

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: P1445088

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445088
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)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 21522.4 lumens
Efficiency: 46.2%
Efficacy: 174.4 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

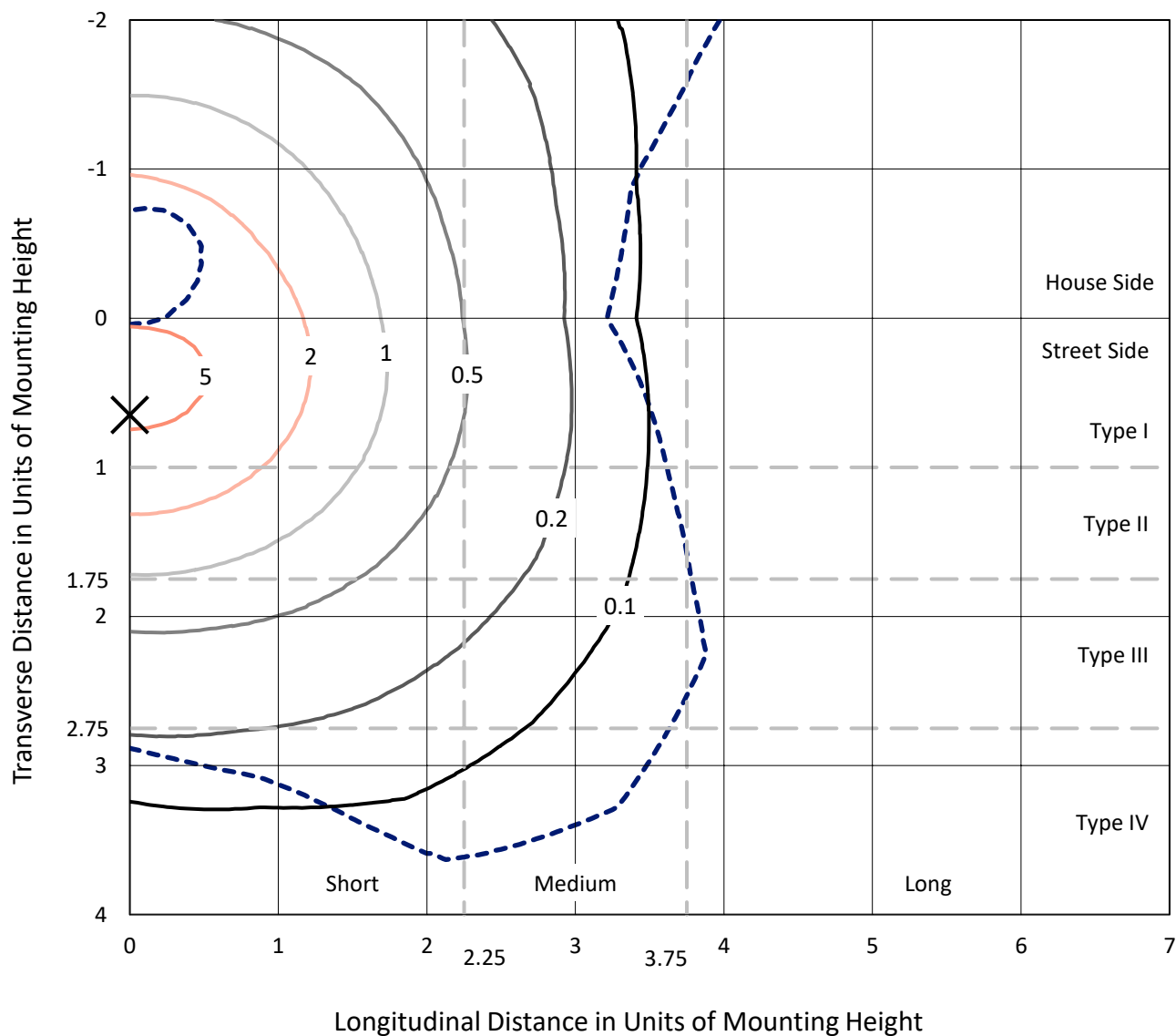
Input Watts (W): 123.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

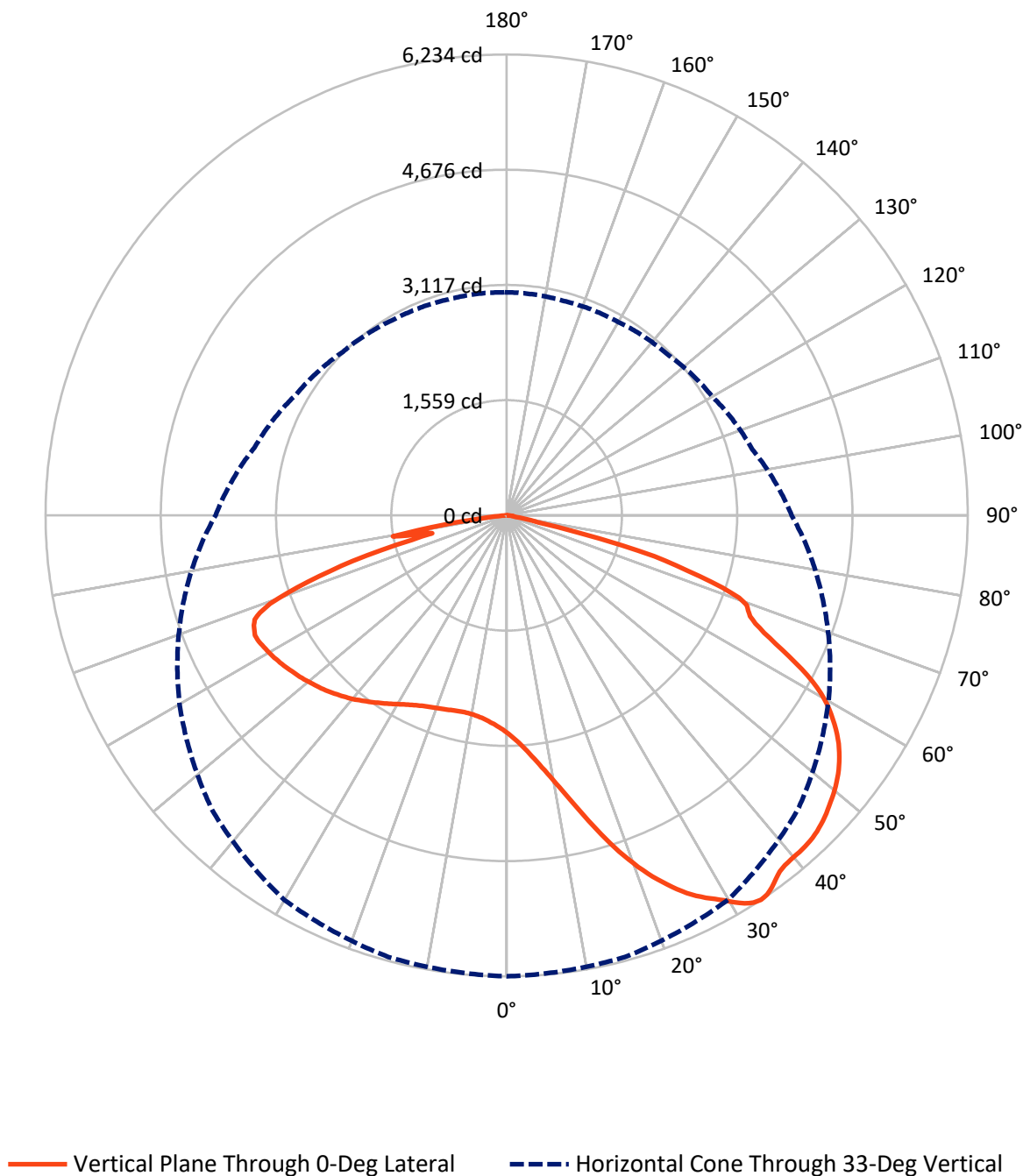


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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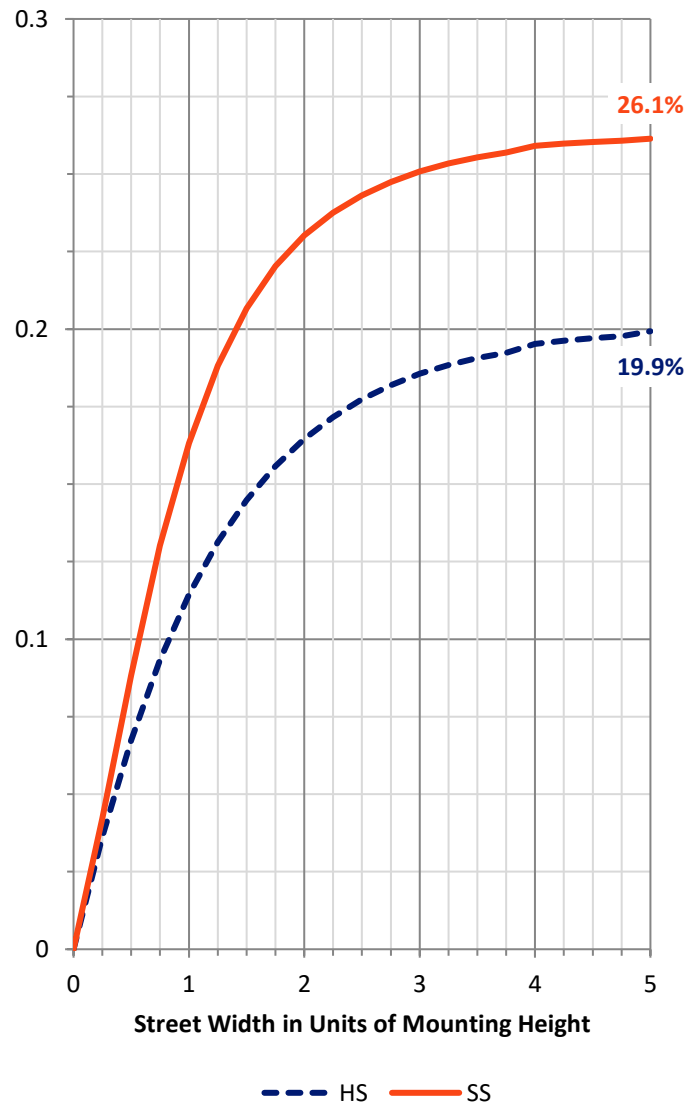
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9365.9	0.0	9365.9
	% Lamp	20.1	0.0	20.1
Street Side	Lumens	12156.5	0.0	12156.5
	% Lamp	26.1	0.0	26.1
Total	Lumens	21522.4	0.0	21522.4
	% Lamp	46.2	0.0	46.2

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	290.7	1.4	0.6
10°-20°	961.8	4.5	2.1
20°-30°	1816.2	8.4	3.9
30°-40°	2737.1	12.7	5.9
40°-50°	3538.0	16.4	7.6
50°-60°	4237.5	19.7	9.1
60°-70°	4501.3	20.9	9.7
70°-80°	3084.5	14.3	6.6
80°-90°	355.3	1.7	0.8
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°	21522.4	100.0	46.2
0°-180°	21522.4	100.0	46.2

Coefficient of Utilization



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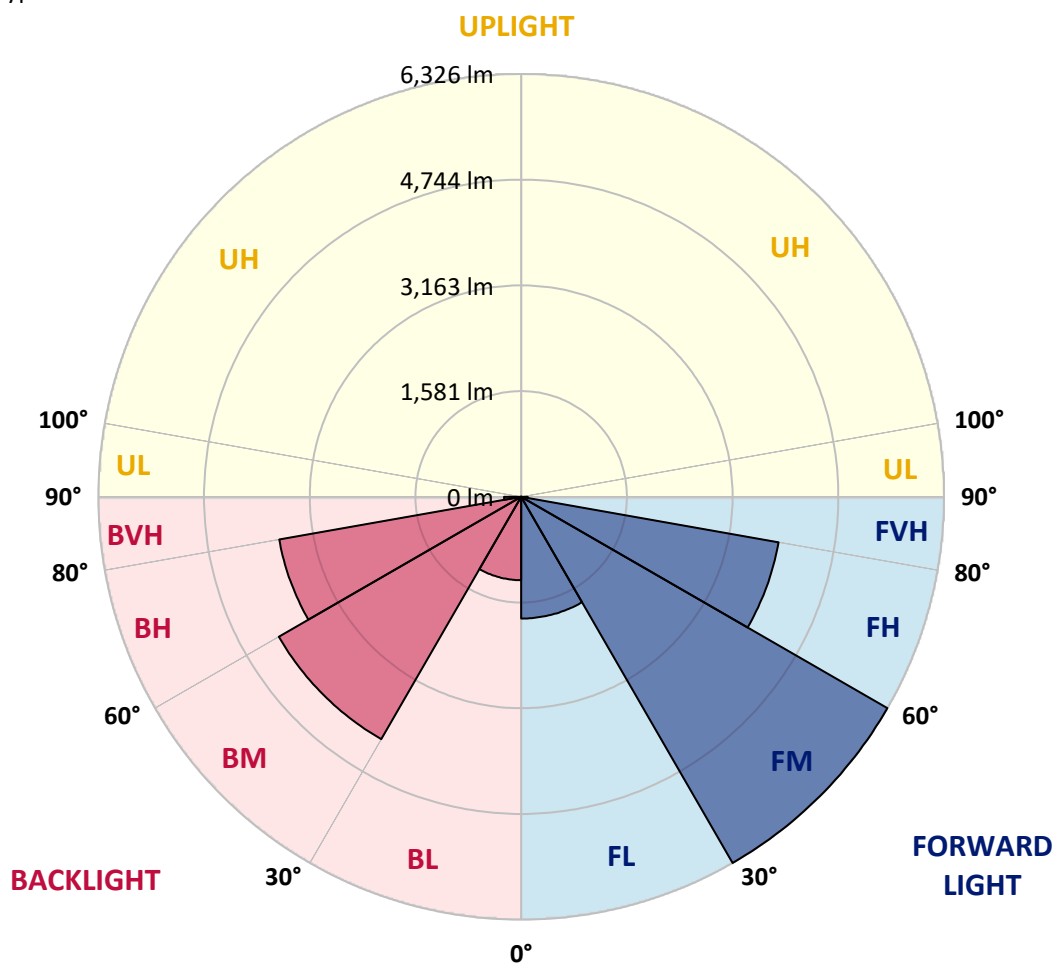
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1821.4	3.9			
FM	(30°-60°)	6326.0	13.6			
FH	(60°-80°)	3910.6	8.4			G2/5000
FVH	(80°-90°)	98.5	0.2			G1/100
BL	(0°-30°)	1247.3	2.7	B3/2500		
BM	(30°-60°)	4186.6	9.0	B3/5000		
BH	(60°-80°)	3675.2	7.9	B4/5000		G4/5000
BVH	(80°-90°)	256.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		25038.6	53.8			

BUG Rating: B4-U0-G4

Type IV Short



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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6
1°	2998.5	2997.5	2994.4	2989.9	2981.6	2971.3	2950.7	2940.0	2930.8	2923.1	2918.0
2°	3048.2	3045.0	3036.8	3023.7	3004.8	2983.8	2952.1	2931.1	2912.2	2897.3	2887.3
3°	3104.5	3098.8	3084.4	3060.6	3031.3	2998.6	2955.9	2924.5	2896.9	2875.8	2861.4
4°	3167.5	3159.0	3137.3	3103.6	3061.5	3016.5	2961.6	2919.9	2884.8	2857.6	2839.2
5°	3237.0	3225.3	3194.6	3150.4	3096.4	3037.7	2970.5	2918.7	2875.2	2843.0	2820.7
6°	3314.1	3299.4	3261.6	3202.6	3134.0	3060.2	2980.8	2919.0	2867.6	2830.3	2803.5
7°	3397.3	3379.9	3331.8	3260.0	3174.1	3084.6	2991.7	2920.3	2862.4	2819.1	2788.2
8°	3485.9	3465.6	3408.2	3322.0	3217.4	3111.4	3004.9	2923.7	2859.1	2809.6	2775.9
9°	3584.0	3561.2	3492.2	3388.6	3265.0	3140.9	3020.0	2928.1	2856.1	2802.2	2765.8
10°	3690.0	3660.0	3580.0	3460.2	3316.2	3172.3	3037.3	2933.7	2853.8	2797.8	2758.6
11°	3804.8	3770.7	3676.7	3536.0	3370.3	3206.4	3055.5	2941.0	2853.1	2794.4	2754.1
12°	3928.1	3886.6	3778.0	3617.7	3428.1	3243.4	3075.7	2950.8	2854.9	2793.1	2752.0
13°	4061.3	4012.5	3888.0	3703.6	3488.9	3282.3	3099.6	2962.0	2858.8	2793.2	2752.5
14°	4201.7	4147.2	4002.0	3795.4	3555.2	3324.9	3126.3	2975.2	2864.0	2795.4	2755.2
15°	4347.8	4286.0	4120.9	3891.8	3623.7	3369.1	3153.8	2990.0	2870.6	2799.4	2759.5
16°	4498.2	4426.4	4244.0	3990.8	3696.8	3416.5	3183.6	3007.8	2879.2	2804.6	2765.5
17°	4646.5	4568.7	4369.6	4090.5	3772.1	3467.0	3216.0	3026.5	2890.3	2812.2	2773.5
18°	4793.0	4709.8	4494.7	4194.6	3849.3	3520.2	3250.5	3047.4	2902.5	2821.9	2782.9
19°	4935.8	4848.5	4620.3	4296.6	3927.4	3574.3	3285.0	3069.5	2916.9	2832.2	2793.2
20°	5075.0	4980.7	4740.8	4398.4	4007.4	3629.0	3321.0	3093.4	2932.3	2845.1	2805.4
21°	5205.3	5109.6	4860.0	4500.2	4088.7	3686.8	3358.6	3118.4	2949.3	2858.6	2817.0
22°	5328.7	5231.7	4971.9	4599.6	4169.2	3746.7	3396.6	3143.6	2967.9	2873.7	2830.5
23°	5442.9	5350.0	5082.4	4698.2	4252.0	3807.3	3434.5	3168.6	2987.1	2889.8	2844.5
24°	5553.4	5460.9	5188.2	4792.5	4330.6	3867.2	3471.3	3194.0	3007.2	2905.8	2859.4
25°	5658.8	5569.1	5292.7	4885.9	4409.8	3925.6	3508.6	3218.8	3027.7	2923.1	2874.7
26°	5748.0	5665.2	5393.4	4977.4	4486.7	3985.8	3547.2	3244.5	3049.2	2940.6	2890.2
27°	5829.8	5752.6	5491.4	5065.2	4563.2	4047.3	3585.8	3269.6	3070.7	2958.3	2906.5
28°	5903.3	5829.8	5581.6	5153.1	4639.1	4108.6	3626.3	3295.1	3092.6	2977.1	2922.9
29°	5981.9	5906.1	5667.1	5239.1	4712.1	4171.7	3668.9	3322.5	3115.7	2995.2	2941.3
30°	6075.2	5995.3	5750.8	5325.5	4785.1	4237.1	3713.5	3351.7	3139.1	3014.8	2959.8
31°	6153.4	6078.9	5842.7	5413.8	4861.4	4301.4	3759.0	3381.1	3163.2	3035.0	2979.8
32°	6211.6	6144.6	5927.8	5502.1	4940.0	4364.5	3806.8	3410.7	3187.8	3056.3	3000.0
33°	6234.3	6182.9	5998.5	5587.6	5025.0	4427.5	3853.6	3440.4	3212.3	3077.9	3020.0
34°	6221.3	6180.6	6046.1	5664.8	5107.8	4498.0	3902.4	3470.9	3234.9	3098.8	3039.9
35°	6176.9	6145.5	6054.9	5725.3	5179.9	4572.7	3953.0	3502.4	3258.1	3121.1	3062.0
36°	6118.2	6094.2	6033.2	5765.1	5244.6	4645.5	4005.6	3535.0	3281.6	3144.3	3085.6
37°	6068.8	6035.0	5996.2	5773.9	5293.1	4708.4	4057.6	3566.4	3307.2	3168.4	3112.6
38°	6045.7	5996.7	5957.8	5763.2	5330.6	4762.5	4112.0	3595.9	3332.9	3195.3	3140.7
39°	6037.3	5977.3	5930.1	5748.9	5348.1	4807.8	4167.5	3627.5	3359.4	3224.6	3170.1
40°	6034.6	5967.5	5916.7	5741.5	5353.7	4841.5	4217.9	3661.7	3387.1	3257.1	3200.8
41°	6032.3	5961.1	5912.5	5741.5	5362.0	4865.6	4260.6	3699.0	3416.3	3288.2	3231.1
42°	6025.3	5956.0	5912.1	5750.3	5378.2	4887.3	4295.6	3733.9	3447.9	3322.5	3262.4
43°	6011.9	5948.6	5911.6	5765.5	5398.1	4913.2	4324.2	3765.7	3481.7	3357.2	3292.2
44°	5990.7	5939.3	5909.8	5783.1	5422.1	4946.5	4352.4	3796.5	3517.5	3394.6	3321.7

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5962.5	5923.6	5905.6	5799.3	5449.4	4983.4	4383.0	3829.0	3553.2	3431.6	3350.3
46°	5927.8	5903.3	5898.7	5812.7	5479.9	5020.4	4416.2	3863.5	3590.6	3468.4	3378.4
47°	5890.4	5881.6	5890.4	5822.4	5510.8	5058.8	4448.0	3901.6	3627.6	3504.2	3407.6
48°	5850.6	5857.1	5879.3	5829.3	5540.9	5097.6	4480.8	3941.9	3664.9	3540.0	3436.4
49°	5809.5	5831.6	5863.5	5834.0	5570.9	5135.0	4511.7	3982.4	3703.9	3575.1	3467.9
50°	5765.1	5805.3	5844.6	5835.8	5598.7	5172.5	4540.7	4024.7	3742.8	3609.9	3499.6
51°	5714.7	5774.8	5821.9	5835.3	5624.1	5207.2	4567.1	4066.9	3781.2	3645.3	3534.4
52°	5658.3	5737.3	5796.1	5832.1	5650.0	5241.8	4591.1	4108.9	3819.6	3681.7	3571.2
53°	5595.9	5695.3	5768.3	5828.4	5671.7	5272.3	4612.6	4149.2	3859.9	3719.5	3610.2
54°	5525.6	5641.2	5738.3	5820.6	5690.2	5300.5	4634.4	4187.1	3901.9	3759.6	3651.4
55°	5447.5	5577.9	5705.0	5809.9	5706.4	5325.5	4654.3	4222.8	3944.1	3801.1	3693.9
56°	5358.8	5504.8	5663.9	5793.7	5719.3	5347.2	4673.3	4257.0	3987.0	3845.4	3735.8
57°	5258.5	5420.7	5614.4	5772.5	5727.6	5365.7	4689.9	4290.1	4031.4	3893.3	3777.5
58°	5147.1	5323.6	5553.8	5747.1	5730.9	5380.0	4702.4	4320.0	4077.8	3943.8	3817.7
59°	5028.3	5213.2	5486.8	5718.4	5728.1	5388.4	4711.6	4347.2	4122.0	3995.3	3854.9
60°	4885.9	5089.7	5409.2	5684.2	5718.4	5390.2	4716.3	4371.7	4166.4	4049.4	3890.2
61°	4709.3	4946.0	5322.7	5641.7	5700.4	5381.4	4714.4	4390.8	4212.5	4105.5	3929.8
62°	4499.2	4773.6	5225.6	5590.8	5679.1	5362.0	4706.1	4405.3	4259.4	4163.0	3969.8
63°	4263.4	4574.5	5114.7	5529.8	5649.1	5338.4	4695.5	4416.7	4305.9	4220.8	4009.6
64°	4029.9	4363.9	4990.8	5459.5	5607.9	5304.2	4678.4	4420.5	4350.4	4280.5	4047.2
65°	3827.3	4166.8	4856.8	5377.3	5559.8	5260.3	4651.5	4419.4	4393.2	4338.2	4083.6
66°	3666.4	3986.3	4712.6	5283.9	5501.1	5209.9	4610.4	4414.1	4429.4	4395.6	4120.9
67°	3563.5	3835.0	4571.4	5174.3	5423.5	5138.3	4549.8	4392.2	4462.6	4447.6	4154.4
68°	3510.7	3724.1	4436.5	5050.0	5331.5	5041.2	4452.8	4351.3	4490.5	4498.2	4184.9
69°	3464.9	3646.3	4311.7	4912.2	5215.9	4915.0	4299.9	4274.8	4509.1	4542.0	4201.2
70°	3335.4	3577.9	4195.7	4763.4	5075.4	4737.5	4063.3	4142.1	4507.6	4580.7	4210.7
71°	3078.0	3457.4	4094.1	4611.3	4910.4	4497.1	3723.5	3944.7	4477.2	4607.4	4211.2
72°	2734.9	3249.2	3994.7	4456.1	4718.6	4199.7	3352.0	3686.8	4410.0	4619.2	4183.5
73°	2391.4	2957.1	3881.2	4305.5	4496.0	3852.6	3006.8	3395.7	4293.1	4600.0	4131.2
74°	2073.4	2632.1	3741.0	4149.1	4237.7	3491.5	2692.1	3119.0	4140.1	4541.9	4043.7
75°	1611.3	2274.6	3559.2	3960.2	3952.4	3111.9	2324.4	2853.4	3954.6	4433.2	3882.2
76°	985.5	1831.9	3303.7	3746.5	3639.7	2700.2	1777.4	2515.5	3765.2	4259.5	3662.0
77°	436.1	1210.1	2975.4	3445.4	3287.9	2165.1	1153.8	1996.7	3553.5	3974.8	3416.7
78°	327.8	585.7	2556.9	3041.2	2863.1	1487.4	534.3	1419.1	3287.7	3555.2	3107.9
79°	227.0	427.5	2020.2	2534.1	2356.9	820.8	217.0	841.5	2855.9	2997.5	2689.1
80°	126.2	278.6	1303.9	1916.8	1756.1	375.4	144.4	270.5	2183.4	2386.6	2259.2
81°	110.0	129.7	660.4	1257.5	1070.9	258.2	124.8	163.6	1546.4	1842.1	1900.6
82°	96.9	111.1	482.7	614.8	496.0	148.2	109.8	133.6	909.5	1389.4	1673.1
83°	84.0	95.9	311.1	455.7	358.0	121.9	94.8	113.4	284.9	1109.0	1559.1
84°	71.1	81.0	139.6	301.6	233.1	102.0	79.8	93.1	187.5	828.7	1181.3
85°	57.8	66.2	103.5	147.5	108.3	82.9	65.8	72.9	150.9	549.4	803.4
86°	43.4	52.3	75.9	120.3	82.8	63.8	51.8	57.1	121.3	338.2	433.4
87°	31.4	39.4	56.7	92.1	62.6	46.6	37.4	42.9	91.6	235.2	302.6
88°	19.5	26.4	39.2	60.4	44.8	32.5	23.8	30.3	62.1	132.3	171.8
89°	7.7	13.5	21.7	32.1	25.1	18.5	16.7	21.1	42.4	29.6	43.6

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

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: P1445088

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

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: P1445088
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4)

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: P1445088

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6	2955.6
1°	2915.8	2915.9	2919.8	2925.6	2934.6	2944.4	2954.8	2955.2	2965.5	2975.3	2984.6
2°	2882.3	2882.0	2887.2	2897.5	2911.9	2930.3	2950.2	2961.1	2982.2	3002.3	3020.4
3°	2853.9	2852.2	2859.1	2872.4	2891.9	2917.8	2946.9	2968.5	3001.1	3032.5	3060.9
4°	2829.3	2827.8	2835.3	2851.0	2875.5	2907.7	2945.5	2977.4	3021.6	3065.6	3106.5
5°	2808.0	2805.4	2814.7	2833.1	2861.5	2899.4	2945.5	2987.6	3043.4	3100.5	3155.5
6°	2787.8	2785.3	2795.5	2816.7	2849.3	2892.9	2947.7	3000.1	3067.7	3139.4	3208.5
7°	2770.6	2767.3	2778.4	2802.5	2838.0	2887.5	2950.3	3013.5	3094.4	3181.2	3265.4
8°	2755.9	2751.9	2764.3	2790.9	2829.0	2883.2	2953.9	3028.0	3122.8	3226.2	3326.3
9°	2744.6	2739.8	2753.2	2780.4	2822.7	2880.2	2959.2	3044.1	3153.8	3274.1	3392.2
10°	2735.5	2730.9	2744.1	2772.8	2817.4	2879.1	2967.3	3063.7	3187.2	3325.8	3463.8
11°	2730.0	2725.2	2738.4	2768.3	2814.0	2881.1	2977.3	3086.1	3224.6	3381.9	3540.3
12°	2728.4	2722.8	2735.6	2765.9	2813.8	2884.7	2989.6	3110.8	3265.2	3441.7	3621.9
13°	2729.0	2722.7	2736.1	2766.2	2815.6	2891.1	3004.1	3136.8	3308.5	3505.6	3711.6
14°	2730.9	2725.1	2738.4	2769.5	2818.9	2898.7	3020.0	3163.9	3353.0	3574.3	3804.5
15°	2735.5	2729.0	2742.1	2774.1	2824.7	2908.4	3037.3	3194.5	3400.7	3645.6	3903.1
16°	2741.7	2735.0	2748.1	2780.4	2833.6	2919.9	3056.5	3227.2	3450.5	3721.9	4005.3
17°	2748.8	2742.4	2756.3	2788.8	2843.7	2933.6	3077.3	3261.3	3503.6	3799.9	4109.4
18°	2757.9	2750.8	2765.9	2799.6	2854.7	2948.3	3100.3	3297.7	3557.5	3881.1	4217.6
19°	2768.1	2759.4	2776.6	2811.8	2867.5	2964.4	3124.0	3334.2	3613.5	3963.3	4322.2
20°	2778.1	2768.5	2787.8	2825.4	2881.7	2982.5	3150.1	3372.1	3671.8	4046.6	4428.6
21°	2787.7	2777.7	2800.2	2840.3	2897.8	3002.2	3176.9	3411.1	3732.7	4131.7	4531.6
22°	2798.1	2787.2	2812.7	2855.4	2914.5	3023.1	3204.5	3449.5	3792.8	4215.3	4632.6
23°	2809.6	2798.7	2825.7	2871.8	2932.0	3044.8	3232.3	3488.2	3855.0	4300.1	4731.0
24°	2823.0	2812.1	2839.8	2889.0	2949.2	3067.8	3260.9	3526.4	3916.5	4383.0	4825.8
25°	2837.5	2827.1	2855.9	2907.5	2966.9	3091.5	3288.5	3566.2	3978.9	4464.8	4917.8
26°	2853.5	2844.5	2873.6	2925.8	2984.9	3114.6	3317.0	3605.1	4042.0	4542.9	5007.9
27°	2871.7	2864.3	2892.8	2943.5	3003.5	3138.3	3345.4	3646.2	4105.1	4621.6	5099.9
28°	2891.3	2885.9	2914.2	2961.4	3023.4	3162.5	3374.8	3689.8	4169.8	4698.2	5193.8
29°	2912.8	2909.4	2936.4	2980.4	3043.6	3186.0	3405.7	3735.0	4236.8	4776.3	5283.9
30°	2935.0	2935.1	2958.7	2999.3	3064.8	3210.0	3437.6	3782.6	4304.6	4857.7	5373.1
31°	2957.0	2960.8	2980.8	3018.8	3086.5	3233.5	3469.9	3832.6	4375.7	4942.8	5468.8
32°	2979.6	2989.1	3003.4	3038.3	3108.2	3257.5	3501.1	3882.1	4448.1	5026.0	5552.0
33°	3002.8	3017.7	3026.3	3058.5	3130.1	3280.5	3532.6	3935.3	4523.3	5106.4	5632.0
34°	3026.4	3045.3	3049.0	3078.7	3151.3	3302.2	3565.0	3988.6	4593.9	5181.3	5696.7
35°	3050.2	3074.7	3072.5	3100.5	3173.2	3324.6	3598.1	4041.9	4660.3	5247.4	5742.0
36°	3074.6	3105.3	3096.5	3124.2	3195.2	3348.3	3630.3	4092.6	4723.7	5299.1	5761.4
37°	3099.6	3134.9	3119.6	3151.3	3219.9	3372.5	3660.1	4145.9	4777.7	5330.1	5763.2
38°	3122.7	3164.0	3141.8	3179.9	3248.5	3397.9	3690.1	4195.6	4818.9	5344.9	5752.1
39°	3145.2	3194.9	3163.9	3210.5	3279.1	3424.8	3717.5	4240.1	4848.5	5354.1	5740.6
40°	3169.1	3225.8	3187.0	3241.2	3311.1	3451.7	3746.9	4279.2	4869.3	5363.9	5737.8
41°	3193.4	3254.1	3212.1	3272.1	3345.2	3480.8	3775.3	4314.9	4888.7	5378.2	5746.6
42°	3218.4	3282.8	3238.6	3302.3	3381.4	3511.1	3806.4	4348.1	4915.0	5397.1	5764.6
43°	3243.9	3310.2	3265.7	3331.8	3418.0	3542.7	3841.9	4381.9	4950.6	5420.3	5785.4
44°	3269.9	3337.2	3294.2	3361.7	3453.6	3578.7	3879.4	4414.7	4989.9	5449.4	5804.8

REPORT NUMBER: P1445088

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3297.2	3363.9	3322.6	3391.2	3489.3	3616.2	3916.9	4446.3	5027.3	5482.7	5821.5
46°	3325.7	3389.5	3353.1	3421.1	3524.2	3655.9	3953.1	4478.1	5063.9	5518.7	5835.3
47°	3356.9	3416.6	3384.9	3450.7	3559.1	3697.9	3992.4	4510.9	5100.4	5554.3	5845.1
48°	3391.1	3439.7	3418.9	3480.3	3593.0	3741.5	4036.0	4539.7	5139.7	5586.7	5851.5
49°	3427.2	3463.1	3454.3	3511.8	3627.5	3783.7	4079.6	4566.0	5179.0	5616.2	5856.6
50°	3462.8	3486.3	3491.6	3545.4	3662.7	3824.9	4123.1	4589.6	5215.0	5642.1	5858.9
51°	3499.5	3511.4	3528.4	3580.8	3698.3	3863.9	4165.9	4611.6	5249.2	5665.7	5858.9
52°	3537.0	3534.9	3566.9	3618.8	3735.9	3902.8	4207.0	4634.4	5279.7	5687.0	5857.1
53°	3574.7	3557.0	3604.7	3658.6	3774.5	3943.1	4244.7	4654.8	5307.0	5705.9	5853.8
54°	3612.1	3578.2	3640.9	3699.6	3815.4	3984.2	4278.9	4674.2	5330.1	5721.6	5846.9
55°	3645.8	3600.1	3673.3	3742.8	3859.4	4027.4	4310.3	4689.9	5349.1	5732.3	5836.7
56°	3675.0	3621.6	3702.1	3785.8	3906.0	4071.6	4338.9	4704.2	5362.9	5741.0	5820.6
57°	3699.4	3642.7	3728.9	3829.6	3955.5	4114.7	4365.0	4717.2	5369.4	5744.3	5799.3
58°	3723.2	3663.1	3752.9	3868.6	4008.3	4157.9	4388.7	4725.5	5373.1	5739.7	5767.9
59°	3745.5	3683.3	3775.3	3904.7	4062.5	4200.9	4408.6	4727.8	5370.8	5729.5	5733.7
60°	3766.5	3700.8	3794.6	3941.8	4118.3	4242.4	4423.5	4725.0	5359.2	5715.2	5692.5
61°	3783.8	3716.9	3810.8	3982.5	4175.0	4283.7	4433.1	4721.8	5340.3	5695.3	5649.5
62°	3797.7	3733.7	3825.8	4023.5	4233.0	4326.9	4437.7	4714.9	5315.3	5665.2	5598.7
63°	3814.0	3749.4	3842.1	4059.2	4289.1	4369.2	4439.3	4698.2	5282.0	5625.9	5536.7
64°	3828.7	3765.5	3859.4	4092.2	4347.6	4409.0	4435.1	4672.8	5239.5	5576.5	5459.1
65°	3842.2	3768.4	3871.2	4125.9	4404.5	4447.0	4423.7	4629.4	5180.8	5515.0	5366.2
66°	3849.7	3748.7	3870.4	4161.1	4456.9	4480.9	4397.9	4560.8	5101.8	5438.7	5258.0
67°	3845.9	3726.5	3860.8	4190.2	4507.3	4501.6	4351.1	4468.4	4996.8	5350.9	5140.1
68°	3834.7	3687.4	3846.6	4213.9	4550.3	4504.2	4277.7	4318.3	4862.3	5241.4	5011.2
69°	3800.7	3585.7	3806.3	4226.3	4586.0	4489.9	4162.5	4082.7	4690.8	5108.2	4873.4
70°	3725.6	3413.5	3718.2	4227.3	4612.0	4455.6	3976.4	3750.3	4455.6	4949.7	4721.3
71°	3591.9	3151.9	3568.1	4211.6	4624.7	4389.5	3713.9	3365.2	4145.4	4756.9	4561.1
72°	3375.0	2830.8	3334.0	4173.5	4613.3	4293.4	3425.9	3021.5	3796.6	4543.2	4399.7
73°	3074.4	2501.1	3045.3	4112.5	4555.2	4148.6	3157.5	2712.1	3422.6	4281.1	4231.0
74°	2746.9	2171.0	2716.6	3995.9	4443.7	3976.4	2900.8	2359.5	3055.5	3976.9	4049.1
75°	2406.6	1757.8	2364.0	3809.9	4284.1	3796.0	2546.7	1815.1	2641.9	3637.4	3831.2
76°	2042.5	1323.4	1995.5	3589.1	4041.4	3601.7	2021.1	1132.2	2119.4	3280.0	3573.3
77°	1631.6	1036.0	1610.0	3331.6	3673.0	3340.9	1430.4	529.4	1463.3	2869.5	3214.2
78°	1362.1	1086.5	1381.8	3000.2	3171.2	2928.1	839.7	386.7	795.1	2373.7	2713.3
79°	1408.8	1370.2	1485.9	2569.6	2616.5	2299.6	250.4	258.4	353.5	1800.7	2124.0
80°	1693.1	1563.9	1761.0	2125.0	2071.9	1624.6	163.2	130.2	251.2	1135.1	1470.9
81°	1791.6	1212.9	1756.3	1733.6	1609.6	949.6	134.3	111.8	149.8	540.8	813.8
82°	1354.9	861.9	1318.1	1572.4	1281.1	287.9	115.2	97.4	124.0	394.9	587.1
83°	918.3	512.2	879.9	1239.3	952.5	193.2	96.1	83.4	104.9	256.2	372.3
84°	483.7	273.3	443.9	906.2	625.4	158.5	77.2	69.3	87.1	117.4	157.5
85°	255.6	164.8	247.3	573.1	364.1	129.0	61.5	54.5	67.9	87.8	132.6
86°	204.8	57.7	198.1	318.9	256.4	99.5	47.4	40.9	50.9	67.1	106.8
87°	153.9	38.9	148.9	255.3	148.6	70.1	34.3	27.4	36.5	49.1	75.9
88°	103.0	20.1	99.7	191.7	41.8	53.2	23.6	13.9	22.2	31.3	41.4
89°	52.1	1.8	50.5	128.1	22.1	36.3	13.0	4.6	7.9	23.8	31.2

REPORT NUMBER: P1445088

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

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: P1445088

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

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: P1445088
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4)

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: P1445088

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2955.6	2955.6	2955.6
1°	2990.8	2996.3	2998.5
2°	3035.2	3045.2	3048.2
3°	3084.9	3099.8	3104.5
4°	3139.7	3160.7	3167.5
5°	3199.2	3227.9	3237.0
6°	3264.8	3301.8	3314.1
7°	3335.7	3382.0	3397.3
8°	3411.3	3467.6	3485.9
9°	3493.7	3561.3	3584.0
10°	3582.6	3664.1	3690.0
11°	3678.3	3773.8	3804.8
12°	3780.4	3890.5	3928.1
13°	3891.4	4017.0	4061.3
14°	4005.3	4149.7	4201.7
15°	4124.8	4288.0	4347.8
16°	4251.2	4432.2	4498.2
17°	4382.0	4575.7	4646.5
18°	4511.3	4721.3	4793.0
19°	4636.8	4859.1	4935.8
20°	4759.2	4991.8	5075.0
21°	4878.0	5117.0	5205.3
22°	4991.3	5237.2	5328.7
23°	5099.5	5356.0	5442.9
24°	5205.3	5470.2	5553.4
25°	5310.7	5580.2	5658.8
26°	5415.2	5680.5	5748.0
27°	5516.4	5768.8	5829.8
28°	5607.0	5845.5	5903.3
29°	5693.0	5925.0	5981.9
30°	5779.9	6012.4	6075.2
31°	5866.3	6093.3	6153.4
32°	5947.7	6152.4	6211.6
33°	6006.4	6181.6	6234.3
34°	6037.3	6176.0	6221.3
35°	6037.8	6139.5	6176.9
36°	6017.5	6083.6	6118.2
37°	5979.6	6029.0	6068.8
38°	5945.4	5993.0	6045.7
39°	5928.3	5977.3	6037.3
40°	5922.2	5969.4	6034.6
41°	5920.9	5965.7	6032.3
42°	5920.9	5961.5	6025.3
43°	5921.3	5956.5	6011.9
44°	5921.3	5947.7	5990.7

REPORT NUMBER: P1445088

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5919.9	5932.4	5962.5
46°	5917.2	5912.1	5927.8
47°	5911.2	5889.4	5890.4
48°	5902.4	5864.9	5850.6
49°	5887.1	5839.5	5809.5
50°	5868.6	5815.0	5765.1
51°	5845.1	5786.3	5714.7
52°	5817.8	5750.8	5658.3
53°	5789.1	5708.2	5595.9
54°	5759.5	5653.7	5525.6
55°	5725.8	5589.9	5447.5
56°	5685.1	5516.4	5358.8
57°	5634.7	5430.9	5258.5
58°	5572.8	5332.4	5147.1
59°	5504.4	5220.6	5028.3
60°	5425.8	5098.5	4885.9
61°	5334.3	4959.4	4709.3
62°	5234.4	4792.5	4499.2
63°	5129.0	4597.8	4263.4
64°	5012.1	4385.3	4029.9
65°	4881.3	4187.2	3827.3
66°	4740.3	4016.6	3666.4
67°	4600.7	3871.5	3563.5
68°	4462.0	3761.8	3510.7
69°	4341.6	3676.3	3464.9
70°	4236.0	3601.0	3335.4
71°	4126.7	3479.8	3078.0
72°	4002.0	3265.4	2734.9
73°	3883.7	2968.5	2391.4
74°	3733.1	2627.5	2073.4
75°	3509.2	2257.5	1611.3
76°	3213.1	1806.9	985.5
77°	2870.8	1209.4	436.1
78°	2433.4	607.6	327.8
79°	1827.8	438.9	227.0
80°	1061.5	286.2	126.2
81°	507.6	133.6	110.0
82°	378.6	110.9	96.9
83°	252.9	96.8	84.0
84°	127.1	81.1	71.1
85°	92.8	65.1	57.8
86°	69.7	50.6	43.4
87°	51.2	37.4	31.4
88°	41.0	24.3	19.5
89°	31.2	11.1	7.7

REPORT NUMBER: P1445088

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

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: P1445088

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

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: P1445088

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)