

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: P1436827

Luminaire Tested: XAS300-SFPM (5000K-180W-T4)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436827
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-180W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 4
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

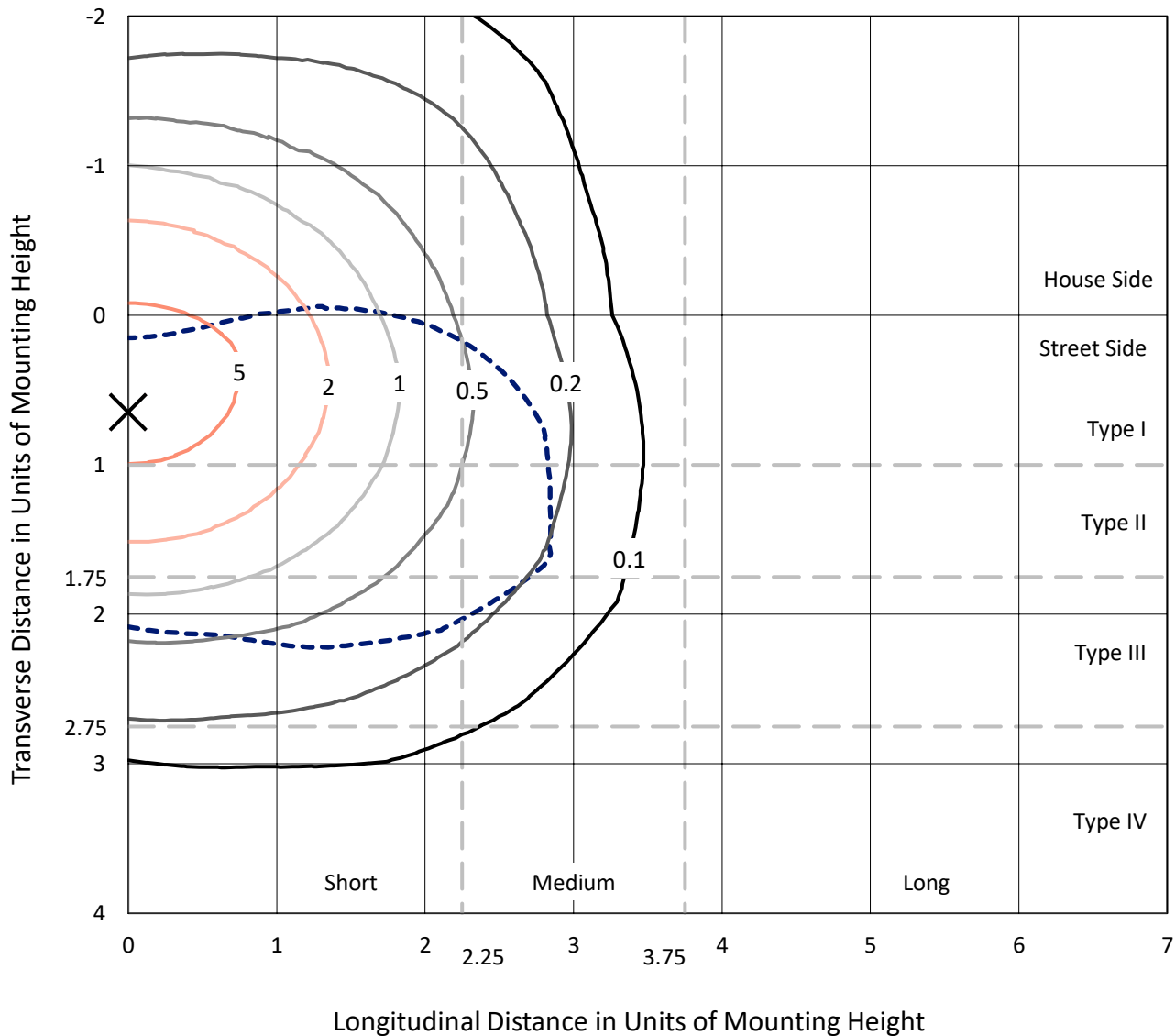
Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 30514.5 lumens
Efficiency: 79.5%
Efficacy: 166.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 183.2
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

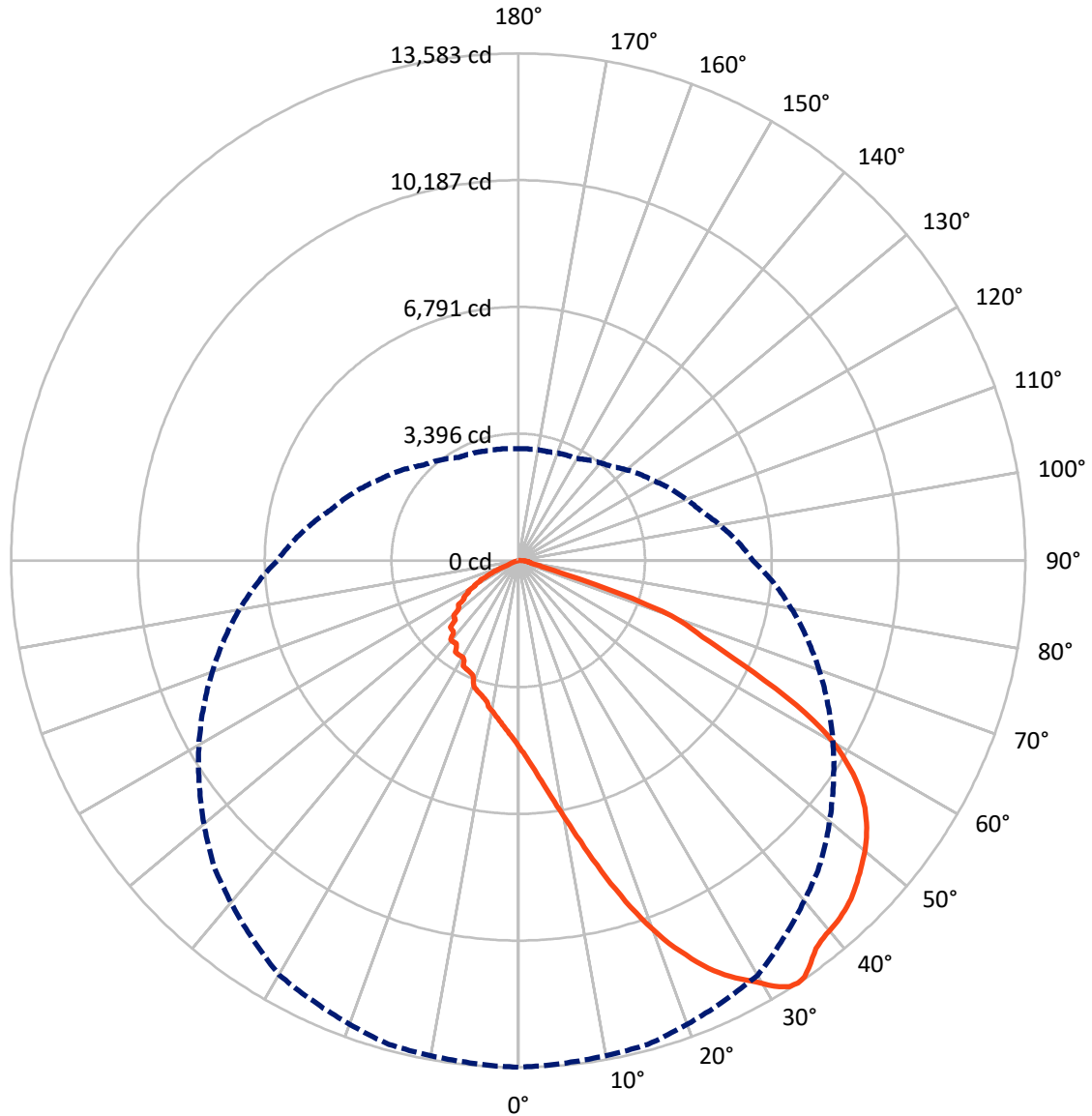
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10 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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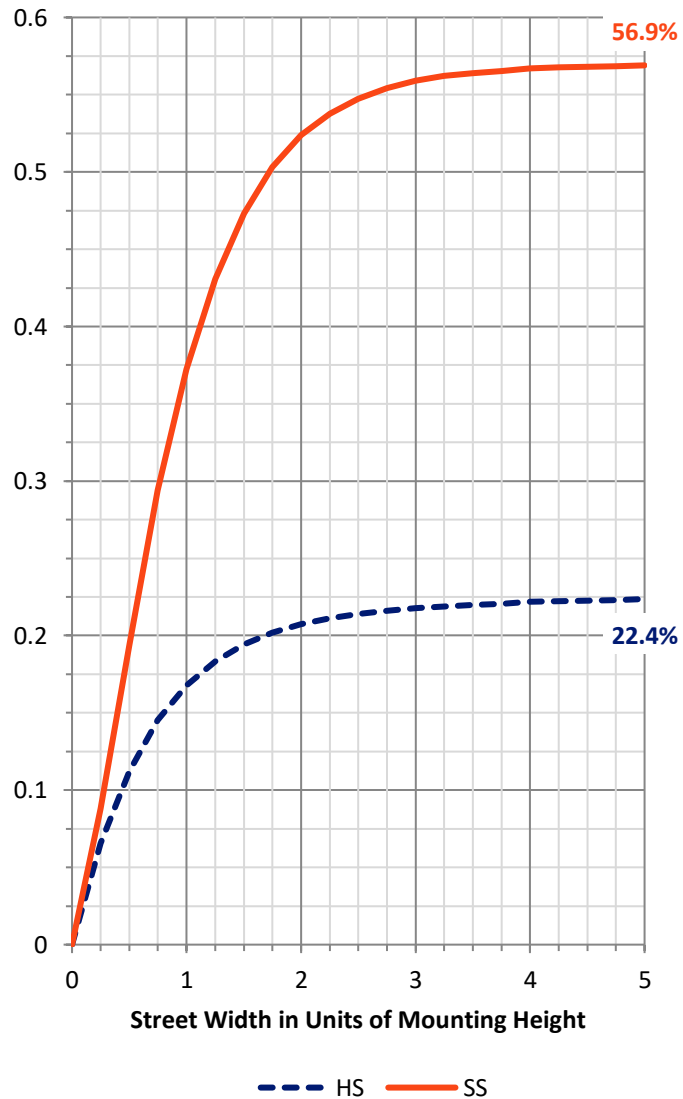
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8639.9	0.0	8639.9
	% Lamp	22.5	0.0	22.5
Street Side	Lumens	21874.6	0.0	21874.6
	% Lamp	57.0	0.0	57.0
Total	Lumens	30514.5	0.0	30514.5
	% Lamp	79.5	0.0	79.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	497.7	1.6	1.3
10°-20°	1676.2	5.5	4.4
20°-30°	3179.8	10.4	8.3
30°-40°	4684.9	15.4	12.2
40°-50°	5709.9	18.7	14.9
50°-60°	6245.9	20.5	16.3
60°-70°	5526.3	18.1	14.4
70°-80°	2737.6	9.0	7.1
80°-90°	256.1	0.8	0.7
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°	30514.5	100.0	79.5
0°-180°	30514.5	100.0	79.5

Coefficient of Utilization



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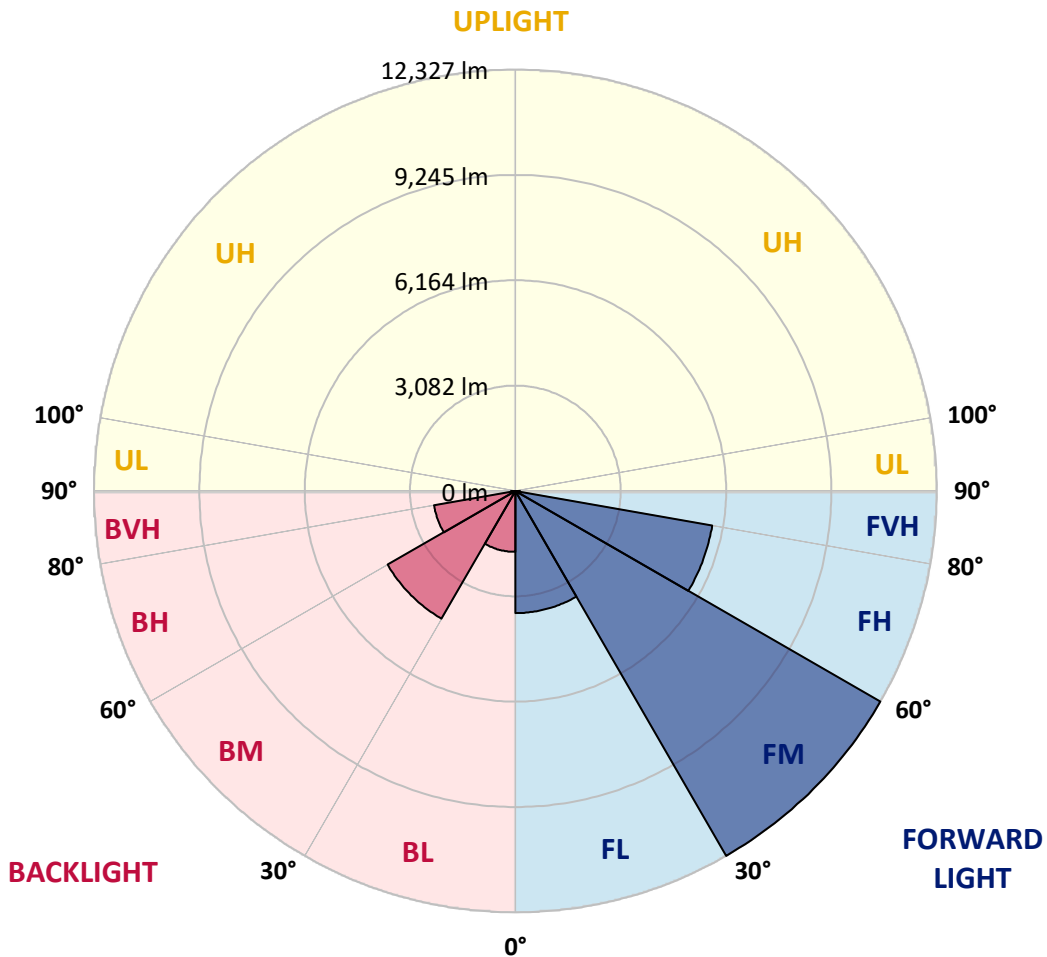
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3571.2	9.3			
FM (30°-60°)	12327.2	32.1			
FH (60°-80°)	5846.2	15.2			G3/7500
FVH (80°-90°)	130.0	0.3			G2/225
BL (0°-30°)	1782.5	4.6	B3/2500		
BM (30°-60°)	4313.5	11.2	B3/5000		
BH (60°-80°)	2417.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	126.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	7861.5	20.5			

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°	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8
1°	5152.5	5151.0	5138.9	5120.6	5095.4	5064.0	5015.6	4983.1	4952.7	4928.8	4911.1
2°	5299.4	5291.1	5262.1	5219.1	5163.2	5099.5	5016.0	4951.3	4893.3	4846.1	4811.2
3°	5458.5	5444.0	5396.8	5327.9	5237.5	5138.2	5020.9	4925.2	4840.9	4771.9	4721.1
4°	5637.6	5613.4	5547.0	5447.7	5321.7	5186.9	5032.4	4905.5	4792.8	4701.7	4638.2
5°	5833.4	5803.4	5711.2	5576.9	5416.4	5241.5	5050.2	4892.0	4750.7	4641.4	4561.3
6°	6048.1	6007.8	5893.0	5722.6	5517.4	5300.0	5068.9	4880.8	4714.1	4584.2	4486.5
7°	6278.5	6231.0	6088.9	5876.6	5625.6	5361.6	5091.0	4871.3	4680.5	4527.6	4417.8
8°	6526.7	6468.1	6298.7	6046.1	5741.5	5427.9	5116.2	4864.6	4649.0	4476.0	4355.6
9°	6794.0	6722.4	6525.5	6224.5	5866.4	5500.1	5145.5	4858.5	4617.5	4430.0	4296.5
10°	7078.2	6995.6	6762.5	6416.6	5997.3	5576.5	5175.5	4855.6	4585.8	4387.7	4240.7
11°	7384.4	7289.9	7023.1	6619.5	6137.0	5660.4	5209.5	4855.6	4558.1	4347.3	4188.9
12°	7712.3	7600.3	7296.7	6831.9	6283.6	5747.5	5234.0	4845.9	4534.7	4306.3	4142.6
13°	8064.3	7932.9	7580.1	7058.5	6442.6	5821.6	5257.5	4833.4	4500.8	4268.3	4098.5
14°	8427.7	8285.3	7880.3	7296.0	6607.5	5900.7	5290.8	4826.6	4469.3	4234.8	4034.1
15°	8807.0	8642.4	8192.3	7542.1	6761.4	5987.2	5327.0	4824.5	4439.3	4191.3	3947.4
16°	9194.2	9010.5	8510.4	7794.4	6925.2	6079.2	5375.2	4834.7	4415.1	4151.4	3907.0
17°	9583.0	9377.1	8835.6	8050.8	7091.7	6180.6	5417.3	4837.1	4398.9	4093.5	3876.1
18°	9959.9	9742.0	9154.4	8307.6	7256.6	6288.0	5465.1	4845.7	4378.3	4027.9	3848.0
19°	10331.2	10098.3	9471.7	8552.5	7434.1	6389.7	5521.0	4867.4	4366.6	3993.3	3824.4
20°	10687.5	10439.4	9778.6	8786.3	7607.1	6499.8	5582.6	4890.5	4363.0	3965.9	3799.1
21°	11024.6	10769.4	10071.2	9027.2	7790.2	6614.1	5645.4	4909.0	4362.7	3943.0	3769.8
22°	11333.9	11079.5	10351.9	9248.3	7959.3	6738.4	5697.5	4907.6	4351.1	3929.2	3737.2
23°	11634.5	11380.8	10628.6	9462.9	8137.5	6865.1	5727.5	4913.0	4327.1	3920.0	3709.0
24°	11912.8	11667.1	10894.2	9672.9	8311.6	6979.9	5767.4	4935.3	4299.8	3901.3	3568.3
25°	12179.9	11935.0	11151.0	9886.8	8480.2	7085.0	5824.8	4945.8	4281.7	3885.0	3461.6
26°	12406.6	12177.6	11402.3	10087.1	8654.3	7176.0	5884.4	4952.9	4262.7	3870.3	3438.1
27°	12605.3	12390.6	11640.8	10283.5	8827.6	7279.0	5922.5	4974.4	4265.3	3851.4	3421.8
28°	12787.4	12581.5	11861.9	10472.8	8999.4	7399.2	5978.1	4997.8	4269.3	3821.1	3404.6
29°	12980.6	12770.7	12057.5	10654.9	9156.0	7531.7	6045.0	5019.1	4266.0	3693.7	3381.0
30°	13208.8	12990.2	12258.7	10842.5	9304.7	7646.9	6118.8	5021.2	4246.9	3609.9	3357.3
31°	13395.7	13187.4	12469.4	11046.1	9428.8	7759.2	6188.9	5028.3	4244.5	3578.2	3342.0
32°	13534.9	13342.4	12665.0	11257.6	9567.9	7872.1	6243.6	5050.7	4247.3	3557.6	3323.4
33°	13582.6	13423.5	12830.4	11458.7	9734.9	7998.3	6293.4	5075.3	4234.1	3548.8	3146.8
34°	13537.2	13403.7	12921.0	11640.0	9904.3	8137.5	6357.9	5088.2	4229.9	3545.6	3110.4
35°	13411.6	13301.1	12908.3	11769.6	10064.1	8278.2	6434.7	5108.9	4233.5	3542.4	3095.6
36°	13250.2	13159.5	12820.8	11846.8	10208.0	8411.8	6511.2	5145.5	4229.3	3529.4	3087.7
37°	13106.3	13003.7	12700.8	11848.4	10295.5	8514.3	6565.8	5165.5	4225.1	3515.5	3092.1
38°	13026.8	12900.3	12581.5	11801.5	10344.0	8603.4	6619.8	5182.6	4208.7	3484.1	3094.7
39°	12980.6	12846.3	12498.8	11745.0	10350.3	8675.8	6699.0	5201.1	4097.9	3363.8	3088.1
40°	12946.5	12809.7	12452.7	11702.9	10327.3	8718.7	6770.1	5216.1	4039.1	3371.0	3052.8
41°	12906.7	12780.3	12423.3	11678.2	10321.7	8743.3	6820.0	5241.6	4057.7	3393.6	2931.4
42°	12855.8	12748.5	12396.2	11658.3	10337.6	8765.6	6850.4	5249.0	4082.6	3401.0	2936.2
43°	12791.4	12709.5	12367.6	11650.4	10359.1	8793.4	6867.1	5267.2	4087.1	3399.6	2930.8
44°	12712.7	12661.8	12334.2	11652.0	10386.9	8817.3	6874.9	5274.6	4074.1	3412.7	2902.3

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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12618.1	12601.4	12291.3	11650.4	10419.5	8852.3	6891.2	5304.9	4089.4	3424.1	2882.5
46°	12513.9	12526.6	12241.2	11636.9	10444.9	8899.2	6913.4	5303.6	4110.3	3390.9	2787.3
47°	12404.2	12448.7	12183.1	11617.8	10465.6	8950.1	6921.9	5246.2	4107.8	3250.4	2676.5
48°	12290.5	12363.6	12117.9	11601.9	10487.1	8994.6	6958.0	5244.4	4121.3	3234.1	2675.6
49°	12177.6	12272.2	12041.6	11576.4	10511.7	9028.8	6998.9	5267.9	4058.1	3242.2	2666.3
50°	12057.5	12176.8	11958.9	11533.5	10522.9	9058.2	7036.1	5293.0	3977.2	3238.8	2654.0
51°	11921.5	12066.2	11865.9	11482.6	10537.2	9084.5	7067.7	5295.1	3980.1	3221.6	2507.9
52°	11767.3	11939.0	11762.5	11425.4	10554.7	9098.0	7079.0	5308.4	3962.0	3148.0	2475.4
53°	11596.3	11794.3	11651.2	11364.9	10560.2	9102.0	7034.5	5332.0	3987.1	3054.1	2485.6
54°	11400.7	11618.6	11529.5	11294.9	10548.3	9109.1	6985.3	5307.2	3999.2	3059.6	2492.0
55°	11178.1	11414.2	11399.9	11210.7	10518.9	9102.0	6968.3	5302.3	3999.1	3055.8	2401.5
56°	10919.6	11176.5	11250.4	11114.5	10479.1	9080.5	6958.4	5290.4	3980.9	3035.0	2333.0
57°	10628.6	10906.1	11077.1	11009.5	10433.0	9059.8	6943.7	5279.6	3926.6	2894.0	2334.4
58°	10301.0	10600.8	10874.3	10895.8	10374.2	9047.9	6898.5	5229.9	3899.4	2919.8	2280.9
59°	9943.2	10264.4	10655.7	10765.4	10309.8	9027.2	6860.3	5179.3	3900.9	2957.0	2169.7
60°	9531.3	9893.9	10402.0	10616.7	10228.7	8994.6	6814.2	5161.0	3898.7	2987.5	2174.9
61°	9014.5	9460.6	10122.1	10439.4	10125.3	8939.7	6759.5	5114.0	3882.3	2887.8	2067.0
62°	8400.6	8950.1	9801.7	10233.4	10008.4	8865.0	6669.7	5067.8	3836.4	2877.4	2045.0
63°	7703.8	8368.0	9441.5	9995.7	9871.6	8748.1	6568.9	5005.8	3841.7	2888.7	2000.3
64°	6992.8	7747.0	9030.4	9734.9	9711.0	8592.3	6445.2	4925.5	3817.3	2832.4	1916.8
65°	6345.8	7133.0	8581.1	9446.3	9532.1	8407.0	6326.0	4874.7	3730.4	2838.7	1847.7
66°	5785.0	6534.6	8100.9	9113.1	9323.8	8240.8	6171.6	4790.0	3721.3	2790.0	1816.7
67°	5344.0	5990.7	7612.8	8749.7	9086.8	8053.2	5993.1	4686.5	3753.6	2783.4	1715.8
68°	4989.7	5517.7	7123.5	8339.4	8812.5	7826.6	5730.2	4557.8	3785.8	2788.8	1642.3
69°	4637.0	5110.8	6626.8	7896.0	8484.9	7554.9	5469.4	4401.2	3751.1	2778.0	1568.8
70°	4087.8	4691.4	6136.6	7436.0	8113.6	7207.3	5067.7	4175.8	3665.3	2789.7	1496.1
71°	3216.0	4146.0	5658.7	6967.6	7709.9	6758.1	4537.3	3867.1	3598.5	2783.7	1470.5
72°	2186.1	3391.3	5177.1	6501.2	7274.0	6258.0	4017.5	3541.2	3525.4	2845.6	1460.4
73°	1277.8	2476.0	4655.0	6027.1	6800.2	5652.2	3531.1	3253.5	3379.4	2819.4	1415.5
74°	721.6	1584.2	4082.8	5543.9	6265.0	4994.1	3082.4	3014.6	3228.2	2811.8	1421.5
75°	601.9	931.3	3444.9	5014.5	5675.4	4281.5	2547.7	2765.7	3091.8	2788.2	1392.4
76°	497.4	755.3	2734.5	4405.4	4998.2	3523.5	1791.7	2408.8	2977.2	2720.8	1322.7
77°	393.0	582.4	2062.1	3646.6	4236.5	2613.8	1037.7	1802.2	2870.9	2581.2	1217.4
78°	351.0	409.5	1545.4	2713.9	3379.8	1665.6	479.7	1195.7	2783.2	2354.8	1078.0
79°	322.9	361.2	1130.3	1728.9	2519.6	872.3	239.4	591.6	2523.6	1969.1	934.4
80°	297.5	324.3	814.4	936.1	1688.4	658.1	206.1	440.6	1871.4	1583.3	821.1
81°	273.7	291.6	651.6	729.0	955.0	445.5	172.7	289.6	1219.2	1199.9	838.9
82°	250.9	263.5	490.8	541.6	708.4	232.8	139.5	140.7	571.6	982.9	788.0
83°	227.8	239.1	330.1	354.1	468.1	192.8	119.2	111.6	429.4	838.6	631.0
84°	203.8	213.6	278.9	310.9	227.9	164.4	99.5	87.6	287.3	663.5	434.1
85°	179.9	187.8	222.2	271.1	179.4	135.9	80.3	68.0	145.6	472.4	286.8
86°	155.1	162.8	174.5	231.0	143.5	106.6	61.7	51.4	122.2	378.6	203.8
87°	129.4	139.0	144.0	186.1	112.8	80.2	44.0	37.8	95.6	284.8	120.8
88°	106.1	115.1	115.4	133.1	86.0	60.3	31.1	27.0	62.5	191.0	73.6
89°	87.5	91.2	87.3	78.4	66.0	40.6	18.1	16.1	43.1	97.2	50.3



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8	5022.8
1°	4901.6	4900.0	4908.3	4925.0	4947.0	4976.4	5007.4	5026.2	5056.3	5085.8	5112.1
2°	4792.2	4787.5	4800.5	4829.3	4870.3	4923.9	4984.0	5037.0	5099.1	5161.7	5216.9
3°	4691.7	4684.2	4700.2	4738.9	4797.9	4875.1	4964.7	5050.2	5146.4	5242.5	5330.8
4°	4599.7	4589.4	4609.7	4656.3	4731.3	4830.6	4947.7	5068.9	5199.7	5331.4	5453.2
5°	4512.8	4499.9	4523.3	4579.9	4669.7	4789.9	4934.2	5088.6	5254.3	5427.9	5588.4
6°	4429.9	4414.9	4440.1	4504.1	4610.4	4751.3	4923.6	5111.9	5313.4	5528.4	5733.0
7°	4352.2	4335.6	4363.0	4434.9	4550.9	4715.5	4914.6	5137.5	5377.8	5638.0	5886.3
8°	4281.2	4260.3	4291.0	4372.8	4498.4	4680.1	4906.9	5163.7	5445.8	5753.8	6050.1
9°	4211.4	4186.2	4220.6	4311.5	4451.7	4644.8	4899.4	5192.9	5517.0	5876.4	6227.1
10°	4145.5	4118.3	4155.1	4251.9	4406.7	4611.3	4895.7	5224.7	5593.0	6005.4	6414.5
11°	4087.3	4057.4	4093.4	4197.6	4362.8	4583.0	4894.9	5263.2	5674.7	6143.6	6615.2
12°	4035.3	3991.8	4036.9	4147.4	4321.7	4560.7	4882.9	5287.8	5761.5	6288.9	6826.1
13°	3938.3	3872.3	3940.7	4099.6	4280.8	4525.5	4876.4	5318.9	5835.4	6446.2	7051.6
14°	3861.7	3821.9	3862.4	4035.9	4245.2	4495.6	4869.7	5347.2	5915.3	6605.1	7285.7
15°	3821.4	3778.3	3819.3	3942.7	4201.6	4468.4	4870.1	5386.1	5998.2	6757.8	7535.5
16°	3783.3	3738.1	3780.0	3903.9	4164.1	4448.7	4874.0	5434.7	6090.6	6920.2	7790.4
17°	3749.9	3700.6	3746.6	3872.3	4115.8	4428.1	4882.0	5478.3	6198.3	7087.4	8055.6
18°	3713.8	3658.4	3709.8	3844.7	4052.0	4413.2	4895.7	5528.4	6294.4	7264.2	8310.0
19°	3677.5	3618.5	3674.7	3823.2	4010.8	4409.3	4919.0	5591.1	6403.3	7442.6	8558.9
20°	3641.0	3574.5	3641.3	3798.2	3985.4	4411.4	4943.4	5656.8	6512.7	7630.6	8807.8
21°	3599.8	3423.2	3604.4	3768.2	3968.9	4411.5	4960.2	5715.6	6636.4	7813.9	9043.9
22°	3414.2	3312.1	3429.6	3739.9	3959.1	4402.1	4965.2	5767.7	6763.6	7998.3	9269.7
23°	3342.1	3281.2	3357.2	3717.8	3950.1	4386.2	4981.6	5805.8	6887.1	8183.6	9494.8
24°	3315.6	3259.8	3333.9	3578.0	3933.2	4371.0	5011.4	5854.8	7001.8	8365.7	9716.6
25°	3298.8	3241.9	3317.8	3484.1	3917.1	4357.9	5023.8	5921.9	7103.5	8549.3	9922.5
26°	3283.0	3223.2	3303.9	3469.5	3907.5	4336.9	5041.4	5979.8	7208.8	8730.6	10132.5
27°	3265.8	3209.4	3289.0	3457.0	3885.9	4346.0	5069.9	6030.3	7325.9	8911.1	10335.2
28°	3253.2	3192.8	3277.6	3438.8	3859.9	4352.6	5098.3	6094.5	7460.6	9079.7	10540.4
29°	3238.3	3052.5	3264.1	3417.0	3737.0	4340.9	5116.4	6170.8	7596.3	9244.3	10739.1
30°	3077.6	2995.0	3101.0	3398.5	3655.9	4324.8	5121.1	6249.1	7712.0	9397.0	10941.1
31°	3031.3	2988.8	3056.3	3382.3	3623.8	4324.5	5141.5	6320.8	7846.4	9548.8	11156.6
32°	3023.0	2989.0	3048.2	3363.0	3609.4	4328.2	5172.5	6379.4	7991.9	9712.6	11353.8
33°	3017.9	2987.7	3044.0	3186.4	3605.2	4313.3	5206.2	6454.0	8150.2	9877.2	11546.2
34°	3011.9	2981.5	3037.2	3150.7	3602.9	4312.0	5220.5	6542.1	8291.7	10043.4	11707.6
35°	3001.4	2975.6	3026.7	3135.6	3599.6	4312.2	5251.9	6629.0	8416.5	10199.2	11815.0
36°	2989.7	2862.5	3013.5	3130.0	3584.5	4307.3	5289.2	6712.5	8525.5	10304.2	11853.1
37°	2871.7	2781.8	2880.3	3134.9	3572.2	4300.2	5313.4	6769.4	8615.3	10361.5	11839.6
38°	2776.5	2783.6	2800.5	3135.4	3535.1	4285.6	5334.0	6830.4	8684.5	10375.8	11784.8
39°	2770.0	2791.6	2793.2	3134.6	3419.1	4179.3	5339.4	6895.4	8732.2	10363.0	11721.9
40°	2768.4	2795.1	2787.9	3091.1	3438.3	4124.9	5345.6	6938.1	8760.8	10355.9	11678.2
41°	2754.0	2782.2	2771.0	2981.7	3462.4	4141.6	5351.5	6968.7	8775.2	10363.0	11652.8
42°	2723.7	2628.5	2740.8	2986.0	3460.7	4163.1	5359.1	6996.1	8800.6	10378.2	11648.0
43°	2572.3	2576.0	2592.4	2974.1	3464.3	4149.8	5375.8	7019.0	8827.6	10399.6	11658.3
44°	2512.4	2572.0	2539.0	2945.9	3475.3	4141.6	5392.3	7035.2	8865.0	10424.3	11663.1

REPORT NUMBER: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2507.4	2563.4	2534.8	2927.0	3486.4	4157.6	5421.2	7061.9	8908.7	10448.1	11659.9
46°	2498.6	2547.3	2523.6	2810.6	3435.6	4184.5	5400.6	7079.8	8954.1	10479.1	11656.7
47°	2475.6	2326.9	2504.8	2731.5	3308.6	4188.6	5348.5	7096.1	8992.2	10514.1	11646.4
48°	2284.2	2305.9	2315.7	2731.2	3298.7	4203.5	5357.6	7133.4	9024.8	10542.0	11626.5
49°	2273.1	2289.0	2311.7	2716.7	3307.6	4122.3	5383.4	7166.7	9059.0	10563.4	11590.7
50°	2271.3	2272.5	2312.3	2709.4	3299.3	4069.8	5404.1	7194.8	9089.2	10584.9	11544.6
51°	2268.8	2091.9	2312.7	2555.5	3285.4	4074.3	5407.0	7216.9	9105.1	10596.0	11496.9
52°	2130.8	2027.8	2165.5	2534.7	3175.1	4065.7	5419.6	7214.9	9110.7	10597.6	11446.0
53°	2087.8	2014.7	2128.7	2547.1	3124.7	4093.1	5435.1	7155.1	9117.1	10586.5	11384.0
54°	2075.4	1988.4	2115.7	2558.4	3132.4	4096.0	5414.6	7100.4	9107.5	10558.6	11312.4
55°	2048.3	1777.1	2078.1	2445.3	3132.0	4097.0	5409.8	7080.3	9082.9	10520.5	11236.9
56°	1876.4	1775.9	1916.9	2400.5	3110.3	4091.2	5391.2	7066.6	9054.2	10479.9	11147.1
57°	1879.8	1672.6	1922.8	2401.5	2986.4	4020.5	5378.0	7046.4	9033.6	10427.5	11037.3
58°	1762.3	1570.6	1794.5	2323.6	3020.0	4010.7	5304.3	6995.9	9007.3	10363.0	10905.3
59°	1693.6	1574.8	1738.9	2247.9	3061.3	4011.1	5274.6	6947.4	8972.3	10287.5	10753.5
60°	1634.8	1346.6	1682.3	2261.5	3088.6	4005.4	5231.3	6885.0	8918.3	10193.7	10586.5
61°	1576.0	1349.5	1625.7	2143.1	2992.7	3976.3	5177.1	6833.1	8849.1	10087.9	10405.2
62°	1513.1	1144.0	1566.3	2133.4	2988.3	3928.8	5116.2	6746.3	8734.6	9959.1	10203.2
63°	1316.4	1135.9	1367.5	2073.5	2981.0	3925.4	5044.8	6641.7	8586.7	9808.0	9971.8
64°	1303.6	887.5	1340.4	2009.7	2944.3	3887.2	4967.1	6510.8	8406.2	9635.5	9705.5
65°	1105.8	786.3	1149.2	1929.8	2955.9	3790.7	4889.2	6380.4	8236.8	9439.1	9400.9
66°	960.9	636.4	990.3	1916.8	2907.5	3805.0	4793.7	6190.4	8046.8	9217.3	9067.0
67°	874.3	423.8	865.3	1816.2	2899.7	3828.8	4671.0	5984.4	7825.7	8968.4	8696.4
68°	691.6	211.2	713.8	1734.3	2891.7	3842.5	4517.0	5677.4	7572.4	8679.7	8308.4
69°	459.9	0.5	480.3	1652.5	2881.3	3762.1	4336.8	5341.4	7256.8	8353.7	7889.4
70°	445.5	0.4	462.1	1572.4	2895.1	3656.6	4060.2	4851.6	6873.7	7981.6	7433.8
71°	444.6	0.4	445.9	1549.6	2881.4	3557.8	3704.6	4282.6	6376.5	7573.5	6943.6
72°	423.0	0.4	412.7	1530.2	2937.0	3456.3	3371.5	3759.8	5841.2	7131.9	6461.9
73°	380.3	0.4	352.7	1470.7	2889.9	3294.7	3118.3	3288.8	5192.3	6626.5	5968.6
74°	327.5	0.4	279.7	1448.2	2823.3	3146.3	2894.3	2790.9	4500.6	6045.1	5466.8
75°	262.7	0.4	231.1	1388.9	2755.2	3032.7	2551.9	2119.4	3779.6	5387.8	4913.5
76°	197.5	0.4	213.7	1299.4	2609.1	2925.4	1933.9	1311.3	2982.2	4672.2	4301.9
77°	150.1	0.5	237.9	1182.5	2394.8	2813.0	1315.9	632.1	2058.4	3881.7	3523.3
78°	162.2	0.5	271.9	1044.8	2120.8	2574.5	704.6	415.0	1167.7	3028.8	2526.3
79°	224.2	0.6	219.2	931.4	1791.8	1944.5	294.7	209.7	858.3	2198.6	1532.0
80°	235.3	0.7	166.6	871.0	1462.7	1314.6	220.3	177.7	555.5	1421.6	781.3
81°	188.6	0.8	113.9	814.9	1138.1	684.9	147.3	154.7	252.7	776.5	626.7
82°	142.0	0.9	60.5	695.0	950.7	505.9	118.3	133.6	210.0	578.2	488.7
83°	95.5	1.0	31.9	448.8	736.3	326.8	96.0	113.6	180.7	394.7	350.6
84°	55.6	1.1	25.3	323.7	482.6	148.9	77.9	94.0	153.7	211.3	307.9
85°	33.7	1.3	18.8	198.5	344.9	123.3	61.6	74.9	126.3	166.3	268.0
86°	25.9	1.5	12.4	76.6	207.2	98.8	46.9	56.3	98.6	132.2	226.9
87°	18.2	1.7	10.5	44.8	70.7	73.1	34.2	37.6	74.0	103.1	180.3
88°	10.5	1.9	8.6	31.1	48.5	50.3	24.1	22.0	53.6	77.9	122.9
89°	6.6	2.1	5.9	17.3	26.3	27.4	14.1	9.6	33.3	60.7	69.3



REPORT NUMBER: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5022.8	5022.8	5022.8
1°	5133.7	5146.1	5152.5
2°	5261.4	5289.3	5299.4
3°	5399.9	5444.5	5458.5
4°	5552.3	5617.2	5637.6
5°	5719.5	5805.5	5833.4
6°	5899.5	6012.5	6048.1
7°	6096.0	6232.8	6278.5
8°	6301.2	6469.6	6526.7
9°	6526.5	6724.2	6794.0
10°	6762.8	6997.5	7078.2
11°	7017.3	7290.3	7384.4
12°	7286.5	7598.7	7712.3
13°	7573.0	7931.4	8064.3
14°	7871.4	8279.8	8427.7
15°	8185.2	8639.2	8807.0
16°	8507.2	9009.7	9194.2
17°	8843.5	9386.6	9583.0
18°	9170.3	9759.5	9959.9
19°	9490.0	10115.0	10331.2
20°	9801.7	10457.7	10687.5
21°	10103.0	10784.5	11024.6
22°	10384.5	11087.4	11333.9
23°	10657.2	11387.2	11634.5
24°	10919.6	11678.2	11912.8
25°	11180.4	11950.9	12179.9
26°	11438.9	12204.6	12406.6
27°	11682.2	12420.9	12605.3
28°	11896.9	12608.5	12787.4
29°	12095.7	12799.4	12980.6
30°	12297.6	13014.0	13208.8
31°	12508.3	13211.2	13395.7
32°	12695.2	13353.6	13534.9
33°	12820.8	13420.4	13582.6
34°	12877.3	13403.7	13537.2
35°	12855.0	13301.1	13411.6
36°	12783.4	13153.2	13250.2
37°	12668.2	13000.5	13106.3
38°	12560.0	12901.9	13026.8
39°	12489.2	12846.3	12980.6
40°	12444.7	12815.3	12946.5
41°	12416.1	12789.0	12906.7
42°	12385.1	12758.8	12855.8
43°	12354.1	12724.6	12791.4
44°	12323.1	12679.3	12712.7



REPORT NUMBER: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12285.7	12617.3	12618.1
46°	12243.5	12540.1	12513.9
47°	12196.6	12455.9	12404.2
48°	12139.4	12364.4	12290.5
49°	12065.4	12272.2	12177.6
50°	11976.4	12176.8	12057.5
51°	11879.4	12071.0	11921.5
52°	11770.4	11948.6	11767.3
53°	11657.5	11799.9	11596.3
54°	11539.9	11624.1	11400.7
55°	11415.0	11416.6	11178.1
56°	11268.7	11180.4	10919.6
57°	11097.0	10917.3	10628.6
58°	10889.4	10605.6	10301.0
59°	10660.4	10267.6	9943.2
60°	10403.6	9901.1	9531.3
61°	10111.0	9485.2	9014.5
62°	9787.4	8981.9	8400.6
63°	9429.6	8400.6	7703.8
64°	9042.3	7767.3	6992.8
65°	8605.0	7140.6	6345.8
66°	8132.7	6557.0	5785.0
67°	7644.8	6033.1	5344.0
68°	7141.5	5557.5	4989.7
69°	6664.8	5133.1	4637.0
70°	6210.0	4713.9	4087.8
71°	5738.4	4196.4	3216.0
72°	5223.8	3474.5	2186.1
73°	4708.1	2564.2	1277.8
74°	4165.0	1699.5	721.6
75°	3477.6	1034.2	601.9
76°	2738.5	830.2	497.4
77°	2094.3	627.9	393.0
78°	1582.4	425.7	351.0
79°	1168.8	368.4	322.9
80°	789.0	329.0	297.5
81°	635.3	295.4	273.7
82°	483.4	267.2	250.9
83°	331.5	244.6	227.8
84°	277.7	218.0	203.8
85°	219.7	189.7	179.9
86°	175.5	163.8	155.1
87°	143.5	139.0	129.4
88°	113.7	114.9	106.1
89°	84.5	90.7	87.5



REPORT NUMBER: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-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: P1436827

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)