

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: P1445089

Luminaire Tested: XAS300-SFPM (5000K-120W-T4-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445089
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 (5000K-120W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 17886.3 lumens
Efficiency: 46.2%
Efficacy: 145.1 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): 123.3
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

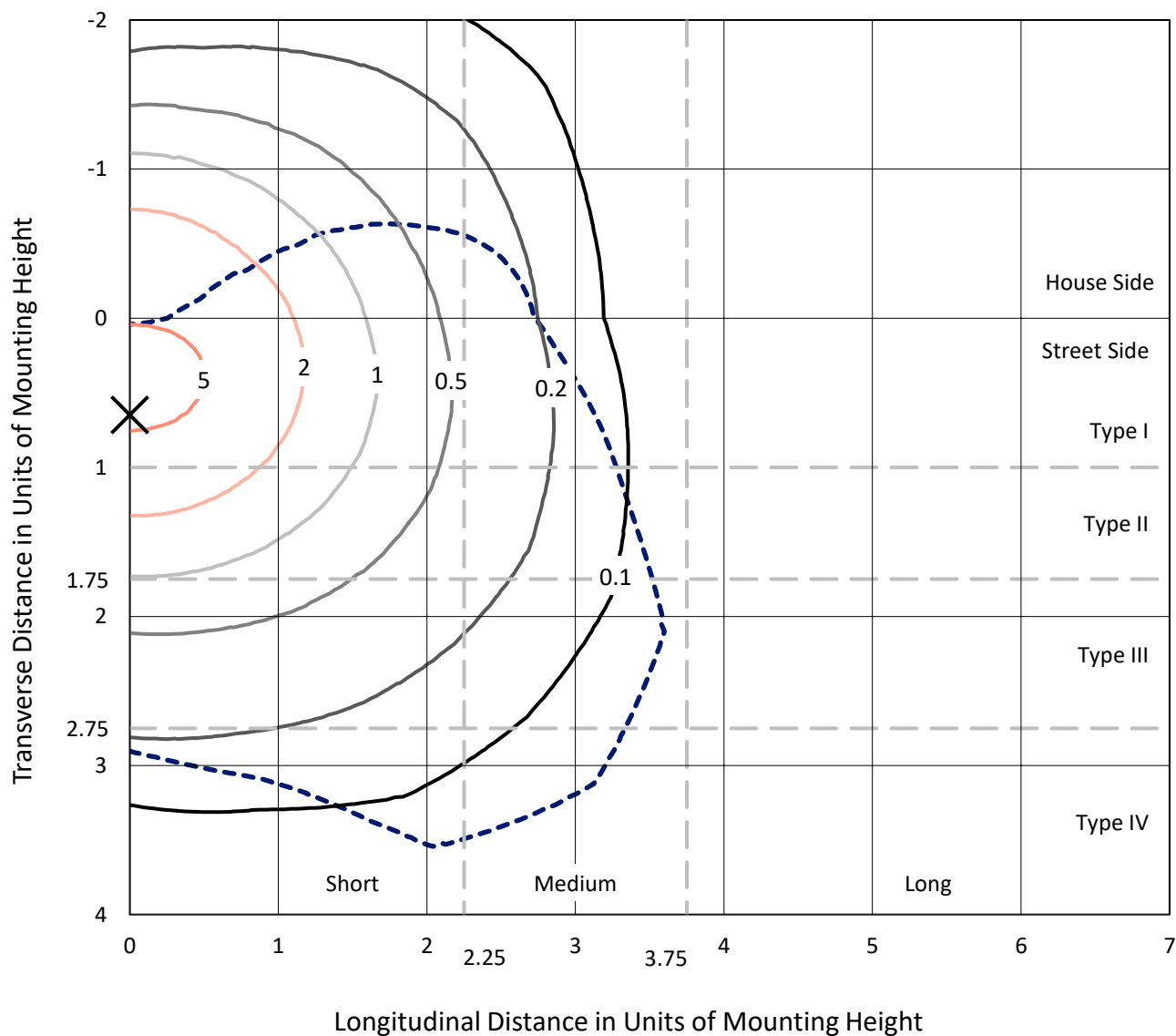
REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

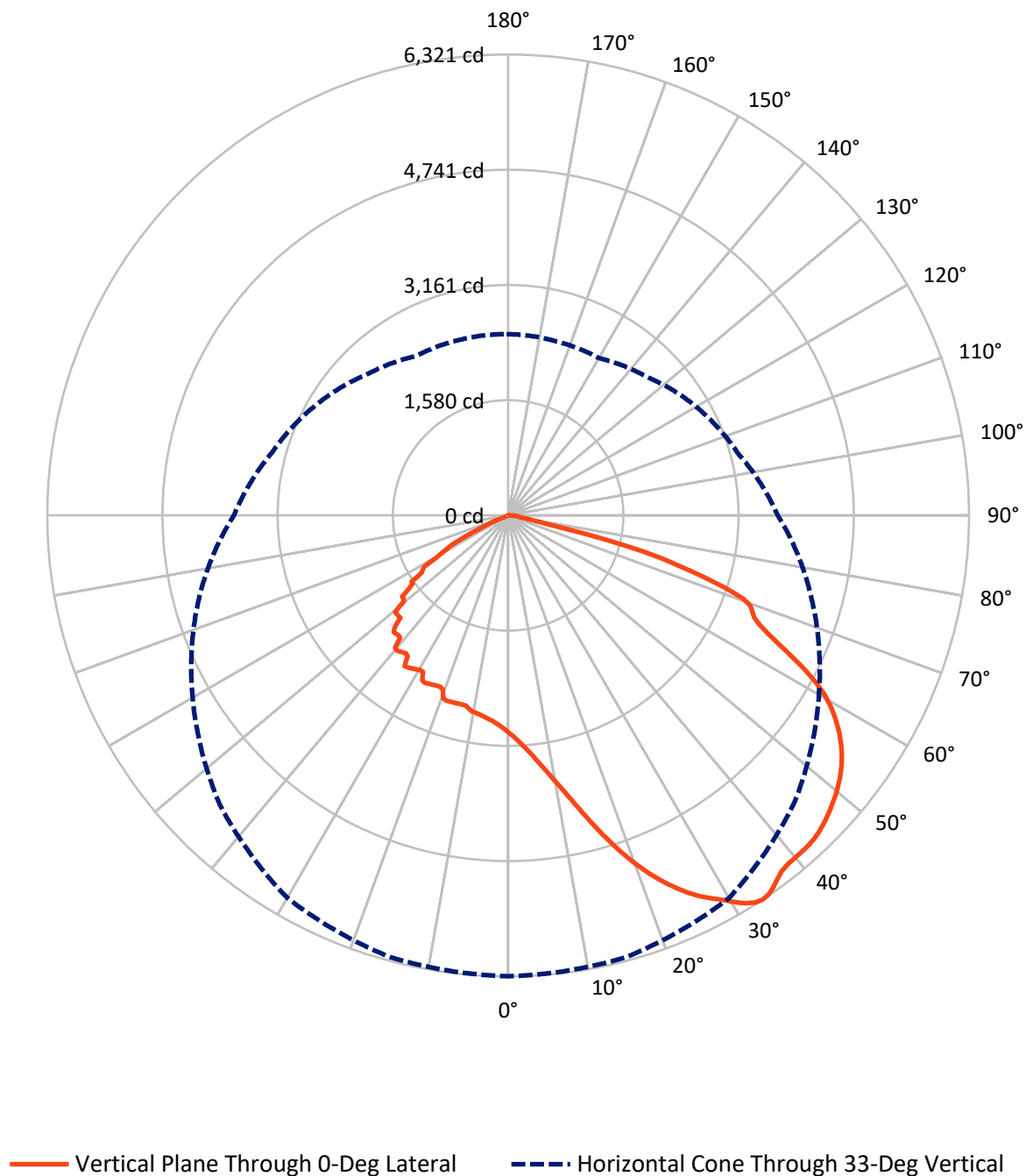


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

Luminous Intensity Polar Plot



REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

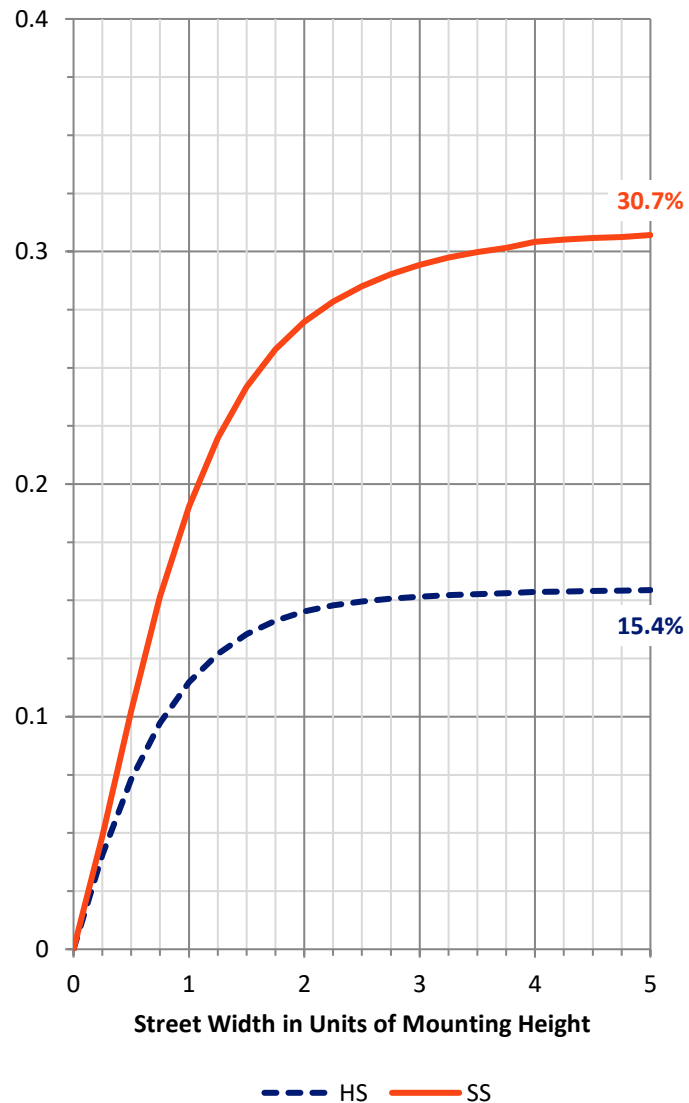
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6006.2	0.0	6006.2
	% Lamp	15.5	0.0	15.5
Street Side	Lumens	11880.1	0.0	11880.1
	% Lamp	30.7	0.0	30.7
Total	Lumens	17886.3	0.0	17886.3
	% Lamp	46.2	0.0	46.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	294.2	1.6	0.8
10°-20°	964.1	5.4	2.5
20°-30°	1776.5	9.9	4.6
30°-40°	2590.8	14.5	6.7
40°-50°	3197.7	17.9	8.3
50°-60°	3571.4	20.0	9.2
60°-70°	3345.1	18.7	8.6
70°-80°	1983.7	11.1	5.1
80°-90°	162.9	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°	17886.3	100.0	46.2
0°-180°	17886.3	100.0	46.2

Coefficient of Utilization



REPORT NUMBER: P1445089

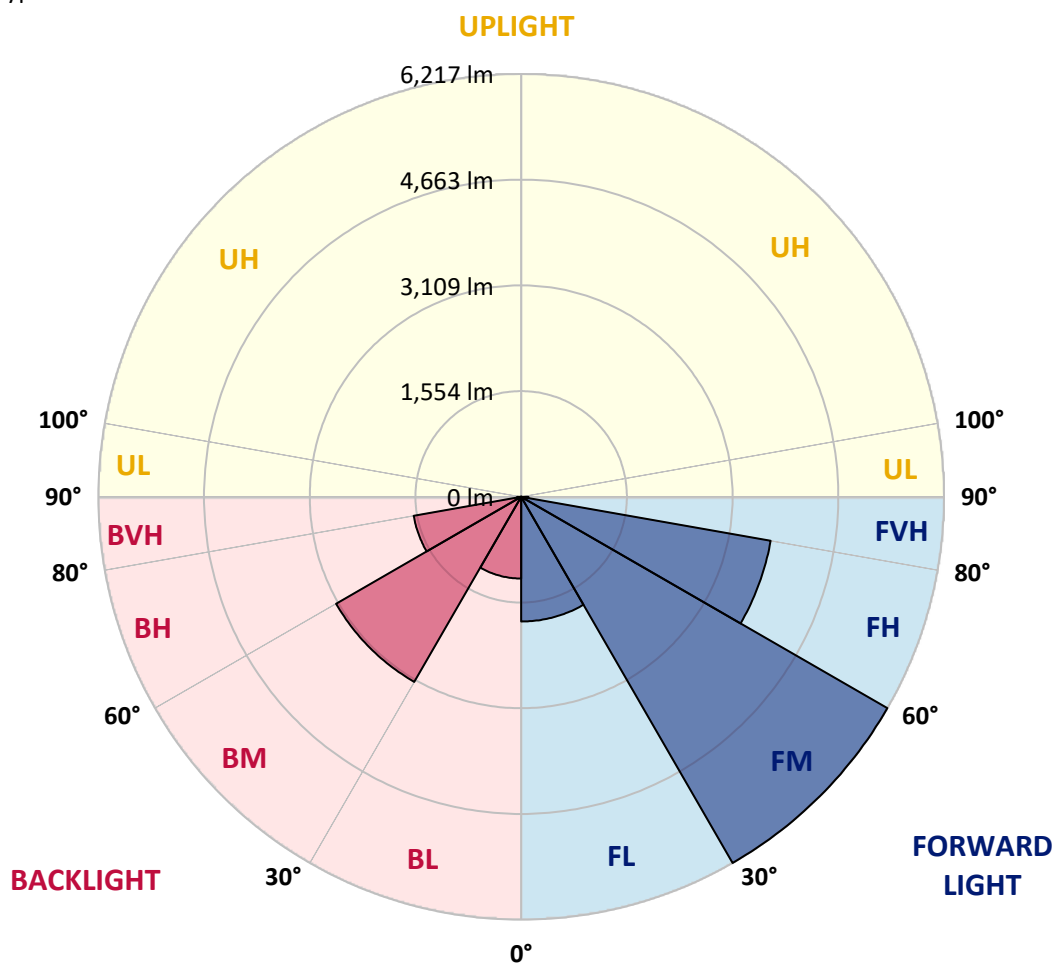
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1833.1	4.7			
FM	(30°-60°)	6217.1	16.1			
FH	(60°-80°)	3724.2	9.6			G2/5000
FVH	(80°-90°)	105.7	0.3			G2/225
BL	(0°-30°)	1201.7	3.1	B3/2500		
BM	(30°-60°)	3142.7	8.1	B3/5000		
BH	(60°-80°)	1604.6	4.1	B3/2500		G3/2500
BVH	(80°-90°)	57.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		20808.7	53.8			

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1
1°	3038.7	3038.9	3035.2	3029.4	3021.4	3010.2	2988.7	2977.4	2966.9	2959.2	2953.1
2°	3091.8	3089.7	3079.5	3064.3	3045.9	3023.3	2990.0	2967.5	2947.3	2931.0	2919.1
3°	3149.8	3145.5	3129.0	3104.7	3073.7	3039.0	2993.7	2960.3	2930.9	2906.5	2890.1
4°	3215.4	3207.8	3184.6	3150.0	3106.0	3058.7	3000.6	2956.0	2916.4	2885.5	2864.4
5°	3287.4	3276.7	3244.7	3198.7	3142.5	3081.4	3010.8	2954.7	2905.9	2868.1	2842.4
6°	3365.4	3351.3	3311.9	3253.5	3182.3	3105.4	3021.8	2955.3	2897.4	2852.9	2821.7
7°	3451.1	3434.6	3384.9	3313.1	3224.6	3131.0	3033.6	2956.4	2890.9	2839.6	2805.9
8°	3541.6	3521.5	3463.7	3376.7	3270.2	3159.3	3047.5	2959.1	2885.4	2829.5	2793.9
9°	3641.8	3616.7	3548.9	3444.9	3319.5	3190.1	3063.3	2962.7	2880.5	2823.2	2783.6
10°	3749.8	3720.4	3639.4	3517.8	3371.9	3222.6	3079.3	2967.0	2876.2	2818.2	2775.1
11°	3864.6	3830.6	3738.0	3597.0	3427.3	3257.6	3097.8	2973.0	2874.7	2814.2	2768.0
12°	3988.1	3948.7	3841.6	3680.0	3485.5	3294.5	3110.3	2973.8	2876.3	2811.1	2764.2
13°	4124.0	4076.5	3952.3	3768.8	3548.0	3325.5	3124.4	2975.4	2870.8	2809.2	2760.2
14°	4265.9	4210.7	4067.2	3860.9	3614.3	3359.2	3141.3	2977.7	2867.5	2809.6	2730.4
15°	4412.7	4351.9	4188.7	3955.2	3675.4	3395.1	3160.5	2984.4	2864.5	2803.5	2711.9
16°	4563.0	4492.1	4313.1	4054.6	3741.2	3434.9	3186.7	2996.5	2865.6	2793.7	2712.4
17°	4712.1	4636.8	4438.6	4156.2	3808.9	3479.0	3210.1	3005.3	2869.6	2770.9	2716.0
18°	4859.6	4777.7	4564.9	4259.7	3875.4	3526.8	3236.6	3018.0	2873.0	2757.3	2721.1
19°	5004.2	4915.9	4690.4	4361.0	3947.8	3572.2	3268.2	3037.2	2880.7	2757.0	2728.6
20°	5144.3	5051.8	4811.9	4452.3	4019.9	3620.6	3302.3	3058.2	2893.5	2759.3	2734.9
21°	5275.6	5181.7	4929.8	4551.2	4096.9	3674.1	3336.1	3075.1	2905.6	2763.6	2735.6
22°	5399.9	5304.7	5043.1	4640.4	4167.9	3731.1	3364.4	3081.4	2908.9	2774.6	2735.1
23°	5517.8	5424.4	5154.5	4728.3	4242.9	3789.4	3381.8	3092.9	2897.7	2785.1	2712.6
24°	5630.1	5537.2	5262.2	4815.6	4316.7	3841.8	3404.9	3113.6	2900.9	2790.3	2622.1
25°	5735.0	5647.7	5367.1	4903.5	4389.9	3889.4	3436.9	3125.8	2903.9	2795.8	2590.6
26°	5827.5	5744.3	5469.2	4987.1	4464.7	3930.0	3468.5	3138.6	2907.5	2804.9	2595.4
27°	5908.4	5832.1	5566.3	5068.9	4539.0	3976.6	3491.5	3160.0	2923.6	2806.1	2602.9
28°	5986.5	5911.2	5657.8	5149.4	4611.9	4031.5	3522.9	3181.8	2939.5	2752.8	2607.8
29°	6065.1	5991.1	5740.6	5224.7	4678.4	4090.5	3562.7	3199.6	2946.0	2702.1	2611.7
30°	6160.3	6082.2	5822.9	5302.4	4741.7	4141.6	3603.4	3210.2	2949.6	2678.0	2616.8
31°	6238.4	6165.8	5908.8	5387.0	4792.5	4191.6	3639.9	3224.8	2962.4	2673.0	2624.3
32°	6297.6	6231.9	5989.3	5475.3	4851.7	4243.8	3669.6	3246.6	2977.1	2676.0	2562.3
33°	6321.2	6270.3	6059.1	5558.5	4922.0	4301.9	3699.0	3266.9	2979.3	2686.5	2490.7
34°	6308.2	6266.2	6099.7	5634.7	4995.9	4363.7	3736.0	3279.3	2988.9	2698.4	2485.3
35°	6265.2	6230.6	6099.3	5691.6	5066.2	4426.7	3778.2	3297.7	2997.5	2706.8	2489.0
36°	6207.4	6178.8	6068.8	5727.6	5128.6	4485.0	3819.4	3320.3	3003.7	2708.9	2497.8
37°	6156.6	6120.5	6024.9	5734.1	5169.7	4529.8	3850.2	3337.0	2999.6	2706.1	2513.1
38°	6134.4	6083.6	5983.3	5721.6	5195.1	4571.2	3883.0	3352.4	2949.2	2637.5	2520.1
39°	6127.5	6066.0	5955.5	5704.5	5203.5	4607.2	3926.9	3366.9	2911.5	2600.1	2523.0
40°	6125.6	6056.8	5942.6	5693.9	5202.5	4633.1	3968.6	3382.0	2900.1	2616.9	2435.4
41°	6123.8	6051.7	5936.1	5690.2	5209.9	4652.9	4000.5	3392.7	2919.7	2634.5	2398.3
42°	6117.8	6046.6	5932.4	5689.3	5226.1	4672.8	4023.1	3398.7	2939.2	2634.4	2410.3
43°	6104.4	6040.6	5929.6	5693.9	5245.1	4690.4	4039.0	3418.3	2932.4	2640.5	2407.2
44°	6084.5	6031.3	5924.6	5702.7	5265.9	4708.9	4052.1	3437.5	2933.3	2656.9	2404.5

REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6056.3	6016.5	5916.7	5711.5	5285.3	4733.4	4068.0	3461.8	2949.8	2668.6	2403.8
46°	6023.9	5997.6	5906.5	5717.0	5304.7	4762.9	4084.1	3453.7	2968.3	2592.8	2286.6
47°	5986.5	5976.8	5894.5	5721.2	5324.1	4793.9	4096.3	3432.3	2972.2	2539.2	2256.1
48°	5947.7	5952.3	5881.1	5726.3	5343.1	4823.0	4119.4	3442.5	2969.9	2543.7	2264.7
49°	5906.1	5927.3	5864.0	5728.1	5365.2	4850.3	4145.6	3463.7	2915.6	2559.9	2264.5
50°	5860.8	5901.4	5844.1	5723.5	5381.9	4874.8	4169.1	3478.5	2889.6	2558.9	2250.5
51°	5810.8	5870.0	5820.1	5714.7	5401.3	4895.6	4187.9	3482.9	2894.3	2554.9	2123.3
52°	5753.5	5833.5	5793.3	5706.8	5422.6	4915.0	4186.5	3496.5	2894.9	2463.5	2121.3
53°	5691.6	5789.6	5762.8	5698.1	5440.6	4928.9	4164.8	3503.2	2916.1	2437.0	2136.9
54°	5622.3	5736.0	5731.8	5687.0	5449.8	4941.8	4141.8	3495.2	2915.5	2442.2	2149.1
55°	5543.7	5673.6	5696.2	5673.1	5453.1	4949.7	4138.5	3490.3	2911.2	2439.5	2024.7
56°	5453.1	5599.1	5653.7	5653.7	5453.1	4952.9	4139.3	3479.2	2888.1	2394.4	1997.3
57°	5354.1	5514.5	5603.3	5631.5	5451.7	4958.0	4134.7	3469.5	2844.5	2320.8	1998.5
58°	5243.7	5416.6	5542.7	5606.5	5445.7	4965.4	4116.8	3432.7	2835.6	2343.8	1902.8
59°	5123.5	5306.1	5476.6	5577.0	5436.9	4968.6	4098.7	3415.6	2829.4	2370.5	1847.0
60°	4983.0	5181.3	5397.1	5540.0	5421.2	4964.5	4079.8	3388.6	2818.2	2351.9	1842.7
61°	4805.0	5035.7	5309.8	5492.8	5398.5	4948.3	4050.5	3357.3	2793.1	2278.2	1708.9
62°	4593.1	4859.1	5209.9	5434.6	5370.8	4914.6	4009.3	3321.4	2760.7	2266.2	1697.0
63°	4356.3	4658.9	5097.6	5366.2	5333.3	4859.6	3955.5	3279.3	2752.0	2232.3	1600.6
64°	4122.5	4451.8	4971.9	5290.4	5284.4	4789.3	3892.6	3232.8	2722.1	2191.2	1556.5
65°	3919.9	4249.4	4835.1	5205.3	5227.5	4712.1	3829.8	3194.3	2661.7	2170.2	1446.8
66°	3758.8	4071.9	4685.3	5105.5	5158.6	4641.8	3748.0	3145.8	2663.3	2116.7	1396.8
67°	3653.4	3920.7	4541.9	4993.6	5073.1	4559.9	3653.0	3080.3	2680.5	2095.5	1284.9
68°	3599.2	3808.6	4404.8	4865.1	4971.4	4458.3	3518.2	3005.6	2693.6	2052.0	1191.9
69°	3550.3	3728.3	4277.9	4726.4	4847.5	4327.7	3360.3	2914.9	2631.6	2015.7	1083.0
70°	3418.3	3653.7	4155.4	4576.1	4704.7	4136.6	3116.9	2784.6	2563.1	1980.8	1003.0
71°	3157.3	3526.9	4045.4	4423.1	4539.1	3887.7	2803.5	2605.0	2506.4	1935.1	945.7
72°	2813.0	3311.2	3940.9	4266.0	4355.6	3593.9	2493.8	2410.1	2431.7	1883.5	888.5
73°	2471.6	3014.9	3823.7	4112.9	4145.3	3264.5	2215.4	2209.8	2315.7	1827.7	831.2
74°	2148.8	2686.2	3683.1	3957.2	3902.6	2931.2	1956.5	2008.3	2195.2	1754.2	777.4
75°	1683.9	2324.7	3501.9	3767.5	3638.8	2578.0	1643.2	1801.4	2068.3	1656.1	701.2
76°	1057.9	1879.2	3245.9	3548.8	3326.3	2189.2	1198.4	1559.9	1934.2	1535.4	621.3
77°	500.0	1249.1	2911.5	3245.5	2969.9	1654.8	753.5	1169.0	1797.7	1362.4	544.8
78°	392.7	627.5	2501.2	2850.0	2543.6	1041.7	315.3	778.1	1643.9	1134.9	465.6
79°	290.6	481.4	1956.1	2363.0	2043.3	519.9	143.7	391.2	1397.5	907.5	394.9
80°	188.5	335.3	1254.3	1767.3	1449.6	386.9	123.2	286.7	998.2	680.3	341.2
81°	171.5	189.2	650.9	1127.0	841.3	259.2	102.7	182.3	600.3	502.4	343.3
82°	156.0	167.2	487.3	542.1	378.6	131.6	82.4	80.3	262.9	410.7	319.7
83°	141.2	149.8	330.9	416.3	259.6	111.0	70.6	65.2	199.3	350.0	255.9
84°	126.1	132.9	174.4	292.7	142.2	94.1	59.2	52.4	135.8	277.7	176.3
85°	110.9	116.1	141.2	169.1	114.1	78.0	48.0	41.2	73.3	197.3	126.2
86°	94.5	100.4	113.4	143.7	91.5	62.0	37.2	31.7	60.4	158.3	76.6
87°	78.4	85.3	93.8	114.7	72.8	47.4	26.6	23.6	46.9	119.3	50.0
88°	63.9	70.7	74.6	82.0	56.4	36.0	18.9	16.8	31.1	80.2	34.2
89°	52.3	55.4	54.8	48.6	43.3	24.6	11.2	10.0	21.7	41.2	18.4



REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-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: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089
CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1	2993.1
1°	2950.4	2950.7	2954.4	2960.7	2969.8	2980.1	2991.0	2992.1	3003.2	3014.3	3023.9
2°	2913.6	2912.3	2917.6	2928.4	2944.2	2963.0	2985.0	2997.3	3019.5	3041.3	3061.1
3°	2881.4	2878.9	2885.7	2900.1	2920.9	2948.4	2980.1	3004.2	3038.1	3072.1	3103.1
4°	2853.4	2850.2	2858.2	2875.0	2901.4	2936.6	2978.0	3013.2	3059.8	3106.7	3149.0
5°	2827.4	2824.2	2833.1	2853.1	2883.8	2926.7	2977.1	3023.8	3082.7	3143.2	3199.5
6°	2805.9	2802.4	2812.1	2833.0	2869.1	2918.1	2978.5	3036.6	3108.0	3182.8	3254.4
7°	2788.4	2784.1	2795.0	2817.9	2855.3	2911.6	2980.8	3050.0	3135.4	3226.1	3313.3
8°	2773.1	2767.8	2779.6	2806.5	2845.3	2905.8	2984.0	3064.2	3164.6	3272.3	3375.7
9°	2758.9	2752.9	2765.6	2795.4	2838.6	2900.4	2987.1	3080.0	3195.4	3321.8	3443.9
10°	2747.5	2741.1	2753.9	2786.1	2833.2	2896.3	2992.9	3098.6	3228.3	3374.1	3515.6
11°	2739.4	2732.8	2745.7	2779.1	2829.2	2895.8	3000.0	3119.4	3265.4	3430.3	3593.4
12°	2722.2	2702.5	2728.6	2774.8	2826.9	2897.9	3001.4	3133.2	3304.6	3489.1	3676.1
13°	2691.0	2671.9	2697.3	2772.4	2825.7	2893.2	3006.2	3150.2	3336.5	3555.0	3765.0
14°	2676.8	2669.1	2683.0	2741.1	2826.4	2892.0	3010.8	3167.3	3372.6	3619.9	3859.3
15°	2678.4	2669.1	2683.1	2720.8	2821.2	2892.3	3020.8	3189.1	3409.5	3681.9	3957.4
16°	2680.3	2671.2	2685.2	2722.8	2817.7	2897.4	3030.3	3215.3	3451.1	3748.2	4060.3
17°	2684.7	2674.5	2690.1	2727.5	2796.6	2900.6	3042.3	3241.1	3501.1	3816.3	4165.5
18°	2687.8	2674.8	2693.4	2733.6	2785.9	2906.7	3059.4	3269.3	3545.2	3891.3	4268.8
19°	2689.9	2675.3	2696.2	2742.7	2782.1	2919.4	3080.0	3303.8	3594.3	3966.6	4365.8
20°	2692.0	2664.2	2699.4	2749.2	2785.5	2934.5	3100.2	3338.8	3645.8	4046.6	4467.3
21°	2637.1	2554.7	2648.5	2749.7	2794.9	2946.2	3116.6	3370.1	3704.5	4121.9	4564.9
22°	2558.4	2526.6	2574.1	2751.4	2806.8	2951.4	3125.6	3398.2	3763.3	4200.0	4655.7
23°	2546.0	2529.7	2561.3	2735.6	2815.7	2944.8	3144.1	3418.2	3820.6	4279.3	4748.6
24°	2550.7	2536.7	2567.2	2644.2	2823.1	2952.2	3167.8	3446.2	3873.4	4357.0	4839.2
25°	2559.6	2546.4	2576.7	2619.6	2830.0	2957.5	3182.0	3481.8	3919.3	4436.4	4925.7
26°	2569.9	2555.2	2588.2	2628.4	2841.0	2961.5	3199.5	3510.5	3966.6	4513.5	5012.1
27°	2578.5	2565.2	2598.2	2636.0	2841.5	2979.8	3225.1	3538.4	4021.1	4589.6	5094.4
28°	2587.5	2547.3	2610.0	2642.0	2791.5	2995.0	3249.0	3575.1	4082.6	4660.8	5177.1
29°	2542.3	2446.1	2562.1	2645.9	2743.3	3000.0	3264.8	3616.4	4142.8	4730.6	5261.2
30°	2457.3	2438.4	2478.0	2654.3	2717.9	3005.3	3278.9	3657.4	4195.6	4793.9	5346.8
31°	2454.2	2451.9	2474.5	2662.7	2714.4	3019.8	3299.8	3693.0	4254.1	4857.2	5433.2
32°	2464.0	2468.8	2484.7	2593.7	2722.0	3034.0	3324.9	3724.4	4320.7	4925.7	5517.8
33°	2476.3	2484.8	2497.2	2523.2	2734.7	3036.6	3348.5	3761.9	4390.0	4997.3	5598.7
34°	2488.1	2497.9	2508.0	2520.5	2747.5	3046.9	3361.7	3808.5	4453.2	5068.5	5670.3
35°	2497.4	2508.9	2516.8	2523.7	2753.4	3054.4	3384.3	3854.2	4507.3	5137.8	5718.4
36°	2500.9	2374.2	2517.8	2534.6	2754.4	3059.7	3406.5	3896.6	4554.2	5185.9	5739.2
37°	2364.5	2354.9	2378.2	2548.6	2750.3	3053.4	3424.6	3927.6	4594.7	5214.6	5739.7
38°	2336.3	2368.6	2356.3	2553.3	2682.3	3005.9	3440.1	3964.5	4627.5	5226.1	5724.9
39°	2345.0	2385.1	2364.9	2560.8	2647.0	2973.2	3449.6	4002.4	4654.3	5228.9	5706.4
40°	2356.6	2399.5	2373.6	2473.0	2667.6	2963.9	3462.0	4031.3	4674.7	5234.0	5696.2
41°	2357.6	2386.5	2374.4	2441.5	2681.6	2983.1	3465.1	4057.1	4690.4	5245.5	5692.0
42°	2334.0	2238.0	2352.3	2449.9	2679.3	2994.6	3470.7	4079.5	4708.9	5259.9	5698.5
43°	2201.6	2227.0	2223.2	2445.2	2690.8	2982.0	3492.0	4098.2	4729.2	5277.0	5711.0
44°	2190.6	2235.0	2214.9	2442.9	2706.7	2987.1	3514.4	4114.8	4754.6	5295.9	5722.6

REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2201.8	2239.1	2225.2	2442.5	2717.4	3006.9	3538.2	4133.6	4783.7	5314.4	5732.7
46°	2203.5	2175.4	2224.9	2319.4	2639.3	3024.8	3520.3	4147.1	4811.5	5337.0	5742.9
47°	2146.9	2038.6	2162.9	2301.0	2589.8	3034.2	3502.6	4163.9	4839.7	5362.0	5751.2
48°	2029.6	2039.0	2056.0	2307.3	2598.4	3026.9	3518.0	4189.8	4867.4	5386.0	5754.9
49°	2038.3	2041.7	2066.6	2306.6	2615.2	2973.3	3543.5	4212.0	4894.2	5406.8	5752.6
50°	2049.6	2040.7	2078.9	2287.5	2610.8	2959.3	3556.8	4230.4	4917.8	5430.0	5748.0
51°	2056.1	1853.2	2087.9	2166.6	2602.9	2964.5	3563.1	4240.5	4937.2	5449.8	5742.9
52°	1896.4	1834.5	1921.8	2169.9	2507.8	2970.0	3577.1	4226.5	4952.9	5466.0	5736.4
53°	1875.1	1832.0	1903.1	2185.9	2493.4	2988.8	3579.5	4199.0	4967.3	5475.7	5728.6
54°	1870.6	1692.8	1898.2	2197.3	2501.1	2986.1	3570.8	4183.3	4974.2	5479.0	5718.4
55°	1740.1	1607.9	1760.5	2065.3	2499.5	2980.4	3563.5	4181.6	4977.0	5478.5	5706.8
56°	1672.3	1603.9	1700.1	2043.8	2444.2	2955.2	3548.6	4182.1	4978.3	5479.4	5691.1
57°	1670.5	1426.6	1697.7	2045.7	2389.2	2913.4	3532.5	4172.1	4981.1	5475.7	5668.5
58°	1510.4	1385.5	1531.6	1938.9	2413.6	2906.8	3490.1	4146.6	4979.7	5465.6	5636.6
59°	1469.6	1353.5	1495.2	1898.8	2439.6	2897.2	3476.2	4126.2	4974.6	5451.7	5597.3
60°	1401.4	1147.8	1411.4	1890.0	2407.6	2883.3	3436.1	4101.9	4957.5	5432.3	5552.9
61°	1265.7	1045.4	1289.8	1754.2	2341.6	2850.3	3399.7	4069.5	4923.8	5406.8	5503.9
62°	1205.8	943.0	1209.5	1746.0	2330.4	2819.7	3354.9	4025.3	4868.8	5369.4	5449.8
63°	1085.9	840.0	1094.5	1633.7	2287.5	2807.5	3306.0	3963.5	4803.2	5321.8	5385.1
64°	966.2	681.2	979.5	1599.0	2251.3	2769.5	3257.1	3900.8	4725.0	5267.2	5306.1
65°	845.3	525.3	864.4	1482.4	2225.4	2713.8	3209.9	3827.0	4651.5	5199.8	5211.8
66°	689.1	392.6	698.5	1425.8	2171.0	2721.3	3148.0	3726.6	4571.6	5121.2	5106.9
67°	559.8	261.1	550.2	1323.1	2149.8	2730.5	3067.2	3613.8	4474.3	5029.7	4991.3
68°	409.4	129.6	406.4	1217.5	2096.4	2721.3	2978.2	3461.3	4346.9	4921.0	4866.9
69°	296.6	0.3	285.1	1089.5	2051.0	2631.1	2872.2	3258.0	4181.0	4792.5	4731.0
70°	266.8	0.2	249.7	1011.6	2008.3	2546.6	2717.2	2962.9	3965.6	4643.7	4579.3
71°	237.6	0.2	217.8	949.0	1952.4	2469.4	2512.1	2630.9	3687.6	4473.0	4416.3
72°	205.3	0.3	185.4	886.4	1894.1	2376.7	2300.4	2328.5	3364.8	4285.1	4258.2
73°	170.6	0.3	150.7	823.6	1819.3	2247.6	2102.9	2074.5	3028.3	4055.1	4094.8
74°	139.4	0.3	117.1	752.7	1715.4	2123.7	1903.6	1790.9	2680.2	3776.8	3919.7
75°	110.4	0.3	96.1	666.9	1597.6	1998.4	1645.2	1383.1	2309.2	3462.1	3717.9
76°	81.5	0.4	88.9	590.1	1442.1	1851.2	1255.2	868.6	1854.9	3114.8	3476.6
77°	62.8	0.4	97.4	517.8	1231.9	1690.9	865.3	414.7	1281.8	2732.8	3164.0
78°	67.6	0.5	89.7	445.3	1020.4	1471.1	476.4	265.0	699.6	2274.3	2710.9
79°	91.7	0.6	82.0	389.2	809.0	1088.1	195.2	122.2	514.1	1753.8	2171.4
80°	94.6	0.7	74.2	358.2	599.7	705.0	139.9	103.7	328.6	1149.8	1551.7
81°	85.7	0.8	46.3	331.3	476.1	330.3	85.3	90.5	143.1	585.4	921.4
82°	62.3	0.9	25.7	283.4	397.6	245.7	70.1	78.5	121.1	434.2	400.8
83°	39.1	1.0	19.6	207.6	308.7	161.1	58.0	66.9	104.2	283.9	288.6
84°	23.3	1.1	13.5	131.8	205.4	77.4	47.5	55.6	88.8	133.7	188.8
85°	17.8	1.2	7.5	56.7	136.0	63.6	37.8	43.8	72.9	105.5	164.3
86°	12.3	1.3	6.3	33.4	67.0	50.6	29.2	33.6	57.7	84.7	138.2
87°	6.9	1.5	5.4	20.2	35.6	37.3	21.6	23.4	43.7	67.2	108.7
88°	5.4	1.6	4.6	14.3	24.6	25.8	15.2	13.2	32.2	51.0	74.6
89°	3.7	1.8	3.4	8.4	13.6	14.3	8.9	5.8	20.8	39.6	43.3

REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089
CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2993.1	2993.1	2993.1
1°	3031.4	3036.9	3038.7
2°	3077.3	3088.6	3091.8
3°	3127.9	3144.1	3149.8
4°	3183.8	3207.8	3215.4
5°	3246.6	3276.9	3287.4
6°	3312.6	3351.8	3365.4
7°	3385.0	3434.1	3451.1
8°	3463.2	3522.0	3541.6
9°	3546.5	3616.6	3641.8
10°	3637.3	3720.0	3749.8
11°	3735.1	3830.8	3864.6
12°	3838.5	3948.2	3988.1
13°	3949.5	4076.8	4124.0
14°	4065.8	4209.9	4265.9
15°	4188.9	4350.0	4412.7
16°	4314.2	4494.8	4563.0
17°	4444.7	4642.3	4712.1
18°	4575.2	4787.4	4859.6
19°	4703.8	4926.1	5004.2
20°	4828.1	5060.6	5144.3
21°	4948.3	5189.6	5275.6
22°	5061.6	5309.8	5399.9
23°	5172.0	5429.5	5517.8
24°	5277.0	5546.0	5630.1
25°	5382.8	5657.4	5735.0
26°	5488.7	5758.6	5827.5
27°	5588.5	5849.2	5908.4
28°	5674.9	5927.8	5986.5
29°	5754.9	6006.4	6065.1
30°	5840.0	6096.0	6160.3
31°	5925.0	6178.8	6238.4
32°	6003.1	6239.8	6297.6
33°	6058.1	6271.2	6321.2
34°	6084.5	6268.5	6308.2
35°	6080.3	6232.4	6265.2
36°	6057.2	6177.4	6207.4
37°	6017.5	6121.0	6156.6
38°	5979.6	6085.0	6134.4
39°	5956.9	6067.9	6127.5
40°	5946.7	6060.0	6125.6
41°	5942.1	6056.3	6123.8
42°	5937.5	6054.0	6117.8
43°	5932.9	6049.4	6104.4
44°	5929.2	6041.5	6084.5

REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5925.5	6026.7	6056.3
46°	5920.9	6007.8	6023.9
47°	5913.9	5986.5	5986.5
48°	5903.3	5962.5	5947.7
49°	5887.6	5937.5	5906.1
50°	5867.7	5912.1	5860.8
51°	5841.8	5884.3	5810.8
52°	5813.6	5849.2	5753.5
53°	5784.5	5805.8	5691.6
54°	5754.9	5752.1	5622.3
55°	5722.1	5689.3	5543.7
56°	5682.3	5614.9	5453.1
57°	5632.9	5531.7	5354.1
58°	5569.6	5430.9	5243.7
59°	5500.2	5319.9	5123.5
60°	5420.7	5198.4	4983.0
61°	5331.0	5058.8	4805.0
62°	5229.8	4889.6	4593.1
63°	5122.6	4692.2	4356.3
64°	5003.8	4478.6	4122.5
65°	4870.2	4277.7	3919.9
66°	4728.3	4100.9	3758.8
67°	4585.7	3954.4	3653.4
68°	4441.1	3838.5	3599.2
69°	4315.2	3753.0	3550.3
70°	4208.4	3677.0	3418.3
71°	4097.7	3558.9	3157.3
72°	3976.3	3347.0	2813.0
73°	3856.6	3048.9	2471.6
74°	3717.0	2713.9	2148.8
75°	3504.8	2348.1	1683.9
76°	3223.3	1898.5	1057.9
77°	2897.5	1311.5	500.0
78°	2495.1	702.0	392.7
79°	1931.8	528.9	290.6
80°	1196.3	361.9	188.5
81°	604.1	194.9	171.5
82°	452.6	169.7	156.0
83°	314.5	153.1	141.2
84°	176.3	135.5	126.1
85°	138.9	117.5	110.9
86°	113.0	100.8	94.5
87°	93.0	85.4	78.4
88°	73.8	70.2	63.9
89°	53.0	54.8	52.3

REPORT NUMBER: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1445089

CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)