

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: P1436779

Luminaire Tested: XAS300-SFPM (3000K-180W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436779  
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 (3000K-180W-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 60% (180W)  
OPTICS - TYPE 4  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

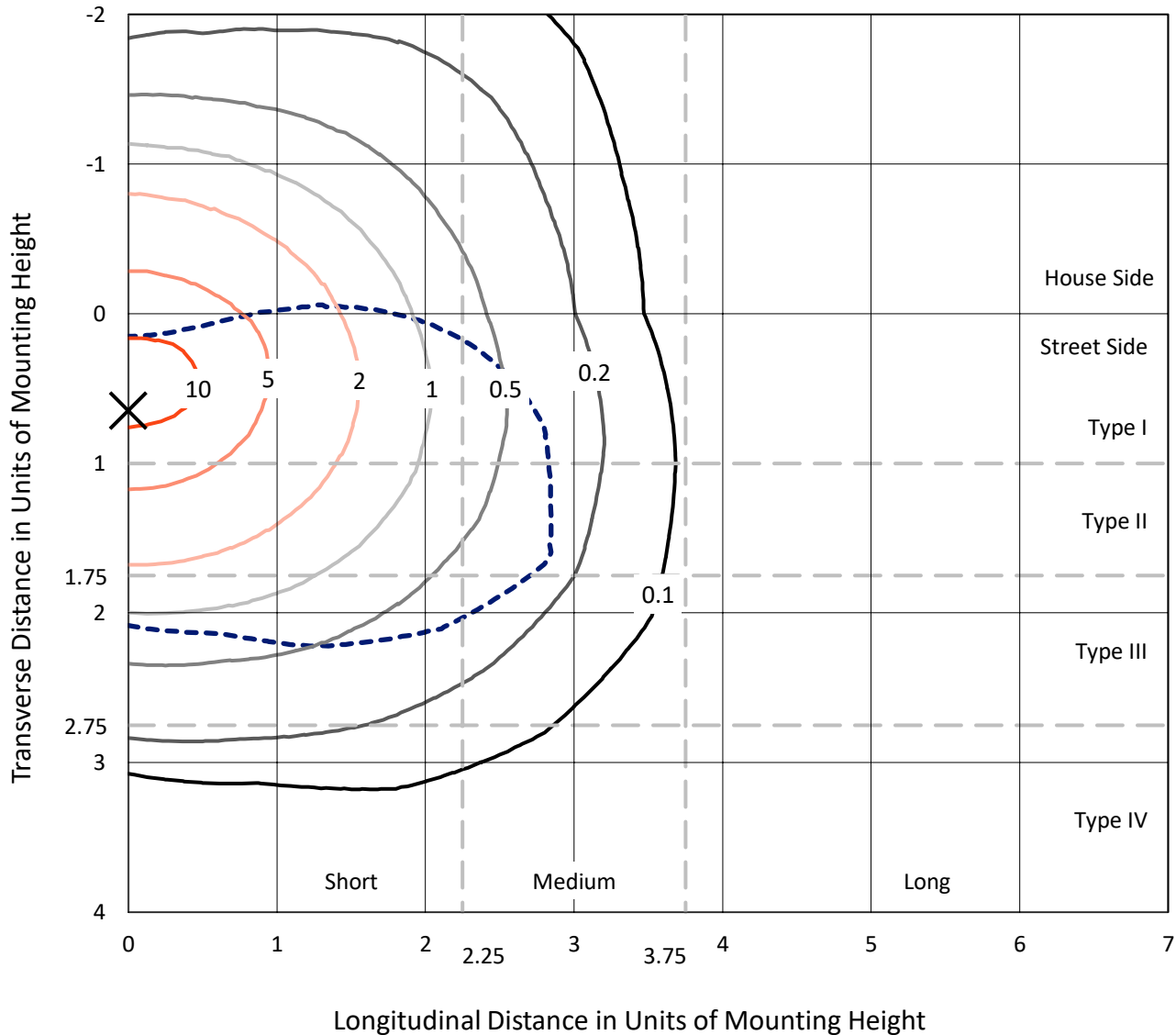
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 28755.2 lumens  
Efficiency: 74.9%  
Efficacy: 157.1 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 183  
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

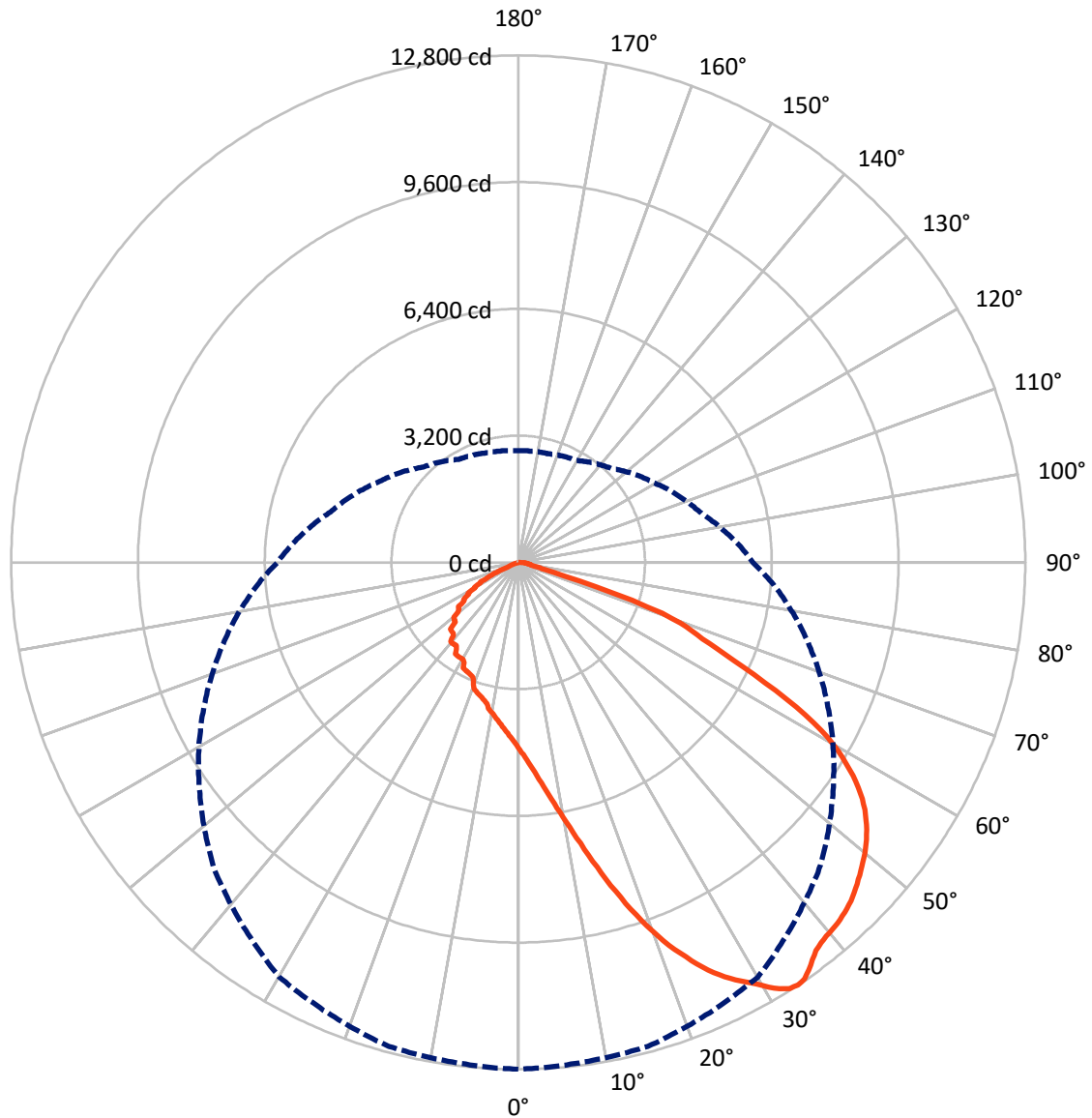
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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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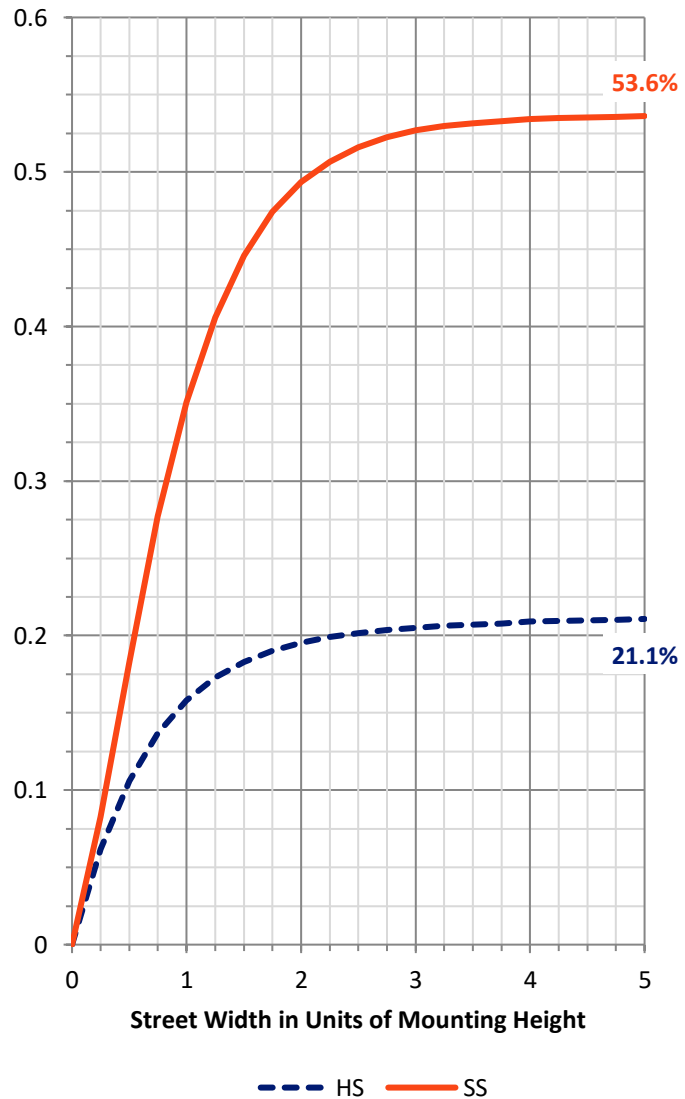
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8141.8	0.0	8141.8
	% Lamp	21.2	0.0	21.2
<b>Street Side</b>	Lumens	20613.4	0.0	20613.4
	% Lamp	53.7	0.0	53.7
<b>Total</b>	Lumens	28755.2	0.0	28755.2
	% Lamp	74.9	0.0	74.9

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	469.0	1.6	1.2
10°-20°	1579.5	5.5	4.1
20°-30°	2996.5	10.4	7.8
30°-40°	4414.8	15.4	11.5
40°-50°	5380.7	18.7	14.0
50°-60°	5885.8	20.5	15.3
60°-70°	5207.7	18.1	13.6
70°-80°	2579.8	9.0	6.7
80°-90°	241.4	0.8	0.6
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°	28755.2	100.0	74.9
0°-180°	28755.2	100.0	74.9

**Coefficient of Utilization**



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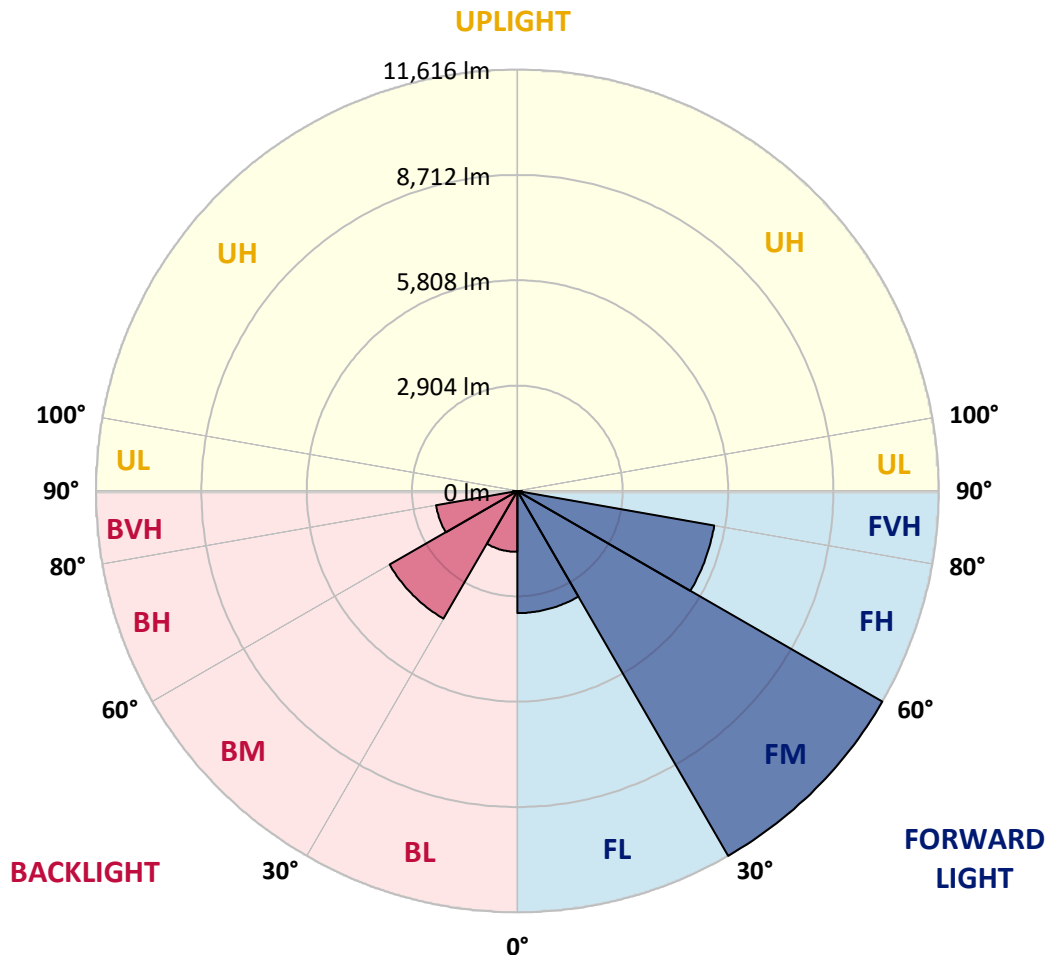
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3365.3	8.8			
FM (30°-60°)	11616.5	30.3			
FH (60°-80°)	5509.1	14.4			G3/7500
FVH (80°-90°)	122.5	0.3			G2/225
BL (0°-30°)	1679.7	4.4	B3/2500		
BM (30°-60°)	4064.8	10.6	B3/5000		
BH (60°-80°)	2278.4	5.9	B3/2500		G3/2500
BVH (80°-90°)	118.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	9620.8	25.1			

**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°	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2
1°	4855.4	4854.0	4842.6	4825.4	4801.6	4772.0	4726.4	4695.8	4667.1	4644.7	4627.9
2°	4993.9	4986.0	4958.8	4918.2	4865.5	4805.5	4726.8	4665.9	4611.2	4566.7	4533.8
3°	5143.8	5130.1	5085.6	5020.7	4935.5	4841.9	4731.4	4641.3	4561.8	4496.7	4448.9
4°	5312.6	5289.7	5227.2	5133.6	5014.9	4887.8	4742.2	4622.7	4516.5	4430.7	4370.8
5°	5497.1	5468.8	5382.0	5255.4	5104.1	4939.3	4759.0	4610.0	4476.8	4373.8	4298.3
6°	5699.4	5661.5	5553.3	5392.7	5199.3	4994.4	4776.6	4599.4	4442.3	4319.9	4227.8
7°	5916.5	5871.8	5737.8	5537.7	5301.3	5052.5	4797.5	4590.4	4410.7	4266.6	4163.1
8°	6150.4	6095.2	5935.5	5697.5	5410.5	5115.0	4821.2	4584.1	4381.0	4217.9	4104.5
9°	6402.3	6334.8	6149.2	5865.6	5528.2	5183.0	4848.8	4578.4	4351.2	4174.6	4048.7
10°	6670.2	6592.2	6372.6	6046.7	5651.5	5255.0	4877.1	4575.6	4321.4	4134.8	3996.2
11°	6958.6	6869.6	6618.2	6237.8	5783.2	5334.1	4909.2	4575.6	4295.3	4096.6	3947.4
12°	7267.6	7162.1	6876.0	6438.0	5921.3	5416.1	4932.2	4566.5	4273.2	4058.0	3903.8
13°	7599.4	7475.6	7143.0	6651.6	6071.2	5486.0	4954.4	4554.7	4241.3	4022.2	3862.2
14°	7941.8	7807.7	7426.0	6875.3	6226.6	5560.5	4985.7	4548.3	4211.6	3990.6	3801.6
15°	8299.2	8144.1	7720.0	7107.2	6371.6	5642.0	5019.8	4546.4	4183.3	3949.7	3719.8
16°	8664.1	8491.0	8019.7	7345.0	6525.9	5728.7	5065.3	4555.9	4160.5	3912.1	3681.7
17°	9030.5	8836.4	8326.2	7586.6	6682.8	5824.3	5105.0	4558.2	4145.3	3857.5	3652.6
18°	9385.7	9180.4	8626.6	7828.6	6838.2	5925.4	5150.0	4566.3	4125.8	3795.7	3626.1
19°	9735.6	9516.1	8925.6	8059.4	7005.5	6021.3	5202.7	4586.7	4114.8	3763.1	3603.9
20°	10071.3	9837.5	9214.8	8279.7	7168.5	6125.0	5260.7	4608.5	4111.5	3737.3	3580.1
21°	10389.0	10148.5	9490.6	8506.8	7341.1	6232.8	5319.9	4626.0	4111.2	3715.7	3552.5
22°	10680.5	10440.7	9755.1	8715.1	7500.4	6349.9	5369.0	4624.7	4100.2	3702.6	3521.8
23°	10963.7	10724.7	10015.8	8917.4	7668.3	6469.3	5397.3	4629.7	4077.7	3694.0	3495.2
24°	11225.9	10994.4	10266.1	9115.2	7832.4	6577.5	5434.9	4650.7	4051.9	3676.4	3362.5
25°	11477.7	11246.9	10508.1	9316.7	7991.2	6676.5	5489.0	4660.7	4034.9	3661.0	3262.0
26°	11691.3	11475.5	10744.9	9505.6	8155.3	6762.2	5545.2	4667.4	4016.9	3647.2	3239.9
27°	11878.6	11676.3	10969.7	9690.6	8318.7	6859.4	5581.1	4687.6	4019.4	3629.4	3224.5
28°	12050.2	11856.1	11178.0	9869.0	8480.5	6972.6	5633.4	4709.7	4023.2	3600.8	3208.3
29°	12232.2	12034.4	11362.3	10040.6	8628.1	7097.5	5696.4	4729.7	4020.0	3480.8	3186.1
30°	12447.3	12241.2	11551.9	10217.4	8768.3	7206.0	5766.1	4731.7	4002.1	3401.8	3163.8
31°	12623.4	12427.1	11750.5	10409.2	8885.1	7311.9	5832.1	4738.4	3999.8	3371.9	3149.3
32°	12754.5	12573.2	11934.8	10608.5	9016.3	7418.2	5883.6	4759.5	4002.4	3352.5	3131.8
33°	12799.5	12649.6	12090.6	10798.1	9173.6	7537.2	5930.6	4782.7	3990.0	3344.2	2965.3
34°	12756.8	12630.9	12176.1	10968.9	9333.2	7668.3	5991.3	4794.8	3986.0	3341.2	2931.1
35°	12638.4	12534.2	12164.1	11091.1	9483.8	7800.9	6063.7	4814.4	3989.4	3338.2	2917.1
36°	12486.3	12400.8	12081.6	11163.8	9619.5	7926.8	6135.8	4848.8	3985.5	3325.9	2909.7
37°	12350.6	12254.0	11968.5	11165.3	9701.9	8023.5	6187.2	4867.7	3981.5	3312.9	2913.9
38°	12275.7	12156.6	11856.1	11121.0	9747.6	8107.4	6238.2	4883.8	3966.1	3283.2	2916.3
39°	12232.2	12105.6	11778.2	11067.8	9753.6	8175.6	6312.7	4901.2	3861.6	3169.9	2910.0
40°	12200.0	12071.2	11734.7	11028.1	9731.8	8216.0	6379.7	4915.4	3806.3	3176.6	2876.8
41°	12162.6	12043.4	11707.0	11004.9	9726.6	8239.3	6426.8	4939.4	3823.7	3197.9	2762.4
42°	12114.6	12013.5	11681.5	10986.2	9741.6	8260.2	6455.5	4946.4	3847.2	3205.0	2766.9
43°	12053.9	11976.7	11654.5	10978.7	9761.8	8286.5	6471.2	4963.5	3851.5	3203.6	2761.8
44°	11979.7	11931.8	11623.1	10980.2	9788.0	8308.9	6478.5	4970.5	3839.2	3216.0	2734.9



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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	11890.6	11874.8	11582.6	10978.7	9818.8	8341.9	6493.9	4999.1	3853.6	3226.7	2716.3
46°	11792.4	11804.4	11535.4	10965.9	9842.7	8386.1	6514.8	4997.8	3873.3	3195.4	2626.6
47°	11689.0	11731.0	11480.7	10948.0	9862.2	8434.1	6522.8	4943.7	3870.9	3063.0	2522.2
48°	11581.9	11650.8	11419.3	10933.0	9882.5	8476.0	6556.9	4942.1	3883.7	3047.6	2521.4
49°	11475.5	11564.6	11347.3	10909.0	9905.7	8508.3	6595.4	4964.2	3824.1	3055.3	2512.5
50°	11362.3	11474.7	11269.4	10868.5	9916.2	8536.0	6630.4	4987.8	3747.9	3052.1	2501.0
51°	11234.2	11370.6	11181.7	10820.6	9929.7	8560.7	6660.2	4989.9	3750.6	3035.8	2363.3
52°	11088.8	11250.7	11084.3	10766.6	9946.1	8573.4	6670.8	5002.4	3733.6	2966.5	2332.7
53°	10927.7	11114.3	10979.4	10709.7	9951.4	8577.2	6628.9	5024.6	3757.2	2878.0	2342.3
54°	10743.4	10948.7	10864.8	10643.7	9940.2	8583.9	6582.6	5001.2	3768.7	2883.2	2348.4
55°	10533.6	10756.1	10742.6	10564.3	9912.4	8577.2	6566.5	4996.6	3768.5	2879.6	2263.0
56°	10290.1	10532.1	10601.8	10473.7	9875.0	8557.0	6557.2	4985.4	3751.3	2860.1	2198.5
57°	10015.8	10277.3	10438.4	10374.7	9831.5	8537.5	6543.4	4975.2	3700.2	2727.1	2199.9
58°	9707.1	9989.6	10247.4	10267.6	9776.1	8526.2	6500.7	4928.4	3674.5	2751.5	2149.4
59°	9369.9	9672.7	10041.3	10144.7	9715.4	8506.8	6464.8	4880.7	3676.0	2786.6	2044.6
60°	8981.8	9323.5	9802.3	10004.6	9638.9	8476.0	6421.3	4863.5	3673.9	2815.3	2049.5
61°	8494.8	8915.1	9538.5	9837.5	9541.5	8424.3	6369.8	4819.2	3658.4	2721.3	1947.8
62°	7916.3	8434.1	9236.6	9643.4	9431.4	8353.9	6285.2	4775.6	3615.2	2711.6	1927.1
63°	7259.6	7885.6	8897.1	9419.4	9302.5	8243.7	6190.2	4717.2	3620.2	2722.1	1885.0
64°	6589.7	7300.3	8509.7	9173.6	9151.1	8096.9	6073.6	4641.5	3597.2	2669.1	1806.3
65°	5980.0	6721.7	8086.4	8901.6	8982.6	7922.3	5961.3	4593.6	3515.3	2675.1	1741.2
66°	5451.5	6157.9	7633.8	8587.7	8786.2	7765.7	5815.7	4513.8	3506.8	2629.1	1711.9
67°	5035.9	5645.3	7173.9	8245.2	8562.9	7588.9	5647.6	4416.3	3537.2	2622.9	1616.8
68°	4702.0	5199.6	6712.8	7858.6	8304.4	7375.4	5399.8	4295.0	3567.5	2628.0	1547.6
69°	4369.7	4816.1	6244.8	7440.7	7995.7	7119.3	5154.1	4147.4	3534.8	2617.8	1478.4
70°	3852.1	4420.9	5782.8	7007.3	7645.8	6791.8	4775.6	3935.1	3454.0	2628.8	1409.9
71°	3030.6	3907.0	5332.4	6565.9	7265.4	6368.5	4275.7	3644.1	3391.0	2623.2	1385.7
72°	2060.0	3195.7	4878.7	6126.4	6854.6	5897.2	3785.9	3337.0	3322.2	2681.6	1376.2
73°	1204.1	2333.2	4386.6	5679.6	6408.1	5326.3	3327.5	3065.9	3184.6	2656.9	1333.9
74°	680.0	1492.9	3847.4	5224.2	5903.8	4706.2	2904.7	2840.8	3042.1	2649.7	1339.6
75°	567.2	877.6	3246.2	4725.4	5348.2	4034.7	2400.8	2606.2	2913.6	2627.4	1312.2
76°	468.8	711.8	2576.8	4151.4	4710.1	3320.4	1688.4	2269.9	2805.5	2563.9	1246.5
77°	370.3	548.8	1943.2	3436.3	3992.2	2463.1	977.9	1698.3	2705.4	2432.4	1147.2
78°	330.8	385.9	1456.3	2557.4	3185.0	1569.5	452.1	1126.7	2622.8	2219.0	1015.9
79°	304.3	340.4	1065.1	1629.2	2374.4	822.1	225.6	557.5	2378.1	1855.6	880.5
80°	280.4	305.6	767.4	882.1	1591.1	620.2	194.2	415.2	1763.5	1492.0	773.8
81°	257.9	274.8	614.0	687.0	900.0	419.8	162.8	272.9	1148.9	1130.8	790.5
82°	236.4	248.3	462.5	510.4	667.5	219.4	131.4	132.6	538.6	926.2	742.6
83°	214.7	225.3	311.1	333.7	441.1	181.7	112.3	105.2	404.7	790.2	594.6
84°	192.1	201.2	262.8	293.0	214.8	155.0	93.7	82.6	270.7	625.3	409.1
85°	169.5	177.0	209.4	255.5	169.0	128.0	75.7	64.0	137.2	445.1	270.3
86°	146.1	153.4	164.4	217.7	135.3	100.5	58.1	48.5	115.2	356.8	192.0
87°	122.0	131.0	135.7	175.3	106.3	75.6	41.5	35.6	90.1	268.4	113.8
88°	100.0	108.5	108.7	125.5	81.1	56.8	29.3	25.4	58.9	180.0	69.3
89°	82.5	85.9	82.3	73.9	62.2	38.2	17.1	15.2	40.7	91.6	47.4



REPORT NUMBER: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2	4733.2
1°	4619.0	4617.5	4625.3	4641.1	4661.8	4689.5	4718.7	4736.4	4764.8	4792.6	4817.4
2°	4515.9	4511.4	4523.7	4550.8	4589.5	4640.0	4696.7	4746.6	4805.2	4864.1	4916.1
3°	4421.2	4414.2	4429.2	4465.7	4521.3	4594.0	4678.5	4759.1	4849.7	4940.3	5023.4
4°	4334.5	4324.8	4344.0	4387.8	4458.5	4552.1	4662.4	4776.6	4899.9	5024.0	5138.8
5°	4252.6	4240.5	4262.5	4315.9	4400.5	4513.8	4649.7	4795.2	4951.3	5114.9	5266.2
6°	4174.5	4160.4	4184.1	4244.4	4344.6	4477.3	4639.7	4817.2	5007.1	5209.7	5402.4
7°	4101.3	4085.6	4111.5	4179.2	4288.5	4443.6	4631.2	4841.3	5067.7	5313.0	5547.0
8°	4034.4	4014.7	4043.6	4120.7	4239.1	4410.3	4624.0	4866.0	5131.8	5422.1	5701.3
9°	3968.6	3944.9	3977.3	4062.9	4195.0	4377.0	4616.9	4893.5	5198.9	5537.6	5868.1
10°	3906.5	3880.9	3915.5	4006.8	4152.6	4345.5	4613.5	4923.5	5270.5	5659.2	6044.7
11°	3851.7	3823.4	3857.4	3955.6	4111.3	4318.8	4612.7	4959.7	5347.5	5789.4	6233.8
12°	3802.7	3761.6	3804.2	3908.3	4072.5	4297.7	4601.4	4983.0	5429.3	5926.3	6432.6
13°	3711.3	3649.1	3713.5	3863.2	4034.0	4264.5	4595.3	5012.3	5499.0	6074.5	6645.1
14°	3639.0	3601.6	3639.7	3803.2	4000.5	4236.4	4589.0	5038.9	5574.2	6224.3	6865.6
15°	3601.1	3560.5	3599.1	3715.4	3959.4	4210.7	4589.3	5075.6	5652.4	6368.2	7101.1
16°	3565.1	3522.6	3562.1	3678.8	3924.0	4192.2	4593.0	5121.4	5739.5	6521.2	7341.2
17°	3533.7	3487.2	3530.6	3649.1	3878.5	4172.8	4600.5	5162.5	5841.0	6678.8	7591.1
18°	3499.7	3447.5	3495.9	3623.1	3818.4	4158.7	4613.4	5209.6	5931.5	6845.4	7830.9
19°	3465.5	3409.9	3462.8	3602.8	3779.5	4155.1	4635.4	5268.7	6034.1	7013.5	8065.4
20°	3431.1	3368.4	3431.4	3579.2	3755.6	4157.0	4658.4	5330.6	6137.3	7190.7	8299.9
21°	3392.2	3225.8	3396.6	3551.0	3740.1	4157.2	4674.3	5386.1	6253.8	7363.4	8522.5
22°	3217.4	3121.1	3231.9	3524.3	3730.8	4148.3	4679.0	5435.2	6373.7	7537.2	8735.3
23°	3149.4	3092.0	3163.7	3503.5	3722.4	4133.3	4694.4	5471.1	6490.0	7711.7	8947.3
24°	3124.5	3071.8	3141.7	3371.8	3706.5	4119.0	4722.4	5517.3	6598.1	7883.3	9156.4
25°	3108.6	3055.0	3126.5	3283.3	3691.3	4106.7	4734.2	5580.5	6694.0	8056.4	9350.5
26°	3093.7	3037.3	3113.4	3269.5	3682.2	4086.9	4750.8	5635.0	6793.2	8227.3	9548.3
27°	3077.5	3024.4	3099.4	3257.7	3661.9	4095.4	4777.6	5682.6	6903.6	8397.4	9739.3
28°	3065.6	3008.7	3088.6	3240.6	3637.4	4101.6	4804.3	5743.1	7030.5	8556.2	9932.7
29°	3051.6	2876.5	3075.9	3220.0	3521.5	4090.6	4821.4	5815.1	7158.3	8711.3	10120.0
30°	2900.1	2822.3	2922.2	3202.6	3445.1	4075.4	4825.8	5888.8	7267.3	8855.2	10310.3
31°	2856.5	2816.5	2880.1	3187.3	3414.8	4075.2	4845.1	5956.4	7394.0	8998.3	10513.4
32°	2848.7	2816.7	2872.5	3169.1	3401.3	4078.6	4874.3	6011.6	7531.2	9152.6	10699.2
33°	2843.9	2815.5	2868.5	3002.7	3397.3	4064.6	4906.0	6081.9	7680.3	9307.7	10880.5
34°	2838.3	2809.6	2862.1	2969.1	3395.2	4063.4	4919.5	6164.9	7813.7	9464.4	11032.6
35°	2828.4	2804.0	2852.2	2954.8	3392.1	4063.6	4949.1	6246.8	7931.3	9611.2	11133.8
36°	2817.4	2697.5	2839.8	2949.5	3377.8	4058.9	4984.2	6325.5	8033.9	9710.1	11169.7
37°	2706.2	2621.4	2714.2	2954.2	3366.3	4052.3	5007.0	6379.1	8118.6	9764.1	11157.0
38°	2616.5	2623.1	2639.0	2954.6	3331.3	4038.6	5026.4	6436.6	8183.8	9777.6	11105.3
39°	2610.3	2630.6	2632.1	2953.9	3222.0	3938.4	5031.5	6497.9	8228.8	9765.6	11046.1
40°	2608.8	2633.9	2627.2	2912.9	3240.1	3887.1	5037.4	6538.1	8255.7	9758.8	11004.9
41°	2595.2	2621.8	2611.2	2809.8	3262.8	3902.9	5043.0	6566.9	8269.2	9765.6	10980.9
42°	2566.7	2476.9	2582.7	2813.8	3261.2	3923.1	5050.1	6592.8	8293.2	9779.8	10976.4
43°	2424.0	2427.5	2442.9	2802.6	3264.6	3910.5	5065.8	6614.3	8318.7	9800.0	10986.2
44°	2367.5	2423.7	2392.7	2776.1	3274.9	3902.9	5081.4	6629.5	8353.9	9823.3	10990.7

REPORT NUMBER: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2362.8	2415.6	2388.7	2758.2	3285.4	3917.9	5108.6	6654.8	8395.1	9845.7	10987.7
46°	2354.6	2400.4	2378.1	2648.5	3237.6	3943.2	5089.2	6671.7	8437.8	9875.0	10984.7
47°	2332.9	2192.7	2360.4	2574.1	3117.8	3947.1	5040.1	6686.9	8473.8	9907.9	10974.9
48°	2152.5	2173.0	2182.2	2573.8	3108.5	3961.2	5048.7	6722.2	8504.5	9934.2	10956.2
49°	2142.1	2157.1	2178.4	2560.0	3116.9	3884.6	5073.0	6753.5	8536.7	9954.4	10922.5
50°	2140.4	2141.5	2179.0	2553.1	3109.1	3835.2	5092.5	6780.0	8565.2	9974.6	10879.0
51°	2138.0	1971.3	2179.3	2408.2	3096.0	3839.4	5095.3	6800.8	8580.2	9985.1	10834.1
52°	2008.0	1910.9	2040.6	2388.6	2992.0	3831.3	5107.1	6799.0	8585.4	9986.6	10786.1
53°	1967.4	1898.6	2006.0	2400.3	2944.5	3857.1	5121.7	6742.5	8591.4	9976.1	10727.7
54°	1955.7	1873.8	1993.7	2410.9	2951.8	3859.8	5102.4	6691.1	8582.4	9949.9	10660.2
55°	1930.2	1674.7	1958.3	2304.3	2951.4	3860.7	5097.9	6672.1	8559.2	9913.9	10589.0
56°	1768.2	1673.6	1806.4	2262.1	2931.0	3855.4	5080.4	6659.2	8532.2	9875.7	10504.4
57°	1771.4	1576.1	1811.9	2263.0	2814.2	3788.7	5067.9	6640.2	8512.7	9826.3	10401.0
58°	1660.7	1480.0	1691.1	2189.6	2845.9	3779.4	4998.5	6592.5	8488.0	9765.6	10276.6
59°	1595.9	1484.0	1638.6	2118.3	2884.8	3779.8	4970.5	6546.9	8455.1	9694.4	10133.5
60°	1540.6	1268.9	1585.3	2131.1	2910.5	3774.4	4929.7	6488.1	8404.1	9606.0	9976.1
61°	1485.1	1271.7	1531.9	2019.5	2820.1	3747.1	4878.6	6439.1	8338.9	9506.3	9805.3
62°	1425.9	1078.0	1476.0	2010.4	2816.0	3702.3	4821.3	6357.3	8231.0	9384.9	9615.0
63°	1240.5	1070.4	1288.6	1953.9	2809.1	3699.1	4753.9	6258.8	8091.6	9242.6	9396.9
64°	1228.5	836.4	1263.2	1893.8	2774.6	3663.1	4680.7	6135.5	7921.6	9080.0	9145.9
65°	1042.0	741.0	1083.0	1818.5	2785.5	3572.1	4607.3	6012.5	7762.0	8894.9	8858.9
66°	905.5	599.7	933.2	1806.3	2739.9	3585.6	4517.4	5833.5	7582.9	8685.8	8544.2
67°	823.9	399.4	815.4	1711.5	2732.5	3608.1	4401.7	5639.3	7374.5	8451.3	8195.0
68°	651.7	199.1	672.6	1634.3	2725.0	3621.0	4256.6	5350.0	7135.8	8179.3	7829.4
69°	433.4	0.5	452.6	1557.2	2715.1	3545.2	4086.7	5033.5	6838.4	7872.1	7434.5
70°	419.8	0.4	435.5	1481.7	2728.2	3445.8	3826.1	4571.9	6477.4	7521.4	7005.2
71°	418.9	0.4	420.2	1460.2	2715.3	3352.6	3491.0	4035.7	6008.8	7136.8	6543.3
72°	398.6	0.4	388.9	1442.0	2767.7	3257.0	3177.2	3543.0	5504.5	6720.7	6089.3
73°	358.3	0.4	332.4	1385.9	2723.2	3104.7	2938.5	3099.2	4892.9	6244.5	5624.5
74°	308.6	0.4	263.6	1364.7	2660.5	2964.9	2727.4	2630.0	4241.1	5696.6	5151.6
75°	247.6	0.4	217.8	1308.8	2596.3	2857.9	2404.8	1997.2	3561.7	5077.2	4630.2
76°	186.1	0.4	201.4	1224.5	2458.7	2756.7	1822.4	1235.7	2810.3	4402.8	4053.8
77°	141.5	0.4	224.2	1114.3	2256.7	2650.9	1240.0	595.7	1939.7	3657.9	3320.2
78°	152.9	0.5	256.2	984.6	1998.5	2426.1	664.0	391.1	1100.3	2854.1	2380.7
79°	211.3	0.5	206.6	877.7	1688.5	1832.4	277.7	197.6	808.8	2071.8	1443.7
80°	221.8	0.6	157.0	820.8	1378.4	1238.8	207.6	167.5	523.5	1339.7	736.2
81°	177.8	0.7	107.3	767.9	1072.5	645.4	138.8	145.8	238.1	731.7	590.6
82°	133.8	0.8	57.0	654.9	895.9	476.7	111.4	125.9	197.9	544.8	460.5
83°	90.0	0.9	30.0	423.0	693.8	308.0	90.5	107.0	170.3	372.0	330.4
84°	52.4	1.1	23.9	305.0	454.8	140.3	73.4	88.5	144.9	199.1	290.2
85°	31.7	1.2	17.7	187.1	325.0	116.2	58.0	70.6	119.1	156.7	252.5
86°	24.4	1.4	11.7	72.2	195.2	93.1	44.2	53.0	92.9	124.6	213.8
87°	17.2	1.6	9.9	42.2	66.6	68.9	32.2	35.4	69.7	97.2	169.9
88°	9.9	1.8	8.1	29.3	45.7	47.4	22.8	20.8	50.5	73.4	115.8
89°	6.2	2.0	5.6	16.3	24.8	25.8	13.3	9.1	31.3	57.2	65.3



REPORT NUMBER: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	4733.2	4733.2	4733.2
1°	4837.7	4849.4	4855.4
2°	4958.1	4984.4	4993.9
3°	5088.5	5130.6	5143.8
4°	5232.2	5293.3	5312.6
5°	5389.8	5470.8	5497.1
6°	5559.4	5665.9	5699.4
7°	5744.5	5873.4	5916.5
8°	5937.9	6096.6	6150.4
9°	6150.2	6336.5	6402.3
10°	6372.9	6594.0	6670.2
11°	6612.7	6870.0	6958.6
12°	6866.4	7160.6	7267.6
13°	7136.4	7474.1	7599.4
14°	7417.6	7802.4	7941.8
15°	7713.2	8141.1	8299.2
16°	8016.7	8490.3	8664.1
17°	8333.7	8845.4	9030.5
18°	8641.6	9196.9	9385.7
19°	8942.8	9531.8	9735.6
20°	9236.6	9854.7	10071.3
21°	9520.5	10162.7	10389.0
22°	9785.8	10448.2	10680.5
23°	10042.8	10730.7	10963.7
24°	10290.1	11004.9	11225.9
25°	10535.8	11261.9	11477.7
26°	10779.4	11500.9	11691.3
27°	11008.6	11704.7	11878.6
28°	11211.0	11881.6	12050.2
29°	11398.3	12061.4	12232.2
30°	11588.6	12263.7	12447.3
31°	11787.2	12449.5	12623.4
32°	11963.3	12583.7	12754.5
33°	12081.6	12646.6	12799.5
34°	12134.8	12630.9	12756.8
35°	12113.9	12534.2	12638.4
36°	12046.4	12394.8	12486.3
37°	11937.8	12251.0	12350.6
38°	11835.9	12158.1	12275.7
39°	11769.2	12105.6	12232.2
40°	11727.2	12076.4	12200.0
41°	11700.2	12051.7	12162.6
42°	11671.0	12023.2	12114.6
43°	11641.8	11991.0	12053.9
44°	11612.6	11948.3	11979.7



REPORT NUMBER: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	11577.4	11889.8	11890.6
46°	11537.7	11817.1	11792.4
47°	11493.4	11737.7	11689.0
48°	11439.5	11651.5	11581.9
49°	11369.8	11564.6	11475.5
50°	11285.9	11474.7	11362.3
51°	11194.5	11375.1	11234.2
52°	11091.8	11259.7	11088.8
53°	10985.4	11119.5	10927.7
54°	10874.5	10954.0	10743.4
55°	10756.9	10758.4	10533.6
56°	10619.0	10535.8	10290.1
57°	10457.2	10287.8	10015.8
58°	10261.6	9994.1	9707.1
59°	10045.8	9675.7	9369.9
60°	9803.8	9330.2	8981.8
61°	9528.0	8938.3	8494.8
62°	9223.1	8464.0	7916.3
63°	8885.9	7916.3	7259.6
64°	8521.0	7319.5	6589.7
65°	8108.9	6728.9	5980.0
66°	7663.8	6178.9	5451.5
67°	7204.0	5685.3	5035.9
68°	6729.8	5237.1	4702.0
69°	6280.5	4837.2	4369.7
70°	5852.0	4442.1	3852.1
71°	5407.5	3954.5	3030.6
72°	4922.6	3274.2	2060.0
73°	4436.7	2416.3	1204.1
74°	3924.9	1601.5	680.0
75°	3277.1	974.5	567.2
76°	2580.6	782.3	468.8
77°	1973.6	591.7	370.3
78°	1491.2	401.1	330.8
79°	1101.4	347.2	304.3
80°	743.5	310.1	280.4
81°	598.7	278.3	257.9
82°	455.5	251.8	236.4
83°	312.4	230.5	214.7
84°	261.6	205.4	192.1
85°	207.0	178.8	169.5
86°	165.4	154.3	146.1
87°	135.2	131.0	122.0
88°	107.1	108.2	100.0
89°	79.7	85.5	82.5



REPORT NUMBER: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436779

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)