

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: P1436800

Luminaire Tested: XAS300-SFPM (4000K-120W-T5-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436800
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-120W-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 16903.7 lumens
Efficiency: 45.8%
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

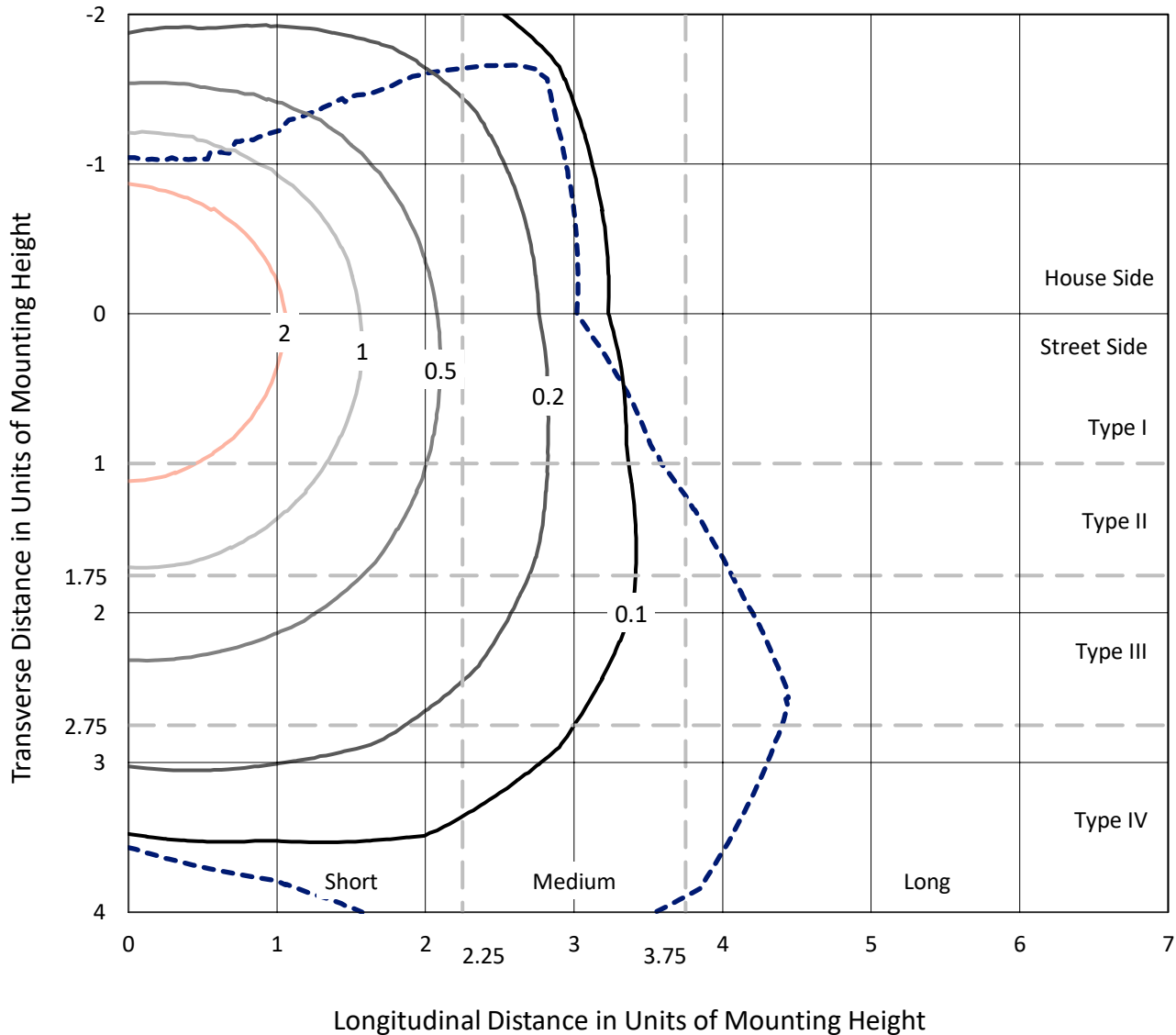
Input Watts (W): 123.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

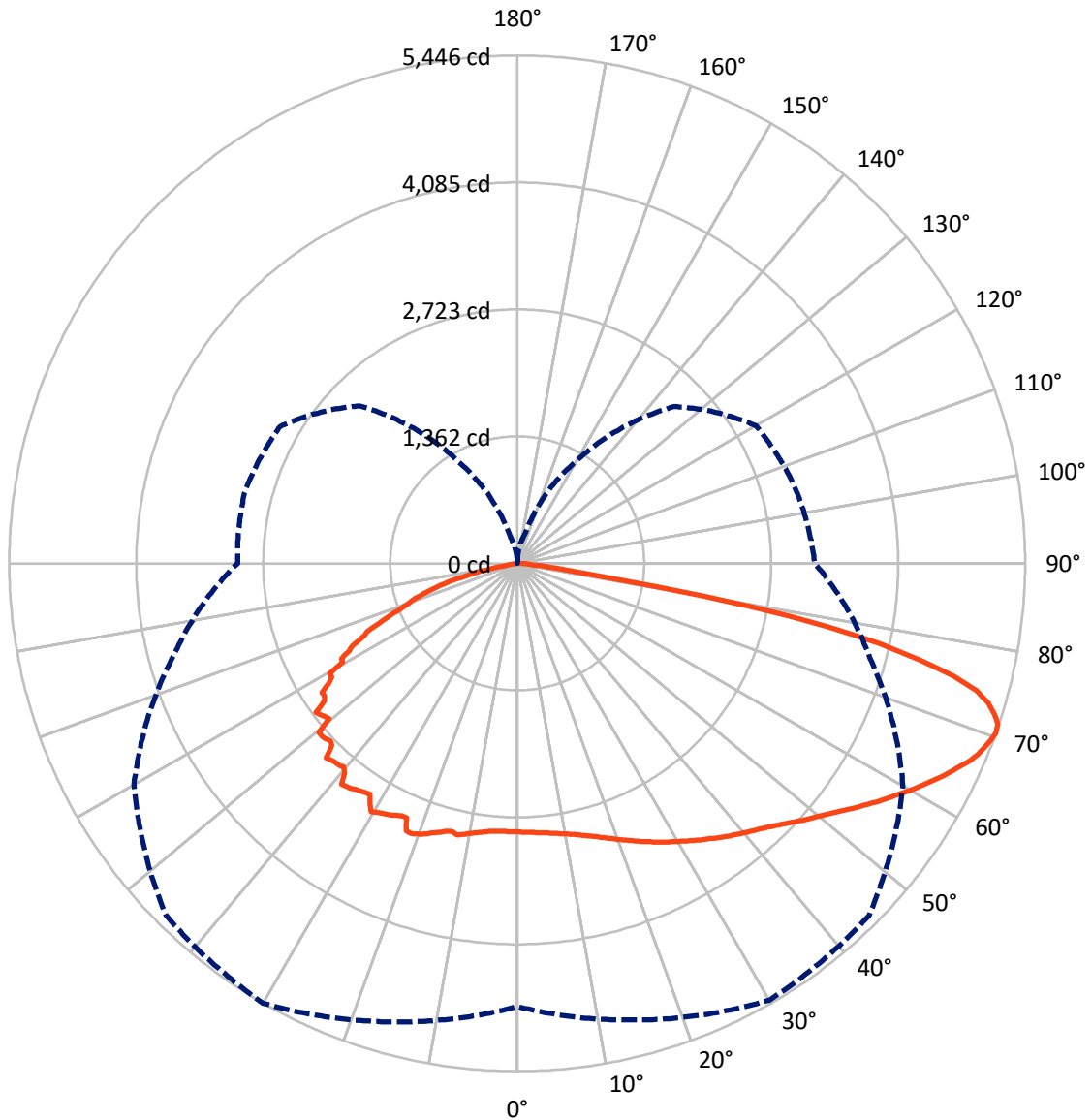
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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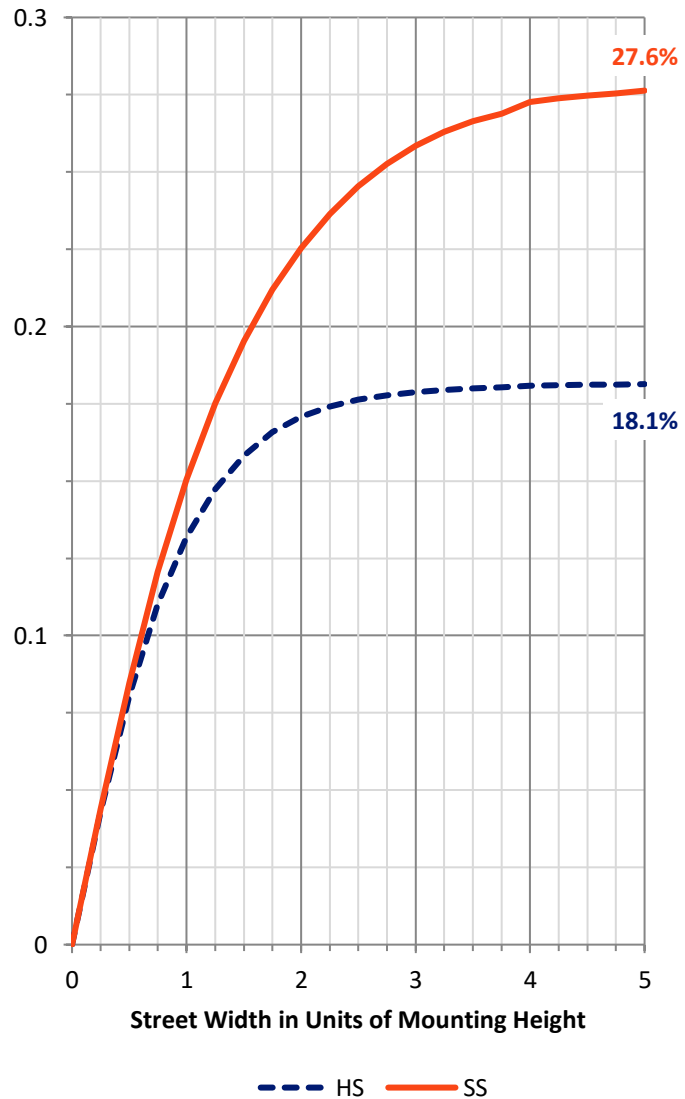
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6712.8	0.0	6712.8
	% Lamp	18.2	0.0	18.2
Street Side	Lumens	10190.9	0.0	10190.9
	% Lamp	27.6	0.0	27.6
Total	Lumens	16903.7	0.0	16903.7
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	278.1	1.6	0.8
10°-20°	859.6	5.1	2.3
20°-30°	1486.2	8.8	4.0
30°-40°	2129.7	12.6	5.8
40°-50°	2753.3	16.3	7.5
50°-60°	3313.3	19.6	9.0
60°-70°	3546.8	21.0	9.6
70°-80°	2385.0	14.1	6.5
80°-90°	151.9	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°	16903.7	100.0	45.8
0°-180°	16903.7	100.0	45.8

Coefficient of Utilization



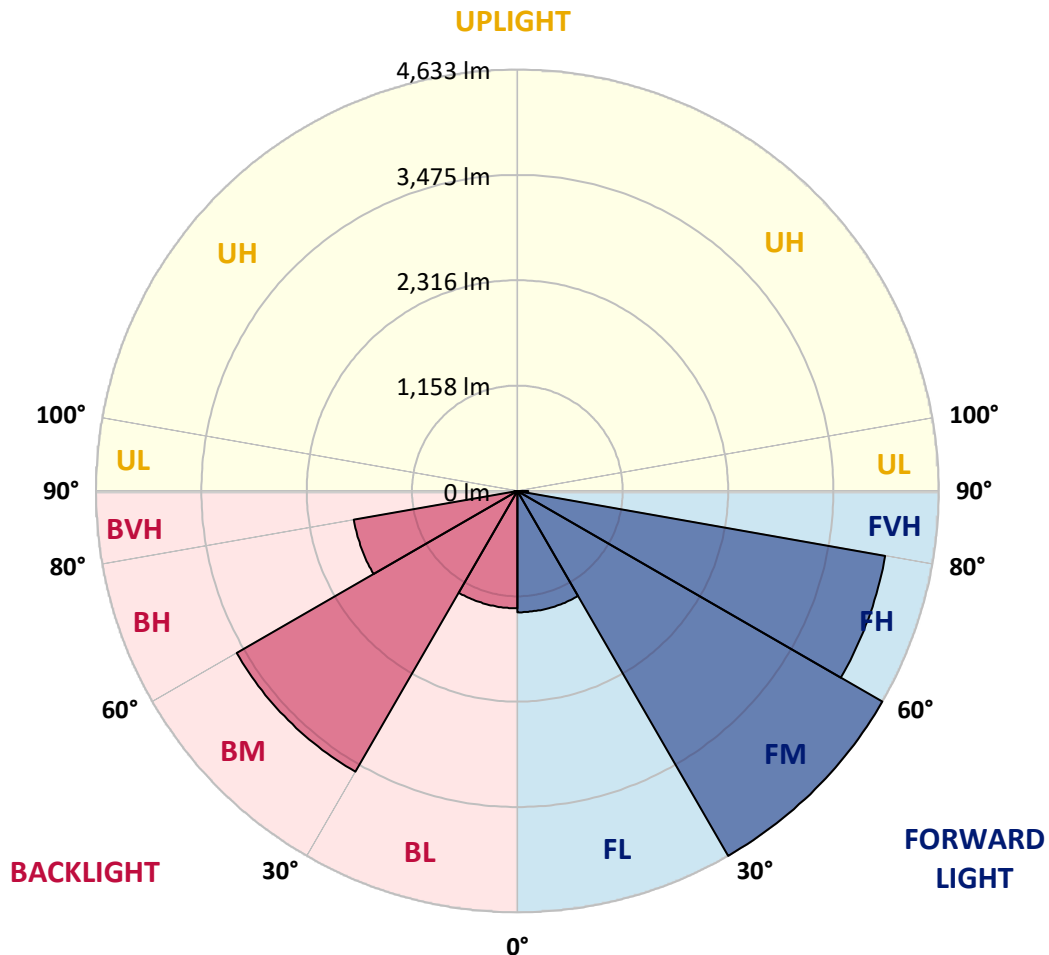
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1333.7	3.6			
FM (30°-60°)	4633.0	12.5			
FH (60°-80°)	4105.6	11.1			G2/5000
FVH (80°-90°)	118.7	0.3			G2/225
BL (0°-30°)	1290.1	3.5	B3/2500		
BM (30°-60°)	3563.3	9.6	B3/5000		
BH (60°-80°)	1826.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	33.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	20028.3	54.2			

BUG Rating: B3-U0-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4
1°	2882.5	2882.8	2881.9	2882.6	2882.2	2881.2	2879.9	2879.0	2878.4	2878.5	2878.4
2°	2885.8	2885.6	2884.7	2884.9	2883.7	2882.4	2880.7	2879.3	2877.9	2877.8	2877.9
3°	2890.3	2889.6	2888.3	2888.1	2887.1	2886.1	2882.9	2881.0	2879.1	2878.3	2878.2
4°	2895.1	2894.0	2893.1	2893.5	2892.1	2891.7	2888.1	2884.6	2881.9	2880.4	2879.8
5°	2900.8	2899.6	2899.5	2900.1	2900.2	2900.1	2895.7	2891.3	2886.5	2883.9	2882.9
6°	2907.2	2906.3	2906.3	2908.6	2909.9	2908.6	2904.1	2899.5	2892.6	2888.1	2886.8
7°	2914.8	2913.8	2914.3	2918.3	2919.6	2917.9	2913.0	2908.0	2900.7	2894.9	2895.7
8°	2923.3	2922.7	2924.1	2928.8	2930.1	2929.0	2923.7	2917.8	2910.1	2905.5	2907.5
9°	2933.1	2932.6	2935.5	2940.1	2943.0	2941.2	2935.3	2927.7	2920.0	2919.0	2920.3
10°	2944.8	2944.2	2947.6	2953.1	2956.4	2953.9	2947.2	2938.2	2930.5	2934.5	2935.1
11°	2958.5	2957.4	2961.2	2968.0	2970.7	2967.9	2960.5	2950.5	2943.9	2950.4	2949.8
12°	2972.8	2971.4	2976.4	2983.5	2985.9	2983.4	2970.1	2959.5	2960.6	2967.7	2966.3
13°	2989.4	2987.0	2992.2	3000.9	3002.4	2993.5	2978.9	2967.7	2971.2	2985.2	2983.5
14°	3007.8	3004.6	3009.3	3018.6	3020.8	3006.0	2991.4	2977.3	2984.0	3003.5	2960.2
15°	3027.9	3024.4	3028.4	3037.2	3034.8	3020.6	3006.2	2991.4	2996.5	3016.7	2965.9
16°	3049.1	3045.3	3050.0	3057.9	3051.1	3037.2	3027.3	3010.8	3012.8	3024.4	2986.7
17°	3070.8	3066.3	3072.2	3079.1	3069.3	3059.2	3044.3	3026.4	3031.6	3008.4	3008.4
18°	3094.1	3089.2	3095.3	3103.9	3085.7	3080.3	3065.0	3045.1	3048.8	3015.6	3031.7
19°	3117.1	3112.7	3119.7	3126.9	3106.2	3101.0	3090.2	3071.0	3070.0	3036.1	3056.9
20°	3141.4	3136.6	3145.2	3147.0	3129.6	3123.1	3117.9	3097.8	3095.9	3053.7	3080.8
21°	3165.5	3161.7	3171.4	3169.8	3154.1	3151.1	3145.5	3121.3	3121.1	3073.5	3097.3
22°	3190.2	3187.8	3198.7	3194.4	3176.9	3180.5	3166.9	3135.5	3135.8	3099.6	3111.2
23°	3217.5	3215.8	3226.9	3219.4	3203.9	3210.1	3179.9	3152.3	3130.9	3125.2	3105.1
24°	3244.6	3244.9	3255.1	3243.9	3229.9	3233.4	3195.7	3181.1	3141.3	3144.1	2976.9
25°	3273.8	3275.1	3284.6	3271.0	3258.8	3252.4	3221.1	3198.5	3161.3	3162.9	2976.7
26°	3303.7	3305.8	3314.7	3297.2	3288.5	3271.2	3244.0	3219.8	3178.7	3185.8	2995.0
27°	3335.5	3339.0	3346.5	3327.8	3318.0	3292.2	3261.9	3248.4	3205.8	3198.3	3015.8
28°	3369.3	3373.5	3378.8	3356.2	3346.9	3321.3	3287.1	3276.4	3232.3	3140.0	3032.2
29°	3404.5	3407.6	3410.4	3383.5	3373.0	3351.4	3318.8	3298.5	3246.5	3070.9	3049.6
30°	3441.8	3442.2	3439.8	3411.1	3398.7	3373.8	3351.7	3314.1	3259.4	3081.5	3068.1
31°	3479.6	3476.6	3468.7	3443.3	3418.7	3399.7	3379.6	3336.1	3283.4	3084.9	3089.3
32°	3519.5	3511.9	3500.3	3473.0	3441.9	3426.5	3397.2	3361.7	3308.6	3098.5	3022.3
33°	3562.3	3547.4	3531.6	3502.2	3466.1	3456.8	3419.2	3387.2	3318.4	3120.0	2935.7
34°	3605.2	3582.6	3562.0	3534.8	3495.9	3486.9	3448.0	3401.4	3337.3	3143.5	2948.7
35°	3649.7	3619.2	3595.1	3568.6	3526.2	3515.5	3478.8	3423.1	3352.4	3162.7	2961.2
36°	3693.9	3653.9	3626.6	3601.4	3555.0	3537.5	3511.1	3446.5	3368.0	3172.7	2979.2
37°	3739.8	3687.6	3658.7	3634.1	3580.5	3553.8	3535.1	3464.2	3369.9	3176.5	3003.5
38°	3786.8	3720.6	3689.6	3668.0	3609.5	3576.0	3564.3	3485.1	3302.6	3089.4	3015.5
39°	3833.5	3754.0	3722.4	3698.1	3635.5	3602.6	3602.5	3500.5	3250.8	3052.7	3024.3
40°	3884.1	3789.3	3753.4	3728.0	3667.4	3633.4	3638.1	3522.4	3275.1	3078.7	2909.1
41°	3933.3	3828.1	3785.9	3760.5	3703.1	3667.2	3671.1	3532.5	3303.2	3102.0	2867.4
42°	3982.8	3870.9	3823.0	3790.2	3740.1	3702.4	3703.7	3541.3	3330.4	3098.5	2888.4
43°	4027.8	3916.9	3862.5	3824.6	3777.9	3728.2	3732.1	3567.4	3319.6	3107.6	2890.9
44°	4070.9	3965.1	3903.8	3860.4	3816.5	3761.6	3760.1	3588.2	3322.6	3130.2	2906.4



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	4112.1	4014.2	3945.5	3897.1	3850.4	3797.6	3790.2	3623.6	3345.2	3145.8	2922.0
46°	4151.1	4064.9	3989.9	3939.5	3885.5	3840.3	3812.2	3626.8	3371.5	3053.1	2787.5
47°	4188.1	4117.6	4037.5	3985.2	3924.4	3879.2	3833.8	3616.0	3378.1	3001.9	2763.3
48°	4224.4	4174.4	4087.2	4033.7	3964.4	3916.9	3865.0	3636.3	3381.3	3018.5	2786.5
49°	4262.9	4233.9	4140.5	4082.8	4008.9	3958.4	3894.3	3665.9	3310.1	3048.6	2795.2
50°	4302.8	4296.4	4194.4	4128.2	4055.7	3998.9	3922.8	3684.5	3301.0	3062.2	2794.2
51°	4344.7	4359.4	4250.7	4177.0	4103.3	4035.9	3946.9	3696.0	3312.6	3068.1	2615.0
52°	4387.2	4425.1	4309.0	4230.7	4154.3	4074.3	3945.9	3715.9	3324.0	2958.2	2636.2
53°	4434.5	4491.8	4367.6	4286.2	4203.1	4110.7	3921.8	3726.9	3357.9	2945.1	2664.3
54°	4486.5	4557.8	4432.6	4344.5	4246.0	4143.5	3915.9	3726.5	3359.2	2958.7	2686.0
55°	4537.4	4622.4	4499.6	4406.6	4290.8	4169.5	3926.3	3726.4	3358.7	2967.0	2536.4
56°	4589.4	4685.1	4567.8	4473.3	4337.4	4198.9	3942.1	3719.0	3340.2	2927.8	2504.9
57°	4639.3	4745.5	4637.0	4538.8	4386.6	4232.9	3950.5	3714.8	3267.5	2830.2	2511.7
58°	4687.8	4801.3	4707.0	4608.2	4434.9	4264.3	3948.7	3675.3	3277.7	2865.4	2398.4
59°	4735.4	4852.1	4777.5	4675.9	4481.7	4290.1	3944.4	3676.5	3273.1	2902.2	2331.1
60°	4782.1	4900.2	4846.6	4745.5	4525.3	4312.3	3942.9	3646.5	3259.7	2889.3	2333.0
61°	4821.5	4941.4	4917.1	4811.4	4569.9	4324.4	3931.2	3615.6	3230.6	2791.5	2152.1
62°	4855.8	4977.5	4986.2	4874.5	4615.0	4316.0	3902.4	3577.9	3191.3	2779.3	2143.6
63°	4888.7	5010.0	5054.4	4939.5	4655.8	4280.3	3868.4	3536.6	3178.8	2737.1	2031.4
64°	4931.8	5041.2	5124.5	5008.2	4686.9	4247.4	3825.2	3497.0	3143.2	2680.0	1969.3
65°	4976.6	5079.6	5189.4	5078.7	4721.2	4221.2	3783.1	3449.8	3070.2	2655.6	1826.7
66°	5003.6	5120.3	5247.1	5141.4	4754.2	4206.8	3726.4	3410.0	3081.4	2579.4	1772.3
67°	5007.3	5150.1	5296.6	5201.3	4774.3	4184.1	3658.5	3348.1	3100.4	2539.3	1620.8
68°	5002.2	5154.7	5345.5	5258.6	4789.0	4138.9	3549.4	3283.5	3115.4	2484.9	1506.2
69°	4943.7	5133.6	5387.2	5305.2	4788.5	4061.7	3420.9	3204.5	3034.1	2433.1	1360.4
70°	4750.5	5069.1	5406.9	5336.4	4774.8	3915.6	3190.7	3089.6	2954.2	2377.2	1262.1
71°	4372.1	4902.5	5390.4	5344.2	4742.3	3717.4	2891.2	2922.8	2890.0	2301.9	1200.2
72°	3883.6	4594.0	5334.5	5323.6	4692.4	3463.2	2609.4	2718.4	2809.3	2215.9	1103.6
73°	3406.1	4170.4	5232.9	5278.7	4605.0	3186.0	2366.4	2486.4	2684.8	2123.2	1006.6
74°	2938.0	3706.0	5077.3	5192.7	4467.5	2910.4	2150.4	2244.4	2556.2	2014.0	909.5
75°	2242.8	3187.1	4843.4	5035.2	4307.5	2634.1	1892.8	2002.9	2411.9	1881.6	811.7
76°	1337.7	2515.1	4481.5	4794.9	4073.0	2262.3	1394.7	1769.6	2236.5	1704.8	681.4
77°	580.0	1593.9	4004.2	4426.3	3765.1	1704.7	896.6	1341.5	2037.2	1474.6	554.3
78°	442.9	744.5	3416.4	3885.8	3340.8	1018.9	405.7	913.4	1799.1	1187.4	407.0
79°	314.7	557.7	2614.5	3197.4	2712.4	436.3	149.6	485.3	1468.4	900.2	246.2
80°	186.6	372.9	1600.0	2340.3	1908.8	326.3	126.2	346.3	1011.3	613.0	151.1
81°	169.8	188.1	768.4	1440.7	1040.9	218.8	102.7	207.3	554.3	343.3	56.7
82°	155.2	167.6	560.4	638.2	438.6	111.4	79.5	72.6	390.1	201.2	33.8
83°	140.7	149.5	367.7	479.0	293.7	96.2	68.3	61.8	225.9	60.7	23.5
84°	125.9	132.1	175.0	328.2	149.6	82.2	57.8	51.9	63.1	48.9	18.2
85°	110.4	115.5	141.5	177.4	118.8	69.1	47.4	42.1	49.8	40.7	14.2
86°	93.5	99.2	117.0	148.2	95.5	56.5	37.1	33.1	38.3	33.2	11.9
87°	76.8	84.0	96.9	116.5	77.0	45.1	26.9	25.2	29.4	25.0	9.6
88°	62.4	69.3	77.5	81.4	59.8	34.6	19.2	19.5	21.8	17.8	7.2
89°	51.3	54.1	55.5	48.0	46.0	24.2	11.5	13.8	15.5	10.6	5.1



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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4	2880.4
1°	2878.2	2879.0	2879.6	2880.2	2881.3	2881.8	2882.8	2882.3	2882.3	2882.8	2883.5
2°	2877.4	2878.8	2879.7	2881.2	2882.8	2884.3	2885.3	2886.3	2886.2	2886.7	2887.0
3°	2878.4	2879.5	2881.4	2883.1	2885.5	2887.6	2889.4	2891.4	2891.7	2892.1	2891.5
4°	2879.8	2881.6	2883.4	2885.8	2889.1	2892.8	2895.8	2898.1	2898.8	2899.1	2897.7
5°	2881.9	2883.6	2886.1	2889.8	2894.0	2899.1	2903.1	2905.8	2906.7	2906.8	2905.5
6°	2888.2	2890.8	2893.1	2894.4	2900.8	2906.7	2911.1	2915.1	2915.6	2915.4	2913.1
7°	2898.5	2901.2	2903.3	2904.8	2908.1	2915.3	2920.7	2925.5	2926.1	2925.3	2922.3
8°	2909.4	2911.7	2913.7	2916.9	2919.2	2925.4	2931.4	2936.5	2938.1	2937.7	2933.3
9°	2921.4	2923.2	2926.1	2930.8	2933.0	2936.0	2942.3	2948.0	2950.5	2950.5	2945.0
10°	2933.3	2935.2	2938.5	2945.3	2948.5	2947.8	2955.3	2962.1	2964.0	2963.7	2958.1
11°	2948.4	2950.2	2952.8	2960.5	2965.7	2963.3	2970.5	2978.9	2980.8	2979.4	2973.6
12°	2951.9	2933.4	2959.2	2977.6	2984.9	2982.7	2980.1	2990.1	2999.2	2997.6	2990.5
13°	2924.4	2926.1	2929.6	2995.4	3004.2	2995.2	2993.2	3003.9	3013.1	3019.0	3009.1
14°	2941.6	2945.0	2948.6	2976.7	3025.1	3010.8	3006.6	3018.2	3028.2	3037.6	3029.3
15°	2962.7	2964.4	2968.4	2979.2	3040.3	3026.8	3023.9	3036.6	3045.1	3054.9	3051.6
16°	2984.1	2986.3	2990.0	3001.8	3056.8	3047.9	3041.2	3057.6	3065.5	3073.5	3075.8
17°	3006.9	3009.0	3013.8	3026.0	3045.6	3065.5	3060.4	3079.2	3090.1	3092.6	3100.4
18°	3030.2	3028.4	3036.7	3051.0	3050.2	3086.7	3084.7	3103.2	3111.7	3115.8	3123.6
19°	3050.9	3048.4	3058.6	3077.1	3069.4	3113.8	3111.8	3131.8	3136.3	3141.1	3143.9
20°	3071.0	3058.7	3079.6	3102.6	3090.0	3141.7	3137.2	3160.4	3164.6	3168.4	3168.0
21°	3025.8	2918.8	3037.2	3118.3	3116.4	3164.9	3160.7	3185.2	3195.6	3191.3	3194.2
22°	2926.8	2921.8	2940.5	3134.6	3144.7	3182.1	3177.1	3206.1	3226.4	3219.3	3218.7
23°	2944.9	2940.9	2960.5	3136.2	3167.9	3182.1	3201.7	3221.5	3254.2	3246.1	3246.3
24°	2964.1	2961.8	2981.4	3012.0	3190.9	3196.6	3232.7	3246.6	3280.5	3277.4	3273.9
25°	2986.8	2986.3	3005.5	3014.9	3211.6	3214.0	3252.1	3275.7	3300.5	3309.4	3301.9
26°	3012.6	3011.1	3033.0	3037.6	3237.5	3235.4	3276.2	3295.2	3321.7	3340.6	3330.9
27°	3036.0	3035.5	3058.3	3058.3	3248.2	3264.4	3308.1	3318.2	3353.0	3369.8	3357.5
28°	3061.3	3036.4	3082.4	3076.5	3195.2	3290.6	3337.0	3350.5	3386.5	3397.1	3385.5
29°	3030.2	2882.3	3045.3	3094.2	3127.4	3303.3	3356.2	3385.0	3413.5	3424.5	3416.7
30°	2897.8	2902.7	2920.9	3117.3	3135.7	3320.6	3377.4	3416.1	3440.3	3448.1	3446.5
31°	2916.5	2926.5	2942.2	3138.8	3142.2	3345.6	3403.7	3439.5	3468.8	3471.5	3476.5
32°	2936.3	2954.6	2963.3	3063.4	3160.9	3371.4	3432.4	3462.1	3500.5	3496.4	3511.9
33°	2959.0	2983.3	2987.8	2982.9	3185.7	3381.9	3459.1	3487.7	3529.8	3528.9	3547.1
34°	2982.6	3010.0	3010.3	2996.7	3211.1	3401.4	3473.8	3517.4	3557.1	3560.1	3582.4
35°	3003.6	3034.3	3031.3	3009.5	3227.1	3415.7	3496.4	3550.0	3577.4	3591.0	3617.5
36°	3020.7	2863.4	3046.8	3030.6	3235.1	3429.3	3514.4	3577.1	3592.7	3614.6	3650.0
37°	2841.6	2849.7	2861.8	3053.1	3235.2	3429.8	3532.8	3603.2	3614.9	3642.8	3681.8
38°	2820.1	2876.3	2848.8	3061.4	3147.2	3364.5	3552.0	3638.0	3639.3	3669.0	3714.3
39°	2839.0	2906.3	2867.6	3075.1	3115.9	3319.9	3566.0	3673.8	3667.7	3702.0	3746.1
40°	2862.0	2936.2	2888.5	2959.0	3143.5	3347.0	3588.7	3707.5	3699.9	3737.2	3775.8
41°	2875.3	2943.6	2901.8	2923.8	3160.7	3375.7	3595.2	3746.7	3735.1	3772.8	3805.8
42°	2868.2	2730.4	2903.0	2940.5	3155.8	3394.3	3606.8	3782.6	3767.7	3807.7	3839.9
43°	2683.7	2746.2	2715.6	2942.1	3171.4	3377.2	3635.5	3812.8	3803.5	3843.2	3874.3
44°	2702.5	2765.4	2736.3	2957.5	3193.9	3387.1	3661.8	3843.8	3843.0	3874.4	3914.5



REPORT NUMBER: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2729.2	2781.1	2761.8	2971.5	3212.6	3414.7	3696.0	3870.8	3884.9	3910.3	3960.3
46°	2744.2	2725.0	2773.3	2824.4	3115.1	3437.4	3685.3	3891.4	3922.5	3953.2	4008.8
47°	2702.4	2532.6	2733.1	2819.1	3071.5	3451.5	3682.9	3919.7	3960.7	3996.8	4057.0
48°	2533.4	2544.0	2569.6	2838.7	3092.0	3447.4	3709.9	3949.4	4004.5	4043.0	4103.0
49°	2559.2	2557.7	2594.7	2847.9	3123.2	3376.7	3745.6	3975.9	4047.9	4089.2	4149.2
50°	2585.4	2567.4	2621.3	2843.8	3130.1	3382.8	3764.0	3999.5	4085.3	4135.4	4197.8
51°	2610.1	2314.3	2641.1	2672.5	3137.8	3394.9	3775.6	4010.8	4124.1	4184.6	4251.4
52°	2389.6	2320.8	2415.5	2697.8	3015.1	3411.5	3802.0	3988.7	4162.6	4232.4	4303.5
53°	2381.3	2330.1	2415.7	2726.1	3019.7	3442.4	3807.0	3975.6	4198.3	4275.2	4362.2
54°	2387.3	2145.6	2416.9	2752.4	3036.5	3442.1	3808.8	3982.9	4224.3	4319.4	4423.8
55°	2220.1	2049.0	2248.1	2575.6	3043.7	3440.1	3806.1	3998.1	4251.0	4360.6	4486.7
56°	2134.9	2049.4	2169.5	2561.9	2983.1	3416.8	3793.4	4010.8	4280.3	4405.9	4551.8
57°	2136.4	1833.1	2174.0	2572.3	2919.9	3355.6	3783.0	4008.0	4306.3	4451.5	4615.5
58°	1929.0	1773.1	1953.6	2441.3	2953.7	3362.5	3740.2	3999.5	4327.4	4490.6	4679.1
59°	1880.2	1760.9	1914.3	2392.8	2988.2	3353.9	3740.7	3994.0	4345.5	4529.9	4740.0
60°	1827.2	1475.1	1845.2	2393.4	2949.9	3335.2	3694.8	3985.6	4354.6	4574.4	4799.5
61°	1617.8	1464.0	1650.4	2209.3	2865.0	3295.9	3662.9	3960.0	4344.2	4616.4	4862.2
62°	1572.7	1177.4	1588.0	2205.3	2851.7	3259.7	3616.8	3933.9	4308.3	4650.7	4929.9
63°	1342.0	1018.5	1370.6	2063.3	2797.5	3243.4	3567.9	3882.4	4277.0	4681.9	4997.7
64°	1196.7	859.5	1209.5	2021.4	2746.2	3196.5	3524.2	3843.8	4252.0	4715.3	5059.9
65°	1041.0	700.8	1046.2	1864.0	2713.5	3131.9	3471.1	3784.9	4233.3	4747.3	5119.4
66°	885.4	556.6	883.0	1811.5	2636.1	3145.4	3415.3	3713.2	4212.8	4771.1	5175.3
67°	728.7	370.1	719.1	1663.9	2593.5	3156.1	3334.5	3613.5	4171.1	4786.7	5228.8
68°	542.0	183.7	519.4	1521.5	2522.2	3147.2	3256.8	3501.8	4100.3	4792.6	5277.8
69°	379.8	0.3	356.6	1359.4	2455.4	3031.9	3161.0	3295.5	3984.5	4778.4	5314.4
70°	340.0	0.3	305.2	1259.1	2387.4	2935.0	3019.6	2997.8	3812.9	4745.5	5330.9
71°	297.1	0.3	259.8	1190.9	2303.8	2848.5	2818.0	2688.8	3556.5	4696.0	5328.6
72°	250.2	0.3	209.9	1079.7	2206.1	2746.6	2587.6	2426.8	3257.8	4621.9	5306.6
73°	202.1	0.3	159.0	957.2	2091.6	2607.2	2348.3	2222.6	2964.5	4491.9	5244.4
74°	159.6	0.3	113.8	834.7	1949.9	2467.4	2116.4	1966.3	2679.3	4316.0	5127.7
75°	115.8	0.4	69.1	711.9	1799.0	2308.8	1852.3	1540.4	2362.3	4086.8	4953.3
76°	72.1	0.4	39.3	572.4	1593.3	2099.8	1533.0	983.1	1901.1	3793.9	4696.5
77°	34.6	0.5	18.1	441.1	1316.9	1856.0	1240.1	454.4	1286.4	3436.9	4302.7
78°	25.6	0.6	14.4	297.0	1018.5	1553.1	947.3	329.3	630.5	2952.1	3686.8
79°	16.6	0.7	10.7	211.6	720.2	1135.1	654.4	214.5	453.7	2300.4	2890.4
80°	7.7	0.8	7.0	126.2	425.2	717.1	361.5	99.8	287.9	1474.6	2030.7
81°	6.7	1.0	6.2	41.1	301.5	305.1	78.8	85.4	122.0	702.4	1135.1
82°	6.0	1.1	5.6	27.7	177.9	189.1	67.8	74.4	106.3	510.5	442.0
83°	5.4	1.3	5.1	22.2	56.2	73.9	57.8	63.6	92.3	324.6	342.2
84°	4.9	1.4	4.7	17.4	48.0	58.2	48.4	53.1	78.6	138.8	256.9
85°	4.4	1.6	4.3	13.4	40.4	46.3	39.3	42.5	65.7	109.7	171.6
86°	4.0	1.7	3.9	11.2	32.7	36.0	30.8	31.9	53.4	88.7	141.6
87°	3.6	1.9	3.5	8.9	24.2	27.3	23.3	21.2	43.1	70.9	108.9
88°	3.3	2.1	3.3	6.7	17.2	19.3	16.5	12.3	31.9	53.7	72.9
89°	3.0	2.3	3.0	4.8	10.2	11.3	9.6	5.3	20.8	41.9	42.2



REPORT NUMBER: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2880.4	2880.4	2880.4
1°	2882.9	2883.1	2882.5
2°	2886.4	2886.1	2885.8
3°	2891.1	2890.4	2890.3
4°	2896.9	2895.5	2895.1
5°	2903.3	2901.5	2900.8
6°	2910.4	2907.6	2907.2
7°	2918.7	2915.6	2914.8
8°	2928.6	2924.6	2923.3
9°	2939.5	2934.9	2933.1
10°	2951.7	2946.4	2944.8
11°	2965.8	2959.6	2958.5
12°	2981.4	2974.1	2972.8
13°	2998.4	2990.5	2989.4
14°	3016.6	3009.5	3007.8
15°	3037.5	3029.5	3027.9
16°	3059.9	3051.0	3049.1
17°	3084.3	3074.3	3070.8
18°	3109.2	3097.1	3094.1
19°	3135.3	3121.7	3117.1
20°	3162.1	3146.1	3141.4
21°	3190.2	3172.6	3165.5
22°	3218.9	3199.6	3190.2
23°	3248.9	3228.8	3217.5
24°	3278.0	3258.8	3244.6
25°	3307.7	3291.0	3273.8
26°	3338.9	3324.3	3303.7
27°	3370.6	3356.7	3335.5
28°	3399.9	3390.9	3369.3
29°	3428.3	3424.4	3404.5
30°	3459.3	3458.9	3441.8
31°	3490.7	3494.2	3479.6
32°	3521.9	3528.8	3519.5
33°	3555.5	3564.5	3562.3
34°	3587.9	3600.9	3605.2
35°	3620.9	3637.5	3649.7
36°	3654.9	3672.5	3693.9
37°	3689.2	3707.1	3739.8
38°	3722.6	3740.4	3786.8
39°	3755.5	3773.6	3833.5
40°	3789.8	3809.9	3884.1
41°	3825.1	3849.9	3933.3
42°	3861.8	3893.9	3982.8
43°	3900.2	3939.7	4027.8
44°	3943.1	3989.3	4070.9



REPORT NUMBER: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	3988.5	4038.3	4112.1
46°	4039.0	4089.9	4151.1
47°	4091.0	4145.6	4188.1
48°	4141.5	4203.6	4224.4
49°	4193.4	4263.2	4262.9
50°	4248.5	4326.6	4302.8
51°	4307.0	4389.9	4344.7
52°	4367.1	4456.5	4387.2
53°	4429.8	4522.2	4434.5
54°	4496.0	4588.5	4486.5
55°	4561.3	4652.6	4537.4
56°	4628.8	4715.3	4589.4
57°	4694.2	4775.7	4639.3
58°	4761.0	4830.2	4687.8
59°	4830.2	4878.7	4735.4
60°	4899.7	4924.9	4782.1
61°	4969.8	4972.5	4821.5
62°	5037.9	5016.0	4855.8
63°	5103.9	5048.9	4888.7
64°	5167.9	5073.2	4931.8
65°	5232.5	5106.6	4976.6
66°	5296.6	5148.7	5003.6
67°	5349.6	5177.5	5007.3
68°	5384.4	5179.8	5002.2
69°	5421.5	5153.3	4943.7
70°	5446.2	5090.6	4750.5
71°	5433.9	4939.1	4372.1
72°	5365.2	4641.1	3883.6
73°	5265.9	4218.5	3406.1
74°	5113.5	3739.5	2938.0
75°	4834.3	3213.9	2242.8
76°	4445.6	2551.4	1337.7
77°	3983.3	1693.5	580.0
78°	3393.0	837.6	442.9
79°	2565.2	376.9	314.7
80°	1496.4	279.4	186.6
81°	707.3	194.0	169.8
82°	517.8	170.8	155.2
83°	346.2	152.7	140.7
84°	174.7	134.5	125.9
85°	140.5	116.4	110.4
86°	117.4	99.7	93.5
87°	96.9	84.1	76.8
88°	77.1	69.1	62.4
89°	53.9	53.7	51.3



REPORT NUMBER: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-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: P1436800

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)