

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: P1445045

Luminaire Tested: XAS300-SFPM (3000K-180W-T3-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445045
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-180W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 23700.6 lumens
Efficiency: 61.8%
Efficacy: 126.8 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

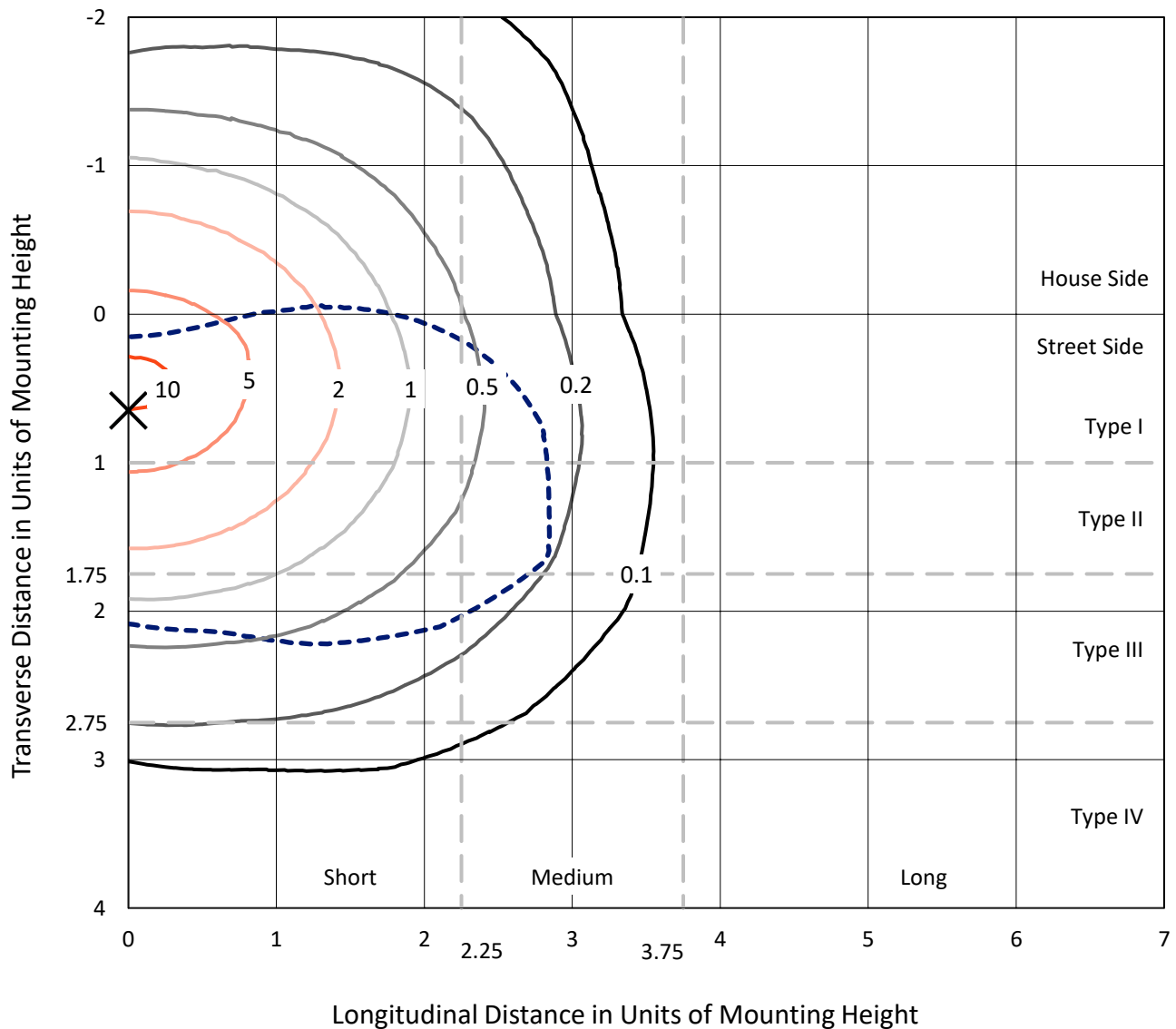
Input Watts (W): 186.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

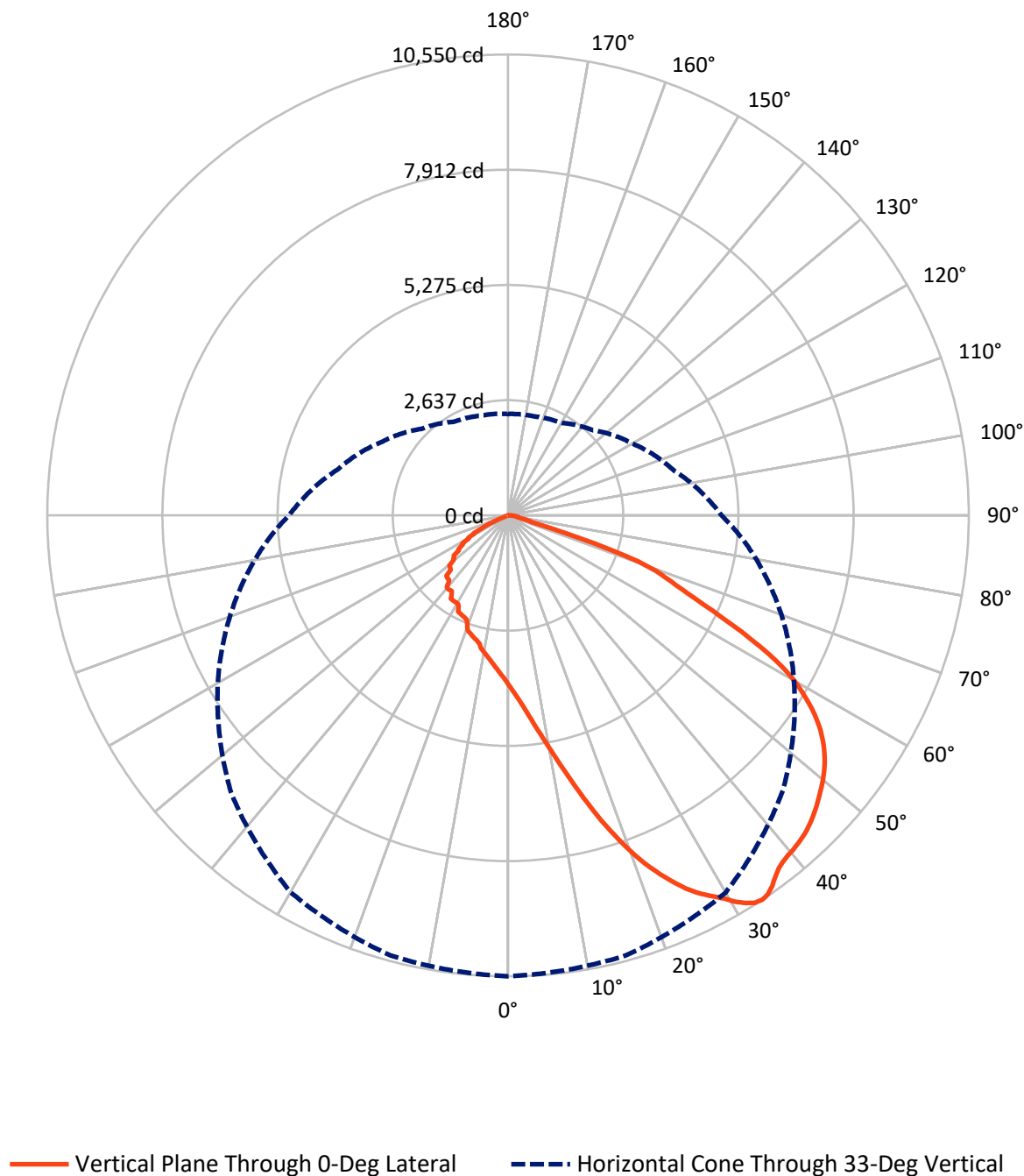


Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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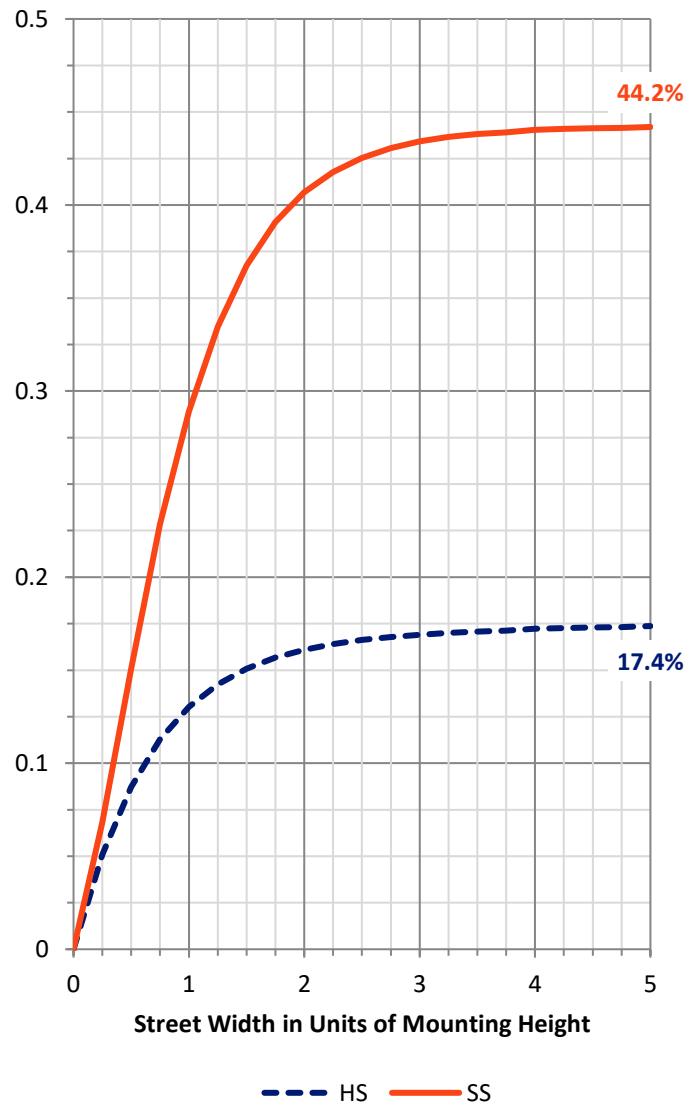
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6710.6	0.0	6710.6
	% Lamp	17.5	0.0	17.5
Street Side	Lumens	16990.0	0.0	16990.0
	% Lamp	44.3	0.0	44.3
Total	Lumens	23700.6	0.0	23700.6
	% Lamp	61.8	0.0	61.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	386.6	1.6	1.0
10°-20°	1301.9	5.5	3.4
20°-30°	2469.8	10.4	6.4
30°-40°	3638.7	15.4	9.5
40°-50°	4434.9	18.7	11.6
50°-60°	4851.2	20.5	12.6
60°-70°	4292.3	18.1	11.2
70°-80°	2126.3	9.0	5.5
80°-90°	198.9	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°	23700.6	100.0	61.8
0°-180°	23700.6	100.0	61.8

Coefficient of Utilization



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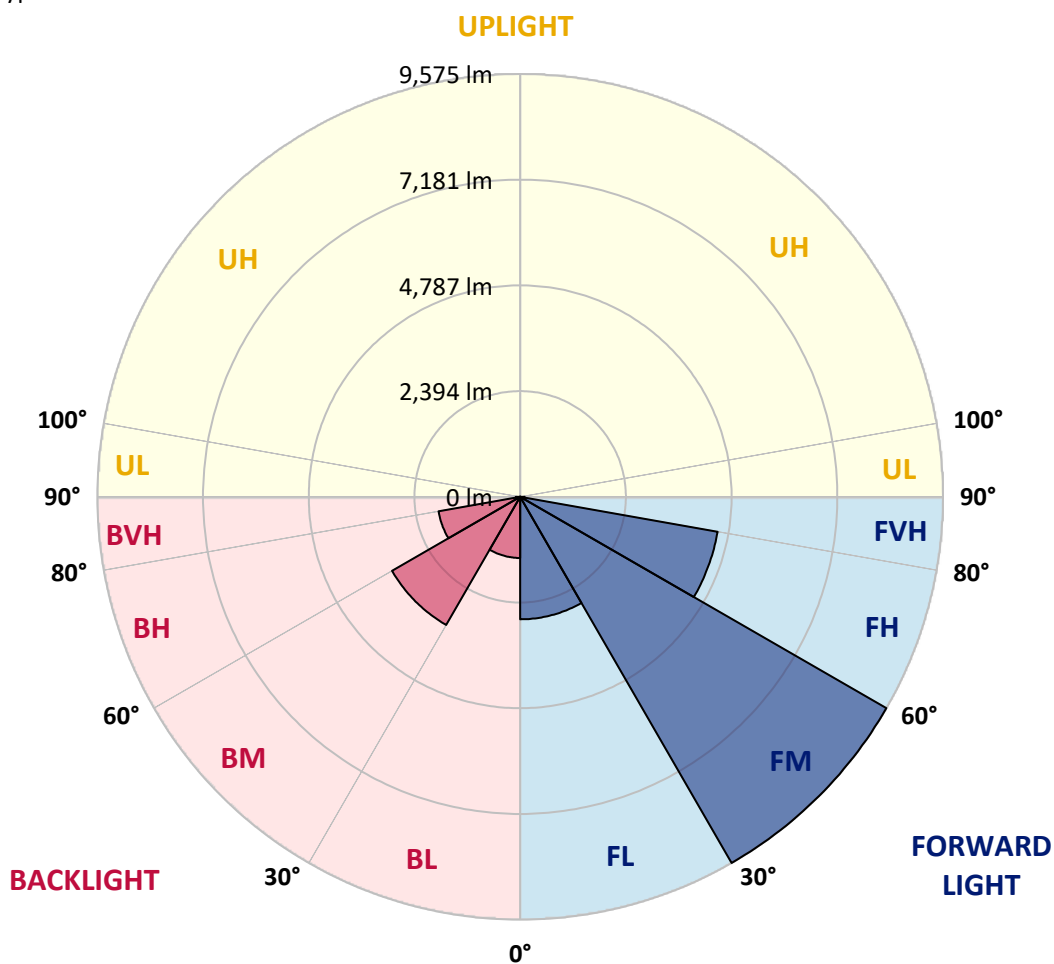
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2773.8	7.2			
FM	(30°-60°)	9574.5	24.9			
FH	(60°-80°)	4540.7	11.8			G2/5000
FVH	(80°-90°)	101.0	0.3			G2/225
BL	(0°-30°)	1384.5	3.6	B3/2500		
BM	(30°-60°)	3350.3	8.7	B3/5000		
BH	(60°-80°)	1877.9	4.9	B3/2500		G3/2500
BVH	(80°-90°)	98.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		14675.4	38.2			

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°	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2
1°	4001.9	4000.8	3991.4	3977.2	3957.6	3933.2	3895.6	3870.4	3846.7	3828.2	3814.4
2°	4116.1	4109.6	4087.1	4053.7	4010.2	3960.7	3895.9	3845.7	3800.6	3763.9	3736.9
3°	4239.6	4228.3	4191.7	4138.2	4068.0	3990.8	3899.7	3825.4	3759.9	3706.3	3666.8
4°	4378.7	4359.9	4308.3	4231.2	4133.4	4028.6	3908.6	3810.1	3722.5	3651.8	3602.5
5°	4530.8	4507.5	4435.9	4331.6	4206.9	4071.0	3922.5	3799.6	3689.9	3605.0	3542.8
6°	4697.5	4666.3	4577.1	4444.7	4285.3	4116.5	3937.0	3790.9	3661.5	3560.5	3484.6
7°	4876.5	4839.6	4729.2	4564.3	4369.4	4164.4	3954.2	3783.5	3635.3	3516.6	3431.3
8°	5069.3	5023.8	4892.2	4696.0	4459.4	4215.9	3973.7	3778.3	3610.9	3476.5	3383.0
9°	5276.9	5221.3	5068.3	4834.6	4556.4	4271.9	3996.5	3773.6	3586.4	3440.8	3337.0
10°	5497.7	5433.4	5252.4	4983.8	4658.1	4331.3	4019.8	3771.3	3561.8	3407.9	3293.8
11°	5735.4	5662.1	5454.8	5141.3	4766.6	4396.4	4046.2	3771.3	3540.2	3376.5	3253.5
12°	5990.1	5903.2	5667.3	5306.3	4880.4	4464.1	4065.2	3763.8	3522.1	3344.7	3217.5
13°	6263.5	6161.5	5887.4	5482.3	5004.0	4521.6	4083.5	3754.1	3495.8	3315.2	3183.3
14°	6545.8	6435.2	6120.6	5666.8	5132.0	4583.1	4109.3	3748.8	3471.3	3289.1	3133.3
15°	6840.3	6712.5	6363.0	5857.9	5251.6	4650.2	4137.4	3747.2	3448.0	3255.4	3065.9
16°	7141.1	6998.4	6610.0	6053.9	5378.8	4721.7	4174.9	3755.1	3429.2	3224.4	3034.6
17°	7443.1	7283.2	6862.6	6253.0	5508.1	4800.5	4207.6	3756.9	3416.7	3179.4	3010.5
18°	7735.8	7566.6	7110.2	6452.5	5636.2	4883.8	4244.7	3763.6	3400.6	3128.5	2988.7
19°	8024.3	7843.3	7356.6	6642.7	5774.0	4962.9	4288.1	3780.5	3391.5	3101.6	2970.4
20°	8300.9	8108.2	7595.0	6824.3	5908.4	5048.4	4336.0	3798.4	3388.7	3080.3	2950.7
21°	8562.8	8364.5	7822.3	7011.4	6050.6	5137.2	4384.8	3812.8	3388.5	3062.5	2928.0
22°	8803.0	8605.4	8040.3	7183.1	6182.0	5233.7	4425.2	3811.7	3379.5	3051.8	2902.7
23°	9036.5	8839.5	8255.2	7349.9	6320.3	5332.1	4448.6	3815.9	3360.9	3044.7	2880.8
24°	9252.6	9061.8	8461.5	7512.9	6455.6	5421.3	4479.5	3833.2	3339.6	3030.2	2771.5
25°	9460.1	9269.9	8661.0	7679.0	6586.5	5502.9	4524.1	3841.4	3325.6	3017.4	2688.6
26°	9636.1	9458.3	8856.1	7834.7	6721.8	5573.6	4570.4	3846.9	3310.8	3006.1	2670.4
27°	9790.5	9623.8	9041.4	7987.2	6856.4	5653.6	4600.0	3863.6	3312.8	2991.4	2657.7
28°	9932.0	9772.0	9213.1	8134.2	6989.8	5746.9	4643.2	3881.8	3316.0	2967.9	2644.4
29°	10082.0	9919.0	9365.0	8275.6	7111.5	5849.9	4695.1	3898.3	3313.4	2868.9	2626.0
30°	10259.3	10089.4	9521.3	8421.4	7227.0	5939.4	4752.5	3900.0	3298.6	2803.8	2607.6
31°	10404.4	10242.6	9684.9	8579.5	7323.3	6026.6	4806.9	3905.5	3296.7	2779.2	2595.7
32°	10512.5	10363.0	9836.9	8743.7	7431.4	6114.3	4849.4	3922.9	3298.9	2763.2	2581.2
33°	10549.5	10426.0	9965.3	8900.0	7561.1	6212.3	4888.1	3942.0	3288.6	2756.3	2444.1
34°	10514.3	10410.6	10035.7	9040.8	7692.6	6320.3	4938.1	3952.0	3285.4	2753.9	2415.9
35°	10416.8	10330.9	10025.8	9141.5	7816.7	6429.7	4997.8	3968.1	3288.1	2751.4	2404.3
36°	10291.4	10221.0	9957.9	9201.4	7928.5	6533.4	5057.3	3996.5	3284.9	2741.3	2398.2
37°	10179.6	10099.9	9864.6	9202.6	7996.5	6613.1	5099.6	4012.1	3281.6	2730.5	2401.7
38°	10117.9	10019.7	9772.0	9166.2	8034.1	6682.2	5141.6	4025.3	3268.9	2706.1	2403.6
39°	10082.0	9977.7	9707.8	9122.3	8039.1	6738.4	5203.1	4039.7	3182.8	2612.7	2398.5
40°	10055.5	9949.3	9672.0	9089.6	8021.2	6771.8	5258.3	4051.3	3137.2	2618.2	2371.1
41°	10024.6	9926.4	9649.1	9070.4	8016.8	6790.9	5297.1	4071.1	3151.6	2635.8	2276.8
42°	9985.1	9901.7	9628.1	9055.0	8029.2	6808.2	5320.7	4076.9	3170.9	2641.6	2280.5
43°	9935.1	9871.4	9605.9	9048.8	8045.9	6829.8	5333.7	4091.0	3174.4	2640.5	2276.3
44°	9873.9	9834.4	9579.9	9050.1	8067.5	6848.4	5339.7	4096.8	3164.3	2650.7	2254.2

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	9800.4	9787.4	9546.6	9048.8	8092.8	6875.5	5352.4	4120.3	3176.2	2659.5	2238.8
46°	9719.5	9729.4	9507.7	9038.3	8112.6	6912.0	5369.6	4119.3	3192.5	2633.7	2164.9
47°	9634.3	9668.9	9462.6	9023.5	8128.6	6951.5	5376.2	4074.7	3190.5	2524.6	2078.8
48°	9546.0	9602.8	9412.0	9011.1	8145.3	6986.1	5404.3	4073.3	3201.0	2511.9	2078.2
49°	9458.3	9531.8	9352.7	8991.4	8164.4	7012.6	5436.0	4091.5	3151.9	2518.2	2070.9
50°	9365.0	9457.7	9288.4	8958.0	8173.1	7035.5	5464.9	4111.1	3089.1	2515.6	2061.4
51°	9259.4	9371.8	9216.2	8918.5	8184.2	7055.9	5489.4	4112.7	3091.3	2502.2	1947.9
52°	9139.6	9273.0	9135.9	8874.0	8197.8	7066.4	5498.2	4123.0	3077.3	2445.1	1922.7
53°	9006.8	9160.6	9049.4	8827.1	8202.1	7069.5	5463.7	4141.4	3096.7	2372.1	1930.6
54°	8854.9	9024.1	8954.9	8772.8	8192.9	7075.0	5425.5	4122.1	3106.2	2376.4	1935.6
55°	8682.0	8865.4	8854.3	8707.3	8170.0	7069.5	5412.2	4118.3	3106.1	2373.4	1865.2
56°	8481.3	8680.7	8738.2	8632.6	8139.1	7052.8	5404.6	4109.0	3091.9	2357.3	1812.0
57°	8255.2	8470.8	8603.5	8551.0	8103.3	7036.7	5393.2	4100.6	3049.8	2247.8	1813.2
58°	8000.8	8233.6	8446.1	8462.7	8057.6	7027.5	5358.0	4062.1	3028.6	2267.8	1771.5
59°	7722.9	7972.4	8276.2	8361.5	8007.6	7011.4	5328.4	4022.7	3029.8	2296.7	1685.2
60°	7403.0	7684.6	8079.2	8246.0	7944.6	6986.1	5292.6	4008.5	3028.1	2320.4	1689.3
61°	7001.5	7348.0	7861.8	8108.2	7864.3	6943.5	5250.1	3972.0	3015.3	2242.9	1605.4
62°	6524.8	6951.5	7612.9	7948.3	7773.5	6885.4	5180.3	3936.2	2979.7	2234.9	1588.4
63°	5983.5	6499.4	7333.2	7763.6	7667.3	6794.6	5102.0	3888.0	2983.9	2243.6	1553.7
64°	5431.3	6017.0	7013.9	7561.1	7542.5	6673.6	5006.0	3825.6	2964.9	2200.0	1488.7
65°	4928.8	5540.1	6665.0	7336.9	7403.6	6529.7	4913.4	3786.2	2897.4	2204.8	1435.1
66°	4493.2	5075.4	6291.9	7078.1	7241.8	6400.6	4793.4	3720.4	2890.3	2167.0	1411.0
67°	4150.7	4653.0	5912.9	6795.9	7057.7	6254.9	4654.8	3640.0	2915.4	2161.8	1332.6
68°	3875.5	4285.6	5532.8	6477.2	6844.7	6078.9	4450.6	3540.0	2940.4	2166.0	1275.6
69°	3601.6	3969.5	5147.1	6132.8	6590.2	5867.8	4248.1	3418.4	2913.4	2157.6	1218.5
70°	3175.0	3643.8	4766.3	5775.5	6301.8	5597.9	3936.1	3243.4	2846.8	2166.7	1162.0
71°	2497.9	3220.2	4395.1	5411.8	5988.3	5249.0	3524.1	3003.6	2794.9	2162.1	1142.1
72°	1697.9	2634.0	4021.1	5049.5	5649.7	4860.6	3120.4	2750.4	2738.2	2210.2	1134.3
73°	992.5	1923.1	3615.5	4681.2	5281.7	4390.0	2742.6	2527.0	2624.8	2189.8	1099.4
74°	560.4	1230.5	3171.1	4305.9	4866.0	3878.9	2394.1	2341.4	2507.3	2184.0	1104.1
75°	467.5	723.3	2675.6	3894.8	4408.1	3325.4	1978.8	2148.1	2401.4	2165.6	1081.5
76°	386.4	586.6	2123.9	3421.7	3882.1	2736.7	1391.6	1870.9	2312.4	2113.2	1027.3
77°	305.2	452.4	1601.6	2832.3	3290.5	2030.1	806.0	1399.8	2229.8	2004.8	945.5
78°	272.6	318.1	1200.3	2107.9	2625.1	1293.7	372.6	928.7	2161.7	1829.0	837.3
79°	250.8	280.6	877.9	1342.8	1957.0	677.5	185.9	459.5	1960.1	1529.4	725.7
80°	231.1	251.9	632.5	727.1	1311.4	511.2	160.1	342.2	1453.5	1229.7	637.8
81°	212.5	226.5	506.1	566.2	741.8	346.0	134.2	224.9	946.9	932.0	651.5
82°	194.8	204.6	381.2	420.6	550.2	180.8	108.3	109.3	444.0	763.4	612.1
83°	176.9	185.7	256.4	275.1	363.6	149.7	92.6	86.7	333.5	651.3	490.1
84°	158.3	165.9	216.6	241.5	177.0	127.7	77.2	68.0	223.1	515.4	337.2
85°	139.7	145.9	172.6	210.6	139.3	105.5	62.4	52.8	113.1	366.9	222.8
86°	120.4	126.5	135.5	179.4	111.5	82.8	47.9	39.9	94.9	294.0	158.3
87°	100.5	108.0	111.8	144.5	87.6	62.3	34.2	29.4	74.3	221.2	93.8
88°	82.4	89.4	89.6	103.4	66.8	46.8	24.1	20.9	48.5	148.4	57.1
89°	68.0	70.8	67.8	60.9	51.3	31.5	14.1	12.5	33.5	75.5	39.0

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2	3901.2
1°	3807.1	3805.8	3812.3	3825.2	3842.4	3865.1	3889.2	3903.8	3927.2	3950.1	3970.6
2°	3722.1	3718.4	3728.5	3750.9	3782.8	3824.4	3871.1	3912.2	3960.5	4009.1	4052.0
3°	3644.0	3638.2	3650.7	3680.7	3726.6	3786.5	3856.1	3922.5	3997.2	4071.8	4140.4
4°	3572.6	3564.6	3580.4	3616.5	3674.8	3751.9	3842.8	3937.0	4038.6	4140.9	4235.5
5°	3505.1	3495.1	3513.2	3557.2	3626.9	3720.3	3832.3	3952.3	4081.0	4215.8	4340.5
6°	3440.7	3429.1	3448.6	3498.3	3580.9	3690.3	3824.1	3970.4	4126.9	4293.9	4452.8
7°	3380.3	3367.4	3388.7	3444.6	3534.7	3662.5	3817.2	3990.3	4176.9	4379.0	4571.9
8°	3325.2	3308.9	3332.8	3396.3	3493.9	3635.0	3811.2	4010.6	4229.8	4469.0	4699.1
9°	3271.0	3251.4	3278.1	3348.7	3457.6	3607.6	3805.4	4033.3	4285.0	4564.2	4836.6
10°	3219.8	3198.7	3227.2	3302.5	3422.6	3581.6	3802.5	4058.0	4344.1	4664.4	4982.2
11°	3174.6	3151.3	3179.3	3260.3	3388.6	3559.6	3801.8	4087.9	4407.5	4771.8	5138.0
12°	3134.2	3100.4	3135.5	3221.2	3356.6	3542.3	3792.6	4107.0	4474.9	4884.6	5301.8
13°	3058.9	3007.6	3060.7	3184.1	3324.9	3514.9	3787.5	4131.2	4532.4	5006.7	5477.0
14°	2999.4	2968.5	2999.9	3134.7	3297.3	3491.7	3782.3	4153.1	4594.4	5130.2	5658.8
15°	2968.1	2934.6	2966.4	3062.3	3263.4	3470.6	3782.6	4183.4	4658.8	5248.8	5852.8
16°	2938.5	2903.4	2935.9	3032.1	3234.2	3455.3	3785.7	4221.1	4730.6	5374.9	6050.8
17°	2912.5	2874.2	2910.0	3007.6	3196.7	3439.3	3791.8	4255.0	4814.2	5504.8	6256.7
18°	2884.5	2841.5	2881.4	2986.2	3147.2	3427.7	3802.5	4293.9	4888.8	5642.1	6454.4
19°	2856.3	2810.5	2854.1	2969.5	3115.1	3424.7	3820.6	4342.6	4973.4	5780.6	6647.7
20°	2828.0	2776.3	2828.2	2950.1	3095.4	3426.3	3839.5	4393.6	5058.4	5926.7	6841.0
21°	2795.9	2658.8	2799.5	2926.8	3082.7	3426.4	3852.6	4439.3	5154.5	6069.0	7024.4
22°	2651.8	2572.5	2663.8	2904.8	3075.0	3419.1	3856.5	4479.8	5253.3	6212.3	7199.8
23°	2595.8	2548.5	2607.6	2887.6	3068.0	3406.8	3869.2	4509.3	5349.2	6356.2	7374.6
24°	2575.3	2531.8	2589.5	2779.1	3054.9	3394.9	3892.3	4547.4	5438.3	6497.6	7546.9
25°	2562.2	2518.0	2576.9	2706.1	3042.4	3384.8	3902.0	4599.5	5517.3	6640.2	7706.8
26°	2549.9	2503.4	2566.1	2694.8	3034.9	3368.5	3915.7	4644.5	5599.1	6781.1	7869.9
27°	2536.5	2492.7	2554.6	2685.1	3018.2	3375.5	3937.8	4683.7	5690.0	6921.2	8027.3
28°	2526.7	2479.8	2545.7	2670.9	2998.0	3380.6	3959.8	4733.6	5794.7	7052.2	8186.7
29°	2515.2	2370.9	2535.2	2654.0	2902.5	3371.6	3973.9	4792.9	5900.0	7180.0	8341.1
30°	2390.4	2326.2	2408.5	2639.6	2839.5	3359.0	3977.5	4853.6	5989.9	7298.6	8497.9
31°	2354.4	2321.4	2373.8	2627.0	2814.6	3358.8	3993.4	4909.3	6094.3	7416.5	8665.3
32°	2348.0	2321.6	2367.6	2612.1	2803.4	3361.7	4017.5	4954.9	6207.3	7543.8	8818.5
33°	2344.0	2320.6	2364.2	2474.9	2800.1	3350.1	4043.6	5012.8	6330.2	7671.6	8967.9
34°	2339.3	2315.7	2359.0	2447.2	2798.4	3349.1	4054.7	5081.2	6440.2	7800.7	9093.3
35°	2331.2	2311.1	2350.8	2435.4	2795.8	3349.3	4079.1	5148.7	6537.1	7921.7	9176.7
36°	2322.1	2223.3	2340.6	2431.1	2784.1	3345.4	4108.1	5213.6	6621.7	8003.3	9206.3
37°	2230.5	2160.6	2237.1	2434.9	2774.6	3339.9	4126.9	5257.8	6691.5	8047.7	9195.8
38°	2156.5	2162.0	2175.1	2435.3	2745.7	3328.6	4142.9	5305.2	6745.2	8058.8	9153.2
39°	2151.5	2168.2	2169.4	2434.6	2655.6	3246.1	4147.1	5355.7	6782.3	8049.0	9104.4
40°	2150.2	2170.9	2165.4	2400.9	2670.6	3203.8	4151.9	5388.8	6804.5	8043.4	9070.4
41°	2139.0	2160.9	2152.2	2315.9	2689.3	3216.8	4156.5	5412.6	6815.6	8049.0	9050.7
42°	2115.5	2041.5	2128.7	2319.2	2687.9	3233.5	4162.4	5433.9	6835.4	8060.7	9047.0
43°	1997.9	2000.8	2013.5	2309.9	2690.7	3223.1	4175.4	5451.6	6856.4	8077.4	9055.0
44°	1951.4	1997.7	1972.1	2288.1	2699.3	3216.8	4188.2	5464.2	6885.4	8096.5	9058.7

REPORT NUMBER: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1947.5	1991.0	1968.8	2273.4	2707.9	3229.2	4210.6	5485.0	6919.4	8115.0	9056.2
46°	1940.7	1978.5	1960.1	2183.0	2668.5	3250.1	4194.6	5498.9	6954.6	8139.1	9053.8
47°	1922.8	1807.3	1945.4	2121.6	2569.8	3253.2	4154.2	5511.5	6984.2	8166.3	9045.7
48°	1774.1	1791.0	1798.6	2121.3	2562.1	3264.9	4161.2	5540.5	7009.6	8187.9	9030.3
49°	1765.5	1777.9	1795.5	2110.0	2569.0	3201.8	4181.3	5566.3	7036.1	8204.6	9002.5
50°	1764.1	1765.1	1795.9	2104.4	2562.6	3161.0	4197.3	5588.2	7059.6	8221.3	8966.7
51°	1762.2	1624.8	1796.2	1984.8	2551.8	3164.5	4199.6	5605.4	7071.9	8229.9	8929.6
52°	1655.0	1575.0	1681.9	1968.7	2466.1	3157.8	4209.4	5603.8	7076.3	8231.1	8890.1
53°	1621.6	1564.8	1653.4	1978.4	2426.9	3179.1	4221.4	5557.3	7081.2	8222.5	8841.9
54°	1612.0	1544.4	1643.3	1987.1	2433.0	3181.4	4205.5	5514.9	7073.8	8200.9	8786.3
55°	1590.9	1380.3	1614.1	1899.3	2432.6	3182.1	4201.8	5499.3	7054.6	8171.2	8727.7
56°	1457.4	1379.4	1488.9	1864.5	2415.8	3177.6	4187.3	5488.6	7032.4	8139.7	8657.9
57°	1460.0	1299.1	1493.4	1865.2	2319.5	3122.7	4177.1	5473.0	7016.4	8099.0	8572.7
58°	1368.7	1219.8	1393.8	1804.7	2345.6	3115.1	4119.8	5433.7	6996.0	8049.0	8470.1
59°	1315.4	1223.1	1350.6	1746.0	2377.7	3115.4	4096.7	5396.1	6968.8	7990.3	8352.2
60°	1269.7	1045.9	1306.6	1756.5	2398.9	3110.9	4063.1	5347.6	6926.8	7917.4	8222.5
61°	1224.0	1048.2	1262.6	1664.5	2324.4	3088.4	4021.0	5307.3	6873.1	7835.3	8081.7
62°	1175.3	888.5	1216.6	1657.0	2321.0	3051.5	3973.8	5239.8	6784.1	7735.2	7924.8
63°	1022.4	882.3	1062.1	1610.5	2315.3	3048.9	3918.3	5158.6	6669.3	7617.9	7745.1
64°	1012.5	689.3	1041.1	1560.9	2286.8	3019.2	3857.9	5057.0	6529.1	7483.9	7538.2
65°	858.9	610.7	892.6	1498.9	2295.9	2944.2	3797.5	4955.6	6397.5	7331.3	7301.7
66°	746.3	494.3	769.1	1488.7	2258.3	2955.3	3723.3	4808.1	6249.9	7159.0	7042.3
67°	679.1	329.2	672.1	1410.6	2252.2	2973.8	3627.9	4648.0	6078.2	6965.7	6754.5
68°	537.2	164.1	554.4	1347.0	2246.0	2984.5	3508.4	4409.6	5881.5	6741.5	6453.1
69°	357.2	0.4	373.1	1283.5	2237.9	2922.0	3368.4	4148.7	5636.3	6488.3	6127.7
70°	346.0	0.3	358.9	1221.3	2248.6	2840.1	3153.6	3768.2	5338.8	6199.3	5773.8
71°	345.3	0.3	346.3	1203.5	2238.0	2763.3	2877.3	3326.3	4952.6	5882.3	5393.1
72°	328.6	0.3	320.5	1188.5	2281.2	2684.5	2618.7	2920.2	4536.9	5539.3	5018.9
73°	295.3	0.3	274.0	1142.3	2244.5	2559.0	2422.0	2554.4	4032.8	5146.8	4635.8
74°	254.4	0.3	217.3	1124.8	2192.9	2443.7	2248.0	2167.7	3495.6	4695.2	4246.1
75°	204.0	0.3	179.5	1078.7	2139.9	2355.5	1982.1	1646.1	2935.6	4184.7	3816.3
76°	153.4	0.3	166.0	1009.3	2026.5	2272.1	1502.1	1018.5	2316.3	3628.9	3341.2
77°	116.6	0.4	184.8	918.4	1860.0	2184.9	1022.0	491.0	1598.7	3014.9	2736.6
78°	126.0	0.4	211.2	811.5	1647.2	1999.6	547.3	322.3	906.9	2352.4	1962.2
79°	174.1	0.4	170.3	723.4	1391.7	1510.3	228.9	162.9	666.6	1707.6	1189.9
80°	182.8	0.5	129.4	676.5	1136.1	1021.0	171.1	138.0	431.4	1104.2	606.8
81°	146.5	0.6	88.5	632.9	883.9	531.9	114.4	120.2	196.2	603.1	486.8
82°	110.3	0.7	47.0	539.8	738.4	392.9	91.8	103.7	163.1	449.1	379.5
83°	74.2	0.8	24.7	348.6	571.9	253.9	74.6	88.2	140.4	306.6	272.3
84°	43.2	0.9	19.7	251.4	374.8	115.6	60.5	73.0	119.4	164.1	239.2
85°	26.2	1.0	14.6	154.2	267.9	95.8	47.8	58.2	98.1	129.1	208.2
86°	20.1	1.1	9.7	59.5	160.9	76.7	36.4	43.7	76.5	102.7	176.2
87°	14.1	1.3	8.2	34.8	54.9	56.8	26.5	29.2	57.4	80.1	140.0
88°	8.2	1.5	6.7	24.1	37.7	39.0	18.8	17.1	41.6	60.5	95.4
89°	5.1	1.6	4.6	13.5	20.4	21.3	11.0	7.5	25.8	47.1	53.8

REPORT NUMBER: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	3901.2	3901.2	3901.2
1°	3987.3	3996.9	4001.9
2°	4086.5	4108.2	4116.1
3°	4194.1	4228.7	4239.6
4°	4312.5	4362.9	4378.7
5°	4442.3	4509.2	4530.8
6°	4582.2	4669.9	4697.5
7°	4734.8	4841.0	4876.5
8°	4894.2	5025.0	5069.3
9°	5069.1	5222.6	5276.9
10°	5252.7	5434.9	5497.7
11°	5450.3	5662.4	5735.4
12°	5659.4	5901.9	5990.1
13°	5881.9	6160.3	6263.5
14°	6113.7	6430.9	6545.8
15°	6357.4	6710.0	6840.3
16°	6607.5	6997.8	7141.1
17°	6868.8	7290.6	7443.1
18°	7122.6	7580.2	7735.8
19°	7370.8	7856.3	8024.3
20°	7612.9	8122.4	8300.9
21°	7847.0	8376.3	8562.8
22°	8065.6	8611.6	8803.0
23°	8277.5	8844.4	9036.5
24°	8481.3	9070.4	9252.6
25°	8683.8	9282.3	9460.1
26°	8884.5	9479.3	9636.1
27°	9073.5	9647.3	9790.5
28°	9240.3	9793.0	9932.0
29°	9394.7	9941.2	10082.0
30°	9551.5	10108.0	10259.3
31°	9715.2	10261.1	10404.4
32°	9860.3	10371.7	10512.5
33°	9957.9	10423.6	10549.5
34°	10001.7	10410.6	10514.3
35°	9984.5	10330.9	10416.8
36°	9928.9	10216.1	10291.4
37°	9839.3	10097.5	10179.6
38°	9755.3	10020.9	10117.9
39°	9700.4	9977.7	10082.0
40°	9665.8	9953.6	10055.5
41°	9643.6	9933.2	10024.6
42°	9619.5	9909.7	9985.1
43°	9595.4	9883.2	9935.1
44°	9571.3	9848.0	9873.9

REPORT NUMBER: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	9542.3	9799.8	9800.4
46°	9509.5	9739.9	9719.5
47°	9473.1	9674.4	9634.3
48°	9428.6	9603.4	9546.0
49°	9371.2	9531.8	9458.3
50°	9302.0	9457.7	9365.0
51°	9226.7	9375.5	9259.4
52°	9142.1	9280.4	9139.6
53°	9054.4	9164.9	9006.8
54°	8963.0	9028.4	8854.9
55°	8866.0	8867.3	8682.0
56°	8752.4	8683.8	8481.3
57°	8619.0	8479.4	8255.2
58°	8457.8	8237.3	8000.8
59°	8279.9	7974.8	7722.9
60°	8080.5	7690.1	7403.0
61°	7853.2	7367.1	7001.5
62°	7601.8	6976.2	6524.8
63°	7323.9	6524.8	5983.5
64°	7023.1	6032.9	5431.3
65°	6683.5	5546.1	4928.8
66°	6316.6	5092.8	4493.2
67°	5937.7	4685.9	4150.7
68°	5546.8	4316.5	3875.5
69°	5176.5	3986.9	3601.6
70°	4823.3	3661.3	3175.0
71°	4457.0	3259.4	2497.9
72°	4057.3	2698.7	1697.9
73°	3656.8	1991.6	992.5
74°	3235.0	1320.0	560.4
75°	2701.1	803.2	467.5
76°	2127.0	644.8	386.4
77°	1626.7	487.7	305.2
78°	1229.1	330.6	272.6
79°	907.8	286.1	250.8
80°	612.8	255.6	231.1
81°	493.4	229.4	212.5
82°	375.5	207.5	194.8
83°	257.5	190.0	176.9
84°	215.7	169.3	158.3
85°	170.6	147.3	139.7
86°	136.3	127.2	120.4
87°	111.4	108.0	100.5
88°	88.3	89.2	82.4
89°	65.7	70.5	68.0

REPORT NUMBER: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-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: P1445045

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)