

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: P1436821

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436821
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-120W-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

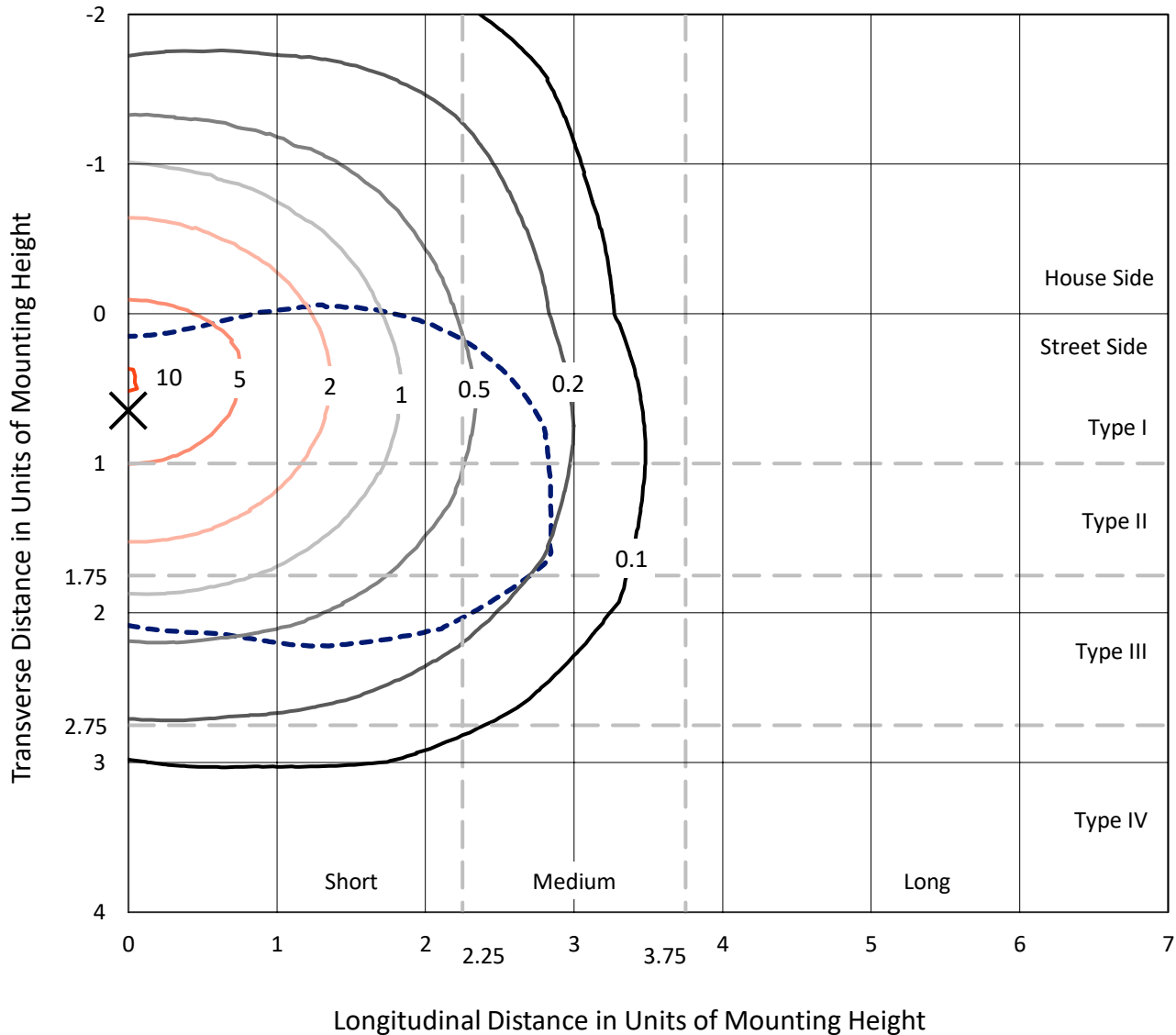
Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 21522.4 lumens
Efficiency: 56.1%
Efficacy: 174.4 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

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

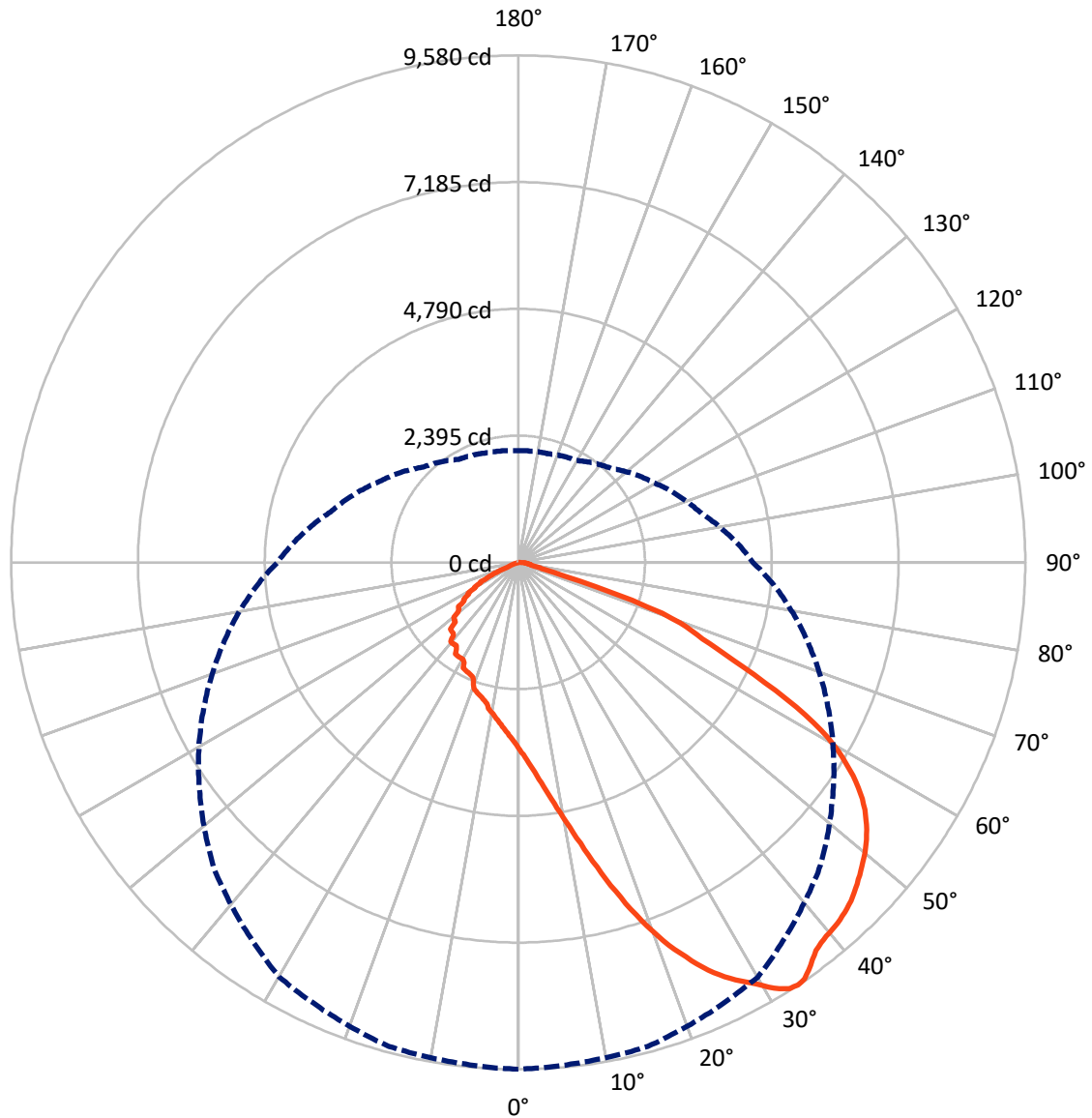
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

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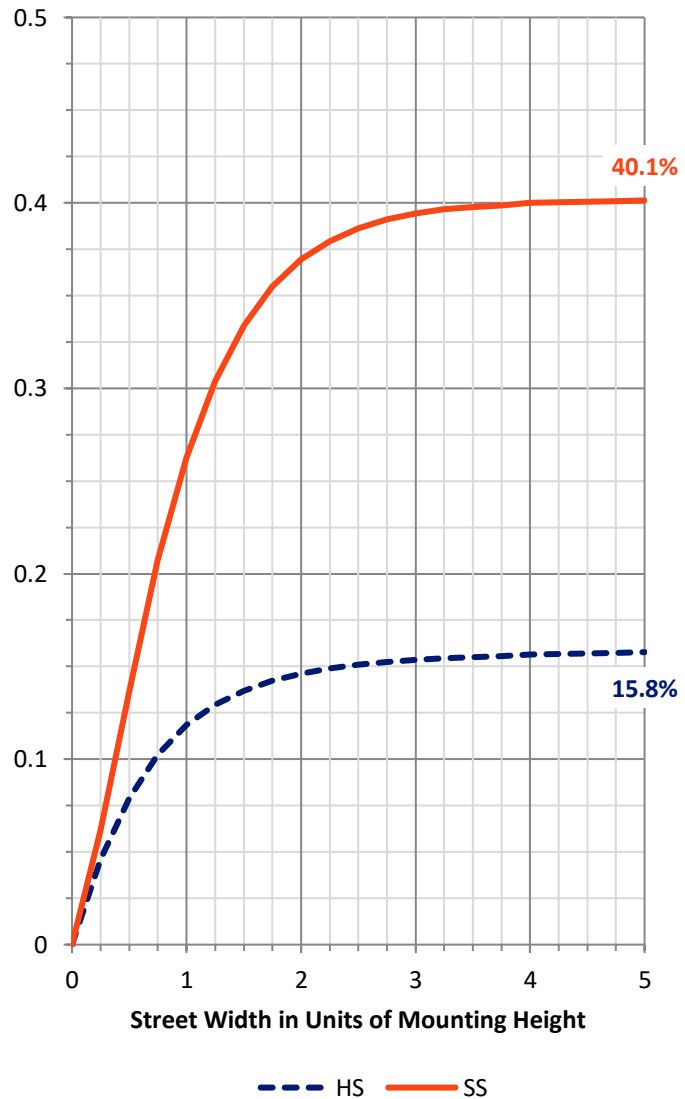
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6093.9	0.0	6093.9
	% Lamp	15.9	0.0	15.9
Street Side	Lumens	15428.6	0.0	15428.6
	% Lamp	40.2	0.0	40.2
Total	Lumens	21522.4	0.0	21522.4
	% Lamp	56.1	0.0	56.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	351.1	1.6	0.9
10°-20°	1182.2	5.5	3.1
20°-30°	2242.8	10.4	5.8
30°-40°	3304.3	15.4	8.6
40°-50°	4027.3	18.7	10.5
50°-60°	4405.4	20.5	11.5
60°-70°	3897.8	18.1	10.2
70°-80°	1930.9	9.0	5.0
80°-90°	180.7	0.8	0.5
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	56.1
0°-180°	21522.4	100.0	56.1

Coefficient of Utilization



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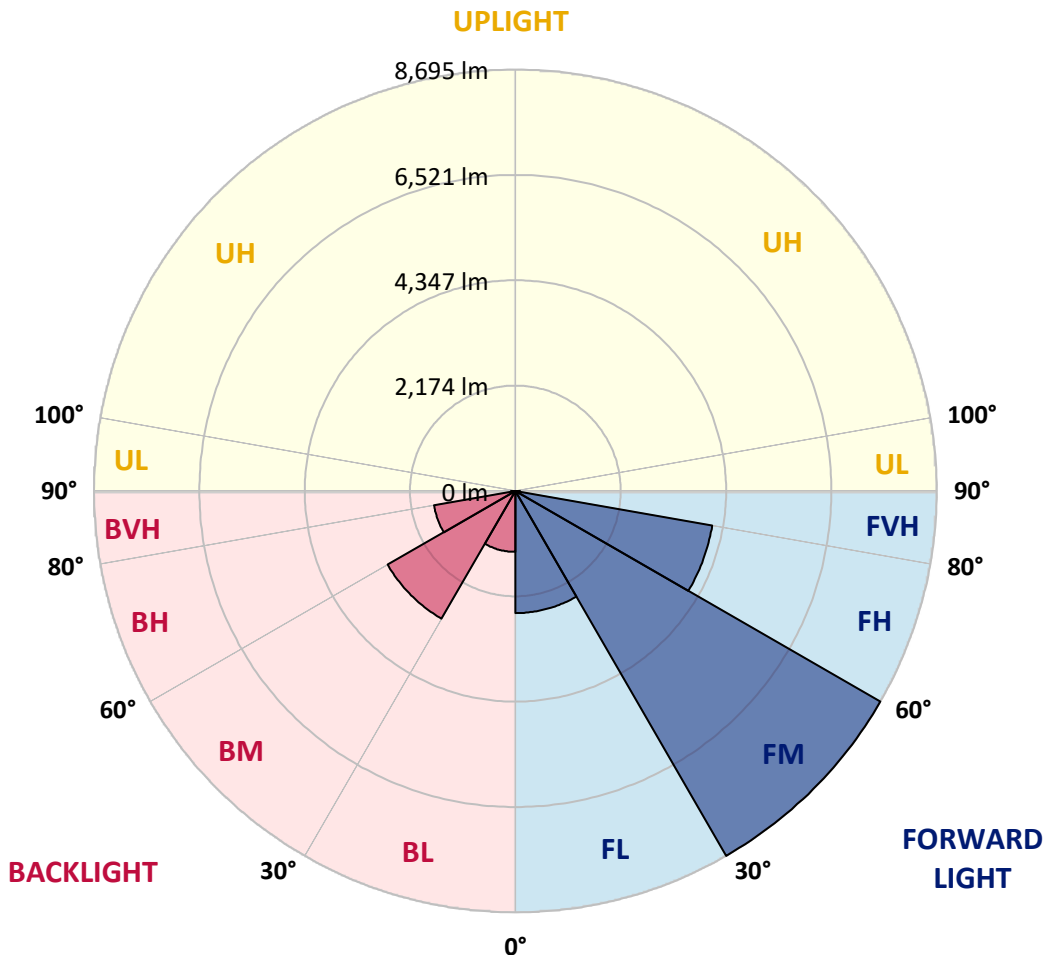
CATALOG NUMBER: XAS300-SFPM (5000K-120W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2518.9	6.6			
FM (30°-60°)	8694.6	22.7			
FH (60°-80°)	4123.4	10.7			G2/5000
FVH (80°-90°)	91.7	0.2			G1/100
BL (0°-30°)	1257.2	3.3	B3/2500		
BM (30°-60°)	3042.4	7.9	B3/5000		
BH (60°-80°)	1705.3	4.4	B3/2500		G3/2500
BVH (80°-90°)	89.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	16853.6	43.9			

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7
1°	3634.1	3633.1	3624.6	3611.7	3593.9	3571.7	3537.6	3514.7	3493.2	3476.4	3463.9
2°	3737.8	3731.9	3711.5	3681.1	3641.7	3596.7	3537.9	3492.3	3451.3	3418.0	3393.4
3°	3850.0	3839.7	3806.4	3757.9	3694.1	3624.1	3541.3	3473.9	3414.4	3365.7	3329.8
4°	3976.3	3959.2	3912.4	3842.4	3753.5	3658.4	3549.4	3460.0	3380.4	3316.2	3271.4
5°	4114.4	4093.2	4028.2	3933.5	3820.3	3696.9	3562.0	3450.4	3350.8	3273.6	3217.2
6°	4265.8	4237.4	4156.4	4036.3	3891.5	3738.2	3575.1	3442.5	3325.0	3233.3	3164.4
7°	4428.3	4394.9	4294.6	4144.8	3967.8	3781.6	3590.8	3435.8	3301.2	3193.4	3115.9
8°	4603.4	4562.1	4442.6	4264.4	4049.6	3828.4	3608.5	3431.1	3279.0	3157.0	3072.1
9°	4791.9	4741.4	4602.5	4390.3	4137.7	3879.3	3629.2	3426.8	3256.8	3124.6	3030.4
10°	4992.4	4934.1	4769.7	4525.7	4230.0	3933.2	3650.4	3424.7	3234.4	3094.7	2991.0
11°	5208.3	5141.7	4953.5	4668.8	4328.6	3992.4	3674.4	3424.7	3214.9	3066.2	2954.5
12°	5439.6	5360.6	5146.5	4818.7	4431.9	4053.8	3691.6	3417.9	3198.4	3037.3	2921.8
13°	5687.9	5595.2	5346.3	4978.5	4544.1	4106.1	3708.2	3409.1	3174.5	3010.5	2890.7
14°	5944.2	5843.8	5558.1	5146.0	4660.4	4161.9	3731.7	3404.3	3152.3	2986.8	2845.3
15°	6211.7	6095.6	5778.2	5319.5	4768.9	4222.8	3757.2	3402.8	3131.1	2956.2	2784.2
16°	6484.8	6355.3	6002.5	5497.5	4884.5	4287.7	3791.2	3410.0	3114.0	2928.1	2755.7
17°	6759.1	6613.8	6231.9	5678.4	5001.9	4359.3	3820.9	3411.7	3102.7	2887.2	2733.9
18°	7024.9	6871.2	6456.8	5859.5	5118.2	4435.0	3854.6	3417.7	3088.1	2841.0	2714.1
19°	7286.8	7122.5	6680.6	6032.2	5243.4	4506.8	3894.0	3433.0	3079.8	2816.6	2697.4
20°	7538.1	7363.1	6897.0	6197.1	5365.4	4584.4	3937.5	3449.4	3077.3	2797.2	2679.6
21°	7775.8	7595.8	7103.4	6367.0	5494.6	4665.1	3981.8	3462.4	3077.1	2781.1	2658.9
22°	7994.0	7814.5	7301.4	6523.0	5613.9	4752.7	4018.5	3461.4	3068.9	2771.3	2635.9
23°	8206.0	8027.1	7496.6	6674.4	5739.5	4842.1	4039.7	3465.2	3052.0	2764.9	2616.0
24°	8402.3	8229.0	7683.9	6822.4	5862.3	4923.0	4067.8	3480.9	3032.7	2751.7	2516.8
25°	8590.7	8418.0	7865.0	6973.3	5981.2	4997.2	4108.3	3488.4	3020.0	2740.1	2441.5
26°	8750.6	8589.0	8042.2	7114.6	6104.0	5061.3	4150.4	3493.4	3006.5	2729.8	2425.0
27°	8890.8	8739.3	8210.5	7253.2	6226.3	5134.0	4177.3	3508.5	3008.4	2716.5	2413.5
28°	9019.2	8873.9	8366.4	7386.6	6347.4	5218.8	4216.5	3525.1	3011.2	2695.1	2401.3
29°	9155.5	9007.4	8504.4	7515.1	6457.9	5312.2	4263.6	3540.0	3008.9	2605.3	2384.7
30°	9316.4	9162.2	8646.2	7647.4	6562.8	5393.5	4315.7	3541.6	2995.4	2546.1	2368.0
31°	9448.2	9301.3	8794.9	7791.0	6650.3	5472.7	4365.1	3546.5	2993.7	2523.8	2357.1
32°	9546.4	9410.6	8932.8	7940.2	6748.4	5552.3	4403.7	3562.4	2995.7	2509.2	2344.0
33°	9580.0	9467.9	9049.5	8082.1	6866.2	5641.3	4438.9	3579.7	2986.4	2503.0	2219.5
34°	9548.0	9453.8	9113.4	8209.9	6985.6	5739.5	4484.3	3588.8	2983.4	2500.8	2193.8
35°	9459.4	9381.5	9104.4	8301.3	7098.4	5838.8	4538.5	3603.4	2985.9	2498.5	2183.3
36°	9345.6	9281.7	9042.7	8355.7	7199.9	5933.0	4592.5	3629.2	2983.0	2489.3	2177.8
37°	9244.1	9171.7	8958.1	8356.9	7261.6	6005.3	4631.0	3643.3	2980.0	2479.6	2180.9
38°	9188.0	9098.8	8873.9	8323.8	7295.8	6068.1	4669.1	3655.3	2968.5	2457.4	2182.7
39°	9155.5	9060.7	8815.6	8283.9	7300.3	6119.2	4724.9	3668.4	2890.3	2372.6	2178.1
40°	9131.4	9034.9	8783.1	8254.2	7284.0	6149.4	4775.0	3679.0	2848.9	2377.6	2153.2
41°	9103.3	9014.1	8762.3	8236.8	7280.1	6166.8	4810.3	3697.0	2861.9	2393.5	2067.6
42°	9067.4	8991.7	8743.3	8222.8	7291.3	6182.5	4831.7	3702.2	2879.5	2398.8	2071.0
43°	9022.0	8964.2	8723.1	8217.2	7306.4	6202.2	4843.5	3715.0	2882.7	2397.8	2067.1
44°	8966.5	8930.6	8699.5	8218.3	7326.1	6219.0	4849.0	3720.3	2873.5	2407.1	2047.0



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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°	8899.7	8888.0	8669.2	8217.2	7349.1	6243.7	4860.5	3741.7	2884.3	2415.1	2033.0
46°	8826.3	8835.2	8633.9	8207.7	7367.0	6276.8	4876.2	3740.7	2899.1	2391.6	1965.9
47°	8748.9	8780.3	8593.0	8194.2	7381.6	6312.6	4882.2	3700.2	2897.3	2292.6	1887.8
48°	8668.7	8720.3	8547.0	8183.0	7396.7	6344.1	4907.6	3699.0	2906.8	2281.0	1887.2
49°	8589.0	8655.8	8493.1	8165.1	7414.1	6368.2	4936.4	3715.5	2862.2	2286.8	1880.6
50°	8504.4	8588.5	8434.8	8134.8	7422.0	6388.9	4962.7	3733.2	2805.2	2284.4	1871.9
51°	8408.5	8510.5	8369.2	8098.9	7432.1	6407.4	4985.0	3734.8	2807.2	2272.2	1768.8
52°	8299.7	8420.8	8296.3	8058.5	7444.4	6417.0	4992.9	3744.1	2794.5	2220.4	1746.0
53°	8179.1	8318.7	8217.8	8015.9	7448.3	6419.8	4961.6	3760.8	2812.1	2154.1	1753.1
54°	8041.1	8194.8	8132.0	7966.5	7439.9	6424.8	4926.8	3743.3	2820.7	2158.0	1757.7
55°	7884.1	8050.6	8040.6	7907.1	7419.2	6419.8	4914.8	3739.8	2820.6	2155.3	1693.8
56°	7701.8	7883.0	7935.1	7839.2	7391.1	6404.6	4907.9	3731.4	2807.8	2140.7	1645.5
57°	7496.6	7692.3	7812.9	7765.2	7358.6	6390.0	4897.5	3723.8	2769.5	2041.2	1646.5
58°	7265.5	7476.9	7669.8	7685.0	7317.1	6381.6	4865.6	3688.8	2750.3	2059.4	1608.7
59°	7013.1	7239.7	7515.6	7593.0	7271.7	6367.0	4838.7	3653.0	2751.4	2085.7	1530.3
60°	6722.6	6978.3	7336.7	7488.1	7214.5	6344.1	4806.2	3640.1	2749.8	2107.1	1534.0
61°	6358.1	6672.7	7139.3	7363.1	7141.5	6305.4	4767.6	3607.0	2738.2	2036.8	1457.9
62°	5925.1	6312.6	6913.3	7217.8	7059.1	6252.6	4704.3	3574.4	2705.9	2029.5	1442.4
63°	5433.6	5902.1	6659.2	7050.1	6962.6	6170.2	4633.1	3530.7	2709.6	2037.4	1410.9
64°	4932.2	5464.1	6369.3	6866.2	6849.4	6060.3	4545.9	3474.0	2692.4	1997.8	1351.9
65°	4475.8	5031.0	6052.4	6662.6	6723.2	5929.6	4461.9	3438.2	2631.1	2002.2	1303.2
66°	4080.3	4609.0	5713.7	6427.6	6576.2	5812.4	4352.9	3378.5	2624.7	1967.8	1281.3
67°	3769.3	4225.4	5369.5	6171.3	6409.1	5680.0	4227.1	3305.5	2647.5	1963.2	1210.1
68°	3519.3	3891.7	5024.3	5881.9	6215.6	5520.3	4041.6	3214.7	2670.2	1967.0	1158.3
69°	3270.6	3604.7	4674.0	5569.2	5984.6	5328.6	3857.7	3104.2	2645.7	1959.4	1106.5
70°	2883.2	3308.9	4328.3	5244.7	5722.7	5083.4	3574.4	2945.3	2585.2	1967.6	1055.2
71°	2268.3	2924.3	3991.2	4914.4	5437.9	4766.6	3200.2	2727.5	2538.1	1963.4	1037.1
72°	1541.9	2391.9	3651.5	4585.4	5130.5	4413.9	2833.6	2497.6	2486.5	2007.1	1030.0
73°	901.2	1746.4	3283.2	4251.0	4796.3	3986.6	2490.5	2294.7	2383.6	1988.6	998.4
74°	508.9	1117.4	2879.7	3910.2	4418.8	3522.4	2174.1	2126.3	2276.9	1983.2	1002.6
75°	424.5	656.8	2429.7	3536.8	4002.9	3019.8	1796.9	1950.7	2180.7	1966.5	982.1
76°	350.8	532.7	1928.7	3107.2	3525.3	2485.2	1263.7	1699.0	2099.8	1919.0	932.9
77°	277.2	410.8	1454.4	2572.0	2988.1	1843.5	731.9	1271.1	2024.9	1820.6	858.6
78°	247.6	288.9	1090.0	1914.2	2383.8	1174.8	338.4	843.3	1963.1	1660.9	760.4
79°	227.7	254.8	797.2	1219.4	1777.1	615.3	168.9	417.3	1779.9	1388.8	659.0
80°	209.9	228.7	574.4	660.3	1190.9	464.2	145.3	310.7	1319.9	1116.7	579.2
81°	193.0	205.7	459.6	514.2	673.6	314.2	121.8	204.2	859.9	846.3	591.7
82°	176.9	185.8	346.2	382.0	499.6	164.2	98.4	99.2	403.2	693.2	555.8
83°	160.7	168.6	232.8	249.8	330.2	136.0	84.1	78.7	302.9	591.4	445.0
84°	143.7	150.6	196.7	219.3	160.8	116.0	70.1	61.8	202.6	468.0	306.2
85°	126.9	132.5	156.8	191.2	126.5	95.8	56.6	47.9	102.7	333.2	202.3
86°	109.4	114.8	123.1	163.0	101.2	75.2	43.5	36.3	86.2	267.0	143.7
87°	91.3	98.0	101.5	131.2	79.5	56.6	31.0	26.7	67.5	200.9	85.2
88°	74.8	81.2	81.4	93.9	60.7	42.5	21.9	19.0	44.1	134.7	51.9
89°	61.7	64.3	61.6	55.3	46.6	28.6	12.8	11.4	30.4	68.6	35.4



REPORT NUMBER: P1436821

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: P1436821

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: P1436821

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: P1436821

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7	3542.7
1°	3457.2	3456.0	3461.9	3473.7	3489.2	3509.9	3531.8	3545.0	3566.3	3587.1	3605.7
2°	3380.0	3376.7	3385.9	3406.2	3435.1	3472.9	3515.3	3552.7	3596.5	3640.7	3679.6
3°	3309.1	3303.9	3315.2	3342.5	3384.1	3438.5	3501.7	3562.0	3629.8	3697.6	3759.9
4°	3244.3	3237.0	3251.3	3284.1	3337.1	3407.1	3489.7	3575.1	3667.5	3760.3	3846.3
5°	3183.0	3173.9	3190.4	3230.3	3293.6	3378.4	3480.1	3589.1	3705.9	3828.4	3941.6
6°	3124.5	3113.9	3131.7	3176.8	3251.8	3351.2	3472.7	3605.5	3747.7	3899.3	4043.6
7°	3069.7	3058.0	3077.3	3128.0	3209.8	3325.9	3466.3	3623.5	3793.0	3976.6	4151.7
8°	3019.6	3004.8	3026.5	3084.2	3172.8	3301.0	3460.9	3642.1	3841.0	4058.2	4267.3
9°	2970.4	2952.6	2976.9	3041.0	3139.8	3276.1	3455.6	3662.6	3891.2	4144.7	4392.1
10°	2923.9	2904.7	2930.6	2999.0	3108.1	3252.4	3453.1	3685.1	3944.8	4235.7	4524.3
11°	2882.9	2861.7	2887.1	2960.7	3077.2	3232.5	3452.4	3712.2	4002.4	4333.2	4665.8
12°	2846.2	2815.5	2847.3	2925.2	3048.1	3216.7	3444.0	3729.6	4063.7	4435.7	4814.6
13°	2777.8	2731.2	2779.4	2891.5	3019.3	3191.9	3439.4	3751.5	4115.8	4546.6	4973.6
14°	2723.7	2695.7	2724.2	2846.6	2994.2	3170.8	3434.7	3771.4	4172.1	4658.7	5138.7
15°	2695.3	2664.9	2693.8	2780.9	2963.5	3151.6	3434.9	3798.9	4230.6	4766.4	5314.9
16°	2668.4	2636.6	2666.1	2753.5	2937.0	3137.8	3437.7	3833.2	4295.8	4880.9	5494.7
17°	2644.9	2610.1	2642.6	2731.2	2902.9	3123.2	3443.4	3864.0	4371.8	4998.9	5681.7
18°	2619.4	2580.4	2616.6	2711.8	2858.0	3112.7	3453.0	3899.2	4439.5	5123.6	5861.2
19°	2593.8	2552.2	2591.8	2696.6	2828.9	3109.9	3469.4	3943.5	4516.3	5249.4	6036.7
20°	2568.1	2521.1	2568.3	2679.0	2811.0	3111.4	3486.7	3989.8	4593.6	5382.0	6212.3
21°	2539.0	2414.4	2542.2	2657.8	2799.4	3111.5	3498.5	4031.3	4680.8	5511.3	6378.8
22°	2408.1	2336.1	2419.0	2637.8	2792.4	3104.9	3502.1	4068.1	4770.5	5641.3	6538.1
23°	2357.3	2314.3	2367.9	2622.3	2786.1	3093.7	3513.6	4094.9	4857.6	5772.0	6696.8
24°	2338.6	2299.2	2351.5	2523.7	2774.2	3082.9	3534.6	4129.5	4938.5	5900.4	6853.3
25°	2326.7	2286.6	2340.1	2457.4	2762.8	3073.7	3543.4	4176.8	5010.2	6030.0	6998.5
26°	2315.5	2273.4	2330.3	2447.1	2756.0	3058.9	3555.8	4217.6	5084.5	6157.9	7146.6
27°	2303.4	2263.7	2319.8	2438.3	2740.8	3065.3	3575.9	4253.2	5167.1	6285.2	7289.6
28°	2294.5	2251.9	2311.7	2425.5	2722.5	3070.0	3595.9	4298.6	5262.1	6404.1	7434.3
29°	2284.0	2153.0	2302.2	2410.1	2635.8	3061.7	3608.7	4352.4	5357.8	6520.2	7574.5
30°	2170.7	2112.4	2187.2	2397.0	2578.6	3050.3	3612.0	4407.6	5439.4	6627.8	7717.0
31°	2138.0	2108.0	2155.6	2385.6	2555.9	3050.2	3626.4	4458.2	5534.2	6735.0	7868.9
32°	2132.2	2108.2	2150.0	2372.0	2545.8	3052.7	3648.3	4499.5	5636.9	6850.5	8008.0
33°	2128.6	2107.3	2147.0	2247.5	2542.8	3042.3	3672.0	4552.1	5748.5	6966.6	8143.7
34°	2124.3	2102.9	2142.2	2222.3	2541.2	3041.3	3682.1	4614.2	5848.3	7083.8	8257.6
35°	2116.9	2098.7	2134.8	2211.6	2538.9	3041.5	3704.3	4675.5	5936.3	7193.7	8333.3
36°	2108.7	2019.0	2125.5	2207.6	2528.2	3038.0	3730.6	4734.4	6013.2	7267.7	8360.2
37°	2025.5	1962.0	2031.5	2211.1	2519.6	3033.0	3747.6	4774.6	6076.5	7308.1	8350.7
38°	1958.3	1963.3	1975.2	2211.4	2493.4	3022.7	3762.1	4817.6	6125.3	7318.2	8312.0
39°	1953.7	1968.9	1970.1	2210.9	2411.5	2947.8	3765.9	4863.5	6159.0	7309.2	8267.7
40°	1952.6	1971.4	1966.4	2180.2	2425.1	2909.4	3770.4	4893.6	6179.2	7304.2	8236.8
41°	1942.4	1962.3	1954.4	2103.0	2442.1	2921.2	3774.5	4915.1	6189.3	7309.2	8218.9
42°	1921.1	1853.9	1933.1	2106.1	2440.9	2936.3	3779.8	4934.5	6207.2	7319.9	8215.5
43°	1814.3	1816.9	1828.5	2097.7	2443.5	2926.9	3791.6	4950.6	6226.3	7335.0	8222.8
44°	1772.0	1814.1	1790.8	2077.8	2451.2	2921.2	3803.3	4962.0	6252.6	7352.4	8226.2



REPORT NUMBER: P1436821

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1768.5	1808.0	1787.9	2064.5	2459.1	2932.4	3823.7	4980.9	6283.5	7369.2	8223.9
46°	1762.3	1796.7	1779.9	1982.3	2423.2	2951.4	3809.1	4993.5	6315.5	7391.1	8221.7
47°	1746.1	1641.2	1766.7	1926.6	2333.6	2954.3	3772.4	5005.0	6342.4	7415.8	8214.4
48°	1611.1	1626.4	1633.3	1926.4	2326.6	2964.8	3778.8	5031.3	6365.4	7435.4	8200.4
49°	1603.3	1614.5	1630.5	1916.1	2332.9	2907.5	3797.0	5054.8	6389.5	7450.6	8175.1
50°	1602.0	1602.8	1630.9	1911.0	2327.1	2870.5	3811.6	5074.6	6410.8	7465.7	8142.6
51°	1600.3	1475.5	1631.2	1802.4	2317.3	2873.7	3813.7	5090.2	6422.0	7473.6	8109.0
52°	1502.9	1430.2	1527.4	1787.8	2239.4	2867.6	3822.5	5088.8	6425.9	7474.7	8073.1
53°	1472.6	1421.0	1501.4	1796.5	2203.9	2886.9	3833.5	5046.6	6430.4	7466.8	8029.3
54°	1463.8	1402.5	1492.2	1804.5	2209.4	2889.0	3819.0	5008.1	6423.7	7447.2	7978.9
55°	1444.7	1253.4	1465.7	1724.7	2209.0	2889.7	3815.6	4993.9	6406.3	7420.3	7925.6
56°	1323.4	1252.6	1352.0	1693.1	2193.8	2885.6	3802.5	4984.2	6386.1	7391.7	7862.2
57°	1325.8	1179.7	1356.2	1693.8	2106.3	2835.8	3793.2	4970.0	6371.5	7354.7	7784.8
58°	1243.0	1107.7	1265.7	1638.8	2130.1	2828.8	3741.2	4934.3	6353.0	7309.2	7691.7
59°	1194.5	1110.7	1226.5	1585.5	2159.2	2829.1	3720.2	4900.2	6328.4	7256.0	7584.6
60°	1153.1	949.8	1186.5	1595.0	2178.4	2825.0	3689.7	4856.1	6290.2	7189.8	7466.8
61°	1111.6	951.8	1146.6	1511.5	2110.8	2804.6	3651.5	4819.5	6241.4	7115.2	7339.0
62°	1067.3	806.9	1104.8	1504.7	2107.7	2771.0	3608.6	4758.3	6160.7	7024.3	7196.5
63°	928.4	801.2	964.5	1462.5	2102.5	2768.7	3558.2	4684.5	6056.4	6917.8	7033.3
64°	919.5	626.0	945.4	1417.5	2076.7	2741.7	3503.4	4592.2	5929.0	6796.1	6845.4
65°	779.9	554.6	810.6	1361.1	2084.9	2673.6	3448.5	4500.2	5809.6	6657.6	6630.6
66°	677.8	448.9	698.5	1351.9	2050.7	2683.7	3381.1	4366.2	5675.6	6501.1	6395.1
67°	616.7	298.9	610.3	1281.0	2045.2	2700.5	3294.5	4220.9	5519.6	6325.5	6133.7
68°	487.8	149.0	503.4	1223.2	2039.6	2710.2	3185.9	4004.3	5341.0	6122.0	5860.1
69°	324.4	0.3	338.8	1165.5	2032.2	2653.5	3058.8	3767.4	5118.3	5892.0	5564.5
70°	314.2	0.3	325.9	1109.0	2042.0	2579.1	2863.7	3421.9	4848.2	5629.6	5243.2
71°	313.6	0.3	314.5	1092.9	2032.3	2509.4	2612.9	3020.6	4497.4	5341.7	4897.5
72°	298.4	0.3	291.1	1079.3	2071.5	2437.8	2378.0	2651.9	4119.9	5030.3	4557.7
73°	268.2	0.3	248.8	1037.3	2038.3	2323.8	2199.4	2319.6	3662.2	4673.8	4209.8
74°	231.0	0.3	197.3	1021.4	1991.3	2219.1	2041.4	1968.5	3174.3	4263.7	3855.8
75°	185.3	0.3	163.0	979.6	1943.3	2139.0	1799.9	1494.8	2665.8	3800.1	3465.6
76°	139.3	0.3	150.7	916.5	1840.2	2063.3	1364.0	924.9	2103.4	3295.4	3034.2
77°	105.9	0.3	167.8	834.0	1689.1	1984.1	928.1	445.9	1451.8	2737.8	2485.1
78°	114.4	0.4	191.8	736.9	1495.8	1815.8	497.0	292.7	823.6	2136.2	1781.9
79°	158.1	0.4	154.6	657.0	1263.8	1371.5	207.8	147.9	605.4	1550.7	1080.5
80°	166.0	0.5	117.5	614.3	1031.7	927.2	155.4	125.3	391.8	1002.7	551.0
81°	133.1	0.5	80.3	574.7	802.7	483.1	103.9	109.1	178.2	547.7	442.0
82°	100.1	0.6	42.7	490.2	670.6	356.8	83.4	94.2	148.1	407.8	344.7
83°	67.3	0.7	22.5	316.6	519.3	230.5	67.7	80.1	127.5	278.4	247.3
84°	39.2	0.8	17.9	228.3	340.4	105.0	54.9	66.3	108.4	149.0	217.2
85°	23.7	0.9	13.3	140.0	243.2	87.0	43.4	52.9	89.1	117.3	189.0
86°	18.3	1.0	8.8	54.0	146.1	69.7	33.0	39.7	69.5	93.2	160.0
87°	12.8	1.2	7.4	31.6	49.8	51.6	24.1	26.5	52.2	72.8	127.2
88°	7.4	1.3	6.1	21.9	34.2	35.5	17.0	15.5	37.8	54.9	86.7
89°	4.7	1.5	4.2	12.2	18.6	19.3	10.0	6.8	23.5	42.8	48.9



REPORT NUMBER: P1436821

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: P1436821

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: P1436821

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: P1436821

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	3542.7	3542.7	3542.7
1°	3620.9	3629.6	3634.1
2°	3711.0	3730.7	3737.8
3°	3808.6	3840.1	3850.0
4°	3916.1	3961.9	3976.3
5°	4034.1	4094.8	4114.4
6°	4161.0	4240.7	4265.8
7°	4299.6	4396.1	4428.3
8°	4444.4	4563.2	4603.4
9°	4603.3	4742.7	4791.9
10°	4769.9	4935.4	4992.4
11°	4949.4	5142.0	5208.3
12°	5139.3	5359.5	5439.6
13°	5341.4	5594.1	5687.9
14°	5551.8	5839.9	5944.2
15°	5773.1	6093.4	6211.7
16°	6000.3	6354.7	6484.8
17°	6237.5	6620.5	6759.1
18°	6468.0	6883.6	7024.9
19°	6693.4	7134.3	7286.8
20°	6913.3	7376.0	7538.1
21°	7125.8	7606.5	7775.8
22°	7324.4	7820.1	7994.0
23°	7516.7	8031.6	8206.0
24°	7701.8	8236.8	8402.3
25°	7885.8	8429.2	8590.7
26°	8068.0	8608.1	8750.6
27°	8239.6	8760.7	8890.8
28°	8391.1	8893.0	9019.2
29°	8531.3	9027.6	9155.5
30°	8673.7	9179.0	9316.4
31°	8822.3	9318.1	9448.2
32°	8954.1	9418.5	9546.4
33°	9042.7	9465.6	9580.0
34°	9082.6	9453.8	9548.0
35°	9066.9	9381.5	9459.4
36°	9016.4	9277.2	9345.6
37°	8935.1	9169.5	9244.1
38°	8858.8	9100.0	9188.0
39°	8808.9	9060.7	9155.5
40°	8777.5	9038.8	9131.4
41°	8757.3	9020.3	9103.3
42°	8735.4	8999.0	9067.4
43°	8713.5	8974.9	9022.0
44°	8691.7	8942.9	8966.5



REPORT NUMBER: P1436821

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8665.3	8899.2	8899.7
46°	8635.6	8844.8	8826.3
47°	8602.5	8785.3	8748.9
48°	8562.1	8720.8	8668.7
49°	8510.0	8655.8	8589.0
50°	8447.1	8588.5	8504.4
51°	8378.7	8513.9	8408.5
52°	8301.9	8427.5	8299.7
53°	8222.3	8322.6	8179.1
54°	8139.3	8198.7	8041.1
55°	8051.2	8052.3	7884.1
56°	7948.0	7885.8	7701.8
57°	7826.9	7700.1	7496.6
58°	7680.5	7480.3	7265.5
59°	7519.0	7241.9	7013.1
60°	7337.8	6983.4	6722.6
61°	7131.5	6690.1	6358.1
62°	6903.2	6335.1	5925.1
63°	6650.8	5925.1	5433.6
64°	6377.7	5478.4	4932.2
65°	6069.3	5036.4	4475.8
66°	5736.1	4624.7	4080.3
67°	5392.0	4255.3	3769.3
68°	5037.1	3919.8	3519.3
69°	4700.8	3620.5	3270.6
70°	4380.0	3324.8	2883.2
71°	4047.4	2959.8	2268.3
72°	3684.5	2450.6	1541.9
73°	3320.7	1808.5	901.2
74°	2937.7	1198.7	508.9
75°	2452.8	729.4	424.5
76°	1931.5	585.6	350.8
77°	1477.2	442.9	277.2
78°	1116.1	300.2	247.6
79°	824.4	259.8	227.7
80°	556.5	232.1	209.9
81°	448.1	208.3	193.0
82°	341.0	188.4	176.9
83°	233.8	172.5	160.7
84°	195.8	153.8	143.7
85°	155.0	133.8	126.9
86°	123.8	115.5	109.4
87°	101.2	98.0	91.3
88°	80.2	81.0	74.8
89°	59.6	64.0	61.7



REPORT NUMBER: P1436821

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: P1436821

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: P1436821

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)