

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: P1436831

Luminaire Tested: XAS300-SFPM (5000K-240W-T3)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436831  
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-240W-T3)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 80% (240W)  
OPTICS - TYPE 3  
Light Source: 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

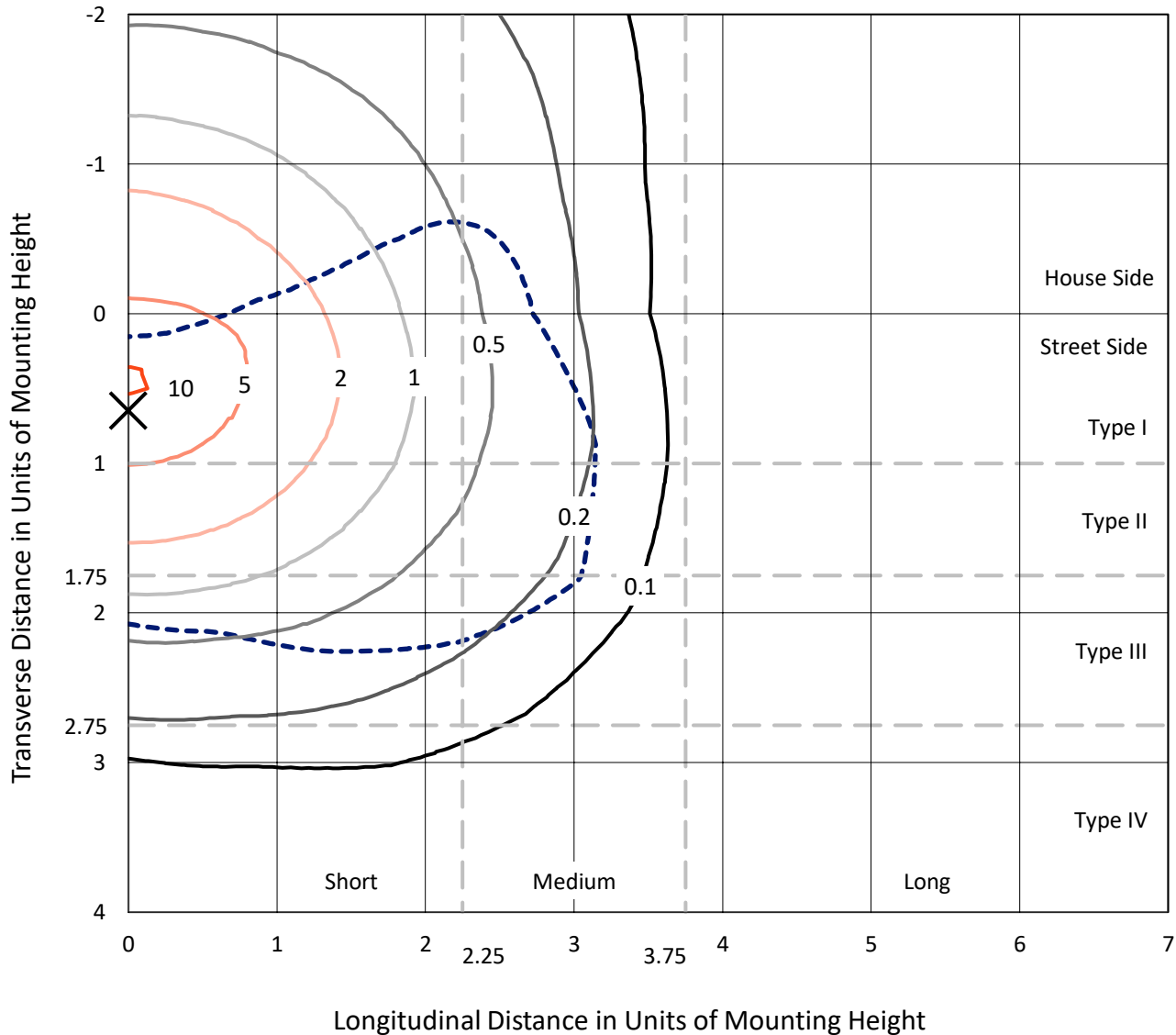
Lumens per Lamp: 45292 (1 lamp)  
Luminaire Lumens: 37480.7 lumens  
Efficiency: 82.8%  
Efficacy: 151.1 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B5 - U0 - G5

Input Watts (W): 248.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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### Iso-Footcandle Lines of Horizontal Illumination

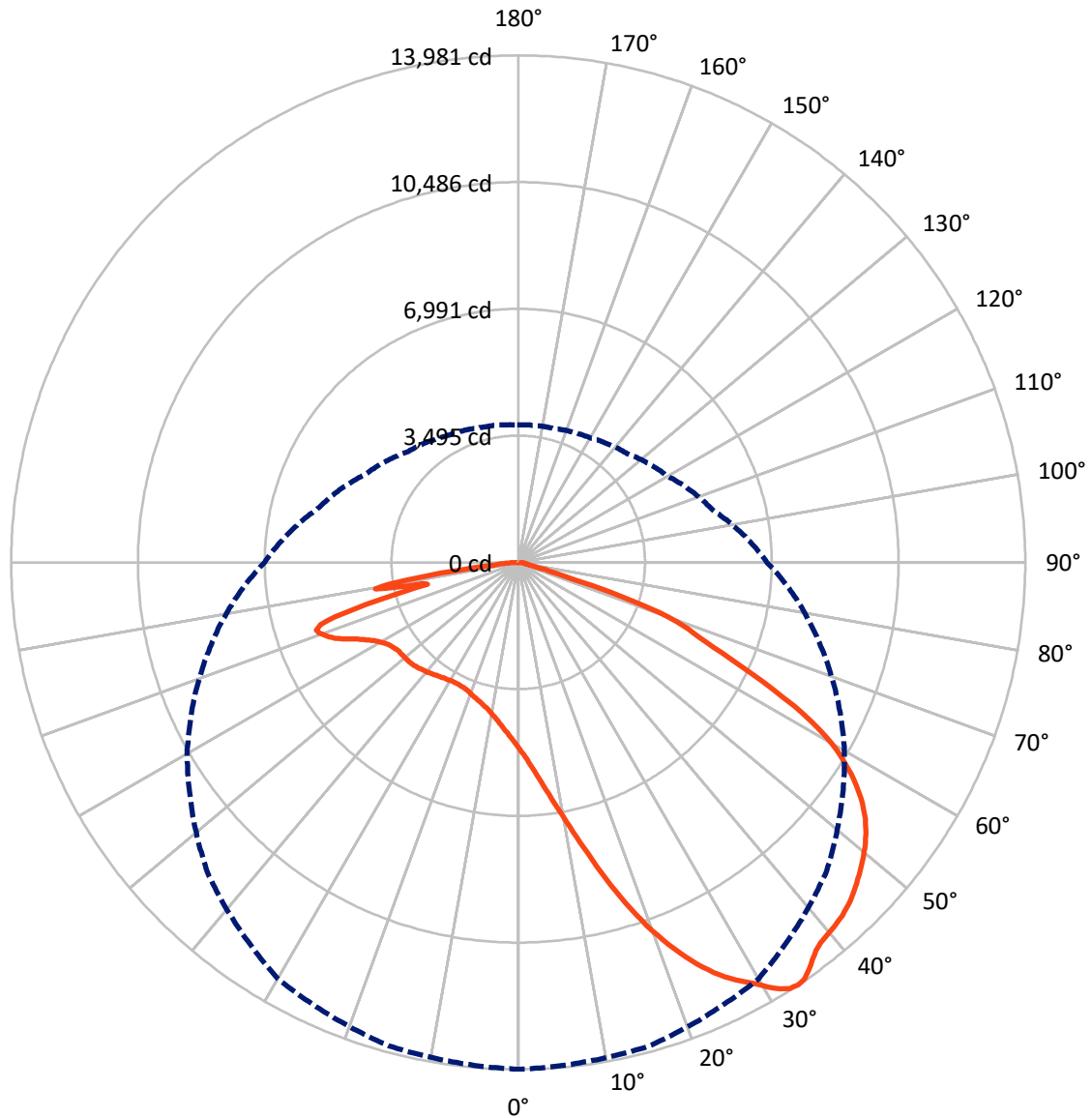
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.2 fc  
 Type III - Short - Semi-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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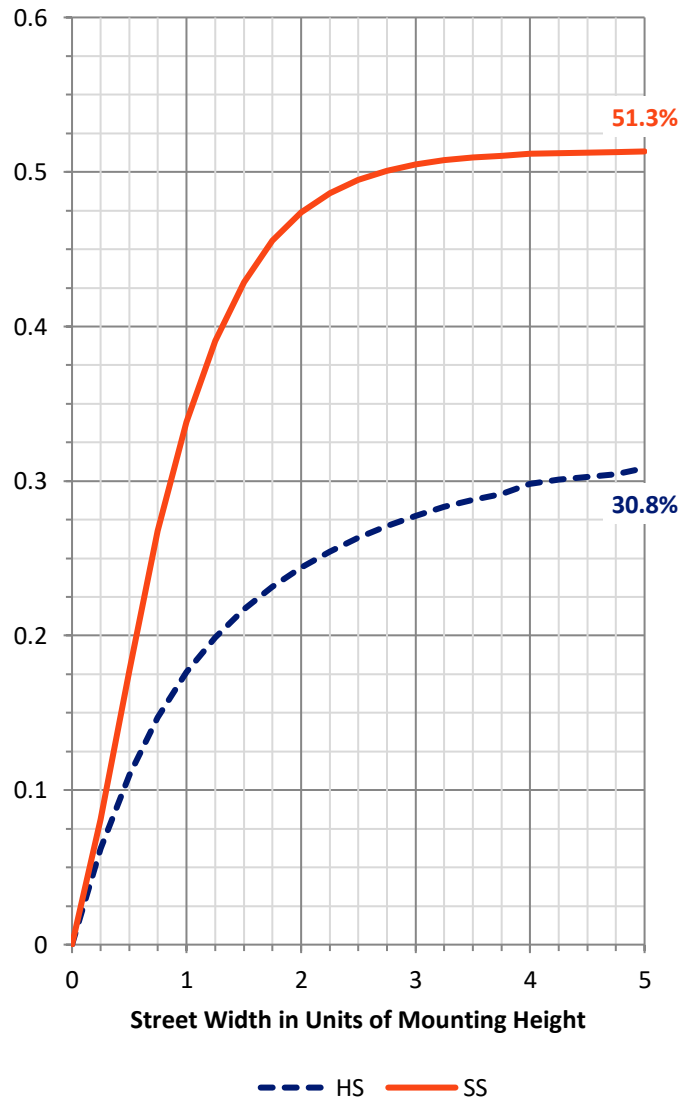
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14212.7	0.0	14212.7
	% Lamp	31.4	0.0	31.4
<b>Street Side</b>	Lumens	23268.0	0.0	23268.0
	% Lamp	51.4	0.0	51.4
<b>Total</b>	Lumens	37480.7	0.0	37480.7
	% Lamp	82.8	0.0	82.8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	511.5	1.4	1.1
10°-20°	1738.4	4.6	3.8
20°-30°	3366.5	9.0	7.4
30°-40°	5089.9	13.6	11.2
40°-50°	6424.2	17.1	14.2
50°-60°	7410.3	19.8	16.4
60°-70°	7387.1	19.7	16.3
70°-80°	4817.3	12.9	10.6
80°-90°	735.5	2.0	1.6
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°	37480.7	100.0	82.8
0°-180°	37480.7	100.0	82.8

**Coefficient of Utilization**



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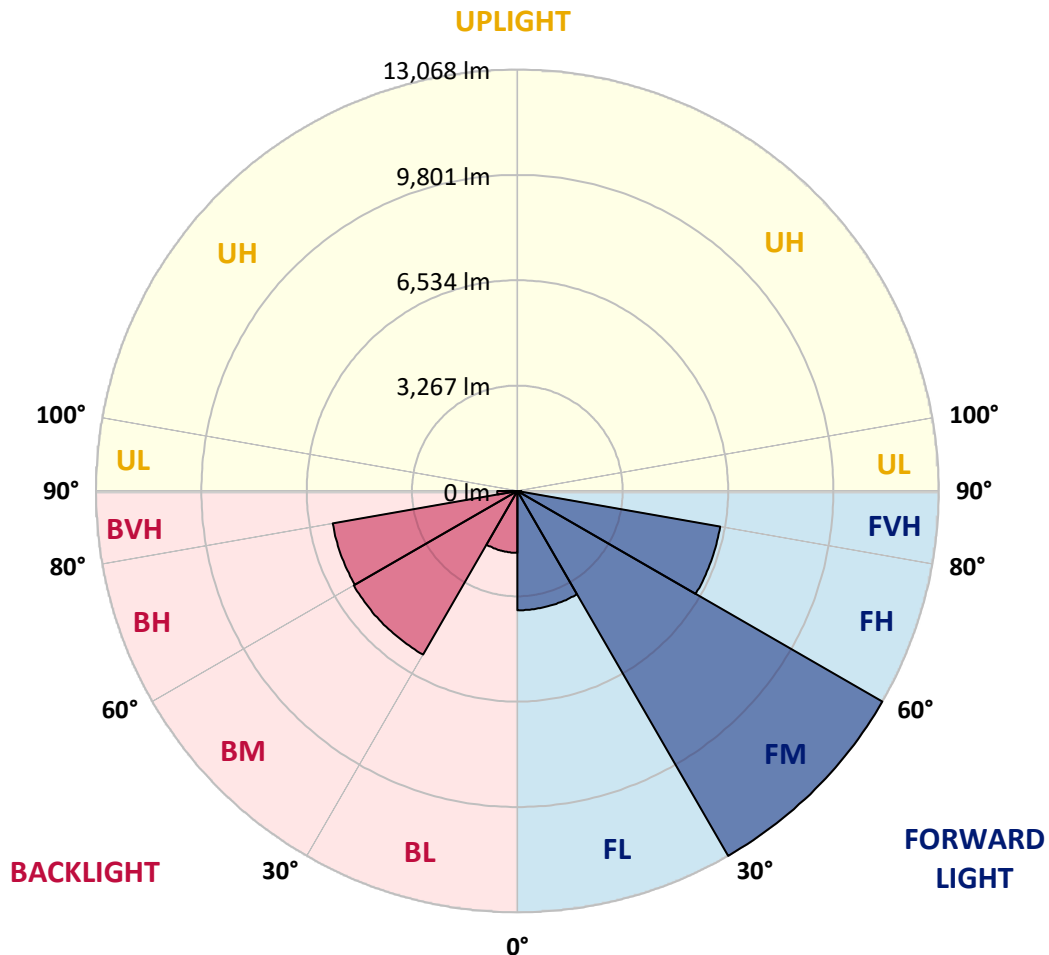
CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

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

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3698.7	8.2			
FM (30°-60°)	13068.0	28.9			
FH (60°-80°)	6388.1	14.1			G3/7500
FVH (80°-90°)	113.2	0.2			G2/225
BL (0°-30°)	1917.6	4.2	B3/2500		
BM (30°-60°)	5856.4	12.9	B4/8500		
BH (60°-80°)	5816.4	12.8	B5		G5
BVH (80°-90°)	622.3	1.4			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	7811.3	17.2			

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5
1°	5289.8	5288.2	5275.9	5258.3	5233.3	5203.7	5145.4	5112.6	5084.7	5061.2	5044.5
2°	5437.5	5430.2	5402.4	5357.3	5301.3	5238.6	5146.4	5081.4	5024.9	4977.9	4944.9
3°	5601.7	5585.4	5538.0	5465.8	5376.5	5278.4	5151.2	5055.4	4971.1	4902.8	4853.5
4°	5785.3	5758.6	5691.0	5589.1	5461.3	5325.2	5161.9	5034.1	4924.6	4835.0	4772.9
5°	5983.8	5950.6	5857.7	5719.0	5556.1	5379.4	5178.8	5019.2	4881.9	4774.7	4698.5
6°	6204.6	6161.6	6043.0	5866.4	5657.7	5436.3	5197.2	5006.5	4845.2	4719.6	4625.1
7°	6440.6	6392.0	6245.0	6025.1	5766.2	5498.0	5218.2	4996.7	4811.3	4663.9	4554.5
8°	6695.6	6631.4	6458.9	6196.5	5883.7	5564.9	5244.3	4990.3	4780.4	4611.4	4490.7
9°	6970.4	6895.7	6692.3	6379.0	6008.9	5638.2	5274.6	4985.9	4749.0	4563.1	4430.4
10°	7265.1	7176.9	6935.3	6576.4	6144.3	5716.7	5308.3	4984.6	4720.9	4520.2	4375.3
11°	7584.7	7481.0	7201.3	6785.5	6286.6	5800.8	5343.8	4985.4	4693.5	4479.1	4324.6
12°	7916.8	7799.0	7481.5	7003.8	6439.5	5890.6	5384.2	4990.2	4670.7	4441.2	4280.0
13°	8279.6	8147.0	7775.2	7235.0	6601.5	5985.3	5429.9	4997.0	4650.9	4405.8	4238.8
14°	8661.9	8509.6	8088.5	7479.7	6772.8	6086.6	5482.0	5007.4	4632.4	4374.2	4202.3
15°	9053.3	8882.0	8409.5	7731.9	6947.8	6190.8	5536.1	5021.7	4618.7	4345.7	4170.8
16°	9452.2	9259.4	8738.8	7994.6	7132.9	6301.5	5594.0	5039.1	4608.0	4320.1	4140.1
17°	9851.9	9638.4	9070.7	8258.0	7324.8	6421.1	5654.8	5058.3	4598.8	4298.2	4114.3
18°	10244.1	10016.6	9405.0	8526.2	7521.8	6543.5	5719.6	5081.8	4592.6	4280.0	4091.1
19°	10627.3	10383.2	9731.1	8793.5	7715.9	6668.5	5786.8	5108.5	4592.1	4263.9	4071.6
20°	10993.1	10740.7	10048.8	9055.0	7914.0	6795.9	5856.6	5137.5	4593.8	4252.5	4055.3
21°	11342.3	11084.1	10357.5	9315.6	8112.8	6927.4	5926.9	5167.9	4597.4	4243.4	4039.4
22°	11660.1	11401.9	10647.1	9568.0	8309.3	7058.5	5998.6	5200.2	4605.3	4236.2	4025.6
23°	11970.4	11713.0	10930.2	9814.6	8511.3	7194.7	6069.3	5231.8	4613.7	4231.9	4015.8
24°	12257.5	12002.7	11205.7	10051.3	8702.4	7325.9	6140.0	5263.1	4623.7	4228.9	4006.0
25°	12532.3	12284.9	11472.2	10284.7	8890.3	7458.7	6211.1	5292.1	4635.6	4228.3	3997.6
26°	12769.0	12533.9	11731.2	10511.4	9077.3	7597.1	6282.6	5323.0	4649.3	4227.5	3989.2
27°	12976.7	12755.7	11978.7	10729.1	9266.8	7736.2	6355.2	5353.8	4662.5	4227.5	3981.6
28°	13163.7	12951.9	12204.6	10949.2	9447.2	7872.8	6430.9	5383.3	4675.1	4228.7	3975.1
29°	13360.7	13140.5	12416.4	11162.7	9624.3	8017.4	6509.9	5414.9	4687.9	4228.9	3971.3
30°	13598.2	13365.6	12633.2	11378.7	9800.6	8165.8	6592.5	5448.5	4702.7	4229.7	3969.6
31°	13792.6	13574.2	12862.5	11599.6	9984.3	8311.0	6678.3	5483.2	4718.9	4232.9	3968.5
32°	13934.1	13734.7	13077.6	11817.3	10178.8	8455.0	6767.2	5521.1	4736.4	4238.4	3968.0
33°	13981.3	13822.4	13257.2	12026.7	10386.5	8599.0	6858.7	5557.2	4753.3	4243.7	3966.9
34°	13935.0	13805.9	13368.1	12221.1	10589.2	8762.8	6953.0	5600.9	4769.7	4250.9	3966.9
35°	13804.2	13697.5	13380.5	12367.6	10758.0	8935.0	7050.4	5647.3	4788.9	4260.4	3970.5
36°	13634.6	13555.1	13311.0	12452.0	10907.8	9105.4	7150.0	5696.2	4812.2	4272.6	3980.5
37°	13485.6	13389.6	13200.1	12463.6	11017.1	9245.3	7252.0	5740.4	4837.2	4289.7	3997.4
38°	13402.0	13277.9	13085.1	12419.7	11090.7	9366.1	7356.3	5784.6	4863.6	4313.1	4022.0
39°	13353.2	13218.3	12996.5	12365.1	11118.0	9461.3	7461.8	5831.9	4892.2	4342.6	4049.3
40°	13315.1	13178.6	12948.5	12327.9	11108.9	9524.2	7551.9	5882.3	4923.8	4376.9	4080.1
41°	13272.1	13146.3	12921.2	12306.4	11106.4	9557.3	7622.9	5940.4	4959.9	4414.9	4110.7
42°	13218.3	13110.7	12901.4	12305.5	11121.3	9586.2	7675.0	5990.2	4998.2	4454.6	4139.1
43°	13151.3	13070.2	12878.2	12321.3	11145.3	9623.5	7712.1	6029.8	5042.6	4497.9	4164.3
44°	13070.2	13020.5	12850.1	12339.5	11175.9	9679.8	7747.6	6065.8	5088.1	4540.5	4187.4

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CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12970.9	12956.8	12814.5	12351.9	11218.2	9741.0	7789.9	6106.3	5133.7	4583.9	4207.6
46°	12860.8	12880.7	12769.8	12356.8	11264.5	9802.2	7839.2	6149.3	5179.2	4626.2	4225.0
47°	12745.8	12796.3	12714.3	12353.5	11315.8	9865.1	7889.9	6198.7	5223.4	4665.6	4241.6
48°	12628.3	12708.6	12652.3	12339.5	11361.3	9925.5	7940.5	6252.2	5270.4	4703.8	4258.4
49°	12509.1	12611.7	12574.5	12317.1	11401.9	9985.1	7989.0	6309.8	5319.3	4740.1	4279.5
50°	12381.7	12510.8	12490.1	12284.9	11433.3	10040.6	8035.8	6373.9	5367.7	4772.8	4302.6
51°	12241.0	12396.6	12394.9	12245.1	11461.4	10090.2	8077.0	6438.3	5415.8	4807.4	4330.5
52°	12081.3	12263.3	12288.2	12195.5	11484.6	10134.9	8113.5	6500.0	5462.8	4843.0	4362.2
53°	11903.4	12112.7	12177.3	12140.9	11496.2	10171.3	8146.1	6562.2	5517.2	4882.4	4401.4
54°	11694.0	11931.5	12056.5	12073.0	11498.7	10201.1	8174.5	6621.1	5577.2	4925.8	4444.5
55°	11464.8	11717.2	11921.6	11991.1	11493.7	10223.4	8199.8	6677.9	5637.5	4975.8	4492.4
56°	11196.6	11472.2	11765.2	11895.9	11476.3	10237.5	8223.1	6735.6	5700.4	5031.2	4541.5
57°	10894.6	11195.0	11583.9	11786.7	11446.6	10243.3	8239.8	6790.8	5770.0	5093.7	4594.7
58°	10551.2	10878.9	11374.6	11660.9	11398.6	10239.2	8248.6	6841.5	5843.2	5161.9	4655.9
59°	10186.2	10530.5	11142.0	11522.7	11335.7	10223.4	8250.4	6883.9	5919.2	5234.9	4720.8
60°	9748.4	10144.8	10881.3	11365.5	11254.6	10192.8	8243.7	6925.7	5995.2	5313.2	4791.8
61°	9211.4	9702.9	10588.4	11183.4	11151.9	10141.5	8224.1	6961.7	6078.2	5399.4	4869.4
62°	8575.0	9170.8	10260.7	10972.4	11035.3	10068.7	8190.2	6988.9	6163.7	5493.3	4954.2
63°	7854.6	8575.8	9881.7	10734.9	10898.7	9985.9	8154.7	7007.4	6248.9	5594.5	5041.8
64°	7124.6	7931.8	9464.6	10468.4	10739.0	9883.3	8105.4	7015.0	6327.9	5705.9	5137.6
65°	6441.7	7287.9	8991.2	10168.0	10561.9	9759.2	8036.9	7011.6	6404.3	5826.4	5250.7
66°	5860.6	6673.1	8493.1	9827.1	10357.5	9619.3	7940.6	6998.1	6468.1	5952.3	5388.2
67°	5406.3	6107.3	7989.7	9443.1	10112.6	9438.1	7806.5	6954.5	6532.3	6086.6	5545.2
68°	5043.9	5615.0	7474.8	9016.9	9836.2	9203.9	7611.9	6876.0	6587.5	6230.8	5722.9
69°	4676.0	5194.8	6962.6	8551.0	9506.8	8918.4	7324.2	6729.8	6634.4	6383.3	5924.5
70°	4099.8	4770.1	6453.0	8058.6	9120.3	8564.2	6895.0	6474.8	6661.9	6544.2	6145.7
71°	3199.4	4214.6	5961.4	7559.8	8686.7	8107.5	6311.2	6100.8	6646.2	6715.3	6382.9
72°	2125.0	3440.3	5460.5	7064.1	8198.9	7571.2	5669.5	5646.9	6572.3	6886.6	6604.6
73°	1191.9	2494.2	4920.3	6568.1	7671.6	6926.7	5033.5	5197.2	6424.9	7064.2	6841.3
74°	904.4	1560.5	4312.0	6055.4	7072.5	6198.8	4430.7	4832.3	6223.0	7220.0	7083.4
75°	623.2	876.1	3636.1	5484.4	6428.2	5379.4	3741.6	4501.7	5992.7	7315.5	7273.8
76°	341.9	683.6	2875.6	4848.9	5702.1	4520.6	2767.6	3991.3	5813.0	7312.7	7388.3
77°	288.1	502.6	2147.3	4036.8	4880.9	3521.4	1793.8	3151.0	5667.6	7188.7	7351.0
78°	251.2	321.6	1578.4	3051.6	3961.8	2412.1	829.5	2247.0	5483.8	6901.9	7034.8
79°	224.9	271.6	1138.1	1958.5	2988.3	1379.7	365.0	1342.9	5010.0	6386.2	6277.7
80°	202.1	235.9	801.6	1050.0	2068.7	702.4	256.3	453.4	4031.8	5542.0	5424.2
81°	180.4	205.2	567.5	800.9	1189.6	483.8	221.5	294.8	2863.7	4494.6	4709.8
82°	159.9	178.9	336.4	566.3	861.1	275.1	194.8	239.4	1695.6	3428.6	4218.5
83°	138.6	156.9	271.5	331.7	544.6	223.9	168.1	197.7	552.8	2594.8	3948.7
84°	117.6	133.0	223.4	284.0	228.1	187.5	141.4	156.3	367.3	1991.7	2991.4
85°	96.0	110.0	167.4	243.5	176.4	152.7	116.4	123.9	300.2	1388.6	2034.0
86°	74.0	87.5	117.6	202.9	136.7	116.2	91.3	95.7	242.2	786.2	1077.5
87°	51.9	66.0	87.6	156.2	101.5	83.7	65.8	71.0	184.2	542.9	582.2
88°	29.9	44.4	60.9	103.2	70.5	58.2	41.9	49.1	126.7	299.5	436.6
89°	13.9	22.9	34.3	54.8	39.5	33.0	29.3	34.2	85.7	59.6	291.1



REPORT NUMBER: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5	5157.5
1°	5036.5	5036.6	5045.3	5062.2	5086.2	5116.1	5147.6	5156.1	5187.7	5219.5	5246.4
2°	4926.2	4923.4	4937.0	4967.0	5011.0	5065.6	5127.6	5167.2	5232.5	5297.2	5352.4
3°	4826.8	4821.4	4838.6	4877.9	4939.7	5018.1	5110.1	5182.4	5282.4	5381.8	5468.4
4°	4737.7	4729.3	4750.2	4798.6	4875.0	4975.3	5093.9	5199.3	5335.0	5473.2	5597.6
5°	4651.5	4641.6	4666.5	4723.4	4814.6	4932.9	5080.5	5219.1	5391.0	5571.0	5733.6
6°	4569.4	4555.0	4582.8	4650.5	4756.6	4895.9	5070.7	5243.7	5451.7	5673.2	5880.8
7°	4489.8	4473.4	4504.6	4579.7	4699.4	4861.6	5061.5	5269.1	5518.2	5784.3	6039.2
8°	4417.7	4397.9	4431.6	4516.6	4645.2	4826.6	5054.5	5296.5	5587.0	5903.6	6206.4
9°	4348.6	4325.8	4362.6	4453.7	4596.0	4792.5	5049.7	5326.9	5660.2	6029.2	6388.5
10°	4285.5	4261.1	4298.7	4395.2	4549.7	4762.1	5049.0	5361.6	5740.7	6162.3	6581.8
11°	4228.7	4201.5	4241.1	4342.5	4507.0	4736.8	5051.8	5402.7	5829.3	6306.4	6787.7
12°	4180.2	4148.1	4187.4	4294.3	4467.4	4715.7	5059.0	5447.9	5923.0	6458.6	7006.4
13°	4135.8	4099.4	4141.8	4249.7	4430.8	4697.9	5069.4	5495.0	6020.6	6623.5	7239.3
14°	4093.7	4055.6	4098.9	4212.4	4398.0	4682.7	5081.5	5544.7	6122.6	6794.4	7486.2
15°	4057.9	4016.9	4059.7	4177.8	4370.6	4670.7	5096.0	5599.6	6228.2	6972.9	7739.3
16°	4024.4	3981.5	4025.6	4146.0	4348.0	4660.9	5114.5	5659.7	6340.3	7159.0	8005.6
17°	3993.9	3950.2	3995.6	4120.4	4330.0	4656.4	5138.1	5721.4	6459.5	7354.6	8276.2
18°	3967.2	3920.7	3969.3	4097.0	4313.7	4655.4	5164.3	5787.4	6581.0	7551.1	8554.3
19°	3941.9	3890.4	3944.8	4079.7	4300.7	4658.6	5194.4	5857.1	6706.9	7752.0	8827.4
20°	3915.8	3859.7	3922.0	4065.5	4291.2	4666.0	5226.8	5927.9	6834.5	7957.6	9096.3
21°	3889.1	3832.3	3899.9	4055.1	4285.8	4677.8	5263.0	6000.9	6968.1	8164.7	9361.1
22°	3864.9	3806.3	3880.9	4046.5	4282.5	4690.4	5300.0	6073.0	7102.0	8371.4	9611.9
23°	3844.4	3784.8	3863.6	4039.7	4282.3	4704.8	5336.1	6146.5	7242.9	8576.6	9863.5
24°	3826.4	3768.0	3848.8	4033.7	4282.8	4721.8	5371.2	6218.7	7381.3	8779.4	10100.1
25°	3813.1	3755.6	3837.5	4031.0	4283.1	4738.4	5407.2	6293.9	7519.5	8976.3	10331.9
26°	3804.4	3747.5	3831.7	4028.1	4284.4	4755.4	5443.9	6367.9	7659.4	9165.8	10560.3
27°	3799.3	3743.5	3829.8	4024.9	4285.3	4771.6	5478.6	6445.8	7802.1	9360.3	10792.8
28°	3798.3	3744.4	3831.2	4021.3	4287.2	4788.2	5514.7	6526.6	7949.2	9549.0	11029.5
29°	3799.4	3748.4	3834.5	4019.4	4290.6	4802.6	5551.9	6612.1	8104.6	9738.5	11256.2
30°	3802.2	3754.7	3838.7	4017.4	4294.3	4817.4	5591.9	6701.4	8257.9	9937.1	11480.5
31°	3807.0	3764.2	3842.5	4015.8	4300.1	4832.1	5634.6	6796.2	8424.4	10145.7	11715.5
32°	3813.2	3776.5	3847.7	4013.8	4305.6	4846.2	5677.8	6895.0	8591.5	10350.1	11922.4
33°	3819.7	3790.7	3854.1	4013.7	4312.9	4862.2	5722.1	6999.7	8766.1	10543.7	12115.2
34°	3827.5	3804.4	3861.1	4015.3	4321.2	4877.9	5769.7	7107.5	8934.1	10719.1	12273.3
35°	3835.8	3821.3	3869.2	4020.4	4332.3	4898.2	5822.5	7214.6	9086.4	10876.4	12376.7
36°	3846.5	3840.5	3878.8	4031.6	4346.2	4919.7	5873.6	7312.2	9232.1	10993.1	12409.0
37°	3858.5	3859.4	3889.6	4052.4	4365.7	4943.6	5918.3	7409.6	9354.5	11055.1	12395.7
38°	3869.3	3880.3	3899.6	4078.5	4393.8	4969.2	5961.4	7504.9	9438.9	11073.3	12346.9
39°	3879.3	3903.0	3907.6	4109.9	4427.5	4996.4	5996.9	7580.4	9494.4	11073.3	12293.1
40°	3890.8	3927.4	3916.1	4142.2	4464.7	5024.7	6036.3	7639.0	9523.3	11071.7	12265.0
41°	3901.6	3945.2	3925.9	4170.3	4504.7	5056.9	6070.6	7689.1	9545.7	11084.1	12266.6
42°	3911.5	3965.5	3937.0	4198.4	4547.0	5091.6	6108.3	7734.2	9582.1	11107.3	12286.5
43°	3921.1	3986.0	3950.6	4222.7	4588.7	5129.8	6151.4	7781.3	9640.9	11140.4	12313.0
44°	3930.0	4006.5	3963.7	4247.4	4629.4	5172.8	6197.5	7830.6	9704.6	11185.9	12335.3



REPORT NUMBER: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3940.0	4025.1	3976.8	4269.5	4670.4	5221.3	6242.8	7879.6	9766.6	11241.3	12350.2
46°	3950.0	4041.3	3989.8	4288.6	4707.6	5272.8	6288.7	7928.3	9823.7	11299.3	12352.7
47°	3964.3	4056.4	4005.7	4306.4	4744.0	5328.5	6340.9	7979.5	9879.2	11354.7	12345.3
48°	3983.9	4065.0	4026.3	4325.1	4776.6	5384.9	6401.9	8024.5	9937.1	11401.9	12327.9
49°	4006.3	4071.9	4050.8	4345.4	4809.1	5438.8	6463.8	8065.1	9994.2	11441.6	12303.1
50°	4029.6	4079.4	4078.5	4370.5	4841.1	5490.2	6526.8	8101.0	10047.2	11468.9	12269.1
51°	4055.9	4086.6	4108.9	4399.5	4874.6	5539.6	6590.4	8131.8	10091.9	11485.4	12229.4
52°	4086.7	4091.9	4141.3	4433.3	4912.1	5590.7	6653.7	8161.1	10127.5	11495.4	12180.6
53°	4122.1	4097.7	4176.7	4472.0	4953.5	5644.2	6715.5	8187.9	10153.9	11498.7	12121.8
54°	4161.4	4109.8	4214.8	4517.1	5000.9	5702.7	6772.8	8209.5	10169.7	11492.1	12053.1
55°	4205.5	4128.3	4257.3	4565.8	5054.2	5765.5	6823.7	8225.5	10176.3	11473.0	11974.5
56°	4254.5	4155.3	4305.9	4618.1	5114.1	5835.2	6874.1	8239.6	10171.3	11439.9	11876.9
57°	4308.6	4189.1	4358.5	4675.9	5182.1	5909.5	6918.0	8247.7	10156.4	11396.1	11756.9
58°	4366.3	4234.0	4417.7	4739.4	5258.1	5986.1	6957.5	8251.2	10132.4	11330.7	11613.7
59°	4433.4	4288.6	4480.3	4809.8	5340.3	6062.0	6994.0	8239.8	10095.2	11251.3	11456.5
60°	4500.9	4354.5	4546.8	4884.7	5428.4	6139.5	7023.4	8218.2	10038.9	11159.4	11285.2
61°	4570.8	4434.7	4620.4	4970.4	5525.2	6214.3	7043.3	8196.4	9971.9	11051.8	11098.2
62°	4647.1	4529.3	4705.9	5059.5	5628.7	6289.8	7053.0	8168.4	9892.4	10921.9	10889.6
63°	4744.5	4638.7	4810.8	5145.6	5737.9	6363.5	7058.3	8126.0	9791.5	10768.0	10648.8
64°	4858.9	4768.7	4930.0	5244.5	5858.8	6433.1	7049.8	8066.0	9671.5	10595.0	10360.8
65°	4989.0	4921.9	5063.6	5366.0	5984.6	6500.7	7025.7	7968.6	9523.3	10389.8	10032.3
66°	5138.8	5095.3	5215.1	5511.8	6115.9	6567.2	6983.5	7827.4	9328.0	10153.1	9666.5
67°	5313.7	5282.4	5389.4	5671.6	6251.3	6617.0	6902.7	7634.3	9081.4	9891.6	9275.1
68°	5500.4	5468.4	5578.6	5852.0	6395.6	6643.8	6772.3	7342.4	8786.0	9579.6	8849.7
69°	5684.1	5602.3	5752.5	6054.6	6545.7	6650.0	6550.2	6912.6	8441.8	9213.8	8392.1
70°	5849.5	5722.4	5907.7	6277.5	6703.4	6619.4	6180.8	6334.2	8002.8	8796.8	7894.7
71°	6003.2	5832.3	6054.9	6506.0	6865.0	6542.8	5700.6	5675.5	7449.5	8322.6	7377.0
72°	6141.2	5872.7	6180.5	6731.0	7027.3	6415.8	5241.5	5042.8	6820.4	7807.5	6856.5
73°	6198.2	5711.1	6226.5	6963.0	7166.1	6222.3	4890.1	4443.3	6081.2	7210.6	6319.6
74°	6072.5	5267.8	6056.4	7176.1	7231.2	6002.7	4582.5	3791.0	5293.8	6536.3	5762.4
75°	5690.1	4357.3	5602.5	7338.9	7220.0	5826.4	4081.7	2847.5	4425.0	5797.8	5150.1
76°	5001.2	3289.3	4890.6	7404.9	7096.3	5727.4	3204.6	1744.5	3467.9	5005.2	4452.3
77°	4050.3	2571.2	3984.7	7317.6	6850.3	5580.0	2273.7	810.2	2400.4	4117.8	3567.9
78°	3388.8	2718.2	3459.4	6886.0	6452.3	5107.7	1342.7	607.4	1367.8	3169.1	2435.1
79°	3540.3	3476.7	3753.6	6060.9	5829.0	4174.6	414.1	419.3	684.7	2262.8	1395.3
80°	4322.8	4007.1	4479.2	5137.0	4979.0	2948.1	293.7	231.1	474.8	1383.8	686.3
81°	4603.9	3618.1	4495.1	4312.5	3944.9	1721.6	238.6	198.5	276.6	702.8	520.1
82°	3634.6	2632.1	3319.2	3967.6	2961.5	513.6	202.6	172.3	226.3	464.6	358.2
83°	2628.9	1646.1	2207.7	3554.0	2254.4	365.8	166.5	147.0	192.0	239.9	308.2
84°	1623.1	670.5	1111.9	2627.6	1547.3	305.9	130.8	121.5	159.3	188.4	266.8
85°	634.2	536.8	604.6	1701.3	848.2	250.2	102.9	95.4	124.6	144.9	226.9
86°	446.2	403.1	419.5	789.1	590.6	194.1	78.0	71.7	91.7	109.4	184.1
87°	258.1	269.4	234.3	632.0	332.9	138.3	55.9	48.0	65.6	78.1	133.7
88°	74.9	135.7	50.9	474.9	79.4	104.8	38.8	24.4	39.5	63.1	73.6
89°	39.1	2.3	27.0	317.8	41.8	71.4	21.7	7.9	13.5	48.1	55.9



REPORT NUMBER: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	5157.5	5157.5	5157.5
1°	5268.0	5284.1	5289.8
2°	5397.4	5426.9	5437.5
3°	5540.0	5587.2	5601.7
4°	5696.1	5763.4	5785.3
5°	5869.2	5956.4	5983.8
6°	6055.1	6169.7	6204.6
7°	6254.1	6395.0	6440.6
8°	6468.1	6636.2	6695.6
9°	6694.8	6901.3	6970.4
10°	6939.3	7183.6	7265.1
11°	7205.4	7488.4	7584.7
12°	7482.5	7804.4	7916.8
13°	7780.0	8150.6	8279.6
14°	8089.5	8508.8	8661.9
15°	8411.1	8876.2	9053.3
16°	8743.8	9263.5	9452.2
17°	9086.4	9652.4	9851.9
18°	9428.2	10033.9	10244.1
19°	9760.0	10400.5	10627.3
20°	10079.5	10754.7	10993.1
21°	10386.5	11089.1	11342.3
22°	10676.9	11400.2	11660.1
23°	10957.5	11711.4	11970.4
24°	11227.3	12008.5	12257.5
25°	11496.2	12296.4	12532.3
26°	11765.2	12548.8	12769.0
27°	12023.3	12773.1	12976.7
28°	12255.9	12970.1	13163.7
29°	12477.7	13166.2	13360.7
30°	12694.5	13388.8	13598.2
31°	12915.4	13592.4	13792.6
32°	13117.4	13738.8	13934.1
33°	13259.7	13805.0	13981.3
34°	13329.2	13781.9	13935.0
35°	13317.6	13671.8	13804.2
36°	13249.8	13517.9	13634.6
37°	13132.3	13361.5	13485.6
38°	13028.0	13260.5	13402.0
39°	12965.1	13204.3	13353.2
40°	12929.5	13171.1	13315.1
41°	12909.6	13143.0	13272.1
42°	12889.0	13113.2	13218.3
43°	12865.8	13074.3	13151.3
44°	12840.1	13026.3	13070.2



REPORT NUMBER: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	12806.2	12960.1	12970.9
46°	12765.7	12879.9	12860.8
47°	12716.8	12789.7	12745.8
48°	12655.6	12692.8	12628.3
49°	12581.1	12596.8	12509.1
50°	12495.0	12495.9	12381.7
51°	12394.1	12390.0	12241.0
52°	12279.9	12259.2	12081.3
53°	12164.0	12103.6	11903.4
54°	12041.6	11917.4	11694.0
55°	11905.8	11699.0	11464.8
56°	11748.6	11456.5	11196.6
57°	11562.4	11180.9	10894.6
58°	11346.4	10858.2	10551.2
59°	11104.8	10504.8	10186.2
60°	10830.0	10118.3	9748.4
61°	10515.6	9675.6	9211.4
62°	10173.0	9154.3	8575.0
63°	9805.5	8558.4	7854.6
64°	9390.1	7896.7	7124.6
65°	8932.5	7259.8	6441.7
66°	8428.5	6660.7	5860.6
67°	7917.4	6108.3	5406.3
68°	7397.2	5624.9	5043.9
69°	6900.4	5183.7	4676.0
70°	6421.7	4752.2	4099.8
71°	5925.9	4208.3	3199.4
72°	5375.6	3431.6	2125.0
73°	4819.8	2488.4	1191.9
74°	4226.8	1598.9	904.4
75°	3484.2	929.3	623.2
76°	2701.5	727.2	341.9
77°	2048.1	528.0	288.1
78°	1509.9	328.8	251.2
79°	1086.6	273.2	224.9
80°	829.1	235.5	202.1
81°	572.6	204.1	180.4
82°	316.0	178.8	159.9
83°	259.2	158.9	138.6
84°	208.4	134.3	117.6
85°	149.3	107.9	96.0
86°	109.3	85.0	74.0
87°	79.1	63.1	51.9
88°	51.3	41.2	29.9
89°	23.6	19.3	13.9



REPORT NUMBER: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**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: P1436831  
CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)