

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: P1436772

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436772
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-120W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 16720.7 lumens
Efficiency: 43.2%
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

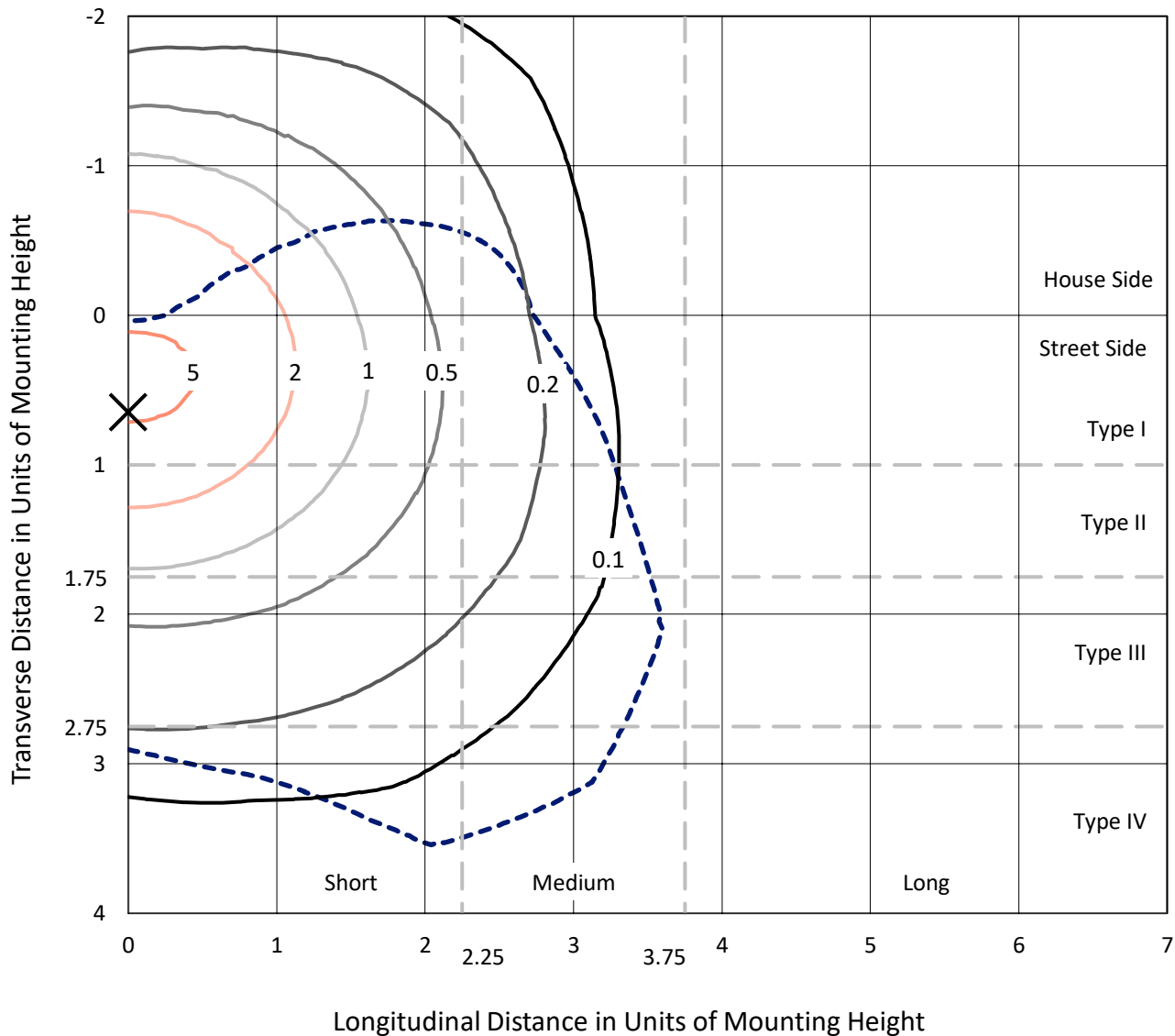
Input Watts (W): 126
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1436772

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

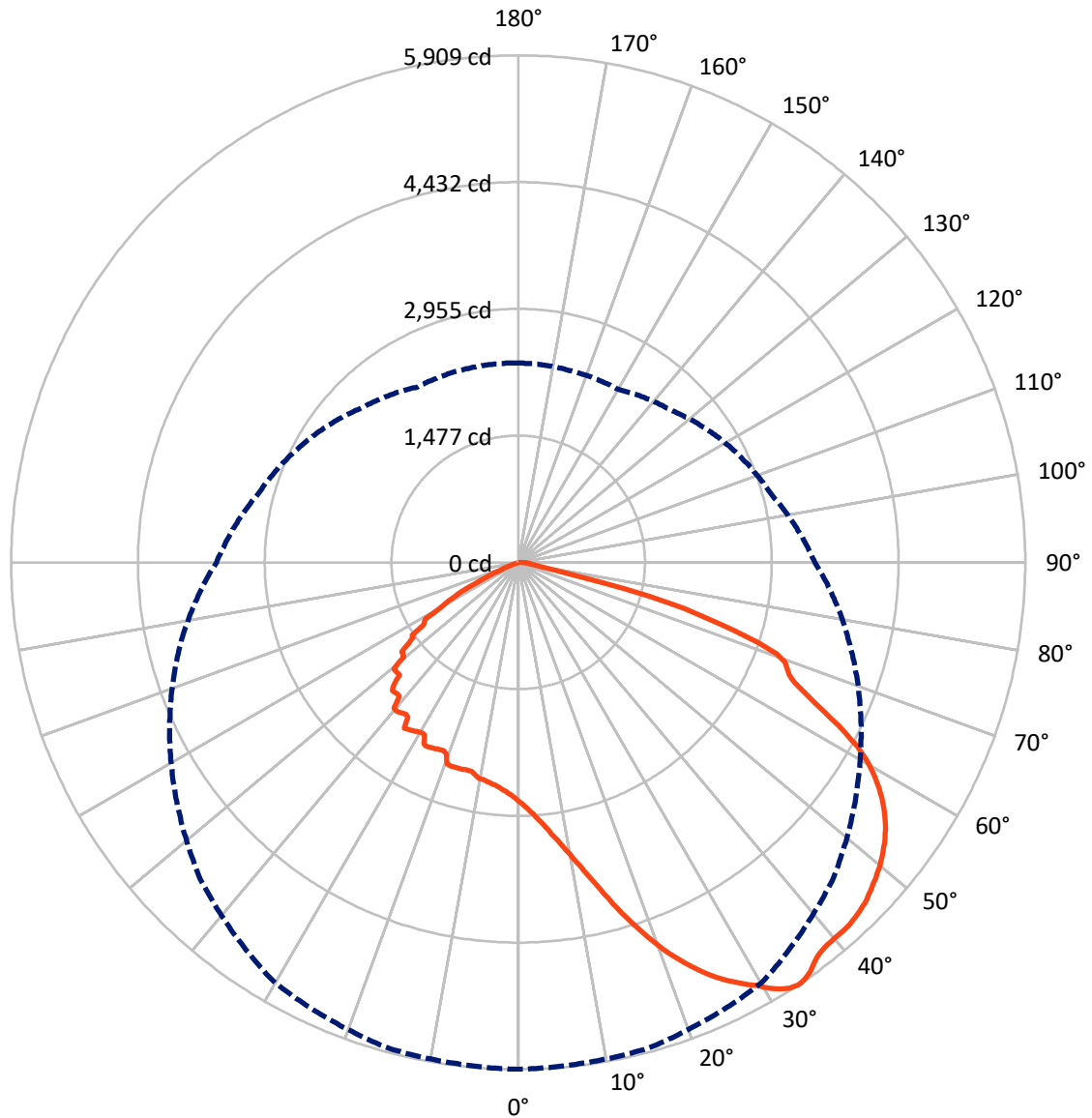


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1436772

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

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

REPORT NUMBER: P1436772

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

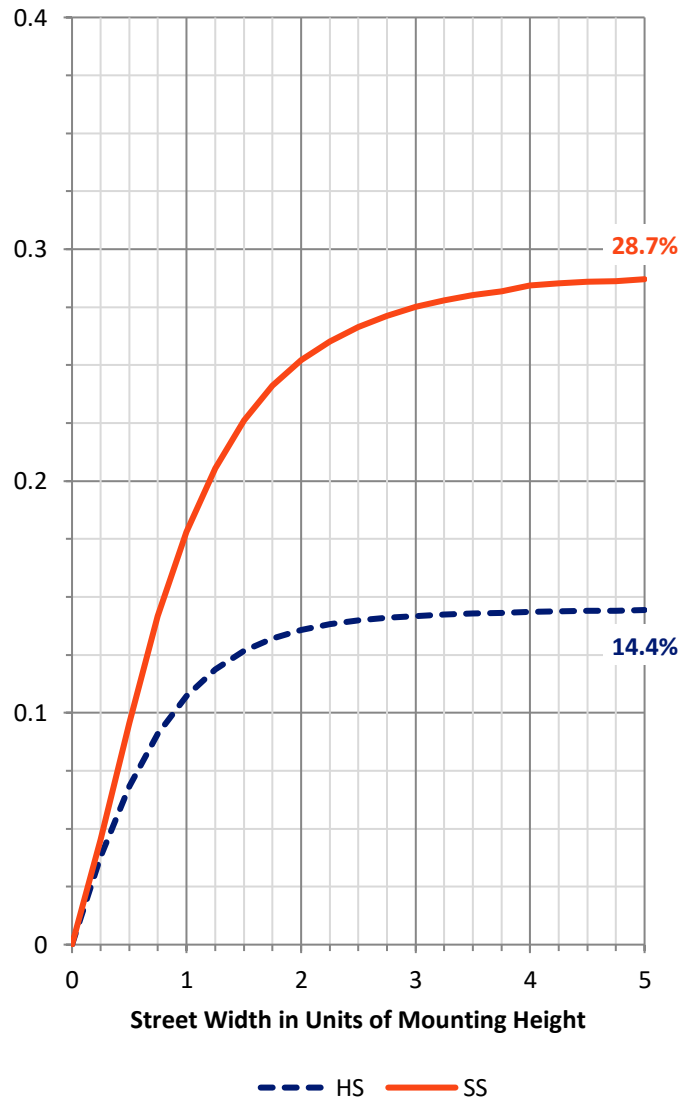
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5614.8	0.0	5614.8
	% Lamp	14.5	0.0	14.5
Street Side	Lumens	11105.9	0.0	11105.9
	% Lamp	28.7	0.0	28.7
Total	Lumens	16720.7	0.0	16720.7
	% Lamp	43.2	0.0	43.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	275.0	1.6	0.7
10°-20°	901.3	5.4	2.3
20°-30°	1660.7	9.9	4.3
30°-40°	2421.9	14.5	6.3
40°-50°	2989.3	17.9	7.7
50°-60°	3338.6	20.0	8.6
60°-70°	3127.1	18.7	8.1
70°-80°	1854.5	11.1	4.8
80°-90°	152.2	0.9	0.4
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	16720.7	100.0	43.2
0°-180°	16720.7	100.0	43.2

Coefficient of Utilization



REPORT NUMBER: P1436772

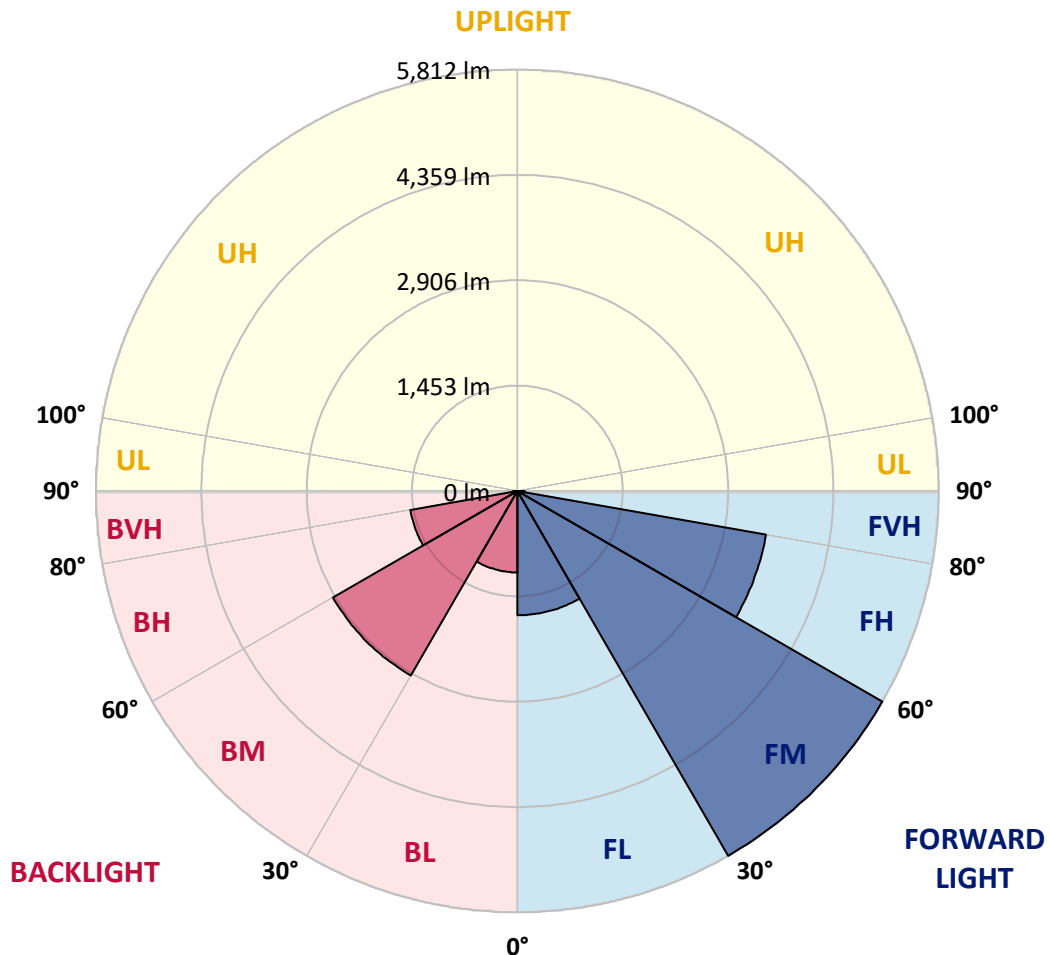
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.7	4.4			
FM (30°-60°)	5811.9	15.0			
FH (60°-80°)	3481.6	9.0			G2/5000
FVH (80°-90°)	98.8	0.3			G1/100
BL (0°-30°)	1123.4	2.9	B3/2500		
BM (30°-60°)	2937.9	7.6	B3/5000		
BH (60°-80°)	1500.0	3.9	B3/2500		G3/2500
BVH (80°-90°)	53.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	21974.3	56.8			

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1
1°	2840.7	2840.9	2837.4	2832.0	2824.5	2814.0	2793.9	2783.4	2773.6	2766.4	2760.7
2°	2890.3	2888.4	2878.8	2864.6	2847.4	2826.3	2795.1	2774.2	2755.3	2740.0	2728.8
3°	2944.5	2940.5	2925.1	2902.4	2873.4	2841.0	2798.6	2767.4	2739.9	2717.1	2701.8
4°	3005.9	2998.7	2977.0	2944.7	2903.6	2859.4	2805.1	2763.4	2726.4	2697.4	2677.8
5°	3073.1	3063.2	3033.3	2990.2	2937.7	2880.6	2814.6	2762.2	2716.5	2681.2	2657.1
6°	3146.0	3133.0	3096.1	3041.5	2974.9	2903.1	2824.9	2762.7	2708.6	2667.0	2637.8
7°	3226.2	3210.8	3164.3	3097.2	3014.5	2927.0	2835.9	2763.7	2702.5	2654.6	2623.0
8°	3310.8	3292.0	3238.0	3156.7	3057.1	2953.4	2848.9	2766.3	2697.4	2645.1	2611.8
9°	3404.5	3381.0	3317.6	3220.4	3103.2	2982.2	2863.7	2769.6	2692.8	2639.2	2602.2
10°	3505.4	3478.0	3402.2	3288.6	3152.2	3012.6	2878.6	2773.6	2688.7	2634.5	2594.3
11°	3612.7	3581.0	3494.4	3362.6	3204.0	3045.3	2895.9	2779.3	2687.4	2630.8	2587.7
12°	3728.2	3691.4	3591.3	3440.2	3258.4	3079.8	2907.6	2780.0	2688.9	2627.9	2584.0
13°	3855.3	3810.9	3694.7	3523.2	3316.8	3108.8	2920.8	2781.5	2683.7	2626.1	2580.3
14°	3987.9	3936.3	3802.1	3609.3	3378.7	3140.3	2936.6	2783.6	2680.6	2626.5	2552.5
15°	4125.2	4068.3	3915.7	3697.4	3435.9	3173.8	2954.5	2789.9	2677.8	2620.8	2535.2
16°	4265.6	4199.4	4032.0	3790.4	3497.4	3211.0	2979.0	2801.2	2678.8	2611.6	2535.6
17°	4405.0	4334.6	4149.4	3885.4	3560.7	3252.3	3000.9	2809.4	2682.6	2590.3	2539.0
18°	4542.9	4466.4	4267.4	3982.2	3622.8	3296.9	3025.7	2821.4	2685.8	2577.6	2543.8
19°	4678.1	4595.6	4384.7	4076.8	3690.6	3339.4	3055.2	2839.3	2693.0	2577.3	2550.8
20°	4809.1	4722.6	4498.4	4162.2	3758.0	3384.7	3087.1	2858.9	2704.9	2579.5	2556.7
21°	4931.8	4844.1	4608.6	4254.6	3829.9	3434.7	3118.7	2874.7	2716.2	2583.5	2557.4
22°	5048.0	4959.0	4714.4	4338.0	3896.3	3488.0	3145.1	2880.6	2719.4	2593.8	2556.9
23°	5158.2	5070.9	4818.6	4420.1	3966.4	3542.4	3161.4	2891.3	2708.8	2603.6	2535.8
24°	5263.2	5176.4	4919.2	4501.8	4035.4	3591.5	3183.0	2910.7	2711.9	2608.4	2451.2
25°	5361.3	5279.6	5017.3	4583.9	4103.8	3635.9	3212.9	2922.1	2714.7	2613.6	2421.8
26°	5447.7	5369.9	5112.8	4662.1	4173.8	3673.9	3242.5	2934.1	2718.0	2622.1	2426.2
27°	5523.4	5452.1	5203.6	4738.6	4243.2	3717.4	3264.0	2954.1	2733.1	2623.2	2433.3
28°	5596.4	5525.9	5289.1	4813.8	4311.4	3768.8	3293.4	2974.5	2748.0	2573.4	2437.8
29°	5669.8	5600.7	5366.5	4884.2	4373.5	3823.9	3330.6	2991.1	2754.0	2526.0	2441.5
30°	5758.9	5685.8	5443.4	4956.8	4432.7	3871.7	3368.6	3001.0	2757.4	2503.5	2446.2
31°	5831.9	5764.0	5523.8	5035.9	4480.2	3918.5	3402.7	3014.7	2769.4	2498.8	2453.3
32°	5887.2	5825.8	5599.0	5118.5	4535.5	3967.2	3430.5	3035.1	2783.1	2501.6	2395.3
33°	5909.2	5861.7	5664.2	5196.2	4601.2	4021.5	3457.9	3054.0	2785.2	2511.4	2328.4
34°	5897.1	5857.8	5702.2	5267.5	4670.3	4079.3	3492.5	3065.6	2794.2	2522.5	2323.4
35°	5856.9	5824.5	5701.8	5320.7	4736.0	4138.2	3532.0	3082.8	2802.1	2530.4	2326.8
36°	5802.9	5776.1	5673.3	5354.4	4794.4	4192.8	3570.5	3103.9	2808.0	2532.3	2335.0
37°	5755.4	5721.7	5632.2	5360.4	4832.8	4234.6	3599.3	3119.6	2804.1	2529.7	2349.3
38°	5734.7	5687.1	5593.4	5348.8	4856.6	4273.3	3629.9	3133.9	2757.0	2465.6	2355.9
39°	5728.2	5670.7	5567.4	5332.8	4864.4	4306.9	3671.0	3147.5	2721.7	2430.6	2358.6
40°	5726.4	5662.1	5555.3	5322.8	4863.5	4331.1	3710.0	3161.6	2711.1	2446.4	2276.7
41°	5724.7	5657.3	5549.3	5319.4	4870.4	4349.7	3739.8	3171.6	2729.4	2462.8	2242.1
42°	5719.1	5652.6	5545.8	5318.5	4885.5	4368.3	3761.0	3177.2	2747.6	2462.7	2253.2
43°	5706.6	5646.9	5543.2	5322.8	4903.3	4384.7	3775.8	3195.5	2741.3	2468.4	2250.3
44°	5688.0	5638.3	5538.5	5331.1	4922.7	4402.0	3788.0	3213.5	2742.2	2483.8	2247.8



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5661.6	5624.5	5531.1	5339.3	4940.9	4424.9	3802.9	3236.2	2757.6	2494.7	2247.1
46°	5631.4	5606.7	5521.6	5344.5	4959.0	4452.6	3818.0	3228.7	2774.9	2423.8	2137.6
47°	5596.4	5587.3	5510.4	5348.3	4977.2	4481.5	3829.4	3208.6	2778.5	2373.8	2109.1
48°	5560.1	5564.4	5497.9	5353.1	4994.9	4508.7	3850.9	3218.2	2776.4	2378.0	2117.1
49°	5521.2	5541.1	5481.9	5354.8	5015.6	4534.2	3875.5	3238.0	2725.6	2393.0	2117.0
50°	5478.8	5516.9	5463.3	5350.5	5031.2	4557.1	3897.4	3251.8	2701.3	2392.1	2103.8
51°	5432.2	5487.5	5440.8	5342.3	5049.3	4576.6	3915.0	3256.0	2705.7	2388.4	1984.9
52°	5378.6	5453.3	5415.8	5334.9	5069.2	4594.7	3913.7	3268.7	2706.3	2303.0	1983.0
53°	5320.7	5412.3	5387.2	5326.7	5086.0	4607.7	3893.4	3274.9	2726.0	2278.2	1997.6
54°	5255.9	5362.2	5358.3	5316.4	5094.7	4619.8	3871.9	3267.4	2725.5	2283.0	2009.1
55°	5182.4	5303.8	5325.0	5303.4	5097.7	4627.1	3868.8	3262.9	2721.5	2280.5	1892.7
56°	5097.7	5234.3	5285.3	5285.3	5097.7	4630.2	3869.6	3252.5	2699.9	2238.4	1867.2
57°	5005.2	5155.2	5238.2	5264.5	5096.4	4634.9	3865.3	3243.4	2659.2	2169.5	1868.2
58°	4902.0	5063.6	5181.5	5241.2	5090.8	4641.8	3848.5	3209.0	2650.8	2191.1	1778.8
59°	4789.6	4960.3	5119.8	5213.5	5082.6	4644.9	3831.6	3193.1	2645.0	2216.0	1726.7
60°	4658.2	4843.6	5045.4	5179.0	5067.9	4641.0	3813.9	3167.8	2634.6	2198.7	1722.6
61°	4491.9	4707.5	4963.8	5134.9	5046.7	4625.8	3786.6	3138.5	2611.1	2129.7	1597.5
62°	4293.8	4542.4	4870.4	5080.4	5020.8	4594.3	3748.0	3105.0	2580.8	2118.6	1586.4
63°	4072.4	4355.3	4765.4	5016.5	4985.8	4542.9	3697.7	3065.6	2572.7	2086.8	1496.3
64°	3853.8	4161.7	4647.9	4945.6	4940.0	4477.2	3639.0	3022.2	2544.7	2048.4	1455.0
65°	3664.5	3972.5	4520.0	4866.1	4886.8	4405.0	3580.2	2986.1	2488.2	2028.8	1352.5
66°	3513.8	3806.6	4380.0	4772.8	4822.5	4339.3	3503.8	2940.8	2489.7	1978.7	1305.8
67°	3415.3	3665.2	4246.0	4668.2	4742.5	4262.8	3415.0	2879.6	2505.8	1958.9	1201.2
68°	3364.7	3560.4	4117.8	4548.1	4647.4	4167.7	3288.9	2809.8	2518.1	1918.3	1114.2
69°	3319.0	3485.3	3999.1	4418.4	4531.6	4045.7	3141.3	2724.9	2460.1	1884.4	1012.4
70°	3195.5	3415.6	3884.6	4277.9	4398.1	3867.0	2913.7	2603.1	2396.1	1851.8	937.7
71°	2951.5	3297.0	3781.7	4134.8	4243.3	3634.3	2620.8	2435.3	2343.0	1809.0	884.1
72°	2629.7	3095.4	3684.1	3988.0	4071.8	3359.7	2331.3	2253.1	2273.2	1760.7	830.6
73°	2310.5	2818.4	3574.5	3844.9	3875.2	3051.8	2071.1	2065.8	2164.8	1708.6	777.1
74°	2008.8	2511.2	3443.0	3699.3	3648.3	2740.2	1829.0	1877.5	2052.2	1639.8	726.8
75°	1574.2	2173.2	3273.7	3521.9	3401.7	2410.0	1536.1	1684.0	1933.5	1548.2	655.5
76°	989.0	1756.7	3034.3	3317.6	3109.5	2046.6	1120.3	1458.2	1808.1	1435.4	580.8
77°	467.4	1167.7	2721.8	3034.0	2776.3	1546.9	704.4	1092.8	1680.5	1273.6	509.3
78°	367.1	586.6	2338.2	2664.3	2377.8	973.8	294.7	727.4	1536.7	1061.0	435.3
79°	271.7	450.0	1828.6	2209.0	1910.1	486.0	134.3	365.7	1306.4	848.3	369.2
80°	176.2	313.4	1172.6	1652.2	1355.2	361.7	115.2	268.0	933.2	636.0	319.0
81°	160.4	176.9	608.5	1053.6	786.5	242.3	96.0	170.4	561.2	469.6	320.9
82°	145.9	156.3	455.6	506.8	353.9	123.0	77.0	75.1	245.8	383.9	298.9
83°	132.0	140.1	309.3	389.2	242.7	103.8	66.0	61.0	186.3	327.2	239.2
84°	117.9	124.2	163.0	273.6	132.9	87.9	55.3	49.0	126.9	259.6	164.8
85°	103.7	108.6	132.0	158.1	106.7	73.0	44.9	38.6	68.5	184.4	117.9
86°	88.4	93.9	106.0	134.4	85.5	58.0	34.7	29.6	56.5	148.0	71.6
87°	73.2	79.7	87.6	107.2	68.1	44.3	24.8	22.0	43.8	111.5	46.8
88°	59.7	66.1	69.7	76.6	52.7	33.7	17.6	15.7	29.1	75.0	32.0
89°	48.9	51.8	51.2	45.4	40.5	23.0	10.4	9.4	20.3	38.5	17.2



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1	2798.1
1°	2758.2	2758.4	2761.9	2767.8	2776.3	2785.9	2796.1	2797.2	2807.5	2817.9	2826.9
2°	2723.7	2722.5	2727.5	2737.6	2752.3	2769.9	2790.5	2802.0	2822.7	2843.1	2861.6
3°	2693.7	2691.3	2697.6	2711.1	2730.6	2756.2	2785.9	2808.4	2840.1	2871.9	2900.9
4°	2667.4	2664.4	2671.9	2687.6	2712.4	2745.3	2783.9	2816.9	2860.4	2904.2	2943.8
5°	2643.2	2640.1	2648.5	2667.2	2695.9	2736.0	2783.1	2826.8	2881.8	2938.3	2991.0
6°	2623.0	2619.8	2628.8	2648.4	2682.2	2728.0	2784.4	2838.7	2905.4	2975.4	3042.3
7°	2606.7	2602.7	2612.9	2634.2	2669.2	2721.8	2786.5	2851.3	2931.1	3015.9	3097.3
8°	2592.4	2587.4	2598.5	2623.6	2659.9	2716.4	2789.5	2864.5	2958.4	3059.0	3155.7
9°	2579.1	2573.5	2585.4	2613.2	2653.6	2711.4	2792.5	2879.3	2987.2	3105.3	3219.5
10°	2568.4	2562.5	2574.5	2604.6	2648.6	2707.5	2797.8	2896.7	3018.0	3154.3	3286.5
11°	2560.9	2554.7	2566.8	2598.0	2644.8	2707.1	2804.5	2916.1	3052.6	3206.7	3359.3
12°	2544.8	2526.4	2550.8	2594.0	2642.7	2709.1	2805.8	2929.0	3089.3	3261.7	3436.6
13°	2515.7	2497.7	2521.5	2591.7	2641.5	2704.6	2810.3	2944.9	3119.1	3323.3	3519.6
14°	2502.4	2495.1	2508.2	2562.5	2642.2	2703.5	2814.6	2960.9	3152.8	3384.0	3607.8
15°	2503.9	2495.2	2508.3	2543.5	2637.3	2703.9	2824.0	2981.3	3187.3	3442.0	3699.5
16°	2505.6	2497.1	2510.2	2545.4	2634.1	2708.6	2832.8	3005.8	3226.2	3504.0	3795.7
17°	2509.8	2500.2	2514.8	2549.7	2614.3	2711.6	2844.1	3029.8	3273.0	3567.6	3894.1
18°	2512.6	2500.5	2517.9	2555.5	2604.4	2717.3	2860.0	3056.2	3314.2	3637.8	3990.6
19°	2514.6	2501.0	2520.5	2563.9	2600.8	2729.1	2879.3	3088.5	3360.1	3708.1	4081.3
20°	2516.6	2490.6	2523.4	2570.1	2604.0	2743.3	2898.1	3121.2	3408.2	3782.9	4176.2
21°	2465.3	2388.2	2475.9	2570.5	2612.8	2754.2	2913.5	3150.5	3463.1	3853.3	4267.4
22°	2391.7	2361.9	2406.3	2572.1	2623.9	2759.0	2921.9	3176.8	3518.1	3926.3	4352.3
23°	2380.1	2364.9	2394.4	2557.4	2632.2	2752.9	2939.2	3195.4	3571.6	4000.4	4439.2
24°	2384.5	2371.4	2399.9	2471.9	2639.1	2759.8	2961.4	3221.6	3621.0	4073.1	4523.9
25°	2392.8	2380.5	2408.8	2448.9	2645.6	2764.7	2974.7	3254.9	3663.9	4147.3	4604.7
26°	2402.5	2388.7	2419.6	2457.2	2655.8	2768.5	2991.0	3281.7	3708.1	4219.3	4685.5
27°	2410.5	2398.0	2428.9	2464.2	2656.4	2785.7	3014.9	3307.8	3759.1	4290.5	4762.4
28°	2418.9	2381.3	2440.0	2469.9	2609.6	2799.8	3037.2	3342.1	3816.6	4357.1	4839.7
29°	2376.7	2286.7	2395.2	2473.5	2564.5	2804.5	3052.1	3380.7	3872.8	4422.3	4918.4
30°	2297.1	2279.5	2316.5	2481.4	2540.8	2809.4	3065.2	3419.1	3922.2	4481.5	4998.3
31°	2294.3	2292.1	2313.2	2489.2	2537.5	2823.0	3084.8	3452.3	3976.8	4540.7	5079.1
32°	2303.5	2307.9	2322.8	2424.7	2544.6	2836.3	3108.2	3481.7	4039.1	4604.7	5158.2
33°	2314.9	2322.9	2334.5	2358.8	2556.5	2838.7	3130.3	3516.8	4103.9	4671.6	5233.8
34°	2325.9	2335.1	2344.6	2356.3	2568.4	2848.4	3142.7	3560.3	4163.0	4738.2	5300.8
35°	2334.7	2345.4	2352.8	2359.3	2574.0	2855.4	3163.8	3603.1	4213.6	4803.0	5345.7
36°	2337.9	2219.5	2353.7	2369.4	2574.9	2860.3	3184.5	3642.6	4257.4	4847.9	5365.2
37°	2210.4	2201.4	2223.3	2382.5	2571.1	2854.4	3201.4	3671.7	4295.3	4874.7	5365.6
38°	2184.0	2214.2	2202.8	2386.9	2507.5	2810.0	3216.0	3706.2	4325.9	4885.5	5351.8
39°	2192.1	2229.6	2210.8	2393.9	2474.5	2779.5	3224.8	3741.5	4351.0	4888.1	5334.5
40°	2203.0	2243.1	2218.9	2311.9	2493.7	2770.7	3236.4	3768.6	4370.0	4892.9	5325.0
41°	2204.0	2231.0	2219.6	2282.4	2506.8	2788.7	3239.3	3792.8	4384.7	4903.7	5321.1
42°	2181.9	2092.1	2199.0	2290.2	2504.7	2799.5	3244.5	3813.6	4402.0	4917.1	5327.2
43°	2058.1	2081.9	2078.3	2285.9	2515.4	2787.6	3264.4	3831.1	4421.0	4933.1	5338.8
44°	2047.8	2089.3	2070.5	2283.7	2530.3	2792.4	3285.4	3846.7	4444.8	4950.8	5349.6

REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2058.3	2093.1	2080.2	2283.4	2540.3	2811.0	3307.6	3864.2	4472.0	4968.1	5359.1
46°	2059.9	2033.6	2079.9	2168.2	2467.3	2827.7	3290.9	3876.8	4497.9	4989.3	5368.7
47°	2007.0	1905.7	2021.9	2151.0	2421.1	2836.5	3274.4	3892.6	4524.3	5012.6	5376.4
48°	1897.3	1906.2	1922.0	2157.0	2429.0	2829.6	3288.8	3916.7	4550.2	5035.1	5379.9
49°	1905.5	1908.7	1932.0	2156.3	2444.8	2779.6	3312.6	3937.6	4575.3	5054.5	5377.7
50°	1916.1	1907.7	1943.5	2138.4	2440.7	2766.5	3325.0	3954.8	4597.3	5076.1	5373.4
51°	1922.1	1732.4	1951.8	2025.4	2433.3	2771.4	3330.9	3964.2	4615.5	5094.7	5368.7
52°	1772.8	1715.0	1796.5	2028.5	2344.3	2776.5	3344.0	3951.1	4630.2	5109.8	5362.6
53°	1752.9	1712.6	1779.1	2043.4	2330.9	2794.0	3346.2	3925.4	4643.6	5118.9	5355.3
54°	1748.7	1582.5	1774.5	2054.1	2338.2	2791.5	3338.1	3910.7	4650.0	5121.9	5345.7
55°	1626.7	1503.1	1645.8	1930.8	2336.6	2786.1	3331.3	3909.1	4652.6	5121.5	5334.9
56°	1563.4	1499.4	1589.3	1910.7	2284.9	2762.6	3317.3	3909.6	4653.9	5122.3	5320.3
57°	1561.6	1333.7	1587.0	1912.4	2233.5	2723.5	3302.3	3900.2	4656.5	5118.9	5299.1
58°	1412.0	1295.2	1431.8	1812.6	2256.3	2717.3	3262.7	3876.4	4655.2	5109.4	5269.3
59°	1373.8	1265.3	1397.8	1775.1	2280.6	2708.4	3249.7	3857.3	4650.5	5096.4	5232.5
60°	1310.1	1073.0	1319.4	1766.8	2250.7	2695.4	3212.2	3834.6	4634.5	5078.3	5191.1
61°	1183.2	977.3	1205.8	1639.8	2189.0	2664.5	3178.1	3804.3	4602.9	5054.5	5145.2
62°	1127.2	881.6	1130.7	1632.2	2178.6	2636.0	3136.2	3763.0	4551.5	5019.5	5094.7
63°	1015.2	785.3	1023.2	1527.2	2138.4	2624.6	3090.6	3705.2	4490.2	4975.0	5034.2
64°	903.2	636.8	915.7	1494.8	2104.6	2589.0	3044.9	3646.6	4417.1	4924.0	4960.3
65°	790.2	491.1	808.1	1385.8	2080.4	2536.9	3000.7	3577.6	4348.4	4860.9	4872.1
66°	644.2	367.0	653.0	1332.9	2029.5	2544.0	2942.9	3483.8	4273.7	4787.5	4774.1
67°	523.3	244.1	514.3	1236.9	2009.7	2552.6	2867.3	3378.3	4182.7	4701.9	4666.0
68°	382.8	121.1	379.9	1138.1	1959.7	2544.0	2784.1	3235.7	4063.6	4600.3	4549.8
69°	277.2	0.3	266.5	1018.5	1917.3	2459.7	2685.0	3045.7	3908.5	4480.2	4422.7
70°	249.4	0.2	233.4	945.7	1877.4	2380.6	2540.2	2769.8	3707.2	4341.1	4280.9
71°	222.1	0.2	203.6	887.1	1825.2	2308.5	2348.4	2459.5	3447.3	4181.5	4128.5
72°	191.9	0.2	173.3	828.6	1770.7	2221.8	2150.5	2176.8	3145.5	4005.8	3980.7
73°	159.4	0.2	140.9	769.9	1700.8	2101.1	1965.9	1939.4	2831.0	3790.8	3828.0
74°	130.4	0.3	109.5	703.7	1603.6	1985.3	1779.6	1674.2	2505.5	3530.7	3664.3
75°	103.2	0.3	89.9	623.4	1493.5	1868.1	1538.0	1293.0	2158.7	3236.4	3475.6
76°	76.2	0.3	83.1	551.7	1348.1	1730.6	1173.4	812.0	1734.1	2911.8	3250.1
77°	58.7	0.4	91.0	484.1	1151.6	1580.7	808.9	387.7	1198.2	2554.7	2957.8
78°	63.2	0.5	83.8	416.2	953.9	1375.3	445.4	247.7	654.1	2126.1	2534.2
79°	85.7	0.5	76.7	363.8	756.3	1017.2	182.5	114.3	480.6	1639.5	2029.9
80°	88.4	0.6	69.3	334.9	560.6	659.1	130.8	96.9	307.2	1074.9	1450.6
81°	80.1	0.7	43.3	309.7	445.0	308.8	79.7	84.6	133.8	547.3	861.3
82°	58.2	0.8	24.0	264.9	371.7	229.7	65.5	73.4	113.2	405.9	374.7
83°	36.5	0.9	18.3	194.1	288.5	150.6	54.2	62.5	97.4	265.4	269.8
84°	21.8	1.0	12.6	123.2	192.0	72.4	44.4	52.0	83.0	124.9	176.5
85°	16.6	1.1	7.0	53.0	127.2	59.4	35.4	40.9	68.2	98.6	153.6
86°	11.5	1.3	5.9	31.2	62.6	47.3	27.3	31.4	53.9	79.2	129.2
87°	6.4	1.4	5.1	18.9	33.2	34.9	20.2	21.9	40.9	62.8	101.6
88°	5.0	1.5	4.3	13.4	23.0	24.1	14.2	12.4	30.1	47.7	69.7
89°	3.5	1.6	3.2	7.9	12.7	13.4	8.3	5.4	19.4	37.0	40.5



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2798.1	2798.1	2798.1
1°	2833.8	2839.0	2840.7
2°	2876.7	2887.3	2890.3
3°	2924.0	2939.2	2944.5
4°	2976.3	2998.7	3005.9
5°	3035.0	3063.4	3073.1
6°	3096.7	3133.3	3146.0
7°	3164.4	3210.3	3226.2
8°	3237.5	3292.5	3310.8
9°	3315.4	3380.9	3404.5
10°	3400.3	3477.6	3505.4
11°	3491.7	3581.1	3612.7
12°	3588.3	3690.9	3728.2
13°	3692.1	3811.1	3855.3
14°	3800.8	3935.6	3987.9
15°	3916.0	4066.5	4125.2
16°	4033.1	4201.9	4265.6
17°	4155.1	4339.8	4405.0
18°	4277.0	4475.5	4542.9
19°	4397.2	4605.1	4678.1
20°	4513.5	4730.8	4809.1
21°	4625.8	4851.4	4931.8
22°	4731.7	4963.8	5048.0
23°	4835.0	5075.7	5158.2
24°	4933.1	5184.6	5263.2
25°	5032.0	5288.7	5361.3
26°	5131.0	5383.3	5447.7
27°	5224.3	5468.0	5523.4
28°	5305.1	5541.5	5596.4
29°	5379.9	5615.0	5669.8
30°	5459.4	5698.8	5758.9
31°	5538.9	5776.1	5831.9
32°	5611.9	5833.2	5887.2
33°	5663.4	5862.6	5909.2
34°	5688.0	5860.0	5897.1
35°	5684.1	5826.3	5856.9
36°	5662.5	5774.8	5802.9
37°	5625.3	5722.1	5755.4
38°	5589.9	5688.4	5734.7
39°	5568.7	5672.4	5728.2
40°	5559.2	5665.1	5726.4
41°	5554.9	5661.6	5724.7
42°	5550.6	5659.5	5719.1
43°	5546.3	5655.1	5706.6
44°	5542.8	5647.8	5688.0

REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5539.3	5634.0	5661.6
46°	5535.0	5616.3	5631.4
47°	5528.5	5596.4	5596.4
48°	5518.6	5573.9	5560.1
49°	5503.9	5550.6	5521.2
50°	5485.3	5526.8	5478.8
51°	5461.1	5500.9	5432.2
52°	5434.8	5468.0	5378.6
53°	5407.5	5427.4	5320.7
54°	5379.9	5377.3	5255.9
55°	5349.2	5318.5	5182.4
56°	5312.0	5249.0	5097.7
57°	5265.8	5171.2	5005.2
58°	5206.6	5077.0	4902.0
59°	5141.8	4973.3	4789.6
60°	5067.5	4859.6	4658.2
61°	4983.6	4729.1	4491.9
62°	4889.0	4571.0	4293.8
63°	4788.7	4386.4	4072.4
64°	4677.7	4186.7	3853.8
65°	4552.8	3998.9	3664.5
66°	4420.1	3833.6	3513.8
67°	4286.8	3696.7	3415.3
68°	4151.7	3588.4	3364.7
69°	4034.0	3508.5	3319.0
70°	3934.1	3437.4	3195.5
71°	3830.7	3327.0	2951.5
72°	3717.2	3128.8	2629.7
73°	3605.3	2850.3	2310.5
74°	3474.8	2537.1	2008.8
75°	3276.4	2195.0	1574.2
76°	3013.3	1774.8	989.0
77°	2708.7	1226.0	467.4
78°	2332.5	656.3	367.1
79°	1805.9	494.4	271.7
80°	1118.3	338.3	176.2
81°	564.7	182.2	160.4
82°	423.1	158.7	145.9
83°	294.0	143.2	132.0
84°	164.8	126.7	117.9
85°	129.8	109.8	103.7
86°	105.6	94.2	88.4
87°	86.9	79.8	73.2
88°	69.0	65.6	59.7
89°	49.6	51.3	48.9



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436772

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)