

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: P1436795

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436795
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-120W-T3)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 3
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

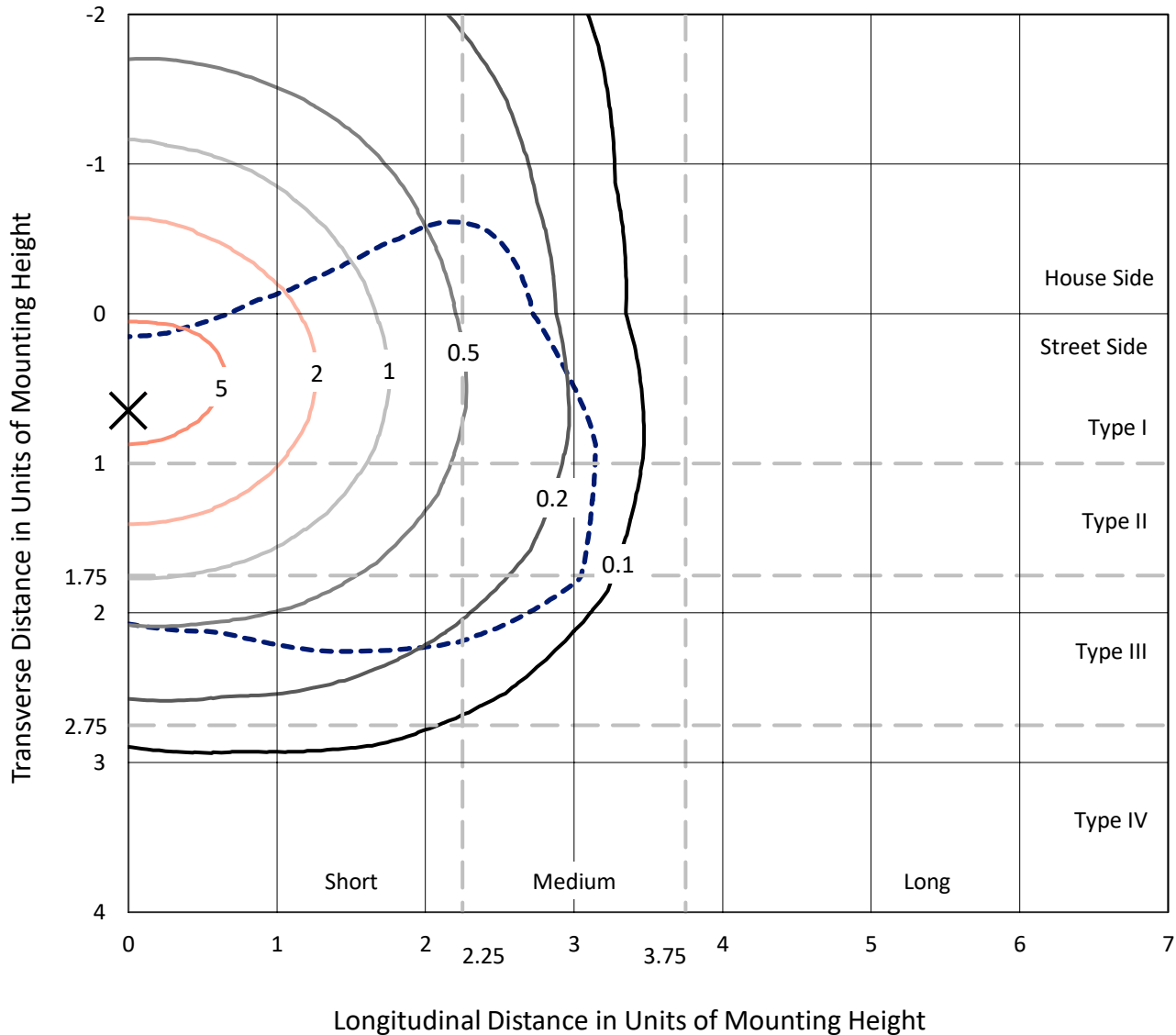
Lumens per Lamp: 45292 (1 lamp)
Luminaire Lumens: 20730.2 lumens
Efficiency: 45.8%
Efficacy: 168.3 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 123.2
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

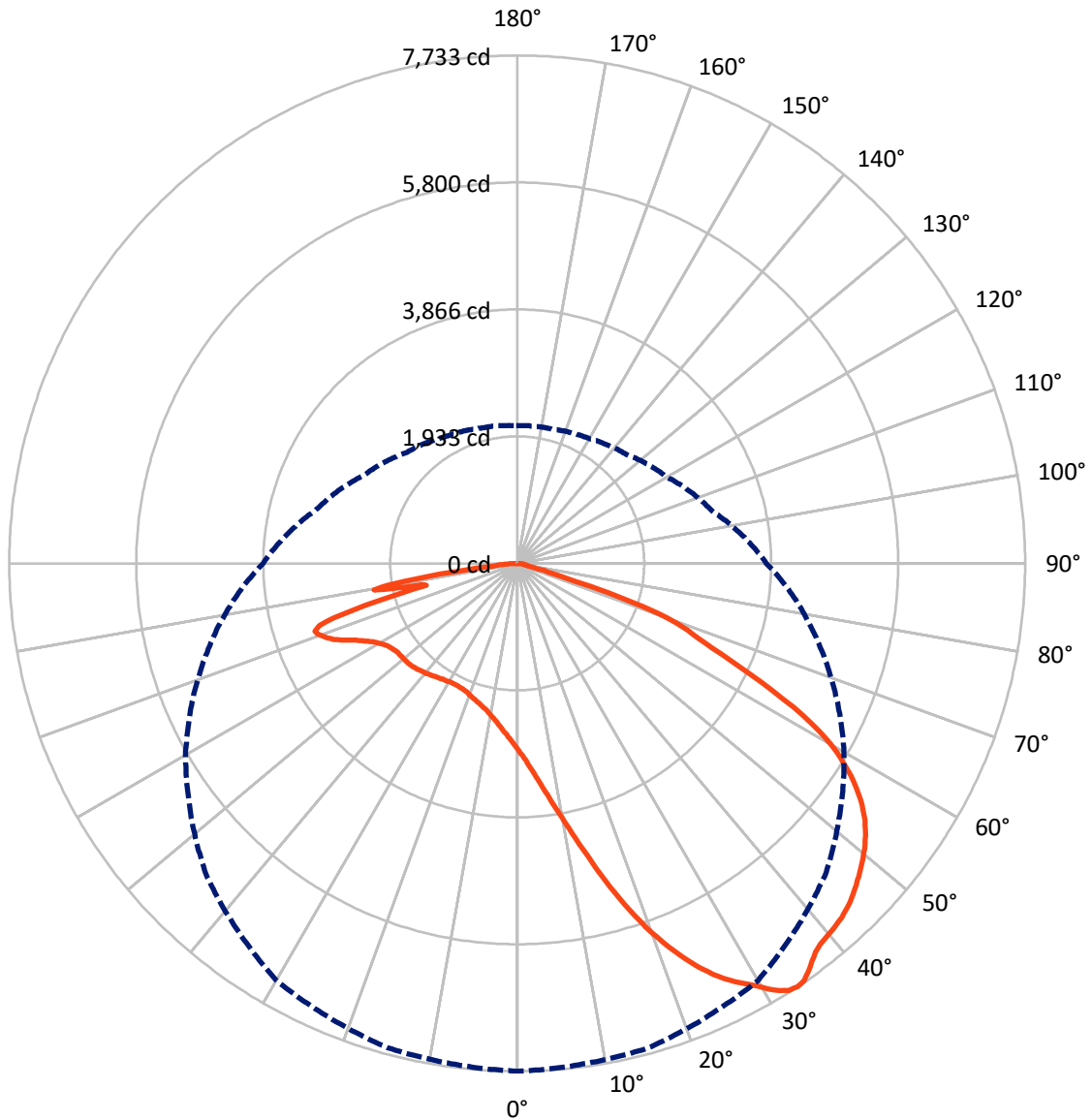
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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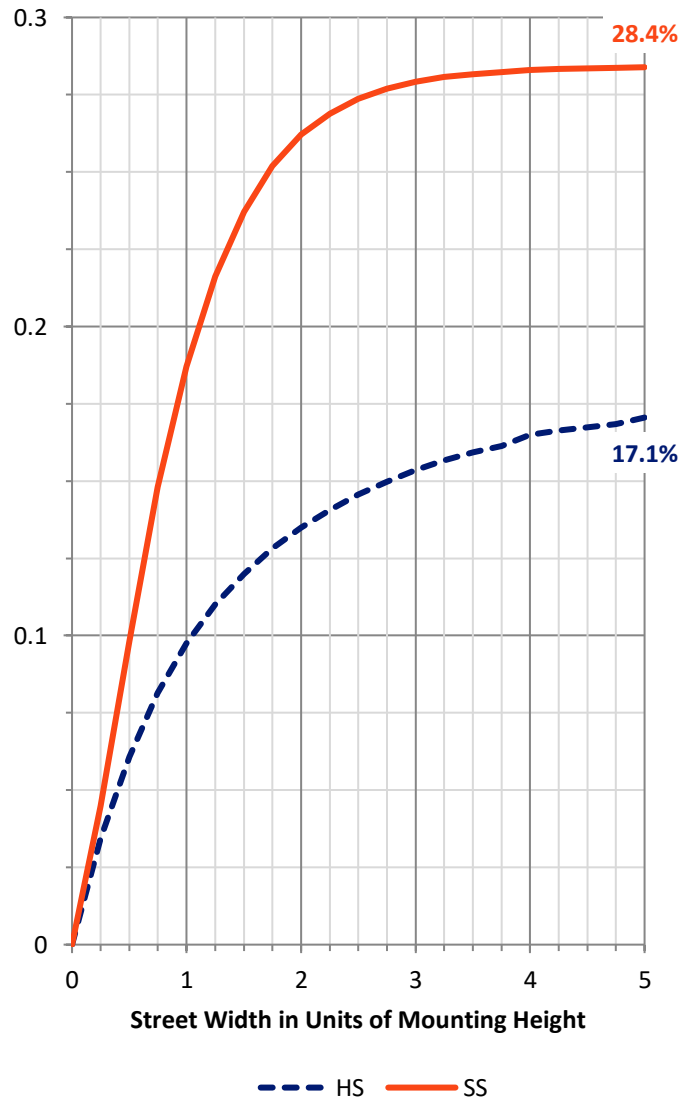
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7860.9	0.0	7860.9
	% Lamp	17.4	0.0	17.4
Street Side	Lumens	12869.3	0.0	12869.3
	% Lamp	28.4	0.0	28.4
Total	Lumens	20730.2	0.0	20730.2
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	282.9	1.4	0.6
10°-20°	961.5	4.6	2.1
20°-30°	1862.0	9.0	4.1
30°-40°	2815.2	13.6	6.2
40°-50°	3553.1	17.1	7.8
50°-60°	4098.6	19.8	9.0
60°-70°	4085.7	19.7	9.0
70°-80°	2664.4	12.9	5.9
80°-90°	406.8	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°	20730.2	100.0	45.8
0°-180°	20730.2	100.0	45.8

Coefficient of Utilization



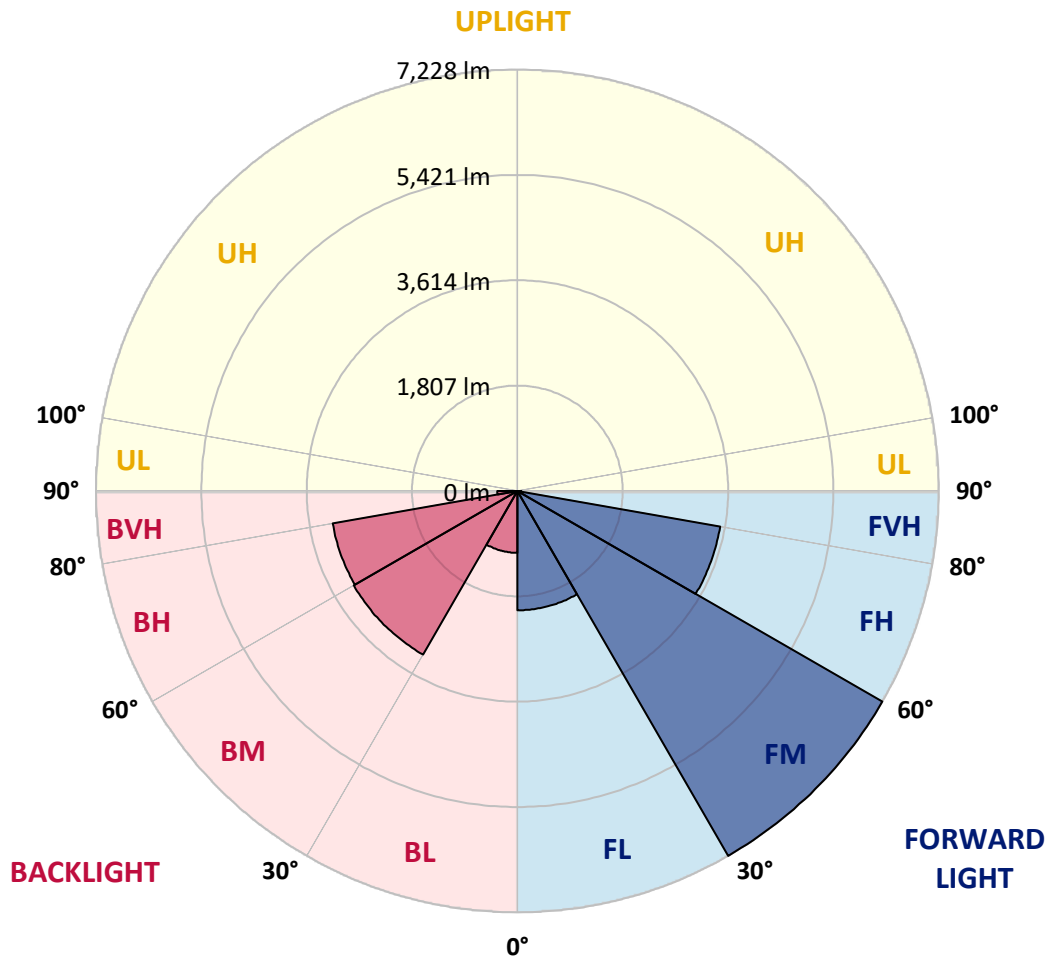
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2045.7	4.5			
FM (30°-60°)	7227.8	16.0			
FH (60°-80°)	3533.2	7.8			G2/5000
FVH (80°-90°)	62.6	0.1			G1/100
BL (0°-30°)	1060.6	2.3	B3/2500		
BM (30°-60°)	3239.1	7.2	B3/5000		
BH (60°-80°)	3217.0	7.1	B4/5000		G4/5000
BVH (80°-90°)	344.2	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	24561.8	54.2			

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°	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5
1°	2925.7	2924.8	2918.0	2908.3	2894.5	2878.1	2845.9	2827.7	2812.3	2799.3	2790.1
2°	3007.4	3003.4	2988.0	2963.0	2932.1	2897.4	2846.4	2810.4	2779.2	2753.2	2735.0
3°	3098.2	3089.2	3063.0	3023.1	2973.7	2919.4	2849.1	2796.1	2749.5	2711.7	2684.4
4°	3199.8	3185.0	3147.6	3091.3	3020.6	2945.3	2855.0	2784.3	2723.8	2674.2	2639.9
5°	3309.6	3291.2	3239.8	3163.1	3073.0	2975.3	2864.3	2776.1	2700.1	2640.9	2598.7
6°	3431.7	3407.9	3342.3	3244.7	3129.2	3006.7	2874.5	2769.1	2679.8	2610.3	2558.1
7°	3562.2	3535.4	3454.0	3332.4	3189.2	3040.9	2886.1	2763.6	2661.1	2579.6	2519.0
8°	3703.2	3667.8	3572.3	3427.2	3254.2	3077.9	2900.6	2760.1	2644.0	2550.5	2483.7
9°	3855.2	3814.0	3701.5	3528.2	3323.4	3118.4	2917.3	2757.7	2626.6	2523.8	2450.4
10°	4018.2	3969.4	3835.8	3637.3	3398.4	3161.9	2935.9	2756.9	2611.1	2500.1	2419.9
11°	4195.0	4137.6	3983.0	3753.0	3477.0	3208.4	2955.6	2757.4	2595.9	2477.3	2391.9
12°	4378.7	4313.5	4137.9	3873.7	3561.6	3258.0	2978.0	2760.0	2583.3	2456.4	2367.2
13°	4579.3	4506.0	4300.4	4001.6	3651.2	3310.4	3003.2	2763.8	2572.3	2436.8	2344.5
14°	4790.8	4706.6	4473.6	4136.9	3745.9	3366.5	3032.1	2769.5	2562.1	2419.3	2324.2
15°	5007.3	4912.5	4651.2	4276.4	3842.7	3424.1	3061.9	2777.4	2554.5	2403.5	2306.8
16°	5227.9	5121.3	4833.4	4421.7	3945.1	3485.3	3094.0	2787.1	2548.6	2389.4	2289.8
17°	5449.0	5330.9	5016.9	4567.4	4051.3	3551.4	3127.6	2797.7	2543.6	2377.3	2275.6
18°	5665.9	5540.1	5201.8	4715.7	4160.2	3619.2	3163.5	2810.7	2540.1	2367.2	2262.8
19°	5877.8	5742.8	5382.1	4863.6	4267.6	3688.3	3200.6	2825.5	2539.8	2358.3	2252.0
20°	6080.1	5940.5	5557.9	5008.2	4377.2	3758.7	3239.2	2841.5	2540.8	2352.0	2242.9
21°	6273.3	6130.5	5728.6	5152.4	4487.1	3831.5	3278.1	2858.3	2542.8	2347.0	2234.1
22°	6449.1	6306.2	5888.8	5292.0	4595.8	3904.0	3317.8	2876.2	2547.1	2343.0	2226.5
23°	6620.7	6478.3	6045.4	5428.4	4707.5	3979.3	3356.8	2893.7	2551.8	2340.6	2221.1
24°	6779.5	6638.5	6197.8	5559.3	4813.2	4051.9	3396.0	2911.0	2557.3	2339.0	2215.7
25°	6931.5	6794.6	6345.2	5688.3	4917.1	4125.3	3435.3	2927.0	2563.9	2338.6	2211.0
26°	7062.4	6932.4	6488.4	5813.8	5020.6	4201.9	3474.8	2944.1	2571.5	2338.2	2206.4
27°	7177.3	7055.1	6625.3	5934.1	5125.4	4278.8	3515.0	2961.1	2578.8	2338.2	2202.2
28°	7280.7	7163.5	6750.2	6055.9	5225.2	4354.4	3556.9	2977.5	2585.8	2338.8	2198.6
29°	7389.6	7267.9	6867.4	6174.0	5323.1	4434.3	3600.5	2994.9	2592.8	2339.0	2196.5
30°	7521.0	7392.4	6987.3	6293.4	5420.6	4516.4	3646.3	3013.5	2601.0	2339.4	2195.6
31°	7628.6	7507.7	7114.1	6415.6	5522.2	4596.7	3693.7	3032.7	2610.0	2341.2	2194.9
32°	7706.8	7596.5	7233.1	6536.0	5629.8	4676.4	3742.9	3053.7	2619.7	2344.2	2194.6
33°	7732.9	7645.0	7332.4	6651.8	5744.6	4756.0	3793.5	3073.6	2629.0	2347.2	2194.1
34°	7707.3	7635.9	7393.8	6759.4	5856.8	4846.6	3845.6	3097.8	2638.1	2351.1	2194.1
35°	7635.0	7575.9	7400.6	6840.4	5950.2	4941.8	3899.5	3123.5	2648.7	2356.4	2196.0
36°	7541.1	7497.2	7362.2	6887.1	6033.0	5036.1	3954.6	3150.5	2661.6	2363.1	2201.6
37°	7458.7	7405.7	7300.8	6893.5	6093.4	5113.5	4011.0	3175.0	2675.4	2372.6	2210.9
38°	7412.5	7343.9	7237.2	6869.2	6134.2	5180.3	4068.7	3199.4	2690.0	2385.6	2224.5
39°	7385.5	7310.9	7188.2	6839.0	6149.3	5232.9	4127.0	3225.6	2705.8	2401.8	2239.6
40°	7364.5	7288.9	7161.7	6818.4	6144.2	5267.7	4176.9	3253.5	2723.3	2420.8	2256.7
41°	7340.7	7271.1	7146.6	6806.5	6142.8	5286.0	4216.1	3285.6	2743.2	2441.9	2273.6
42°	7310.9	7251.4	7135.6	6806.1	6151.1	5302.0	4244.9	3313.1	2764.4	2463.8	2289.3
43°	7273.8	7229.0	7122.8	6814.8	6164.4	5322.6	4265.5	3335.0	2789.0	2487.7	2303.2
44°	7229.0	7201.5	7107.2	6824.8	6181.3	5353.8	4285.1	3354.9	2814.1	2511.3	2316.0



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7174.1	7166.3	7087.5	6831.7	6204.6	5387.6	4308.5	3377.3	2839.4	2535.3	2327.2
46°	7113.2	7124.2	7062.8	6834.4	6230.3	5421.5	4335.8	3401.1	2864.5	2558.7	2336.8
47°	7049.6	7077.5	7032.2	6832.6	6258.6	5456.3	4363.8	3428.4	2889.0	2580.5	2346.0
48°	6984.6	7029.0	6997.8	6824.8	6283.8	5489.7	4391.8	3458.0	2915.0	2601.6	2355.3
49°	6918.7	6975.4	6954.8	6812.5	6306.2	5522.7	4418.6	3489.9	2942.0	2621.7	2366.9
50°	6848.2	6919.6	6908.1	6794.6	6323.6	5553.3	4444.5	3525.3	2968.8	2639.8	2379.7
51°	6770.4	6856.4	6855.5	6772.6	6339.2	5580.8	4467.3	3560.9	2995.4	2658.9	2395.2
52°	6682.0	6782.7	6796.4	6745.2	6352.0	5605.5	4487.5	3595.1	3021.4	2678.6	2412.7
53°	6583.6	6699.4	6735.1	6715.0	6358.4	5625.6	4505.5	3629.5	3051.5	2700.4	2434.4
54°	6467.8	6599.2	6668.3	6677.4	6359.8	5642.1	4521.2	3662.0	3084.7	2724.4	2458.2
55°	6341.0	6480.6	6593.7	6632.1	6357.1	5654.5	4535.2	3693.5	3118.0	2752.0	2484.7
56°	6192.7	6345.2	6507.2	6579.5	6347.4	5662.3	4548.1	3725.4	3152.8	2782.7	2511.9
57°	6025.7	6191.8	6406.9	6519.1	6331.0	5665.5	4557.4	3755.9	3191.3	2817.3	2541.3
58°	5835.7	6017.0	6291.1	6449.5	6304.4	5663.2	4562.2	3783.9	3231.8	2855.0	2575.1
59°	5633.9	5824.3	6162.5	6373.1	6269.6	5654.5	4563.2	3807.4	3273.9	2895.4	2611.0
60°	5391.8	5611.0	6018.4	6286.1	6224.8	5637.5	4559.5	3830.5	3315.9	2938.7	2650.3
61°	5094.7	5366.6	5856.3	6185.4	6168.0	5609.2	4548.7	3850.4	3361.8	2986.3	2693.2
62°	4742.7	5072.3	5675.1	6068.7	6103.5	5568.9	4529.9	3865.5	3409.1	3038.3	2740.1
63°	4344.3	4743.2	5465.4	5937.3	6028.0	5523.1	4510.3	3875.7	3456.2	3094.3	2788.6
64°	3940.6	4387.0	5234.8	5790.0	5939.6	5466.4	4483.0	3879.9	3499.9	3155.9	2841.6
65°	3562.8	4030.9	4973.0	5623.8	5841.7	5397.7	4445.1	3878.0	3542.2	3222.5	2904.1
66°	3241.5	3690.8	4697.4	5435.2	5728.6	5320.4	4391.9	3870.6	3577.5	3292.1	2980.2
67°	2990.2	3377.9	4419.0	5222.9	5593.1	5220.1	4317.7	3846.5	3612.9	3366.5	3067.0
68°	2789.7	3105.6	4134.2	4987.1	5440.3	5090.6	4210.1	3803.1	3643.5	3446.2	3165.3
69°	2586.3	2873.2	3850.9	4729.5	5258.1	4932.7	4050.9	3722.2	3669.4	3530.5	3276.7
70°	2267.6	2638.3	3569.1	4457.1	5044.4	4736.8	3813.5	3581.1	3684.6	3619.5	3399.1
71°	1769.6	2331.0	3297.2	4181.2	4804.5	4484.2	3490.6	3374.3	3675.9	3714.2	3530.3
72°	1175.3	1902.8	3020.2	3907.1	4534.7	4187.5	3135.7	3123.2	3635.0	3808.9	3652.9
73°	659.2	1379.5	2721.4	3632.8	4243.1	3831.1	2784.0	2874.5	3553.5	3907.1	3783.8
74°	500.2	863.1	2384.9	3349.2	3911.7	3428.5	2450.6	2672.7	3441.9	3993.3	3917.8
75°	344.7	484.6	2011.1	3033.4	3555.4	2975.3	2069.4	2489.8	3314.5	4046.1	4023.1
76°	189.1	378.1	1590.5	2681.9	3153.8	2500.3	1530.7	2207.6	3215.1	4044.6	4086.4
77°	159.4	278.0	1187.7	2232.7	2699.6	1947.6	992.1	1742.8	3134.7	3976.0	4065.7
78°	138.9	177.9	873.0	1687.8	2191.2	1334.1	458.8	1242.8	3033.0	3817.3	3890.9
79°	124.4	150.2	629.5	1083.2	1652.8	763.1	201.9	742.8	2771.0	3532.1	3472.1
80°	111.8	130.5	443.3	580.7	1144.2	388.5	141.7	250.8	2229.9	3065.2	3000.1
81°	99.8	113.5	313.9	443.0	657.9	267.6	122.5	163.0	1583.9	2485.9	2604.9
82°	88.4	99.0	186.0	313.2	476.3	152.1	107.8	132.4	937.8	1896.3	2333.2
83°	76.6	86.8	150.1	183.4	301.2	123.8	93.0	109.4	305.8	1435.1	2184.0
84°	65.0	73.6	123.5	157.1	126.2	103.7	78.2	86.4	203.1	1101.6	1654.5
85°	53.1	60.8	92.6	134.7	97.6	84.4	64.4	68.5	166.0	768.0	1125.0
86°	40.9	48.4	65.0	112.2	75.6	64.3	50.5	52.9	133.9	434.9	596.0
87°	28.7	36.5	48.4	86.4	56.1	46.3	36.4	39.3	101.9	300.2	322.0
88°	16.5	24.6	33.7	57.1	39.0	32.2	23.2	27.2	70.1	165.7	241.5
89°	7.7	12.7	19.0	30.3	21.9	18.2	16.2	18.9	47.4	33.0	161.0



REPORT NUMBER: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5	2852.5
1°	2785.6	2785.7	2790.5	2799.9	2813.1	2829.7	2847.1	2851.8	2869.3	2886.8	2901.8
2°	2724.6	2723.1	2730.6	2747.2	2771.5	2801.7	2836.0	2857.9	2894.0	2929.8	2960.3
3°	2669.7	2666.7	2676.2	2697.9	2732.1	2775.5	2826.3	2866.3	2921.7	2976.6	3024.5
4°	2620.4	2615.7	2627.3	2654.0	2696.3	2751.8	2817.4	2875.7	2950.7	3027.2	3096.0
5°	2572.7	2567.2	2581.0	2612.5	2662.9	2728.3	2810.0	2886.6	2981.7	3081.3	3171.2
6°	2527.3	2519.3	2534.7	2572.1	2630.8	2707.9	2804.5	2900.2	3015.3	3137.8	3252.6
7°	2483.3	2474.2	2491.4	2533.0	2599.2	2688.9	2799.5	2914.3	3052.1	3199.3	3340.2
8°	2443.4	2432.4	2451.1	2498.1	2569.2	2669.6	2795.6	2929.4	3090.1	3265.2	3432.7
9°	2405.1	2392.6	2412.9	2463.3	2542.0	2650.7	2793.0	2946.2	3130.6	3334.7	3533.4
10°	2370.3	2356.8	2377.5	2430.9	2516.4	2633.9	2792.5	2965.5	3175.1	3408.3	3640.3
11°	2338.8	2323.8	2345.7	2401.8	2492.8	2619.9	2794.1	2988.2	3224.1	3488.0	3754.2
12°	2312.0	2294.2	2316.0	2375.1	2470.9	2608.2	2798.1	3013.2	3276.0	3572.2	3875.2
13°	2287.5	2267.3	2290.8	2350.4	2450.6	2598.3	2803.8	3039.2	3329.9	3663.4	4004.0
14°	2264.2	2243.1	2267.1	2329.9	2432.5	2590.0	2810.5	3066.7	3386.3	3757.9	4140.5
15°	2244.4	2221.7	2245.4	2310.7	2417.3	2583.3	2818.5	3097.1	3444.7	3856.7	4280.5
16°	2225.9	2202.1	2226.5	2293.1	2404.8	2577.9	2828.7	3130.3	3506.7	3959.6	4427.8
17°	2209.0	2184.8	2209.9	2279.0	2394.9	2575.4	2841.8	3164.4	3572.7	4067.8	4577.5
18°	2194.2	2168.5	2195.4	2266.0	2385.9	2574.9	2856.3	3201.0	3639.9	4176.4	4731.3
19°	2180.2	2151.8	2181.8	2256.4	2378.6	2576.6	2873.0	3239.5	3709.5	4287.5	4882.3
20°	2165.8	2134.7	2169.2	2248.6	2373.4	2580.7	2890.9	3278.7	3780.1	4401.2	5031.1
21°	2151.0	2119.6	2157.0	2242.8	2370.4	2587.2	2910.9	3319.0	3854.0	4515.8	5177.5
22°	2137.7	2105.2	2146.5	2238.1	2368.6	2594.2	2931.4	3358.9	3928.1	4630.1	5316.2
23°	2126.3	2093.3	2136.9	2234.3	2368.5	2602.2	2951.3	3399.6	4006.0	4743.6	5455.4
24°	2116.3	2084.1	2128.7	2231.0	2368.8	2611.6	2970.8	3439.5	4082.5	4855.8	5586.3
25°	2109.0	2077.2	2122.5	2229.5	2368.9	2620.8	2990.7	3481.1	4159.0	4964.7	5714.4
26°	2104.2	2072.7	2119.3	2227.9	2369.7	2630.2	3011.0	3522.0	4236.3	5069.5	5840.8
27°	2101.4	2070.5	2118.2	2226.1	2370.2	2639.1	3030.1	3565.1	4315.3	5177.1	5969.4
28°	2100.8	2071.0	2119.0	2224.1	2371.2	2648.3	3050.1	3609.8	4396.6	5281.4	6100.3
29°	2101.4	2073.2	2120.8	2223.1	2373.1	2656.2	3070.7	3657.1	4482.6	5386.3	6225.7
30°	2103.0	2076.7	2123.2	2222.0	2375.1	2664.5	3092.8	3706.5	4567.3	5496.1	6349.7
31°	2105.6	2081.9	2125.3	2221.1	2378.3	2672.6	3116.4	3758.9	4659.4	5611.5	6479.7
32°	2109.1	2088.7	2128.1	2220.0	2381.4	2680.4	3140.4	3813.5	4751.9	5724.5	6594.1
33°	2112.6	2096.6	2131.7	2219.9	2385.4	2689.2	3164.8	3871.4	4848.5	5831.6	6700.8
34°	2117.0	2104.2	2135.5	2220.8	2390.0	2697.9	3191.2	3931.1	4941.4	5928.6	6788.2
35°	2121.6	2113.5	2140.0	2223.6	2396.1	2709.2	3220.4	3990.3	5025.6	6015.6	6845.4
36°	2127.5	2124.2	2145.3	2229.8	2403.8	2721.0	3248.6	4044.3	5106.1	6080.1	6863.3
37°	2134.1	2134.6	2151.3	2241.3	2414.6	2734.2	3273.4	4098.1	5173.9	6114.5	6855.9
38°	2140.1	2146.2	2156.8	2255.8	2430.2	2748.4	3297.2	4150.9	5220.6	6124.5	6828.9
39°	2145.6	2158.7	2161.2	2273.1	2448.8	2763.5	3316.8	4192.6	5251.2	6124.5	6799.2
40°	2151.9	2172.2	2165.9	2291.0	2469.4	2779.1	3338.6	4225.0	5267.3	6123.6	6783.6
41°	2157.9	2182.1	2171.3	2306.6	2491.5	2796.9	3357.6	4252.8	5279.6	6130.5	6784.5
42°	2163.4	2193.3	2177.5	2322.1	2514.9	2816.1	3378.5	4277.7	5299.8	6143.3	6795.5
43°	2168.7	2204.6	2185.0	2335.5	2538.0	2837.2	3402.3	4303.7	5332.3	6161.6	6810.2
44°	2173.6	2216.0	2192.3	2349.2	2560.5	2861.0	3427.8	4331.0	5367.5	6186.8	6822.5



REPORT NUMBER: P1436795

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2179.2	2226.2	2199.5	2361.4	2583.1	2887.8	3452.8	4358.1	5401.8	6217.5	6830.8
46°	2184.7	2235.2	2206.7	2372.0	2603.7	2916.4	3478.2	4385.0	5433.4	6249.5	6832.1
47°	2192.6	2243.6	2215.5	2381.8	2623.8	2947.1	3507.1	4413.4	5464.1	6280.2	6828.0
48°	2203.5	2248.3	2226.9	2392.1	2641.9	2978.3	3540.8	4438.3	5496.1	6306.2	6818.4
49°	2215.8	2252.1	2240.5	2403.4	2659.9	3008.1	3575.0	4460.7	5527.7	6328.2	6804.7
50°	2228.7	2256.3	2255.8	2417.3	2677.6	3036.5	3609.9	4480.6	5557.0	6343.3	6785.9
51°	2243.3	2260.2	2272.6	2433.3	2696.1	3063.9	3645.1	4497.6	5581.7	6352.5	6764.0
52°	2260.3	2263.2	2290.5	2452.0	2716.8	3092.2	3680.1	4513.8	5601.4	6358.0	6736.9
53°	2279.9	2266.4	2310.1	2473.4	2739.7	3121.7	3714.3	4528.6	5616.0	6359.8	6704.4
54°	2301.6	2273.1	2331.1	2498.4	2766.0	3154.1	3746.0	4540.6	5624.7	6356.1	6666.5
55°	2326.0	2283.3	2354.7	2525.3	2795.4	3188.8	3774.1	4549.4	5628.4	6345.6	6623.0
56°	2353.1	2298.2	2381.6	2554.2	2828.6	3227.4	3802.0	4557.2	5625.6	6327.3	6569.0
57°	2383.0	2316.9	2410.6	2586.2	2866.1	3268.5	3826.3	4561.7	5617.4	6303.0	6502.6
58°	2414.9	2341.8	2443.4	2621.3	2908.2	3310.8	3848.1	4563.7	5604.1	6266.9	6423.4
59°	2452.1	2372.0	2478.0	2660.2	2953.7	3352.8	3868.3	4557.4	5583.5	6222.9	6336.5
60°	2489.4	2408.4	2514.8	2701.7	3002.4	3395.7	3884.6	4545.4	5552.4	6172.1	6241.7
61°	2528.1	2452.8	2555.5	2749.1	3055.9	3437.0	3895.6	4533.3	5515.3	6112.6	6138.3
62°	2570.3	2505.1	2602.8	2798.4	3113.2	3478.8	3900.9	4517.9	5471.4	6040.8	6022.9
63°	2624.2	2565.6	2660.8	2846.0	3173.6	3519.6	3903.9	4494.4	5415.6	5955.6	5889.7
64°	2687.4	2637.5	2726.7	2900.7	3240.5	3558.1	3899.2	4461.2	5349.2	5860.0	5730.5
65°	2759.4	2722.2	2800.6	2967.9	3310.0	3595.4	3885.9	4407.3	5267.3	5746.5	5548.7
66°	2842.2	2818.1	2884.4	3048.5	3382.6	3632.2	3862.5	4329.2	5159.2	5615.6	5346.4
67°	2939.0	2921.7	2980.8	3136.9	3457.5	3659.8	3817.8	4222.5	5022.8	5470.9	5129.9
68°	3042.2	3024.5	3085.5	3236.7	3537.3	3674.6	3745.7	4061.0	4859.4	5298.4	4894.7
69°	3143.8	3098.6	3181.6	3348.7	3620.3	3678.1	3622.8	3823.3	4669.0	5096.1	4641.6
70°	3235.3	3165.0	3267.5	3472.0	3707.6	3661.1	3418.5	3503.4	4426.3	4865.4	4366.5
71°	3320.3	3225.8	3348.9	3598.4	3796.9	3618.7	3152.9	3139.1	4120.3	4603.1	4080.2
72°	3396.6	3248.1	3418.4	3722.8	3886.7	3548.5	2899.0	2789.1	3772.3	4318.3	3792.3
73°	3428.2	3158.8	3443.8	3851.2	3963.5	3441.5	2704.7	2457.6	3363.4	3988.1	3495.3
74°	3358.6	2913.6	3349.7	3969.0	3999.5	3320.0	2534.5	2096.7	2927.9	3615.2	3187.1
75°	3147.1	2409.9	3098.7	4059.1	3993.3	3222.5	2257.5	1574.9	2447.4	3206.7	2848.5
76°	2766.1	1819.3	2704.9	4095.6	3924.9	3167.8	1772.4	964.9	1918.1	2768.3	2462.5
77°	2240.2	1422.1	2203.9	4047.3	3788.8	3086.3	1257.5	448.1	1327.7	2277.5	1973.3
78°	1874.3	1503.4	1913.3	3808.6	3568.7	2825.0	742.6	336.0	756.5	1752.8	1346.8
79°	1958.1	1922.9	2076.1	3352.2	3223.9	2308.9	229.0	231.9	378.7	1251.5	771.7
80°	2390.9	2216.3	2477.4	2841.2	2753.8	1630.6	162.5	127.8	262.6	765.4	379.6
81°	2546.4	2001.1	2486.2	2385.2	2181.9	952.2	132.0	109.8	153.0	388.7	287.7
82°	2010.3	1455.8	1835.8	2194.5	1638.0	284.1	112.0	95.3	125.2	257.0	198.1
83°	1454.0	910.4	1221.1	1965.7	1246.9	202.3	92.1	81.3	106.2	132.7	170.4
84°	897.7	370.9	615.0	1453.3	855.8	169.2	72.3	67.2	88.1	104.2	147.6
85°	350.8	296.9	334.4	941.0	469.1	138.4	56.9	52.8	68.9	80.2	125.5
86°	246.8	222.9	232.0	436.4	326.6	107.4	43.1	39.7	50.7	60.5	101.8
87°	142.7	149.0	129.6	349.5	184.1	76.5	30.9	26.6	36.3	43.2	73.9
88°	41.5	75.0	28.2	262.7	43.9	58.0	21.4	13.5	21.9	34.9	40.7
89°	21.6	1.3	14.9	175.8	23.1	39.5	12.0	4.4	7.5	26.6	30.9



REPORT NUMBER: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2852.5	2852.5	2852.5
1°	2913.7	2922.6	2925.7
2°	2985.2	3001.6	3007.4
3°	3064.1	3090.2	3098.2
4°	3150.5	3187.7	3199.8
5°	3246.2	3294.4	3309.6
6°	3349.0	3412.4	3431.7
7°	3459.1	3537.0	3562.2
8°	3577.5	3670.4	3703.2
9°	3702.8	3817.0	3855.2
10°	3838.1	3973.1	4018.2
11°	3985.2	4141.8	4195.0
12°	4138.5	4316.5	4378.7
13°	4303.0	4508.0	4579.3
14°	4474.2	4706.1	4790.8
15°	4652.1	4909.3	5007.3
16°	4836.1	5123.5	5227.9
17°	5025.6	5338.7	5449.0
18°	5214.6	5549.7	5665.9
19°	5398.2	5752.4	5877.8
20°	5574.8	5948.3	6080.1
21°	5744.6	6133.2	6273.3
22°	5905.3	6305.3	6449.1
23°	6060.5	6477.4	6620.7
24°	6209.7	6641.7	6779.5
25°	6358.4	6801.0	6931.5
26°	6507.2	6940.6	7062.4
27°	6650.0	7064.7	7177.3
28°	6778.6	7173.6	7280.7
29°	6901.3	7282.1	7389.6
30°	7021.2	7405.2	7521.0
31°	7143.4	7517.8	7628.6
32°	7255.1	7598.8	7706.8
33°	7333.8	7635.4	7732.9
34°	7372.2	7622.6	7707.3
35°	7365.8	7561.7	7635.0
36°	7328.3	7476.6	7541.1
37°	7263.3	7390.1	7458.7
38°	7205.6	7334.3	7412.5
39°	7170.9	7303.1	7385.5
40°	7151.2	7284.8	7364.5
41°	7140.2	7269.3	7340.7
42°	7128.7	7252.8	7310.9
43°	7115.9	7231.3	7273.8
44°	7101.7	7204.7	7229.0

REPORT NUMBER: P1436795

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7083.0	7168.1	7174.1
46°	7060.5	7123.7	7113.2
47°	7033.5	7073.8	7049.6
48°	6999.7	7020.3	6984.6
49°	6958.5	6967.2	6918.7
50°	6910.9	6911.3	6848.2
51°	6855.0	6852.7	6770.4
52°	6791.9	6780.4	6682.0
53°	6727.8	6694.4	6583.6
54°	6660.1	6591.4	6467.8
55°	6585.0	6470.6	6341.0
56°	6498.0	6336.5	6192.7
57°	6395.0	6184.0	6025.7
58°	6275.6	6005.5	5835.7
59°	6141.9	5810.1	5633.9
60°	5990.0	5596.3	5391.8
61°	5816.0	5351.5	5094.7
62°	5626.6	5063.1	4742.7
63°	5423.3	4733.6	4344.3
64°	5193.6	4367.6	3940.6
65°	4940.5	4015.3	3562.8
66°	4661.7	3684.0	3241.5
67°	4379.0	3378.5	2990.2
68°	4091.3	3111.1	2789.7
69°	3816.5	2867.1	2586.3
70°	3551.8	2628.4	2267.6
71°	3277.6	2327.6	1769.6
72°	2973.2	1898.0	1175.3
73°	2665.8	1376.3	659.2
74°	2337.8	884.3	500.2
75°	1927.1	514.0	344.7
76°	1494.2	402.2	189.1
77°	1132.8	292.0	159.4
78°	835.1	181.9	138.9
79°	601.0	151.1	124.4
80°	458.6	130.3	111.8
81°	316.7	112.9	99.8
82°	174.8	98.9	88.4
83°	143.3	87.9	76.6
84°	115.3	74.3	65.0
85°	82.6	59.7	53.1
86°	60.5	47.0	40.9
87°	43.7	34.9	28.7
88°	28.4	22.8	16.5
89°	13.1	10.7	7.7



REPORT NUMBER: P1436795
CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1436795
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)