

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: P1436820

Luminaire Tested: XAS300-SFPM (5000K-120W-T3-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436820
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 (5000K-120W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

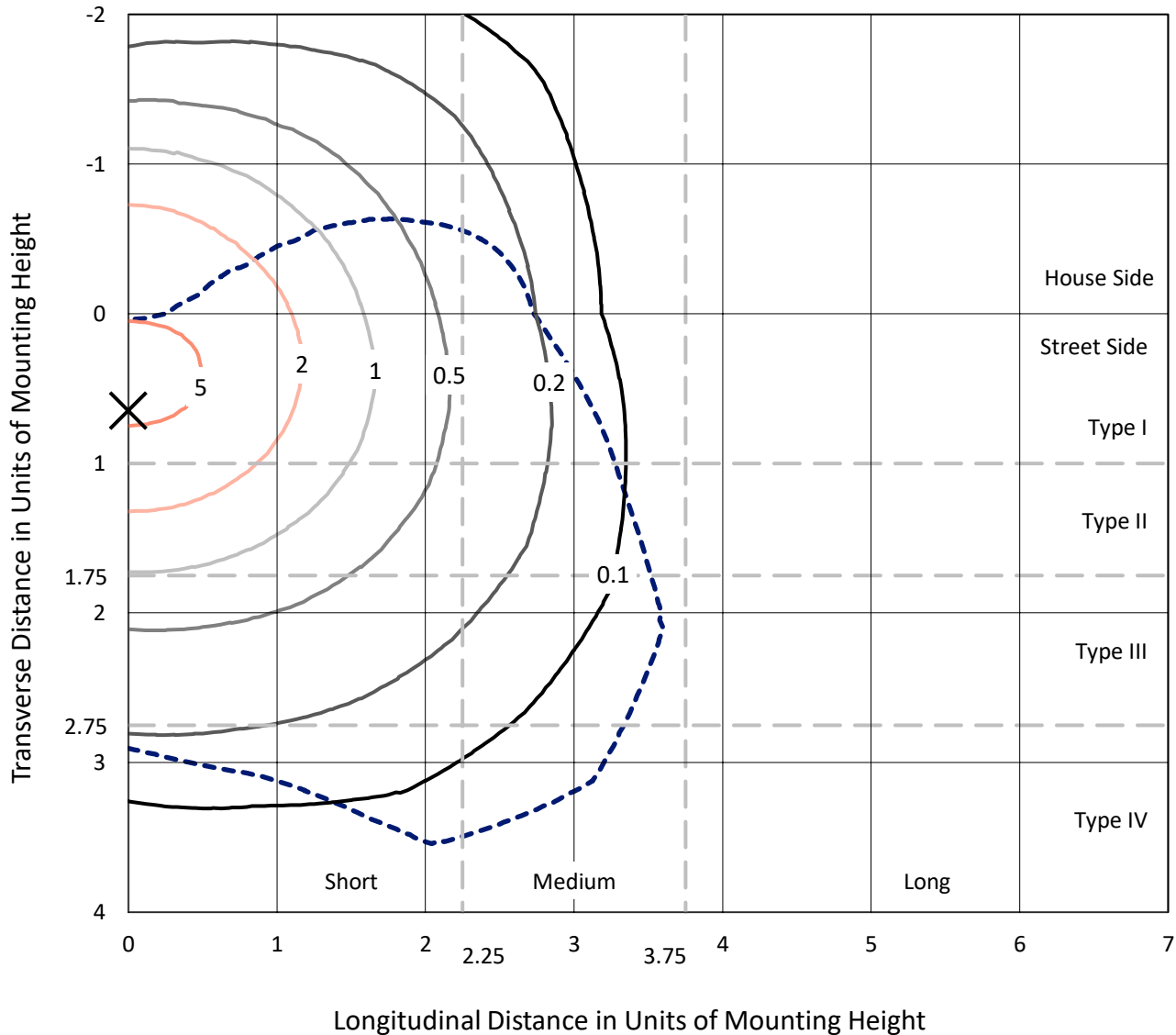
Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 17739.2 lumens
Efficiency: 45.8%
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

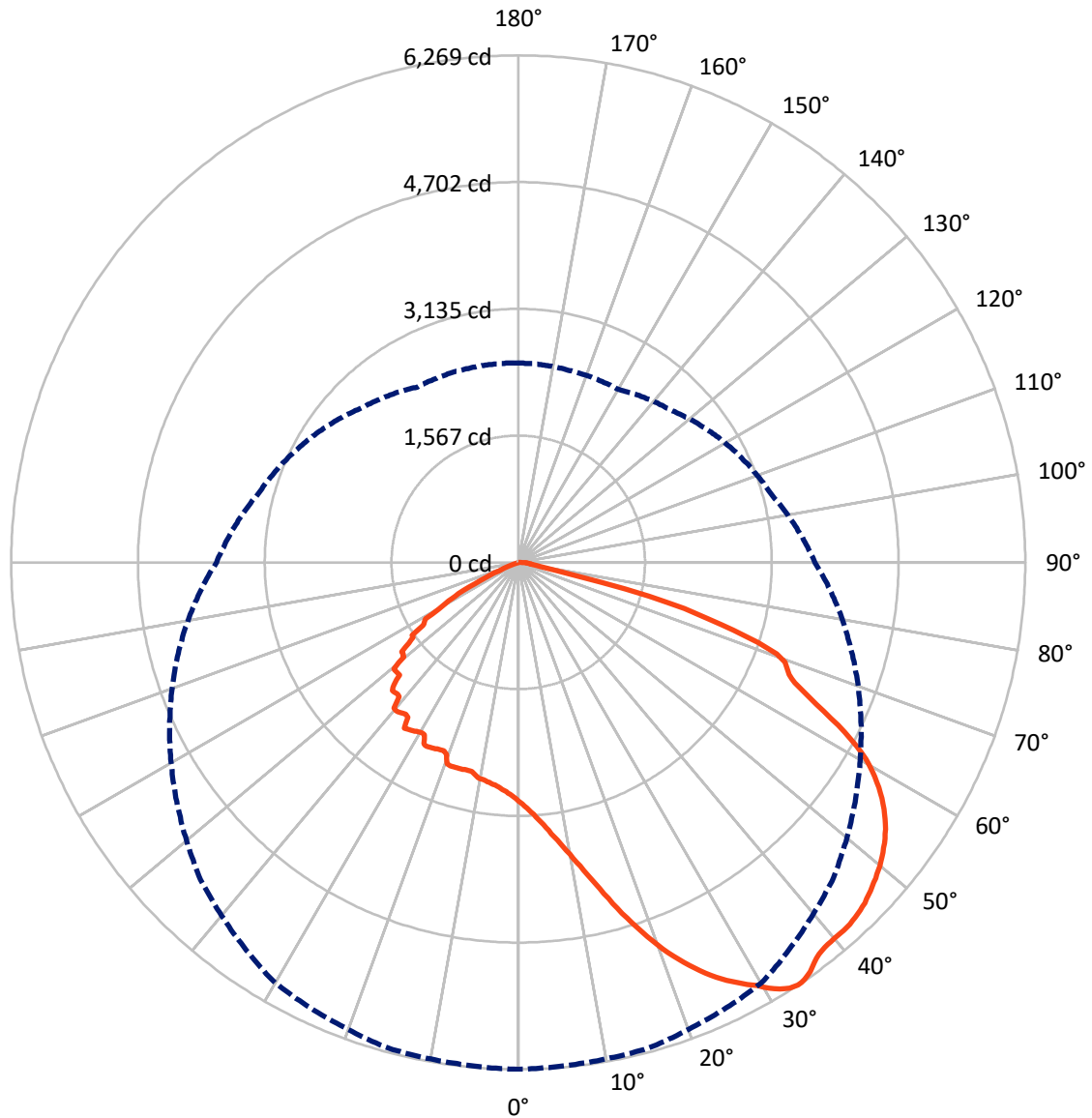
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - 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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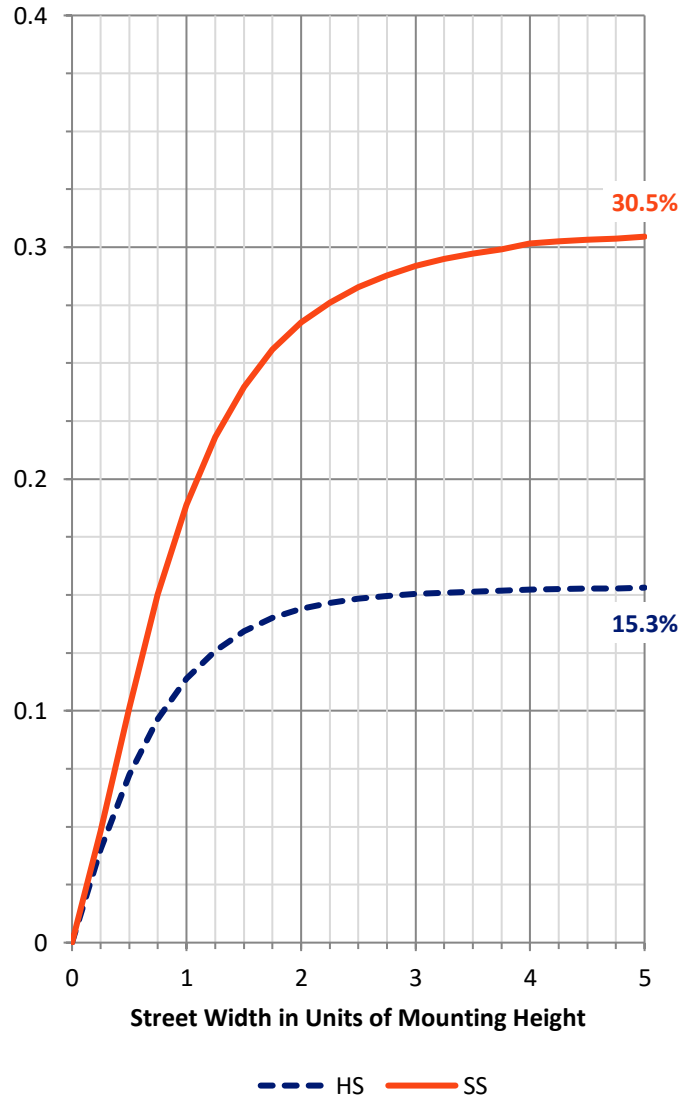
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5956.8	0.0	5956.8
	% Lamp	15.4	0.0	15.4
Street Side	Lumens	11782.4	0.0	11782.4
	% Lamp	30.4	0.0	30.4
Total	Lumens	17739.2	0.0	17739.2
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	291.8	1.6	0.8
10°-20°	956.2	5.4	2.5
20°-30°	1761.9	9.9	4.6
30°-40°	2569.4	14.5	6.6
40°-50°	3171.3	17.9	8.2
50°-60°	3542.0	20.0	9.2
60°-70°	3317.6	18.7	8.6
70°-80°	1967.4	11.1	5.1
80°-90°	161.5	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°	17739.2	100.0	45.8
0°-180°	17739.2	100.0	45.8

Coefficient of Utilization



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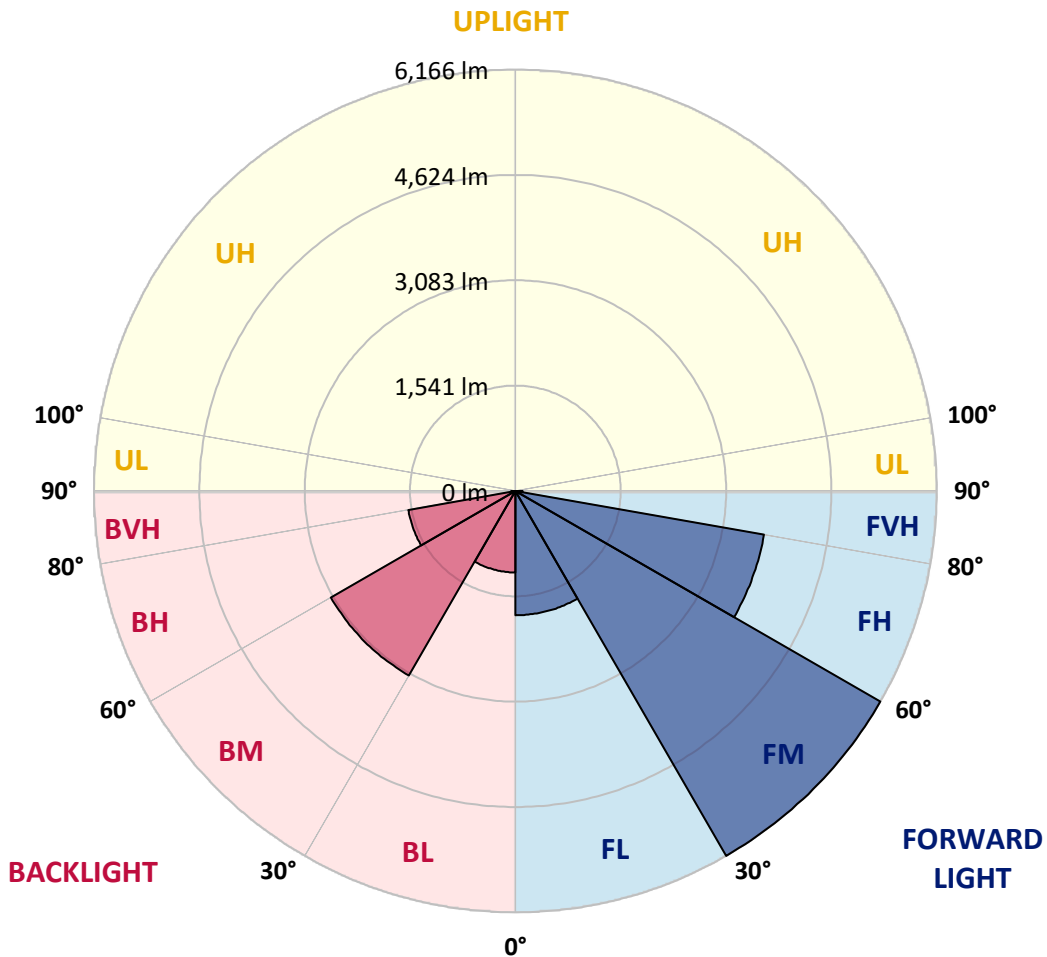
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1818.1	4.7			
FM (30°-60°)	6165.9	15.9			
FH (60°-80°)	3693.6	9.5			G2/5000
FVH (80°-90°)	104.8	0.3			G2/225
BL (0°-30°)	1191.8	3.1	B3/2500		
BM (30°-60°)	3116.9	8.1	B3/5000		
BH (60°-80°)	1591.4	4.1	B3/2500		G3/2500
BVH (80°-90°)	56.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	20955.8	54.2			

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5
1°	3013.7	3013.9	3010.2	3004.5	2996.5	2985.4	2964.1	2952.9	2942.5	2934.9	2928.8
2°	3066.3	3064.3	3054.2	3039.1	3020.8	2998.5	2965.4	2943.1	2923.1	2906.9	2895.0
3°	3123.8	3119.6	3103.3	3079.2	3048.4	3014.0	2969.0	2935.9	2906.8	2882.6	2866.3
4°	3188.9	3181.4	3158.4	3124.1	3080.5	3033.6	2975.9	2931.7	2892.4	2861.7	2840.9
5°	3260.3	3249.7	3218.0	3172.4	3116.7	3056.0	2986.0	2930.4	2882.0	2844.5	2819.0
6°	3337.7	3323.8	3284.7	3226.7	3156.1	3079.9	2996.9	2931.0	2873.6	2829.4	2798.4
7°	3422.7	3406.4	3357.0	3285.8	3198.1	3105.2	3008.6	2932.1	2867.1	2816.3	2782.8
8°	3512.5	3492.5	3435.2	3348.9	3243.3	3133.3	3022.4	2934.8	2861.7	2806.2	2770.9
9°	3611.8	3586.9	3519.7	3416.6	3292.2	3163.8	3038.1	2938.3	2856.8	2800.0	2760.7
10°	3718.9	3689.8	3609.4	3488.9	3344.2	3196.1	3054.0	2942.6	2852.5	2795.0	2752.3
11°	3832.8	3799.1	3707.3	3567.4	3399.1	3230.8	3072.3	2948.6	2851.1	2791.1	2745.3
12°	3955.3	3916.3	3810.0	3649.7	3456.9	3267.4	3084.7	2949.4	2852.6	2788.0	2741.4
13°	4090.1	4043.0	3919.7	3737.8	3518.8	3298.1	3098.7	2950.9	2847.1	2786.1	2737.5
14°	4230.8	4176.1	4033.7	3829.1	3584.5	3331.6	3115.5	2953.2	2843.9	2786.4	2708.0
15°	4376.4	4316.1	4154.2	3922.6	3645.2	3367.1	3134.5	2959.8	2840.9	2780.4	2689.6
16°	4525.4	4455.2	4277.6	4021.2	3710.5	3406.6	3160.5	2971.8	2842.0	2770.7	2690.1
17°	4673.3	4598.6	4402.1	4122.0	3777.5	3450.4	3183.7	2980.5	2845.9	2748.1	2693.7
18°	4819.6	4738.4	4527.4	4224.7	3843.5	3497.8	3209.9	2993.2	2849.3	2734.6	2698.7
19°	4963.1	4875.5	4651.8	4325.1	3915.3	3542.8	3241.3	3012.2	2857.0	2734.3	2706.1
20°	5102.0	5010.3	4772.3	4415.7	3986.9	3590.8	3275.1	3033.0	2869.6	2736.6	2712.4
21°	5232.2	5139.1	4889.2	4513.7	4063.1	3643.9	3308.6	3049.8	2881.7	2740.8	2713.1
22°	5355.5	5261.0	5001.6	4602.3	4133.7	3700.4	3336.7	3056.1	2885.0	2751.8	2712.6
23°	5472.4	5379.8	5112.1	4689.4	4208.0	3758.2	3354.0	3067.4	2873.8	2762.2	2690.3
24°	5583.8	5491.6	5218.9	4776.0	4281.2	3810.2	3376.9	3088.0	2877.1	2767.3	2600.5
25°	5687.9	5601.2	5322.9	4863.1	4353.8	3857.3	3408.6	3100.1	2880.0	2772.8	2569.3
26°	5779.5	5697.0	5424.2	4946.1	4428.0	3897.6	3439.9	3112.8	2883.6	2781.8	2574.0
27°	5859.8	5784.1	5520.5	5027.2	4501.7	3943.9	3462.8	3134.0	2899.5	2783.0	2581.5
28°	5937.2	5862.5	5611.3	5107.0	4574.0	3998.3	3493.9	3155.7	2915.3	2730.2	2586.3
29°	6015.2	5941.8	5693.4	5181.7	4639.9	4056.8	3533.4	3173.3	2921.7	2679.9	2590.2
30°	6109.6	6032.1	5775.0	5258.8	4702.7	4107.5	3573.8	3183.8	2925.3	2656.0	2595.2
31°	6187.1	6115.1	5860.2	5342.6	4753.1	4157.1	3610.0	3198.3	2938.0	2651.0	2602.7
32°	6245.8	6180.7	5940.0	5430.2	4811.8	4208.9	3639.4	3219.9	2952.6	2653.9	2541.2
33°	6269.2	6218.7	6009.2	5512.7	4881.5	4266.5	3668.6	3240.1	2954.8	2664.4	2470.3
34°	6256.3	6214.6	6049.6	5588.4	4954.8	4327.8	3705.2	3252.3	2964.4	2676.2	2464.9
35°	6213.7	6179.3	6049.1	5644.8	5024.5	4390.2	3747.1	3270.6	2972.8	2684.5	2468.5
36°	6156.4	6128.0	6018.8	5680.5	5086.4	4448.1	3788.0	3293.0	2979.0	2686.6	2477.2
37°	6105.9	6070.2	5975.3	5686.9	5127.2	4492.5	3818.5	3309.6	2974.9	2683.8	2492.4
38°	6083.9	6033.5	5934.0	5674.6	5152.4	4533.5	3851.0	3324.8	2924.9	2615.8	2499.4
39°	6077.1	6016.1	5906.5	5657.6	5160.6	4569.3	3894.6	3339.2	2887.5	2578.7	2502.2
40°	6075.2	6006.9	5893.7	5647.0	5159.7	4594.9	3936.0	3354.2	2876.2	2595.4	2415.4
41°	6073.4	6001.9	5887.3	5643.4	5167.1	4614.6	3967.6	3364.8	2895.7	2612.8	2378.6
42°	6067.4	5996.8	5883.6	5642.5	5183.1	4634.4	3990.0	3370.7	2915.0	2612.7	2390.5
43°	6054.1	5990.9	5880.9	5647.0	5201.9	4651.8	4005.7	3390.2	2908.3	2618.7	2387.4
44°	6034.4	5981.7	5875.8	5655.8	5222.5	4670.1	4018.7	3409.2	2909.2	2635.1	2384.7



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CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6006.5	5967.0	5868.0	5664.5	5241.8	4694.4	4034.5	3433.3	2925.6	2646.7	2384.0
46°	5974.4	5948.2	5857.9	5670.0	5261.0	4723.8	4050.5	3425.3	2943.9	2571.4	2267.8
47°	5937.2	5927.6	5846.0	5674.1	5280.3	4754.5	4062.6	3404.0	2947.8	2518.3	2237.5
48°	5898.7	5903.3	5832.7	5679.1	5299.1	4783.4	4085.5	3414.2	2945.5	2522.8	2246.1
49°	5857.5	5878.6	5815.8	5681.0	5321.1	4810.4	4111.5	3435.2	2891.6	2538.8	2245.9
50°	5812.5	5852.9	5796.0	5676.4	5337.6	4834.7	4134.8	3449.9	2865.8	2537.8	2232.0
51°	5763.0	5821.7	5772.2	5667.7	5356.9	4855.3	4153.4	3454.3	2870.5	2533.8	2105.8
52°	5706.2	5785.5	5745.6	5659.9	5377.9	4874.6	4152.1	3467.8	2871.1	2443.2	2103.8
53°	5644.8	5741.9	5715.4	5651.2	5395.8	4888.3	4130.5	3474.4	2892.1	2417.0	2119.3
54°	5576.0	5688.8	5684.6	5640.2	5405.0	4901.2	4107.7	3466.4	2891.5	2422.1	2131.4
55°	5498.1	5626.9	5649.3	5626.4	5408.2	4909.0	4104.4	3461.6	2887.3	2419.4	2008.0
56°	5408.2	5553.1	5607.2	5607.2	5408.2	4912.2	4105.3	3450.6	2864.3	2374.7	1980.9
57°	5310.1	5469.2	5557.2	5585.2	5406.8	4917.2	4100.7	3441.0	2821.1	2301.7	1982.0
58°	5200.5	5372.0	5497.1	5560.4	5400.9	4924.5	4082.9	3404.5	2812.2	2324.6	1887.1
59°	5081.3	5262.4	5431.6	5531.1	5392.2	4927.8	4065.0	3387.5	2806.1	2351.0	1831.8
60°	4942.0	5138.6	5352.7	5494.4	5376.6	4923.6	4046.2	3360.7	2795.1	2332.6	1827.5
61°	4765.5	4994.2	5266.1	5447.6	5354.1	4907.6	4017.2	3329.7	2770.1	2259.4	1694.8
62°	4555.3	4819.1	5167.1	5389.9	5326.6	4874.1	3976.3	3294.1	2738.0	2247.6	1683.1
63°	4320.4	4620.6	5055.7	5322.0	5289.5	4819.6	3922.9	3252.3	2729.4	2213.9	1587.4
64°	4088.5	4415.1	4931.0	5246.8	5240.9	4749.9	3860.6	3206.2	2699.7	2173.2	1543.7
65°	3887.7	4214.5	4795.3	5162.5	5184.5	4673.3	3798.3	3168.0	2639.8	2152.4	1434.9
66°	3727.8	4038.4	4646.7	5063.5	5116.2	4603.6	3717.2	3119.9	2641.4	2099.2	1385.4
67°	3623.4	3888.5	4504.6	4952.5	5031.4	4522.4	3623.0	3054.9	2658.4	2078.2	1274.4
68°	3569.6	3777.3	4368.6	4825.1	4930.5	4421.6	3489.2	2980.9	2671.5	2035.1	1182.1
69°	3521.1	3697.6	4242.7	4687.5	4807.6	4292.1	3332.7	2890.9	2610.0	1999.2	1074.1
70°	3390.2	3623.7	4121.2	4538.4	4666.0	4102.6	3091.2	2761.7	2542.0	1964.5	994.8
71°	3131.3	3497.8	4012.1	4386.7	4501.7	3855.7	2780.4	2583.6	2485.7	1919.2	938.0
72°	2789.9	3283.9	3908.5	4230.9	4319.8	3564.3	2473.3	2390.3	2411.7	1868.0	881.2
73°	2451.3	2990.1	3792.2	4079.1	4111.2	3237.7	2197.2	2191.7	2296.6	1812.7	824.4
74°	2131.1	2664.1	3652.7	3924.6	3870.5	2907.1	1940.4	1991.8	2177.2	1739.7	771.0
75°	1670.1	2305.6	3473.0	3736.5	3608.9	2556.8	1629.7	1786.5	2051.3	1642.5	695.5
76°	1049.2	1863.7	3219.2	3519.6	3298.9	2171.2	1188.5	1547.0	1918.2	1522.8	616.1
77°	495.9	1238.8	2887.6	3218.8	2945.4	1641.2	747.3	1159.4	1782.9	1351.2	540.3
78°	389.5	622.4	2480.7	2826.6	2522.7	1033.1	312.7	771.7	1630.3	1125.6	461.8
79°	288.2	477.4	1940.0	2343.5	2026.5	515.6	142.5	388.0	1386.0	900.0	391.7
80°	187.0	332.5	1244.0	1752.8	1437.7	383.7	122.2	284.4	990.0	674.7	338.4
81°	170.1	187.7	645.5	1117.8	834.4	257.1	101.9	180.8	595.3	498.2	340.5
82°	154.7	165.9	483.3	537.7	375.5	130.5	81.7	79.7	260.7	407.3	317.1
83°	140.1	148.6	328.1	412.9	257.4	110.1	70.0	64.7	197.7	347.1	253.8
84°	125.1	131.8	172.9	290.3	141.0	93.3	58.7	51.9	134.6	275.4	174.9
85°	110.0	115.2	140.0	167.7	113.2	77.4	47.6	40.9	72.7	195.7	125.1
86°	93.7	99.6	112.4	142.6	90.7	61.5	36.9	31.5	59.9	157.0	75.9
87°	77.7	84.6	93.0	113.8	72.2	47.0	26.4	23.4	46.5	118.3	49.6
88°	63.4	70.1	74.0	81.3	55.9	35.7	18.7	16.6	30.9	79.6	34.0
89°	51.9	54.9	54.3	48.2	42.9	24.4	11.1	9.9	21.5	40.9	18.3



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CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5	2968.5
1°	2926.2	2926.4	2930.1	2936.3	2945.4	2955.6	2966.4	2967.5	2978.5	2989.5	2999.1
2°	2889.6	2888.3	2893.6	2904.3	2919.9	2938.6	2960.4	2972.7	2994.7	3016.3	3035.9
3°	2857.7	2855.2	2861.9	2876.2	2896.9	2924.1	2955.6	2979.4	3013.1	3046.8	3077.5
4°	2829.9	2826.7	2834.7	2851.3	2877.6	2912.5	2953.5	2988.4	3034.6	3081.1	3123.1
5°	2804.2	2800.9	2809.8	2829.6	2860.1	2902.7	2952.6	2998.9	3057.3	3117.3	3173.2
6°	2782.8	2779.4	2789.0	2809.7	2845.5	2894.1	2954.0	3011.6	3082.4	3156.6	3227.6
7°	2765.5	2761.2	2772.0	2794.7	2831.8	2887.6	2956.2	3024.9	3109.6	3199.6	3286.0
8°	2750.3	2745.0	2756.7	2783.4	2821.9	2881.9	2959.4	3039.0	3138.6	3245.3	3347.9
9°	2736.2	2730.3	2742.9	2772.4	2815.2	2876.6	2962.6	3054.7	3169.1	3294.5	3415.6
10°	2724.9	2718.6	2731.3	2763.2	2809.9	2872.4	2968.3	3073.1	3201.8	3346.4	3486.7
11°	2716.8	2710.3	2723.1	2756.3	2805.9	2872.0	2975.3	3093.7	3238.5	3402.0	3563.9
12°	2699.8	2680.3	2706.2	2752.0	2803.6	2874.1	2976.7	3107.4	3277.4	3460.4	3645.9
13°	2668.9	2649.9	2675.1	2749.6	2802.4	2869.4	2981.5	3124.3	3309.1	3525.7	3734.0
14°	2654.8	2647.1	2660.9	2718.6	2803.2	2868.2	2986.0	3141.2	3344.8	3590.1	3827.6
15°	2656.4	2647.2	2661.1	2698.4	2797.9	2868.5	2996.0	3162.9	3381.4	3651.6	3924.8
16°	2658.3	2649.2	2663.1	2700.4	2794.5	2873.6	3005.4	3188.9	3422.7	3717.4	4026.9
17°	2662.7	2652.5	2667.9	2705.0	2773.6	2876.7	3017.3	3214.4	3472.3	3784.9	4131.3
18°	2665.7	2652.8	2671.2	2711.1	2763.0	2882.8	3034.2	3242.4	3516.0	3859.3	4233.6
19°	2667.7	2653.3	2674.0	2720.1	2759.3	2895.4	3054.7	3276.6	3564.8	3934.0	4329.9
20°	2669.9	2642.3	2677.1	2726.6	2762.6	2910.4	3074.7	3311.3	3615.8	4013.3	4430.6
21°	2615.4	2533.7	2626.7	2727.1	2772.0	2922.0	3091.0	3342.3	3674.0	4087.9	4527.3
22°	2537.3	2505.8	2552.9	2728.8	2783.7	2927.1	3099.9	3370.3	3732.4	4165.4	4617.4
23°	2525.0	2508.9	2540.2	2713.1	2792.5	2920.6	3118.3	3390.1	3789.1	4244.0	4709.5
24°	2529.8	2515.9	2546.0	2622.4	2799.8	2927.9	3141.7	3417.8	3841.6	4321.2	4799.4
25°	2538.6	2525.5	2555.5	2598.1	2806.7	2933.1	3155.8	3453.2	3887.0	4399.9	4885.1
26°	2548.8	2534.2	2566.9	2606.8	2817.6	2937.2	3173.1	3481.6	3934.0	4476.3	4970.9
27°	2557.3	2544.1	2576.8	2614.3	2818.2	2955.3	3198.5	3509.3	3988.1	4551.8	5052.5
28°	2566.2	2526.4	2588.6	2620.3	2768.6	2970.4	3222.2	3545.7	4049.0	4622.4	5134.5
29°	2521.4	2426.0	2541.0	2624.1	2720.7	2975.4	3238.0	3586.6	4108.7	4691.7	5218.0
30°	2437.1	2418.4	2457.6	2632.5	2695.6	2980.5	3251.9	3627.4	4161.1	4754.5	5302.8
31°	2434.0	2431.7	2454.1	2640.8	2692.1	2994.9	3272.7	3662.6	4219.1	4817.3	5388.5
32°	2443.8	2448.5	2464.2	2572.4	2699.6	3009.0	3297.5	3693.7	4285.1	4885.1	5472.4
33°	2455.9	2464.4	2476.7	2502.5	2712.2	3011.6	3321.0	3731.0	4353.8	4956.2	5552.6
34°	2467.6	2477.4	2487.4	2499.8	2724.9	3021.8	3334.1	3777.1	4416.6	5026.8	5623.7
35°	2476.9	2488.2	2496.1	2503.0	2730.8	3029.3	3356.5	3822.5	4470.2	5095.5	5671.3
36°	2480.3	2354.7	2497.1	2513.7	2731.7	3034.5	3378.5	3864.5	4516.7	5143.2	5692.0
37°	2345.0	2335.5	2358.7	2527.6	2727.7	3028.3	3396.4	3895.3	4556.9	5171.6	5692.4
38°	2317.0	2349.1	2336.9	2532.3	2660.3	2981.1	3411.8	3931.9	4589.4	5183.1	5677.8
39°	2325.7	2365.5	2345.4	2539.8	2625.2	2948.8	3421.2	3969.4	4616.0	5185.9	5659.4
40°	2337.2	2379.8	2354.1	2452.7	2645.6	2939.5	3433.5	3998.1	4636.2	5190.9	5649.3
41°	2338.2	2366.9	2354.8	2421.4	2659.5	2958.6	3436.5	4023.8	4651.8	5202.4	5645.2
42°	2314.8	2219.6	2332.9	2429.7	2657.3	2970.0	3442.1	4045.9	4670.1	5216.6	5651.6
43°	2183.5	2208.7	2204.9	2425.1	2668.6	2957.4	3463.3	4064.5	4690.3	5233.5	5664.0
44°	2172.5	2216.6	2196.7	2422.8	2684.4	2962.5	3485.5	4081.0	4715.5	5252.3	5675.5



REPORT NUMBER: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2183.6	2220.6	2206.9	2422.4	2695.0	2982.2	3509.1	4099.6	4744.4	5270.7	5685.6
46°	2185.4	2157.5	2206.6	2300.3	2617.5	2999.9	3491.3	4112.9	4771.9	5293.1	5695.6
47°	2129.3	2021.8	2145.1	2282.1	2568.5	3009.2	3473.8	4129.7	4799.9	5317.9	5703.9
48°	2012.9	2022.3	2039.1	2288.3	2577.0	3001.9	3489.1	4155.3	4827.4	5341.7	5707.6
49°	2021.6	2024.9	2049.6	2287.6	2593.7	2948.9	3514.4	4177.4	4853.9	5362.4	5705.3
50°	2032.8	2023.9	2061.8	2268.7	2589.3	2935.0	3527.5	4195.6	4877.3	5385.3	5700.7
51°	2039.2	1837.9	2070.7	2148.8	2581.5	2940.2	3533.8	4205.6	4896.6	5405.0	5695.6
52°	1880.8	1819.4	1906.0	2152.1	2487.1	2945.6	3547.6	4191.7	4912.2	5421.0	5689.2
53°	1859.7	1816.9	1887.4	2167.9	2472.9	2964.2	3550.0	4164.5	4926.4	5430.7	5681.4
54°	1855.2	1678.8	1882.5	2179.2	2480.6	2961.5	3541.4	4148.9	4933.3	5433.9	5671.3
55°	1725.7	1594.7	1746.0	2048.4	2478.9	2955.8	3534.2	4147.2	4936.0	5433.4	5659.9
56°	1658.6	1590.7	1686.1	2027.0	2424.1	2930.8	3519.4	4147.7	4937.4	5434.3	5644.3
57°	1656.8	1414.9	1683.7	2028.9	2369.5	2889.4	3503.5	4137.7	4940.1	5430.7	5621.8
58°	1497.9	1374.1	1519.0	1923.0	2393.7	2882.8	3461.4	4112.5	4938.8	5420.6	5590.2
59°	1457.5	1342.4	1482.9	1883.2	2419.5	2873.4	3447.6	4092.2	4933.7	5406.8	5551.2
60°	1389.8	1138.4	1399.8	1874.4	2387.8	2859.6	3407.8	4068.1	4916.8	5387.6	5507.2
61°	1255.3	1036.8	1279.2	1739.7	2322.3	2826.8	3371.7	4036.0	4883.3	5362.4	5458.6
62°	1195.8	935.3	1199.6	1731.6	2311.3	2796.5	3327.3	3992.2	4828.7	5325.2	5405.0
63°	1077.0	833.1	1085.5	1620.2	2268.7	2784.4	3278.8	3930.9	4763.6	5278.0	5340.8
64°	958.2	675.6	971.5	1585.9	2232.8	2746.7	3230.3	3868.7	4686.2	5223.9	5262.4
65°	838.3	521.0	857.3	1470.2	2207.1	2691.4	3183.4	3795.6	4613.3	5157.0	5168.9
66°	683.4	389.3	692.7	1414.1	2153.1	2698.9	3122.1	3696.0	4534.0	5079.0	5064.8
67°	555.2	258.9	545.6	1312.2	2132.2	2708.0	3042.0	3584.0	4437.5	4988.3	4950.2
68°	406.1	128.5	403.1	1207.4	2079.1	2698.9	2953.7	3432.8	4311.1	4880.5	4826.9
69°	294.1	0.3	282.7	1080.5	2034.1	2609.5	2848.6	3231.2	4146.6	4753.1	4692.1
70°	264.6	0.2	247.6	1003.2	1991.7	2525.6	2694.9	2938.5	3932.9	4605.5	4541.7
71°	235.7	0.2	216.0	941.2	1936.4	2449.1	2491.5	2609.3	3657.2	4436.2	4380.0
72°	203.6	0.2	183.9	879.1	1878.5	2357.2	2281.5	2309.3	3337.1	4249.8	4223.2
73°	169.2	0.3	149.5	816.8	1804.4	2229.1	2085.6	2057.5	3003.4	4021.7	4061.1
74°	138.3	0.3	116.1	746.5	1701.3	2106.3	1887.9	1776.2	2658.1	3745.8	3887.5
75°	109.5	0.3	95.3	661.4	1584.5	1981.9	1631.6	1371.7	2290.2	3433.6	3687.3
76°	80.8	0.4	88.2	585.3	1430.2	1836.0	1244.9	861.5	1839.7	3089.1	3448.0
77°	62.3	0.4	96.6	513.6	1221.7	1677.0	858.2	411.3	1271.2	2710.3	3137.9
78°	67.0	0.5	89.0	441.6	1012.0	1459.0	472.5	262.8	693.9	2255.6	2688.6
79°	90.9	0.6	81.3	386.0	802.3	1079.1	193.6	121.2	509.9	1739.4	2153.5
80°	93.8	0.7	73.5	355.3	594.7	699.2	138.8	102.8	325.9	1140.4	1538.9
81°	85.0	0.8	46.0	328.6	472.1	327.6	84.6	89.8	142.0	580.6	913.8
82°	61.8	0.9	25.4	281.0	394.3	243.7	69.5	77.8	120.1	430.6	397.5
83°	38.7	1.0	19.4	205.9	306.1	159.8	57.5	66.3	103.4	281.6	286.3
84°	23.1	1.1	13.4	130.7	203.7	76.8	47.1	55.2	88.0	132.6	187.3
85°	17.6	1.2	7.4	56.2	134.9	63.0	37.5	43.4	72.3	104.6	163.0
86°	12.2	1.3	6.2	33.1	66.4	50.1	29.0	33.3	57.2	84.0	137.0
87°	6.8	1.5	5.4	20.1	35.3	37.0	21.4	23.2	43.4	66.6	107.8
88°	5.3	1.6	4.6	14.2	24.4	25.6	15.1	13.1	32.0	50.6	74.0
89°	3.7	1.7	3.4	8.3	13.5	14.2	8.8	5.7	20.6	39.2	43.0



REPORT NUMBER: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2968.5	2968.5	2968.5
1°	3006.4	3011.9	3013.7
2°	3052.0	3063.2	3066.3
3°	3102.1	3118.2	3123.8
4°	3157.6	3181.4	3188.9
5°	3219.9	3250.0	3260.3
6°	3285.3	3324.2	3337.7
7°	3357.1	3405.8	3422.7
8°	3434.7	3493.0	3512.5
9°	3517.3	3586.8	3611.8
10°	3607.4	3689.4	3718.9
11°	3704.4	3799.3	3832.8
12°	3806.9	3915.7	3955.3
13°	3917.0	4043.2	4090.1
14°	4032.3	4175.3	4230.8
15°	4154.5	4314.2	4376.4
16°	4278.7	4457.8	4525.4
17°	4408.2	4604.1	4673.3
18°	4537.5	4748.1	4819.6
19°	4665.1	4885.6	4963.1
20°	4788.4	5019.0	5102.0
21°	4907.6	5146.9	5232.2
22°	5019.9	5266.1	5355.5
23°	5129.5	5384.8	5472.4
24°	5233.5	5500.3	5583.8
25°	5338.5	5610.8	5687.9
26°	5443.5	5711.2	5779.5
27°	5542.5	5801.1	5859.8
28°	5628.3	5879.0	5937.2
29°	5707.6	5957.0	6015.2
30°	5791.9	6045.9	6109.6
31°	5876.3	6128.0	6187.1
32°	5953.7	6188.5	6245.8
33°	6008.3	6219.6	6269.2
34°	6034.4	6216.9	6256.3
35°	6030.3	6181.1	6213.7
36°	6007.4	6126.6	6156.4
37°	5968.0	6070.6	6105.9
38°	5930.4	6034.9	6083.9
39°	5907.9	6017.9	6077.1
40°	5897.8	6010.1	6075.2
41°	5893.2	6006.5	6073.4
42°	5888.6	6004.2	6067.4
43°	5884.1	5999.6	6054.1
44°	5880.4	5991.8	6034.4



REPORT NUMBER: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5876.7	5977.1	6006.5
46°	5872.1	5958.3	5974.4
47°	5865.3	5937.2	5937.2
48°	5854.7	5913.4	5898.7
49°	5839.1	5888.6	5857.5
50°	5819.4	5863.4	5812.5
51°	5793.7	5835.9	5763.0
52°	5765.8	5801.1	5706.2
53°	5736.9	5758.0	5644.8
54°	5707.6	5704.8	5576.0
55°	5675.0	5642.5	5498.1
56°	5635.6	5568.7	5408.2
57°	5586.5	5486.1	5310.1
58°	5523.7	5386.2	5200.5
59°	5455.0	5276.2	5081.3
60°	5376.1	5155.6	4942.0
61°	5287.2	5017.2	4765.5
62°	5186.8	4849.4	4555.3
63°	5080.4	4653.6	4320.4
64°	4962.6	4441.7	4088.5
65°	4830.1	4242.5	3887.7
66°	4689.4	4067.1	3727.8
67°	4547.9	3921.9	3623.4
68°	4404.5	3806.9	3569.6
69°	4279.7	3722.2	3521.1
70°	4173.8	3646.7	3390.2
71°	4064.0	3529.7	3131.3
72°	3943.6	3319.4	2789.9
73°	3824.8	3023.9	2451.3
74°	3686.4	2691.6	2131.1
75°	3475.9	2328.7	1670.1
76°	3196.8	1882.9	1049.2
77°	2873.6	1300.7	495.9
78°	2474.6	696.2	389.5
79°	1915.9	524.5	288.2
80°	1186.4	358.9	187.0
81°	599.1	193.3	170.1
82°	448.9	168.3	154.7
83°	311.9	151.9	140.1
84°	174.9	134.4	125.1
85°	137.7	116.5	110.0
86°	112.0	100.0	93.7
87°	92.2	84.7	77.7
88°	73.2	69.6	63.4
89°	52.6	54.4	51.9



REPORT NUMBER: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436820

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)