

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: P1445041

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445041
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-120W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 16859.5 lumens
Efficiency: 43.6%
Efficacy: 136.8 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

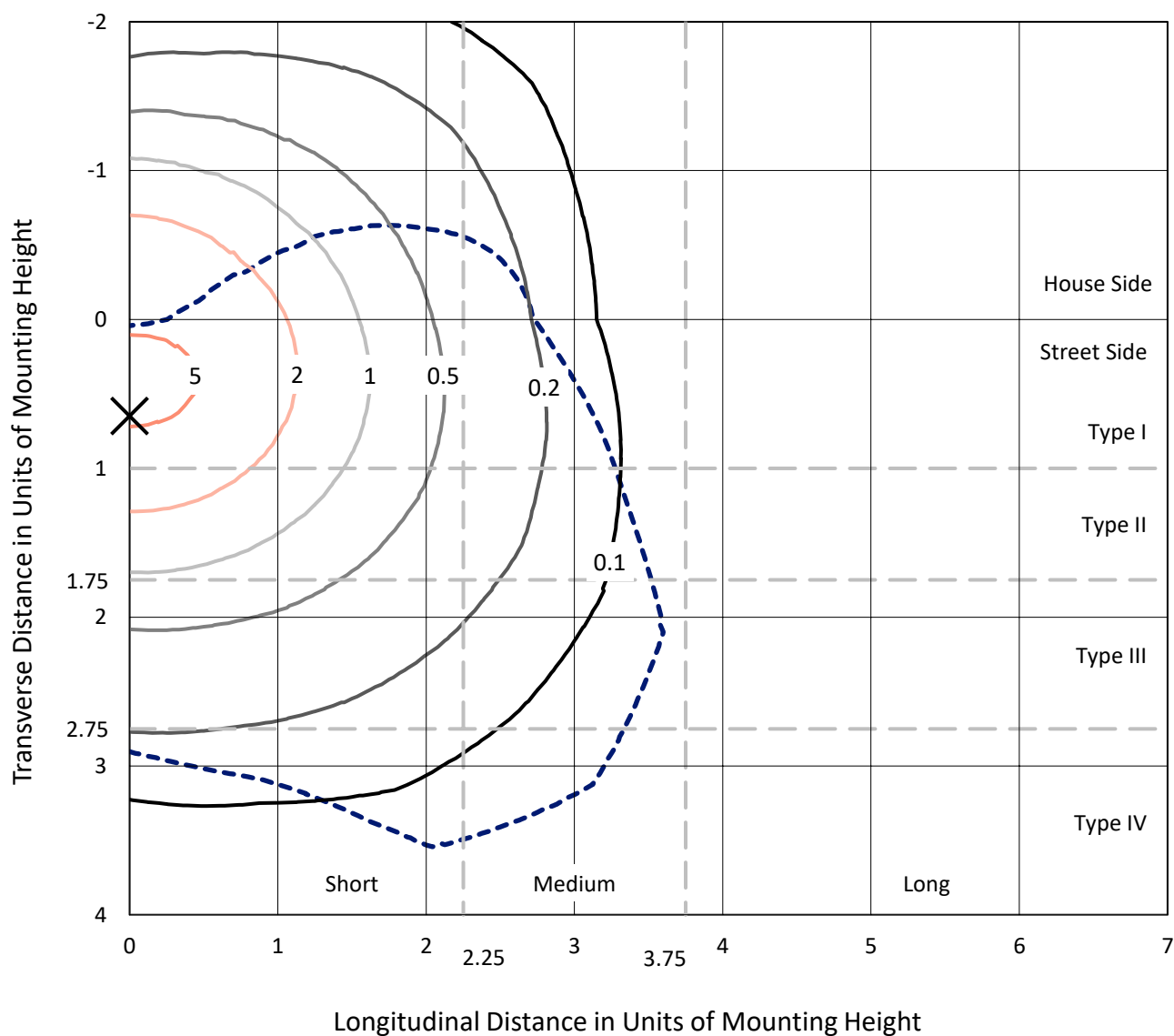
Input Watts (W): 123.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

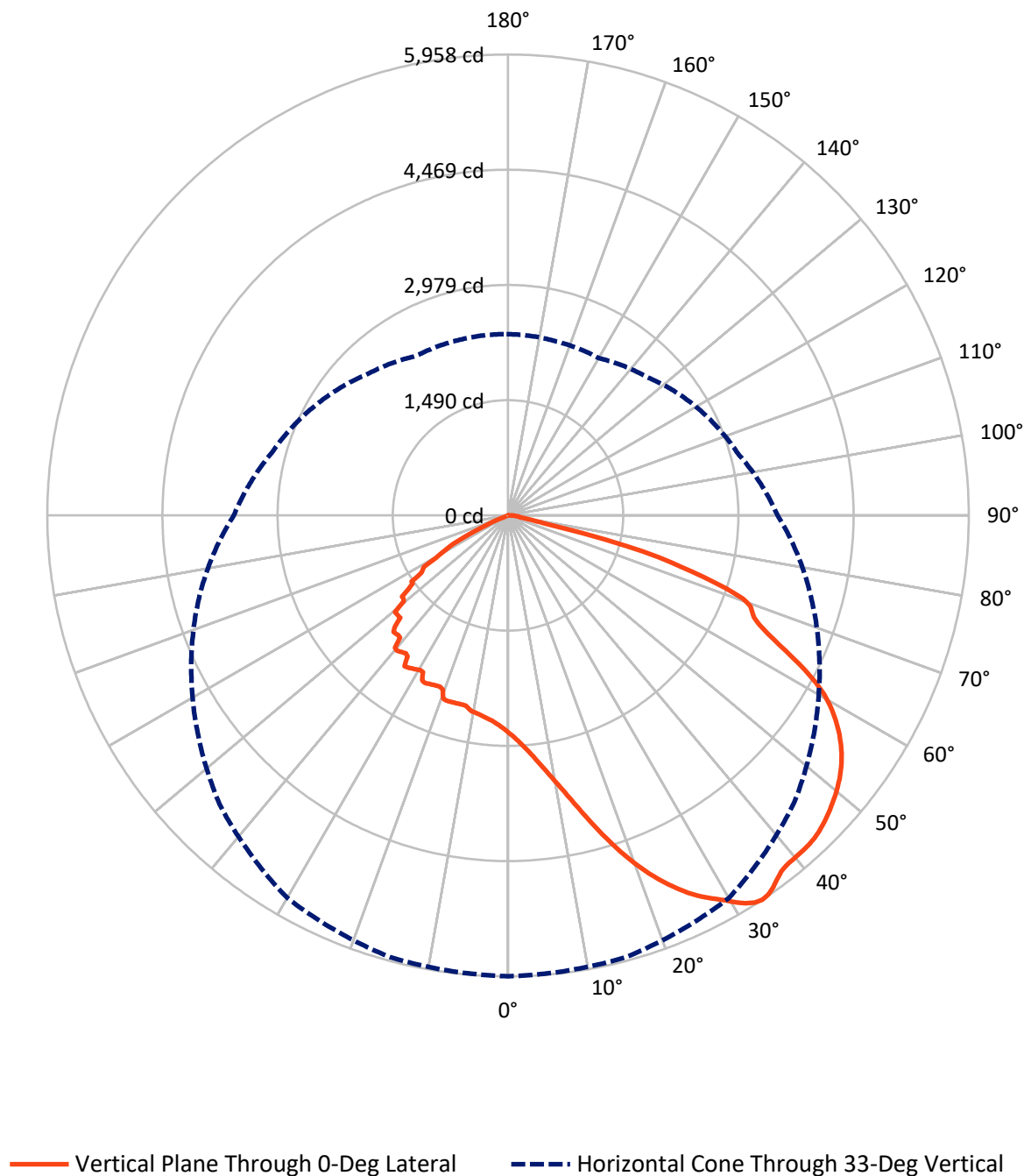


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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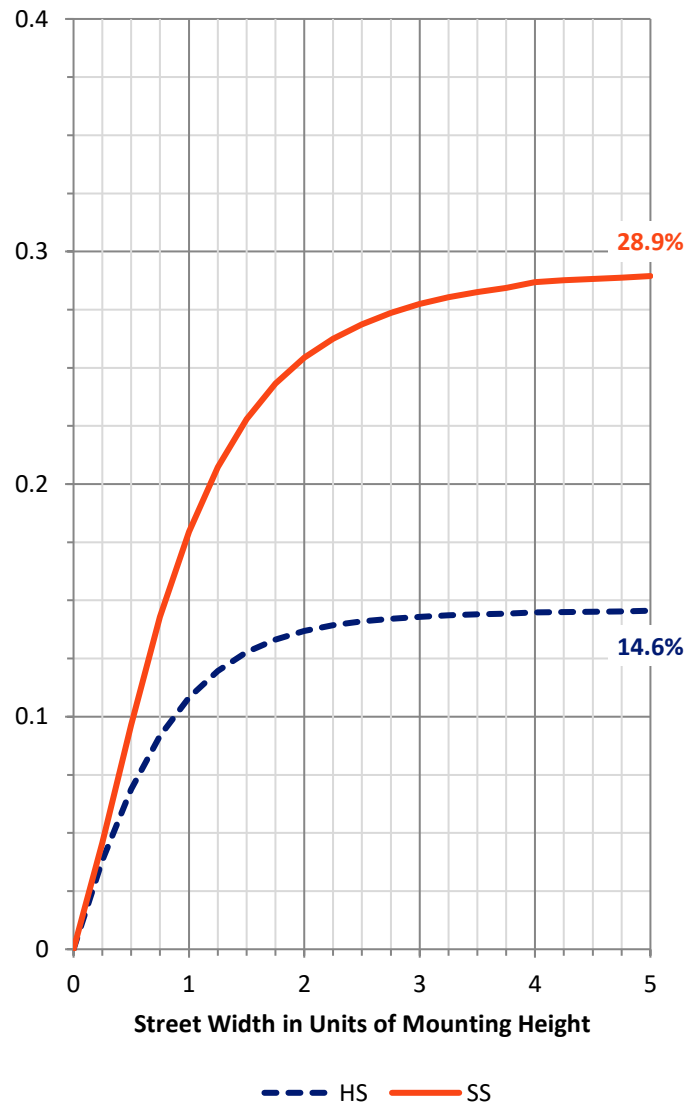
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5661.4	0.0	5661.4
	% Lamp	14.6	0.0	14.6
Street Side	Lumens	11198.1	0.0	11198.1
	% Lamp	28.9	0.0	28.9
Total	Lumens	16859.5	0.0	16859.5
	% Lamp	43.6	0.0	43.6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	277.3	1.6	0.7
10°-20°	908.8	5.4	2.3
20°-30°	1674.5	9.9	4.3
30°-40°	2442.0	14.5	6.3
40°-50°	3014.1	17.9	7.8
50°-60°	3366.3	20.0	8.7
60°-70°	3153.1	18.7	8.1
70°-80°	1869.9	11.1	4.8
80°-90°	153.5	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°	16859.5	100.0	43.6
0°-180°	16859.5	100.0	43.6

Coefficient of Utilization



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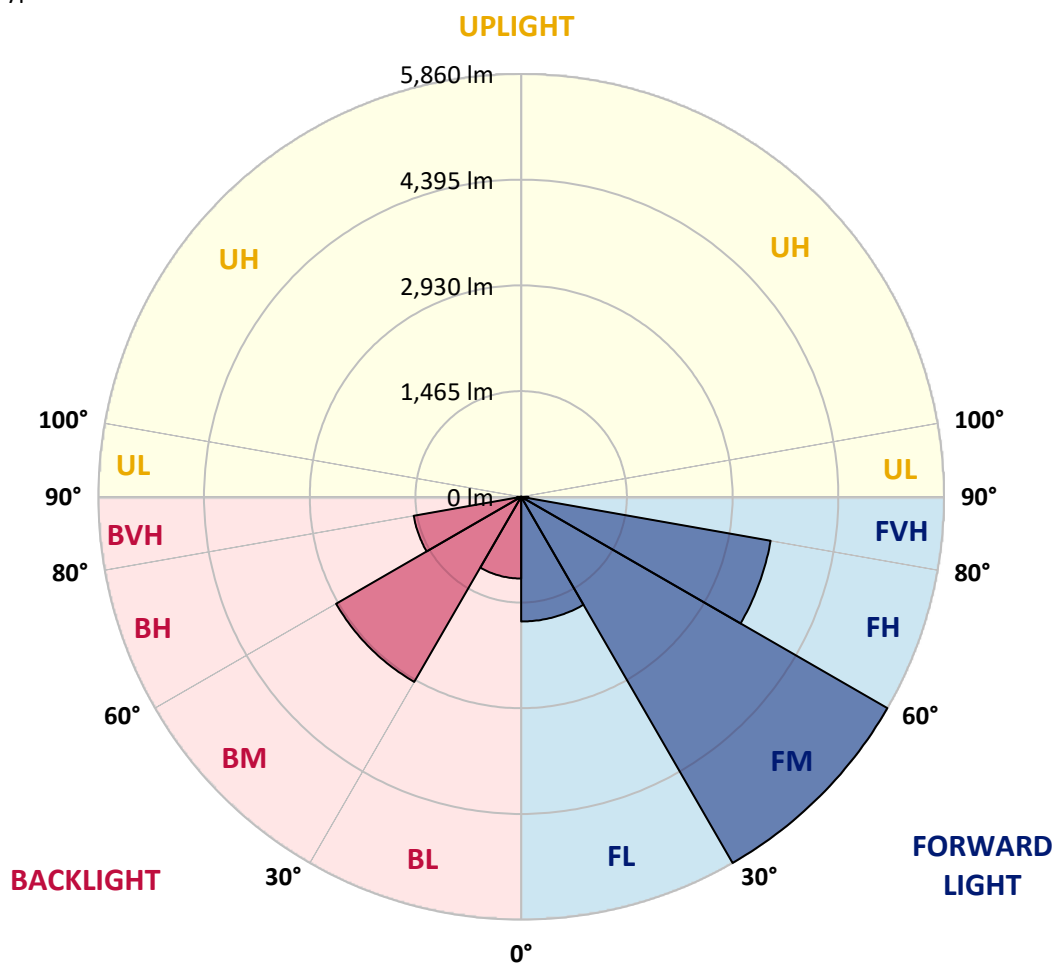
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1727.9	4.5			
FM	(30°-60°)	5860.1	15.1			
FH	(60°-80°)	3510.4	9.1			G2/5000
FVH	(80°-90°)	99.6	0.3			G1/100
BL	(0°-30°)	1132.7	2.9	B3/2500		
BM	(30°-60°)	2962.3	7.7	B3/5000		
BH	(60°-80°)	1512.5	3.9	B3/2500		G3/2500
BVH	(80°-90°)	53.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		21835.5	56.4			

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°	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3
1°	2864.2	2864.5	2861.0	2855.5	2847.9	2837.4	2817.1	2806.5	2796.6	2789.3	2783.6
2°	2914.3	2912.3	2902.7	2888.4	2871.0	2849.8	2818.3	2797.2	2778.1	2762.8	2751.5
3°	2968.9	2964.9	2949.4	2926.5	2897.3	2864.5	2821.8	2790.3	2762.6	2739.7	2724.2
4°	3030.8	3023.6	3001.7	2969.2	2927.7	2883.1	2828.3	2786.3	2749.0	2719.8	2700.0
5°	3098.6	3088.6	3058.4	3015.0	2962.1	2904.4	2838.0	2785.1	2739.1	2703.4	2679.2
6°	3172.1	3158.9	3121.8	3066.7	2999.6	2927.1	2848.3	2785.6	2731.1	2689.1	2659.7
7°	3253.0	3237.5	3190.5	3122.9	3039.5	2951.2	2859.4	2786.7	2724.9	2676.6	2644.8
8°	3338.3	3319.3	3264.9	3182.9	3082.5	2977.9	2872.6	2789.2	2719.8	2667.1	2633.5
9°	3432.7	3409.0	3345.1	3247.1	3128.9	3006.9	2887.4	2792.6	2715.1	2661.1	2623.8
10°	3534.5	3506.9	3430.4	3315.9	3178.3	3037.6	2902.5	2796.7	2711.0	2656.4	2615.8
11°	3642.7	3610.7	3523.4	3390.5	3230.6	3070.6	2919.9	2802.4	2709.7	2652.7	2609.1
12°	3759.2	3722.0	3621.1	3468.7	3285.4	3105.4	2931.7	2803.1	2711.2	2649.7	2605.5
13°	3887.3	3842.5	3725.4	3552.4	3344.3	3134.6	2945.0	2804.6	2705.9	2647.9	2601.7
14°	4021.0	3969.0	3833.7	3639.2	3406.8	3166.4	2961.0	2806.7	2702.8	2648.3	2573.7
15°	4159.4	4102.0	3948.2	3728.1	3464.4	3200.2	2979.0	2813.0	2700.0	2642.5	2556.2
16°	4301.0	4234.2	4065.5	3821.8	3526.5	3237.7	3003.7	2824.5	2701.1	2633.3	2556.7
17°	4441.6	4370.6	4183.8	3917.6	3590.2	3279.3	3025.8	2832.7	2704.8	2611.8	2560.1
18°	4580.6	4503.4	4302.8	4015.2	3652.9	3324.3	3050.8	2844.8	2708.0	2599.0	2564.9
19°	4716.9	4633.7	4421.1	4110.6	3721.2	3367.1	3080.6	2862.8	2715.3	2598.7	2571.9
20°	4849.0	4761.8	4535.7	4196.7	3789.1	3412.7	3112.7	2882.6	2727.3	2600.9	2577.9
21°	4972.7	4884.2	4646.8	4289.9	3861.6	3463.2	3144.6	2898.5	2738.8	2604.9	2578.6
22°	5089.9	5000.1	4753.5	4374.0	3928.7	3516.9	3171.2	2904.5	2741.9	2615.3	2578.1
23°	5201.0	5113.0	4858.5	4456.8	3999.3	3571.8	3187.7	2915.3	2731.3	2625.2	2556.8
24°	5306.9	5219.3	4960.1	4539.2	4068.9	3621.3	3209.4	2934.9	2734.4	2630.1	2471.6
25°	5405.8	5323.4	5059.0	4622.0	4137.9	3666.1	3239.6	2946.3	2737.2	2635.3	2441.9
26°	5492.9	5414.5	5155.3	4700.8	4208.4	3704.4	3269.4	2958.4	2740.6	2643.9	2446.3
27°	5569.2	5497.3	5246.8	4777.9	4278.4	3748.3	3291.1	2978.6	2755.7	2645.0	2453.5
28°	5642.8	5571.8	5333.0	4853.7	4347.2	3800.0	3320.7	2999.2	2770.8	2594.8	2458.1
29°	5716.9	5647.2	5411.0	4924.8	4409.8	3855.6	3358.2	3015.9	2776.8	2547.0	2461.7
30°	5806.6	5733.0	5488.6	4998.0	4469.5	3903.8	3396.5	3025.9	2780.3	2524.3	2466.5
31°	5880.3	5811.9	5569.6	5077.7	4517.4	3951.0	3431.0	3039.7	2792.3	2519.5	2473.7
32°	5936.0	5874.2	5645.4	5160.9	4573.2	4000.2	3458.9	3060.3	2806.2	2522.3	2415.2
33°	5958.3	5910.3	5711.2	5239.3	4639.4	4054.9	3486.6	3079.4	2808.3	2532.2	2347.7
34°	5946.1	5906.4	5749.6	5311.2	4709.1	4113.2	3521.5	3091.0	2817.4	2543.5	2342.7
35°	5905.5	5872.9	5749.1	5364.8	4775.3	4172.5	3561.3	3108.4	2825.4	2551.4	2346.1
36°	5851.1	5824.1	5720.4	5398.8	4834.1	4227.6	3600.1	3129.7	2831.3	2553.4	2354.4
37°	5803.1	5769.2	5679.0	5404.9	4872.9	4269.7	3629.2	3145.4	2827.4	2550.7	2368.8
38°	5782.2	5734.3	5639.8	5393.1	4896.9	4308.7	3660.0	3159.9	2779.8	2486.1	2375.5
39°	5775.7	5717.7	5613.6	5377.0	4904.7	4342.7	3701.5	3173.6	2744.3	2450.8	2378.1
40°	5774.0	5709.0	5601.4	5367.0	4903.9	4367.1	3740.8	3187.8	2733.6	2466.7	2295.6
41°	5772.2	5704.2	5595.3	5363.5	4910.8	4385.8	3770.8	3197.9	2752.1	2483.2	2260.7
42°	5766.5	5699.4	5591.8	5362.6	4926.1	4404.5	3792.2	3203.6	2770.4	2483.1	2271.9
43°	5753.9	5693.8	5589.2	5367.0	4943.9	4421.1	3807.1	3222.0	2764.1	2488.9	2269.0
44°	5735.2	5685.1	5584.4	5375.3	4963.5	4438.5	3819.4	3240.1	2764.9	2504.4	2266.4

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5708.6	5671.1	5577.0	5383.6	4981.8	4461.6	3834.5	3263.1	2780.5	2515.4	2265.7
46°	5678.1	5653.3	5567.4	5388.8	5000.1	4489.5	3849.7	3255.5	2797.9	2443.9	2155.3
47°	5642.8	5633.7	5556.1	5392.7	5018.4	4518.7	3861.1	3235.2	2801.6	2393.5	2126.6
48°	5606.2	5610.6	5543.5	5397.5	5036.3	4546.1	3882.9	3244.9	2799.4	2397.7	2134.7
49°	5567.0	5587.0	5527.3	5399.2	5057.2	4571.8	3907.6	3264.8	2748.2	2412.9	2134.5
50°	5524.3	5562.6	5508.6	5394.9	5072.9	4594.9	3929.7	3278.8	2723.7	2412.0	2121.3
51°	5477.2	5533.0	5486.0	5386.6	5091.2	4614.5	3947.4	3283.0	2728.1	2408.2	2001.4
52°	5423.2	5498.6	5460.7	5379.2	5111.2	4632.8	3946.2	3295.8	2728.7	2322.1	1999.5
53°	5364.8	5457.2	5431.9	5370.9	5128.2	4645.9	3925.7	3302.1	2748.6	2297.1	2014.2
54°	5299.5	5406.7	5402.7	5360.5	5137.0	4658.1	3904.0	3294.5	2748.1	2302.0	2025.7
55°	5225.4	5347.8	5369.2	5347.4	5140.0	4665.5	3900.9	3290.0	2744.1	2299.4	1908.4
56°	5140.0	5277.7	5329.1	5329.1	5140.0	4668.6	3901.7	3279.5	2722.3	2256.9	1882.7
57°	5046.8	5198.0	5281.6	5308.2	5138.7	4673.4	3897.3	3270.4	2681.2	2187.5	1883.7
58°	4942.6	5105.6	5224.5	5284.7	5133.0	4680.3	3880.5	3235.7	2672.8	2209.3	1793.5
59°	4829.3	5001.5	5162.2	5256.8	5124.8	4683.4	3863.4	3219.6	2666.9	2234.4	1741.0
60°	4696.9	4883.8	5087.3	5221.9	5109.9	4679.5	3845.6	3194.1	2656.4	2216.9	1736.9
61°	4529.1	4746.6	5004.9	5177.5	5088.6	4664.2	3818.0	3164.6	2632.7	2147.4	1610.8
62°	4329.4	4580.1	4910.8	5122.6	5062.4	4632.4	3779.1	3130.8	2602.2	2136.1	1599.6
63°	4106.2	4391.5	4804.9	5058.1	5027.2	4580.6	3728.4	3091.1	2594.0	2104.1	1508.7
64°	3885.8	4196.2	4686.4	4986.6	4981.0	4514.3	3669.2	3047.2	2565.8	2065.4	1467.1
65°	3694.9	4005.5	4557.5	4906.5	4927.4	4441.6	3609.9	3010.9	2508.9	2045.6	1363.8
66°	3543.0	3838.2	4416.3	4812.4	4862.5	4375.3	3532.9	2965.2	2510.4	1995.1	1316.7
67°	3443.7	3695.6	4281.2	4706.9	4781.9	4298.1	3443.3	2903.4	2526.6	1975.2	1211.2
68°	3392.6	3590.0	4152.0	4585.8	4686.0	4202.3	3316.2	2833.1	2539.0	1934.2	1123.5
69°	3346.5	3514.2	4032.3	4455.1	4569.2	4079.2	3167.4	2747.5	2480.6	1900.0	1020.8
70°	3222.0	3444.0	3916.9	4313.3	4434.6	3899.1	2937.9	2624.7	2415.9	1867.1	945.4
71°	2976.0	3324.4	3813.1	4169.1	4278.5	3664.5	2642.5	2455.5	2362.5	1824.0	891.5
72°	2651.5	3121.1	3714.6	4021.1	4105.6	3387.6	2350.6	2271.8	2292.1	1775.3	837.5
73°	2329.7	2841.8	3604.1	3876.8	3907.3	3077.1	2088.2	2083.0	2182.7	1722.8	783.5
74°	2025.5	2532.0	3471.6	3730.0	3678.5	2762.9	1844.2	1893.0	2069.2	1653.5	732.8
75°	1587.3	2191.2	3300.8	3551.2	3429.9	2430.0	1548.9	1697.9	1949.6	1561.0	661.0
76°	997.2	1771.3	3059.5	3345.1	3135.3	2063.5	1129.6	1470.3	1823.1	1447.3	585.6
77°	471.3	1177.4	2744.4	3059.2	2799.4	1559.8	710.2	1101.9	1694.5	1284.2	513.5
78°	370.2	591.5	2357.6	2686.4	2397.6	981.9	297.2	733.5	1549.5	1069.8	438.9
79°	273.9	453.7	1843.8	2227.3	1926.0	490.0	135.4	368.7	1317.3	855.4	372.3
80°	177.7	316.0	1182.3	1665.9	1366.4	364.7	116.1	270.3	940.9	641.2	321.6
81°	161.7	178.4	613.5	1062.3	793.0	244.4	96.8	171.8	565.8	473.5	323.6
82°	147.1	157.6	459.4	511.0	356.8	124.0	77.6	75.7	247.8	387.1	301.4
83°	133.1	141.2	311.9	392.4	244.7	104.6	66.5	61.5	187.9	329.9	241.2
84°	118.9	125.2	164.4	275.9	134.0	88.7	55.8	49.4	128.0	261.7	166.2
85°	104.5	109.5	133.0	159.4	107.6	73.6	45.2	38.9	69.1	186.0	118.9
86°	89.1	94.6	106.9	135.5	86.2	58.4	35.0	29.9	57.0	149.2	72.2
87°	73.9	80.4	88.4	108.1	68.7	44.7	25.0	22.2	44.2	112.4	47.2
88°	60.2	66.6	70.3	77.3	53.2	33.9	17.8	15.8	29.4	75.6	32.3
89°	49.3	52.2	51.6	45.8	40.8	23.2	10.5	9.4	20.4	38.9	17.4

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CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445041

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3	2821.3
1°	2781.1	2781.3	2784.8	2790.7	2799.3	2809.0	2819.3	2820.4	2830.8	2841.2	2850.3
2°	2746.3	2745.1	2750.1	2760.3	2775.1	2792.9	2813.6	2825.2	2846.2	2866.7	2885.4
3°	2716.0	2713.7	2720.0	2733.6	2753.2	2779.1	2809.0	2831.7	2863.7	2895.7	2924.9
4°	2689.6	2686.6	2694.1	2709.9	2734.9	2768.0	2807.0	2840.2	2884.1	2928.3	2968.2
5°	2665.1	2662.0	2670.4	2689.3	2718.2	2758.7	2806.2	2850.2	2905.7	2962.7	3015.9
6°	2644.8	2641.5	2650.7	2670.4	2704.4	2750.6	2807.5	2862.2	2929.5	3000.1	3067.6
7°	2628.3	2624.3	2634.6	2656.1	2691.3	2744.4	2809.6	2874.9	2955.4	3040.9	3123.0
8°	2613.9	2608.9	2620.0	2645.3	2682.0	2739.0	2812.6	2888.3	2982.9	3084.4	3181.9
9°	2600.5	2594.9	2606.9	2634.9	2675.6	2733.9	2815.7	2903.2	3011.9	3131.1	3246.2
10°	2589.7	2583.8	2595.8	2626.2	2670.6	2730.0	2821.1	2920.7	3043.0	3180.4	3313.8
11°	2582.1	2575.9	2588.1	2619.6	2666.8	2729.6	2827.7	2940.3	3077.9	3233.3	3387.1
12°	2565.9	2547.3	2572.0	2615.5	2664.6	2731.6	2829.1	2953.3	3114.9	3288.8	3465.1
13°	2536.5	2518.5	2542.4	2613.2	2663.5	2727.1	2833.6	2969.3	3145.0	3350.9	3548.8
14°	2523.1	2515.8	2529.0	2583.8	2664.2	2725.9	2837.9	2985.4	3178.9	3412.0	3637.7
15°	2524.6	2515.9	2529.1	2564.6	2659.2	2726.3	2847.4	3006.1	3213.8	3470.5	3730.2
16°	2526.4	2517.8	2531.1	2566.5	2655.9	2731.1	2856.3	3030.7	3253.0	3533.0	3827.2
17°	2530.6	2520.9	2535.6	2570.9	2636.0	2734.1	2867.7	3055.0	3300.1	3597.2	3926.4
18°	2533.5	2521.2	2538.8	2576.7	2626.0	2739.8	2883.8	3081.6	3341.7	3667.9	4023.7
19°	2535.5	2521.7	2541.4	2585.2	2622.4	2751.8	2903.2	3114.1	3388.0	3738.9	4115.1
20°	2537.5	2511.2	2544.4	2591.4	2625.6	2766.1	2922.2	3147.1	3436.5	3814.3	4210.9
21°	2485.7	2408.0	2496.4	2591.8	2634.5	2777.0	2937.7	3176.6	3491.8	3885.2	4302.8
22°	2411.5	2381.5	2426.3	2593.4	2645.6	2781.9	2946.1	3203.1	3547.3	3958.9	4388.4
23°	2399.8	2384.5	2414.2	2578.6	2654.0	2775.7	2963.6	3221.9	3601.2	4033.6	4476.0
24°	2404.3	2391.1	2419.8	2492.4	2661.0	2782.7	2985.9	3248.3	3651.1	4106.9	4561.4
25°	2412.7	2400.3	2428.8	2469.2	2667.6	2787.7	2999.3	3281.9	3694.2	4181.7	4642.9
26°	2422.4	2408.5	2439.6	2477.5	2677.9	2791.5	3015.8	3308.9	3738.9	4254.3	4724.3
27°	2430.5	2417.9	2449.1	2484.6	2678.4	2808.8	3039.9	3335.3	3790.3	4326.1	4801.9
28°	2438.9	2401.1	2460.2	2490.4	2631.3	2823.1	3062.4	3369.8	3848.2	4393.2	4879.9
29°	2396.4	2305.7	2415.0	2494.0	2585.8	2827.8	3077.4	3408.7	3904.9	4459.0	4959.2
30°	2316.2	2298.4	2335.7	2501.9	2561.9	2832.7	3090.6	3447.5	3954.8	4518.7	5039.8
31°	2313.3	2311.1	2332.4	2509.9	2558.6	2846.4	3110.4	3481.0	4009.8	4578.4	5121.3
32°	2322.6	2327.1	2342.0	2444.8	2565.7	2859.8	3134.0	3510.6	4072.6	4642.9	5201.0
33°	2334.1	2342.2	2353.8	2378.4	2577.7	2862.3	3156.3	3545.9	4137.9	4710.4	5277.3
34°	2345.2	2354.5	2364.0	2375.8	2589.7	2872.0	3168.7	3589.8	4197.5	4777.5	5344.8
35°	2354.1	2364.8	2372.3	2378.9	2595.4	2879.0	3190.0	3632.9	4248.6	4842.9	5390.1
36°	2357.3	2237.9	2373.2	2389.1	2596.3	2884.0	3210.9	3672.9	4292.7	4888.2	5409.7
37°	2228.7	2219.7	2241.7	2402.3	2592.4	2878.1	3228.0	3702.1	4330.9	4915.2	5410.1
38°	2202.1	2232.6	2221.0	2406.7	2528.3	2833.3	3242.6	3736.9	4361.8	4926.1	5396.2
39°	2210.3	2248.1	2229.1	2413.8	2495.1	2802.5	3251.6	3772.6	4387.1	4928.7	5378.8
40°	2221.3	2261.7	2237.3	2331.1	2514.4	2793.7	3263.2	3799.9	4406.3	4933.5	5369.2
41°	2222.3	2249.5	2238.0	2301.3	2527.6	2811.9	3266.1	3824.2	4421.1	4944.4	5365.3
42°	2200.0	2109.5	2217.2	2309.2	2525.5	2822.7	3271.4	3845.3	4438.5	4957.9	5371.4
43°	2075.2	2099.1	2095.6	2304.8	2536.3	2810.8	3291.5	3862.9	4457.7	4974.0	5383.1
44°	2064.8	2106.7	2087.7	2302.6	2551.3	2815.6	3312.6	3878.6	4481.7	4991.9	5394.0

REPORT NUMBER: P1445041

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2075.3	2110.5	2097.4	2302.3	2561.4	2834.3	3335.1	3896.3	4509.1	5009.3	5403.6
46°	2077.0	2050.5	2097.2	2186.2	2487.7	2851.1	3318.2	3909.0	4535.2	5030.6	5413.2
47°	2023.7	1921.5	2038.7	2168.9	2441.2	2860.0	3301.5	3924.9	4561.8	5054.2	5421.0
48°	1913.0	1922.0	1938.0	2174.9	2449.2	2853.1	3316.1	3949.2	4588.0	5076.8	5424.5
49°	1921.3	1924.5	1948.0	2174.2	2465.0	2802.6	3340.1	3970.2	4613.2	5096.4	5422.3
50°	1932.0	1923.5	1959.6	2156.2	2460.9	2789.4	3352.6	3987.6	4635.5	5118.2	5418.0
51°	1938.1	1746.8	1968.0	2042.2	2453.5	2794.3	3358.5	3997.1	4653.8	5137.0	5413.2
52°	1787.5	1729.2	1811.4	2045.4	2363.8	2799.5	3371.7	3983.9	4668.6	5152.2	5407.1
53°	1767.5	1726.8	1793.8	2060.4	2350.2	2817.2	3374.0	3957.9	4682.1	5161.4	5399.7
54°	1763.2	1595.6	1789.2	2071.2	2357.6	2814.6	3365.8	3943.2	4688.6	5164.4	5390.1
55°	1640.2	1515.6	1659.4	1946.8	2356.0	2809.2	3358.9	3941.5	4691.2	5164.0	5379.2
56°	1576.3	1511.8	1602.5	1926.5	2303.9	2785.5	3344.9	3942.0	4692.5	5164.8	5364.4
57°	1574.6	1344.7	1600.2	1928.3	2252.0	2746.1	3329.7	3932.5	4695.1	5161.4	5343.0
58°	1423.7	1306.0	1443.7	1827.6	2275.0	2739.9	3289.7	3908.6	4693.8	5151.8	5313.0
59°	1385.2	1275.8	1409.4	1789.8	2299.6	2730.9	3276.6	3889.3	4689.1	5138.7	5275.9
60°	1320.9	1081.9	1330.3	1781.5	2269.4	2717.7	3238.8	3866.4	4672.9	5120.4	5234.1
61°	1193.0	985.4	1215.8	1653.5	2207.1	2686.6	3204.5	3835.9	4641.1	5096.4	5187.9
62°	1136.5	888.9	1140.1	1645.7	2196.6	2657.8	3162.3	3794.2	4589.3	5061.1	5137.0
63°	1023.6	791.8	1031.7	1539.9	2156.2	2646.3	3116.2	3735.9	4527.4	5016.3	5076.0
64°	910.7	642.1	923.3	1507.2	2122.1	2610.5	3070.1	3676.9	4453.8	4964.9	5001.5
65°	796.8	495.2	814.8	1397.3	2097.6	2558.0	3025.6	3607.3	4384.5	4901.2	4912.6
66°	649.5	370.0	658.4	1344.0	2046.4	2565.1	2967.3	3512.7	4309.2	4827.2	4813.7
67°	527.6	246.1	518.6	1247.1	2026.4	2573.7	2891.1	3406.3	4217.4	4740.9	4704.7
68°	385.9	122.1	383.1	1147.6	1976.0	2565.1	2807.2	3262.6	4097.3	4638.5	4587.5
69°	279.5	0.3	268.7	1026.9	1933.2	2480.1	2707.3	3070.9	3940.9	4517.4	4459.4
70°	251.5	0.2	235.3	953.5	1893.0	2400.4	2561.2	2792.8	3737.9	4377.1	4316.4
71°	224.0	0.2	205.3	894.5	1840.3	2327.7	2367.9	2479.9	3475.9	4216.2	4162.8
72°	193.5	0.2	174.8	835.5	1785.3	2240.3	2168.3	2194.8	3171.6	4039.1	4013.8
73°	160.8	0.2	142.1	776.3	1714.9	2118.5	1982.2	1955.4	2854.5	3822.3	3859.7
74°	131.4	0.3	110.4	709.5	1616.9	2001.8	1794.3	1688.1	2526.3	3560.0	3694.7
75°	104.0	0.3	90.6	628.6	1505.9	1883.6	1550.7	1303.7	2176.6	3263.3	3504.5
76°	76.8	0.3	83.8	556.3	1359.3	1745.0	1183.2	818.8	1748.4	2936.0	3277.0
77°	59.2	0.4	91.8	488.1	1161.2	1593.8	815.6	390.9	1208.2	2575.9	2982.3
78°	63.7	0.5	84.5	419.7	961.8	1386.7	449.1	249.8	659.5	2143.8	2555.2
79°	86.4	0.5	77.3	366.8	762.5	1025.6	184.0	115.2	484.6	1653.1	2046.7
80°	89.1	0.6	69.9	337.7	565.2	664.5	131.9	97.7	309.8	1083.8	1462.6
81°	80.8	0.7	43.7	312.3	448.7	311.3	80.4	85.3	134.9	551.8	868.5
82°	58.7	0.8	24.2	267.1	374.8	231.6	66.1	74.0	114.1	409.3	377.8
83°	36.8	0.9	18.5	195.7	290.9	151.9	54.6	63.0	98.2	267.6	272.1
84°	21.9	1.0	12.7	124.2	193.6	73.0	44.8	52.4	83.7	126.0	178.0
85°	16.7	1.1	7.0	53.4	128.2	59.9	35.7	41.3	68.7	99.4	154.9
86°	11.6	1.3	5.9	31.5	63.1	47.6	27.5	31.6	54.4	79.9	130.2
87°	6.5	1.4	5.1	19.1	33.5	35.2	20.3	22.1	41.2	63.3	102.4
88°	5.1	1.5	4.3	13.5	23.2	24.3	14.4	12.5	30.4	48.0	70.3
89°	3.5	1.7	3.2	7.9	12.8	13.5	8.4	5.5	19.6	37.3	40.9

REPORT NUMBER: P1445041

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2821.3	2821.3	2821.3
1°	2857.3	2862.6	2864.2
2°	2900.6	2911.2	2914.3
3°	2948.3	2963.6	2968.9
4°	3001.0	3023.6	3030.8
5°	3060.2	3088.8	3098.6
6°	3122.4	3159.3	3172.1
7°	3190.7	3236.9	3253.0
8°	3264.3	3319.8	3338.3
9°	3342.9	3409.0	3432.7
10°	3428.5	3506.4	3534.5
11°	3520.7	3610.9	3642.7
12°	3618.1	3721.5	3759.2
13°	3722.7	3842.7	3887.3
14°	3832.4	3968.2	4021.0
15°	3948.4	4100.2	4159.4
16°	4066.5	4236.7	4301.0
17°	4189.6	4375.8	4441.6
18°	4312.5	4512.6	4580.6
19°	4433.7	4643.3	4716.9
20°	4550.9	4770.1	4849.0
21°	4664.2	4891.7	4972.7
22°	4771.0	5004.9	5089.9
23°	4875.1	5117.8	5201.0
24°	4974.0	5227.6	5306.9
25°	5073.8	5332.6	5405.8
26°	5173.6	5428.0	5492.9
27°	5267.7	5513.4	5569.2
28°	5349.1	5587.5	5642.8
29°	5424.5	5661.5	5716.9
30°	5504.7	5746.1	5806.6
31°	5584.9	5824.1	5880.3
32°	5658.5	5881.6	5936.0
33°	5710.3	5911.2	5958.3
34°	5735.2	5908.6	5946.1
35°	5731.3	5874.6	5905.5
36°	5709.5	5822.8	5851.1
37°	5672.0	5769.6	5803.1
38°	5636.3	5735.6	5782.2
39°	5614.9	5719.5	5775.7
40°	5605.3	5712.1	5774.0
41°	5601.0	5708.6	5772.2
42°	5596.6	5706.4	5766.5
43°	5592.3	5702.1	5753.9
44°	5588.8	5694.7	5735.2

REPORT NUMBER: P1445041

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5585.3	5680.7	5708.6
46°	5580.9	5662.8	5678.1
47°	5574.4	5642.8	5642.8
48°	5564.4	5620.2	5606.2
49°	5549.6	5596.6	5567.0
50°	5530.8	5572.7	5524.3
51°	5506.4	5546.5	5477.2
52°	5479.9	5513.4	5423.2
53°	5452.4	5472.4	5364.8
54°	5424.5	5421.9	5299.5
55°	5393.6	5362.6	5225.4
56°	5356.1	5292.5	5140.0
57°	5309.5	5214.1	5046.8
58°	5249.8	5119.1	4942.6
59°	5184.4	5014.5	4829.3
60°	5109.5	4899.9	4696.9
61°	5025.0	4768.3	4529.1
62°	4929.6	4608.9	4329.4
63°	4828.5	4422.8	4106.2
64°	4716.5	4221.5	3885.8
65°	4590.6	4032.1	3694.9
66°	4456.8	3865.4	3543.0
67°	4322.4	3727.4	3443.7
68°	4186.1	3618.1	3392.6
69°	4067.5	3537.6	3346.5
70°	3966.8	3465.9	3222.0
71°	3862.4	3354.6	2976.0
72°	3748.0	3154.8	2651.5
73°	3635.2	2873.9	2329.7
74°	3503.6	2558.1	2025.5
75°	3303.6	2213.2	1587.3
76°	3038.3	1789.5	997.2
77°	2731.1	1236.2	471.3
78°	2351.8	661.7	370.2
79°	1820.9	498.5	273.9
80°	1127.6	341.1	177.7
81°	569.4	183.7	161.7
82°	426.6	160.0	147.1
83°	296.4	144.3	133.1
84°	166.2	127.7	118.9
85°	130.9	110.7	104.5
86°	106.5	95.0	89.1
87°	87.6	80.5	73.9
88°	69.6	66.2	60.2
89°	50.0	51.7	49.3

REPORT NUMBER: P1445041

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4-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: P1445041

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)