	3268.6	3426.9	3606.3	3803.3	4018.4	4225.4
9°	2941.2	2923.6	2947.6	3011.1	3109.0	3243.9	3421.7	3626.7	3853.0	4104.0	4349.0
10°	2895.2	2876.2	2901.9	2969.5	3077.6	3220.5	3419.2	3648.9	3906.1	4194.2	4479.9
11°	2854.6	2833.6	2858.8	2931.6	3047.0	3200.8	3418.5	3675.8	3963.1	4290.7	4620.0
12°	2818.2	2787.8	2819.4	2896.5	3018.2	3185.1	3410.2	3693.0	4023.8	4392.1	4767.3
13°	2750.5	2704.4	2752.2	2863.1	2989.7	3160.5	3405.7	3714.7	4075.4	4502.0	4924.8
14°	2697.0	2669.2	2697.5	2818.6	2964.9	3139.7	3401.0	3734.4	4131.2	4613.0	5088.3
15°	2668.9	2638.8	2667.4	2753.6	2934.4	3120.7	3401.2	3761.6	4189.1	4719.6	5262.8
16°	2642.2	2610.7	2639.9	2726.5	2908.2	3107.0	3404.0	3795.6	4253.6	4833.0	5440.7
17°	2618.9	2584.5	2616.6	2704.4	2874.4	3092.6	3409.6	3826.0	4328.9	4949.8	5625.9
18°	2593.7	2555.0	2590.9	2685.1	2829.9	3082.1	3419.1	3861.0	4396.0	5073.3	5803.6
19°	2568.4	2527.1	2566.4	2670.1	2801.1	3079.4	3435.4	3904.8	4472.0	5197.8	5977.5
20°	2542.9	2496.4	2543.1	2652.7	2783.4	3080.9	3452.4	3950.7	4548.5	5329.2	6151.3
21°	2514.0	2390.7	2517.3	2631.7	2771.9	3081.0	3464.2	3991.7	4634.8	5457.2	6316.2
22°	2384.5	2313.1	2395.2	2611.9	2765.0	3074.4	3467.7	4028.1	4723.7	5586.0	6473.9
23°	2334.1	2291.6	2344.7	2596.5	2758.7	3063.3	3479.1	4054.7	4809.9	5715.3	6631.1
24°	2315.6	2276.6	2328.4	2498.9	2746.9	3052.6	3499.9	4089.0	4890.0	5842.5	6786.0
25°	2303.9	2264.1	2317.1	2433.3	2735.7	3043.5	3508.6	4135.8	4961.1	5970.8	6929.8
26°	2292.8	2251.0	2307.4	2423.1	2729.0	3028.9	3520.9	4176.2	5034.6	6097.4	7076.4
27°	2280.8	2241.4	2297.0	2414.4	2713.9	3035.2	3540.8	4211.5	5116.4	6223.5	7218.0
28°	2272.0	2229.8	2289.0	2401.6	2695.7	3039.8	3560.6	4256.4	5210.5	6341.2	7361.3
29°	2261.6	2131.9	2279.6	2386.4	2609.9	3031.7	3573.3	4309.7	5305.2	6456.1	7500.1
30°	2149.4	2091.7	2165.7	2373.5	2553.2	3020.4	3576.5	4364.3	5386.0	6562.8	7641.2
31°	2117.0	2087.3	2134.5	2362.2	2530.8	3020.2	3590.8	4414.4	5479.9	6668.8	7791.7
32°	2111.3	2087.5	2128.9	2348.7	2520.8	3022.8	3612.5	4455.3	5581.5	6783.2	7929.4
33°	2107.7	2086.6	2125.9	2225.4	2517.8	3012.4	3636.0	4507.4	5692.0	6898.2	8063.8
34°	2103.5	2082.3	2121.2	2200.5	2516.3	3011.4	3646.0	4568.9	5790.9	7014.2	8176.5
35°	2096.2	2078.1	2113.8	2189.9	2513.9	3011.6	3667.9	4629.6	5878.1	7123.1	8251.5
36°	2088.0	1999.2	2104.6	2186.0	2503.4	3008.2	3693.9	4688.0	5954.1	7196.4	8278.1
37°	2005.6	1942.8	2011.6	2189.4	2494.8	3003.2	3710.8	4727.7	6016.9	7236.4	8268.7
38°	1939.1	1944.1	1955.8	2189.7	2468.9	2993.1	3725.2	4770.3	6065.2	7246.4	8230.4
39°	1934.6	1949.6	1950.7	2189.2	2387.9	2918.8	3729.0	4815.7	6098.5	7237.5	8186.5
40°	1933.5	1952.1	1947.1	2158.8	2401.3	2880.8	3733.4	4845.6	6118.5	7232.5	8156.0
41°	1923.3	1943.1	1935.2	2082.4	2418.1	2892.5	3737.5	4866.9	6128.5	7237.5	8138.2
42°	1902.2	1835.7	1914.1	2085.4	2416.9	2907.5	3742.7	4886.0	6146.3	7248.0	8134.9
43°	1796.5	1799.1	1810.5	2077.1	2419.5	2898.2	3754.4	4902.0	6165.2	7263.0	8142.1
44°	1754.6	1796.3	1773.2	2057.4	2427.1	2892.5	3766.0	4913.3	6191.3	7280.2	8145.4

REPORT NUMBER: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1751.1	1790.2	1770.3	2044.2	2434.9	2903.7	3786.1	4932.0	6221.8	7296.9	8143.2
46°	1745.0	1779.0	1762.5	1962.9	2399.4	2922.4	3771.7	4944.5	6253.5	7318.6	8141.0
47°	1728.9	1625.1	1749.3	1907.7	2310.7	2925.3	3735.4	4955.8	6280.1	7343.0	8133.8
48°	1595.3	1610.4	1617.3	1907.5	2303.8	2935.7	3741.7	4981.9	6302.9	7362.4	8119.9
49°	1587.5	1598.7	1614.5	1897.3	2310.0	2879.0	3759.7	5005.2	6326.8	7377.4	8094.9
50°	1586.3	1587.1	1614.9	1892.2	2304.2	2842.3	3774.2	5024.8	6347.9	7392.4	8062.7
51°	1584.5	1461.0	1615.1	1784.7	2294.5	2845.5	3776.2	5040.2	6359.0	7400.2	8029.4
52°	1488.1	1416.2	1512.4	1770.2	2217.4	2839.5	3785.0	5038.9	6362.9	7401.3	7993.8
53°	1458.1	1407.1	1486.7	1778.9	2182.2	2858.6	3795.8	4997.0	6367.3	7393.5	7950.5
54°	1449.4	1388.7	1477.6	1786.8	2187.7	2860.6	3781.5	4958.9	6360.6	7374.1	7900.5
55°	1430.5	1241.1	1451.3	1707.8	2187.3	2861.3	3778.2	4944.8	6343.4	7347.4	7847.8
56°	1310.4	1240.3	1338.8	1676.5	2172.2	2857.3	3765.2	4935.3	6323.4	7319.1	7785.0
57°	1312.8	1168.1	1342.9	1677.2	2085.7	2807.9	3756.0	4921.2	6309.0	7282.5	7708.4
58°	1230.8	1096.9	1253.3	1622.8	2109.2	2801.0	3704.5	4885.9	6290.7	7237.5	7616.2
59°	1182.8	1099.8	1214.4	1569.9	2138.0	2801.3	3683.7	4852.0	6266.2	7184.7	7510.1
60°	1141.7	940.4	1174.9	1579.4	2157.0	2797.3	3653.5	4808.5	6228.5	7119.2	7393.5
61°	1100.6	942.5	1135.4	1496.7	2090.1	2777.0	3615.6	4772.2	6180.2	7045.3	7266.9
62°	1056.8	798.9	1093.9	1489.9	2087.0	2743.8	3573.1	4711.6	6100.2	6955.4	7125.9
63°	919.3	793.3	955.0	1448.1	2081.9	2741.5	3523.2	4638.5	5996.9	6849.9	6964.3
64°	910.4	619.8	936.2	1403.6	2056.3	2714.8	3469.0	4547.1	5870.8	6729.4	6778.2
65°	772.3	549.2	802.6	1347.8	2064.4	2647.4	3414.6	4456.0	5752.6	6592.2	6565.5
66°	671.1	444.5	691.6	1338.7	2030.6	2657.4	3347.9	4323.3	5619.8	6437.3	6332.3
67°	610.6	296.0	604.3	1268.4	2025.1	2674.0	3262.2	4179.4	5465.4	6263.4	6073.5
68°	483.0	147.5	498.5	1211.2	2019.5	2683.6	3154.7	3965.0	5288.5	6061.9	5802.5
69°	321.2	0.3	335.5	1154.1	2012.3	2627.4	3028.8	3730.4	5068.1	5834.2	5509.9
70°	311.1	0.3	322.7	1098.1	2021.9	2553.7	2835.6	3388.3	4800.6	5574.3	5191.7
71°	310.5	0.3	311.4	1082.2	2012.4	2484.7	2587.2	2991.0	4453.3	5289.3	4849.4
72°	295.4	0.3	288.2	1068.7	2051.2	2413.9	2354.7	2625.8	4079.5	4980.9	4512.9
73°	265.6	0.3	246.4	1027.1	2018.3	2301.0	2177.8	2296.9	3626.2	4627.9	4168.5
74°	228.7	0.3	195.4	1011.4	1971.8	2197.3	2021.4	1949.2	3143.2	4221.9	3818.0
75°	183.5	0.3	161.4	970.0	1924.2	2118.0	1782.2	1480.1	2639.7	3762.8	3431.5
76°	137.9	0.3	149.3	907.5	1822.2	2043.1	1350.6	915.8	2082.8	3263.0	3004.4
77°	104.8	0.3	166.1	825.8	1672.5	1964.6	919.0	441.5	1437.6	2711.0	2460.7
78°	113.3	0.3	189.9	729.7	1481.1	1798.0	492.1	289.8	815.5	2115.3	1764.4
79°	156.6	0.4	153.1	650.5	1251.4	1358.0	205.8	146.4	599.4	1535.5	1069.9
80°	164.3	0.5	116.3	608.3	1021.6	918.1	153.9	124.1	387.9	992.9	545.6
81°	131.7	0.5	79.5	569.1	794.8	478.3	102.9	108.1	176.5	542.3	437.7
82°	99.2	0.6	42.2	485.4	664.0	353.3	82.6	93.3	146.6	403.8	341.3
83°	66.7	0.7	22.2	313.5	514.2	228.3	67.0	79.3	126.2	275.7	244.9
84°	38.8	0.8	17.7	226.1	337.0	104.0	54.4	65.6	107.4	147.6	215.1
85°	23.5	0.9	13.1	138.6	240.9	86.1	43.0	52.3	88.2	116.1	187.2
86°	18.1	1.0	8.7	53.5	144.7	69.0	32.7	39.3	68.8	92.3	158.4
87°	12.7	1.2	7.3	31.3	49.4	51.1	23.9	26.2	51.6	72.0	125.9
88°	7.4	1.3	6.0	21.7	33.9	35.1	16.9	15.4	37.4	54.4	85.8
89°	4.6	1.5	4.1	12.1	18.4	19.1	9.9	6.7	23.2	42.4	48.4



REPORT NUMBER: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797  
 CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	3507.9	3507.9	3507.9
1°	3585.3	3594.0	3598.5
2°	3674.5	3694.0	3701.1
3°	3771.2	3802.4	3812.2
4°	3877.7	3923.0	3937.3
5°	3994.5	4054.6	4074.0
6°	4120.2	4199.1	4223.9
7°	4257.4	4352.9	4384.9
8°	4400.7	4518.4	4558.2
9°	4558.1	4696.1	4744.9
10°	4723.1	4887.0	4943.4
11°	4900.8	5091.5	5157.2
12°	5088.8	5306.9	5386.2
13°	5288.9	5539.2	5632.1
14°	5497.3	5782.5	5885.8
15°	5716.5	6033.5	6150.7
16°	5941.4	6292.3	6421.2
17°	6176.3	6555.5	6692.7
18°	6404.5	6816.0	6955.9
19°	6627.7	7064.2	7215.3
20°	6845.4	7303.6	7464.0
21°	7055.9	7531.8	7699.5
22°	7252.5	7743.4	7915.5
23°	7442.9	7952.7	8125.4
24°	7626.2	8156.0	8319.8
25°	7808.3	8346.5	8506.4
26°	7988.8	8523.6	8664.6
27°	8158.8	8674.6	8803.5
28°	8308.7	8805.7	8930.6
29°	8447.5	8939.0	9065.6
30°	8588.6	9088.9	9225.0
31°	8735.7	9226.6	9355.5
32°	8866.2	9326.0	9452.6
33°	8954.0	9372.7	9486.0
34°	8993.4	9361.0	9454.3
35°	8977.9	9289.4	9366.6
36°	8927.9	9186.1	9253.8
37°	8847.3	9079.5	9153.3
38°	8771.8	9010.6	9097.8
39°	8722.4	8971.7	9065.6
40°	8691.3	8950.1	9041.7
41°	8671.3	8931.8	9013.9
42°	8649.7	8910.7	8978.4
43°	8628.0	8886.8	8933.4
44°	8606.3	8855.1	8878.4



REPORT NUMBER: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	8580.2	8811.8	8812.4
46°	8550.8	8757.9	8739.6
47°	8518.0	8699.1	8663.0
48°	8478.1	8635.2	8583.6
49°	8426.4	8570.8	8504.7
50°	8364.2	8504.2	8420.9
51°	8296.5	8430.3	8325.9
52°	8220.4	8344.8	8218.2
53°	8141.5	8240.9	8098.8
54°	8059.4	8118.2	7962.2
55°	7972.2	7973.3	7806.7
56°	7870.0	7808.3	7626.2
57°	7750.0	7624.5	7423.0
58°	7605.1	7406.9	7194.2
59°	7445.2	7170.8	6944.3
60°	7265.8	6914.8	6656.6
61°	7061.4	6624.4	6295.7
62°	6835.4	6272.9	5867.0
63°	6585.5	5867.0	5380.3
64°	6315.1	5424.6	4883.8
65°	6009.7	4986.9	4431.9
66°	5679.8	4579.3	4040.2
67°	5339.1	4213.5	3732.2
68°	4987.6	3881.3	3484.7
69°	4654.6	3584.9	3238.5
70°	4337.0	3292.2	2854.9
71°	4007.6	2930.8	2246.0
72°	3648.3	2426.6	1526.7
73°	3288.1	1790.8	892.4
74°	2908.8	1186.9	503.9
75°	2428.7	722.2	420.4
76°	1912.5	579.8	347.4
77°	1462.7	438.6	274.4
78°	1105.1	297.3	245.2
79°	816.3	257.3	225.5
80°	551.0	229.8	207.8
81°	443.7	206.3	191.1
82°	337.6	186.6	175.2
83°	231.5	170.8	159.1
84°	193.9	152.3	142.3
85°	153.4	132.5	125.6
86°	122.6	114.4	108.3
87°	100.2	97.1	90.4
88°	79.4	80.2	74.1
89°	59.0	63.4	61.1



REPORT NUMBER: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436797

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)