

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: P1436788

Luminaire Tested: XAS300-SFPM (3000K-240W-T5-HSS)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436788  
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-240W-T5-HSS)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 80% (240W)  
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: 36932 (1 lamp)  
Luminaire Lumens: 28831.2 lumens  
Efficiency: 78.1%  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Medium - Semi-Cutoff  
BUG Rating: B4 - U0 - G4

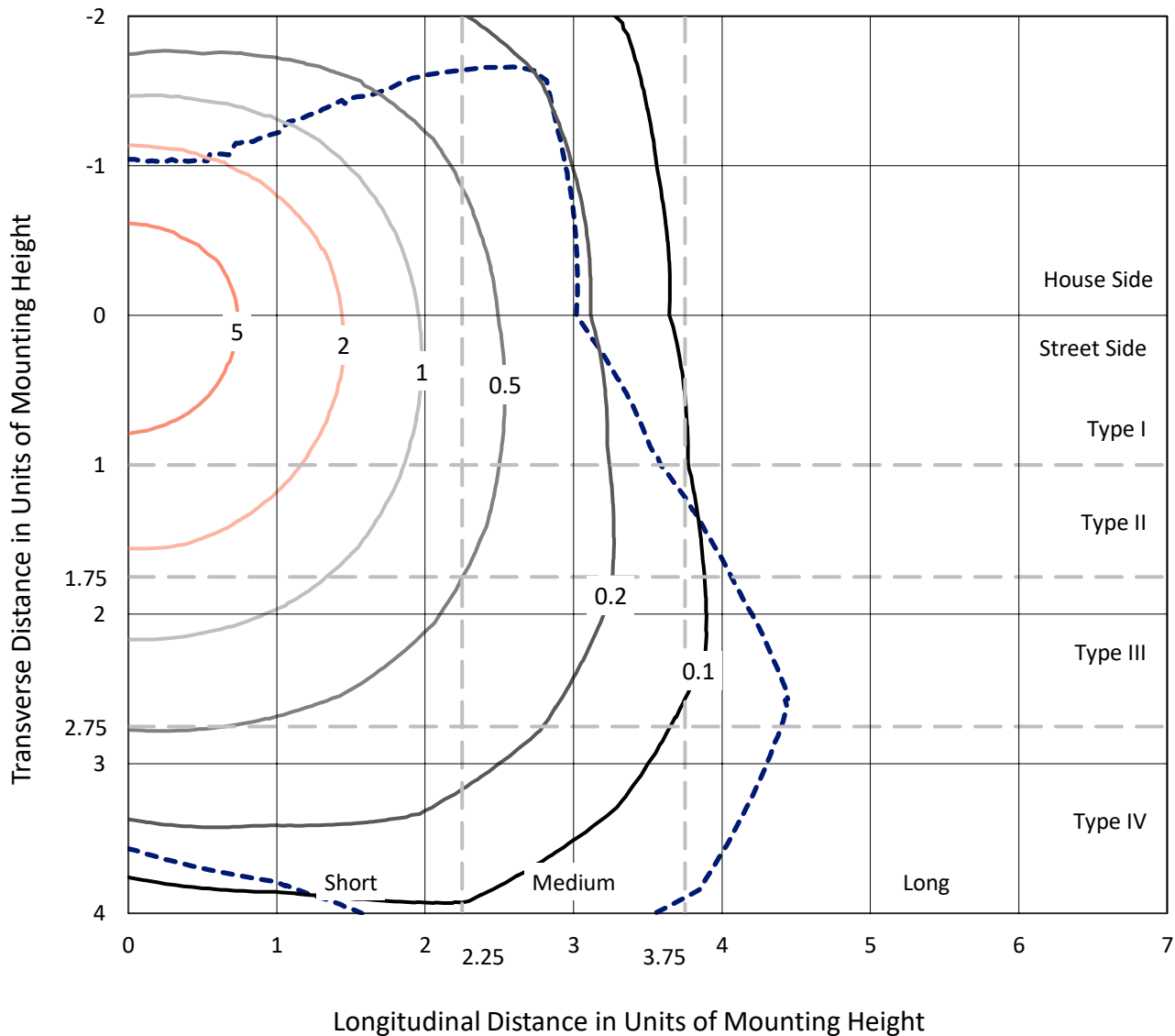
Input Watts (W): 247.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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### Iso-Footcandle Lines of Horizontal Illumination

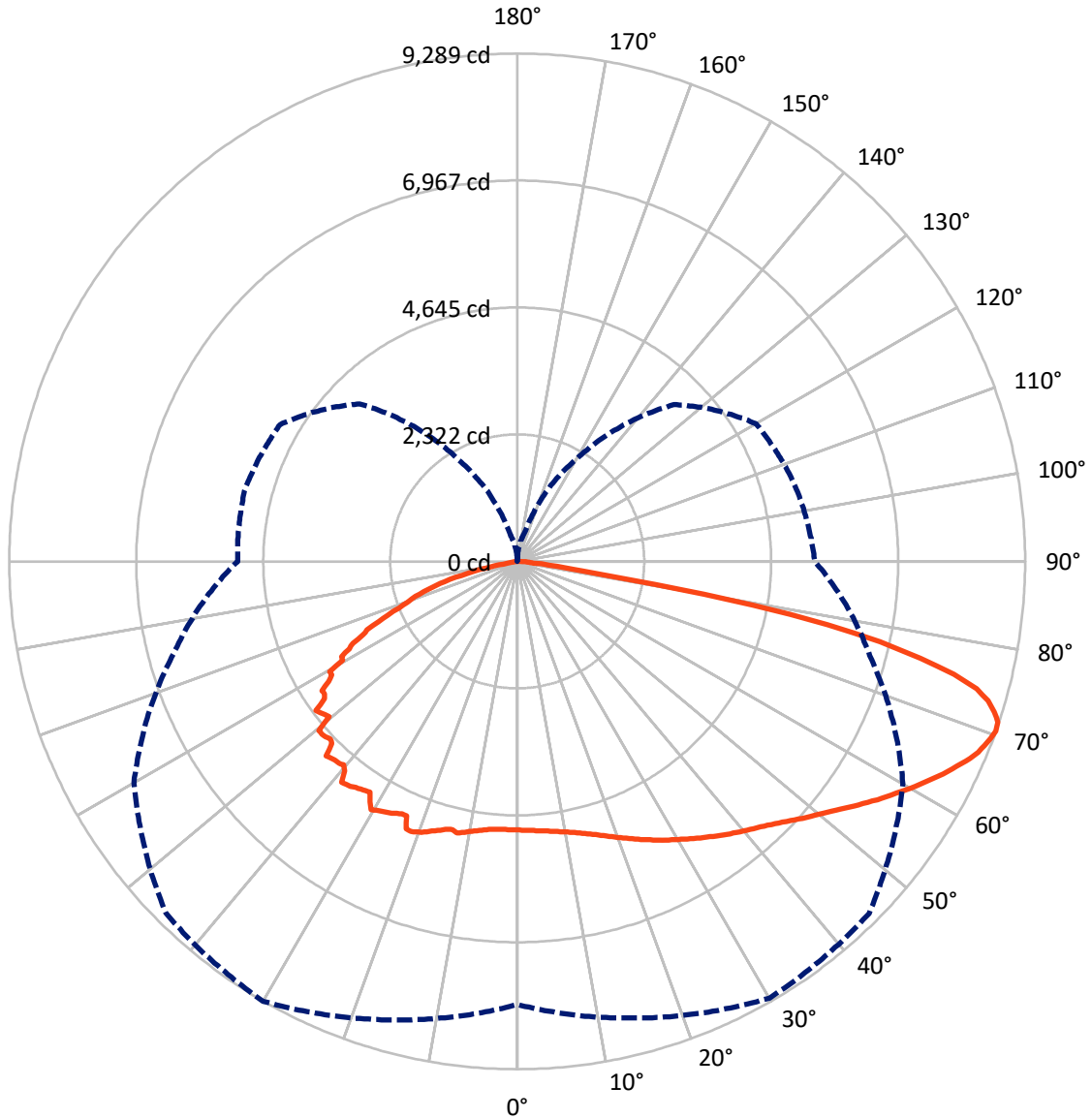
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Medium - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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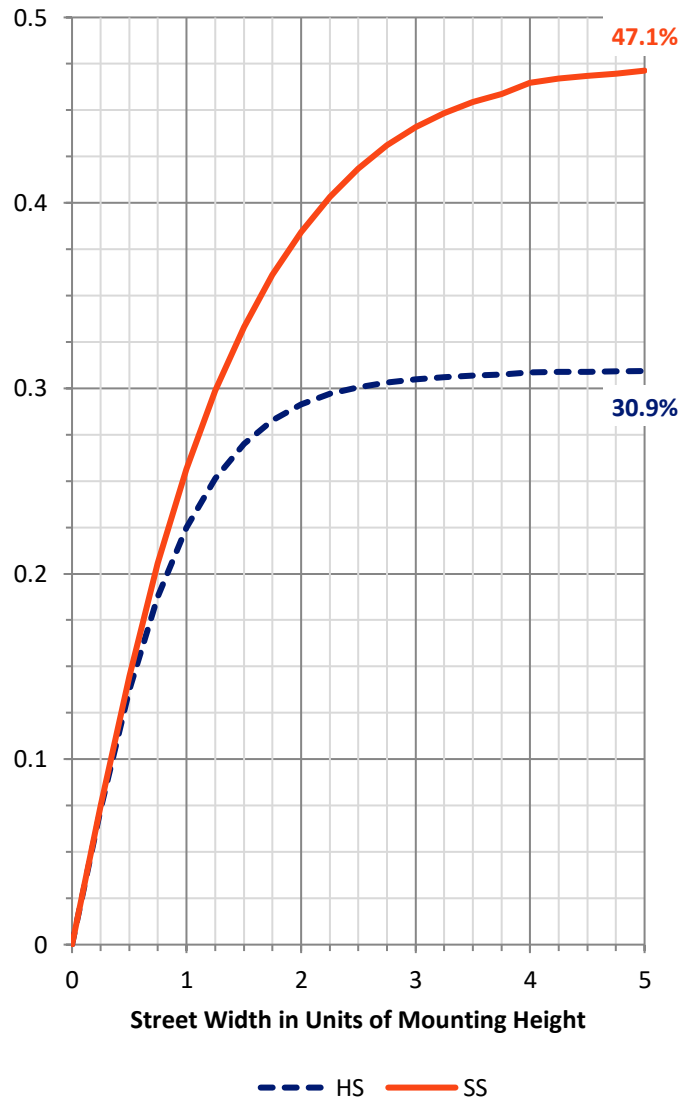
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11449.4	0.0	11449.4
	% Lamp	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17381.8	0.0	17381.8
	% Lamp	47.1	0.0	47.1
<b>Total</b>	Lumens	28831.2	0.0	28831.2
	% Lamp	78.1	0.0	78.1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	474.3	1.6	1.3
10°-20°	1466.1	5.1	4.0
20°-30°	2534.8	8.8	6.9
30°-40°	3632.4	12.6	9.8
40°-50°	4696.0	16.3	12.7
50°-60°	5651.2	19.6	15.3
60°-70°	6049.4	21.0	16.4
70°-80°	4067.9	14.1	11.0
80°-90°	259.0	0.9	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°	28831.2	100.0	78.1
0°-180°	28831.2	100.0	78.1

**Coefficient of Utilization**



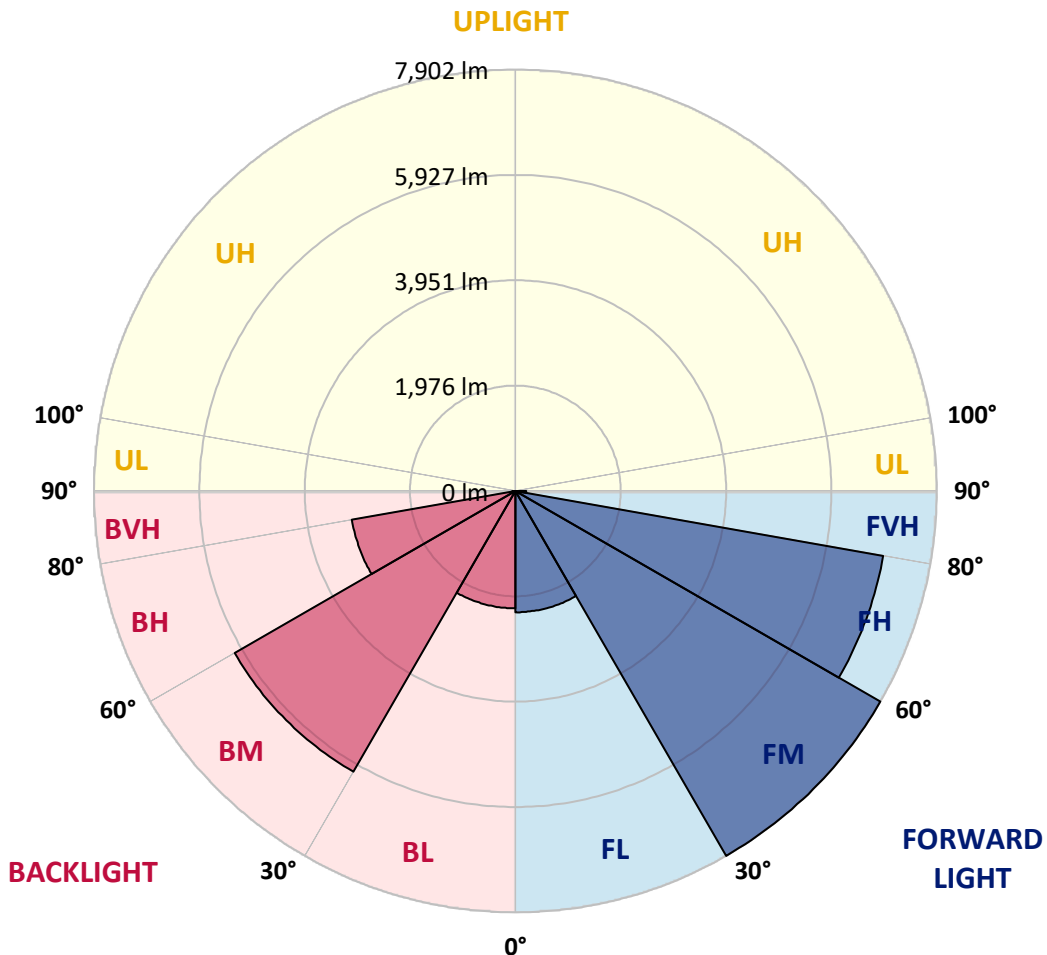
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2274.8	6.2			
FM (30°-60°)	7902.0	21.4			
FH (60°-80°)	7002.5	19.0			G3/7500
FVH (80°-90°)	202.4	0.5			G2/225
BL (0°-30°)	2200.5	6.0	B3/2500		
BM (30°-60°)	6077.6	16.5	B4/8500		
BH (60°-80°)	3114.7	8.4	B4/5000		G4/5000
BVH (80°-90°)	56.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	8100.8	21.9			

**BUG Rating: B4-U0-G4**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8
1°	4916.4	4916.9	4915.4	4916.6	4915.8	4914.3	4912.0	4910.5	4909.4	4909.6	4909.4
2°	4922.0	4921.7	4920.2	4920.5	4918.4	4916.3	4913.3	4911.0	4908.6	4908.3	4908.6
3°	4929.7	4928.5	4926.2	4925.9	4924.2	4922.5	4917.2	4913.8	4910.7	4909.2	4909.1
4°	4937.9	4936.0	4934.4	4935.2	4932.8	4932.1	4926.0	4920.1	4915.5	4912.9	4911.9
5°	4947.7	4945.7	4945.4	4946.4	4946.7	4946.4	4938.9	4931.4	4923.2	4918.7	4917.1
6°	4958.6	4957.0	4957.1	4961.0	4963.1	4961.0	4953.2	4945.4	4933.7	4925.9	4923.8
7°	4971.6	4969.9	4970.6	4977.4	4979.6	4976.7	4968.4	4959.9	4947.5	4937.6	4938.9
8°	4985.9	4984.9	4987.4	4995.3	4997.7	4995.8	4986.7	4976.6	4963.5	4955.6	4959.0
9°	5002.7	5001.9	5006.9	5014.7	5019.6	5016.5	5006.6	4993.4	4980.4	4978.7	4980.9
10°	5022.7	5021.7	5027.5	5036.8	5042.5	5038.3	5026.7	5011.5	4998.3	5005.2	5006.1
11°	5046.0	5044.1	5050.7	5062.2	5066.8	5062.1	5049.4	5032.4	5021.2	5032.2	5031.2
12°	5070.5	5068.1	5076.6	5088.7	5092.8	5088.5	5065.8	5047.8	5049.6	5061.7	5059.4
13°	5098.8	5094.7	5103.5	5118.3	5120.9	5105.7	5080.8	5061.7	5067.7	5091.6	5088.7
14°	5130.2	5124.7	5132.6	5148.6	5152.3	5127.0	5102.2	5078.1	5089.6	5122.9	5048.9
15°	5164.4	5158.4	5165.2	5180.3	5176.1	5151.9	5127.3	5102.2	5110.8	5145.3	5058.6
16°	5200.6	5194.1	5202.0	5215.5	5204.0	5180.3	5163.4	5135.2	5138.6	5158.4	5094.2
17°	5237.6	5229.8	5240.0	5251.8	5235.0	5217.7	5192.4	5161.8	5170.7	5131.2	5131.1
18°	5277.3	5268.9	5279.4	5294.0	5263.0	5253.9	5227.7	5193.7	5200.0	5143.4	5171.0
19°	5316.6	5309.0	5320.9	5333.3	5298.0	5289.2	5270.7	5237.9	5236.1	5178.4	5213.9
20°	5357.9	5349.9	5364.5	5367.6	5337.8	5326.7	5317.9	5283.6	5280.4	5208.4	5254.6
21°	5399.2	5392.7	5409.2	5406.5	5379.7	5374.5	5365.0	5323.7	5323.3	5242.2	5282.8
22°	5441.3	5437.1	5455.7	5448.4	5418.6	5424.7	5401.4	5348.0	5348.5	5286.7	5306.6
23°	5487.8	5484.9	5503.8	5491.0	5464.6	5475.2	5423.7	5376.5	5340.1	5330.3	5296.1
24°	5534.1	5534.6	5551.9	5532.8	5508.9	5514.9	5450.7	5425.7	5357.8	5362.5	5077.4
25°	5583.8	5586.1	5602.2	5579.1	5558.2	5547.2	5493.9	5455.4	5391.9	5394.6	5077.1
26°	5634.8	5638.3	5653.6	5623.7	5608.8	5579.3	5533.0	5491.7	5421.6	5433.8	5108.4
27°	5689.1	5694.9	5707.7	5676.0	5659.3	5615.2	5563.5	5540.5	5467.8	5455.0	5143.7
28°	5746.6	5753.9	5762.9	5724.4	5708.5	5664.9	5606.5	5588.2	5513.1	5355.6	5171.7
29°	5806.8	5812.0	5816.8	5771.0	5752.9	5716.3	5660.5	5626.0	5537.3	5237.7	5201.4
30°	5870.3	5871.0	5867.0	5818.0	5796.9	5754.4	5716.7	5652.5	5559.2	5255.9	5232.9
31°	5934.8	5929.8	5916.3	5872.9	5830.9	5798.6	5764.3	5690.1	5600.3	5261.6	5269.1
32°	6002.9	5989.9	5970.2	5923.5	5870.5	5844.2	5794.3	5733.7	5643.1	5284.8	5154.8
33°	6075.9	6050.5	6023.4	5973.4	5911.8	5896.0	5831.9	5777.3	5660.0	5321.5	5007.1
34°	6149.0	6110.6	6075.4	6029.0	5962.6	5947.3	5881.0	5801.5	5692.1	5361.5	5029.3
35°	6224.9	6173.0	6131.9	6086.7	6014.3	5996.0	5933.4	5838.4	5717.9	5394.3	5050.6
36°	6300.4	6232.0	6185.6	6142.6	6063.5	6033.5	5988.6	5878.3	5744.5	5411.3	5081.4
37°	6378.6	6289.7	6240.4	6198.3	6107.0	6061.4	6029.5	5908.6	5747.7	5417.9	5122.9
38°	6458.7	6345.9	6292.9	6256.2	6156.4	6099.2	6079.3	5944.3	5633.0	5269.2	5143.2
39°	6538.5	6402.9	6349.0	6307.5	6200.8	6144.7	6144.5	5970.5	5544.5	5206.6	5158.2
40°	6624.8	6463.1	6401.9	6358.5	6255.2	6197.2	6205.2	6007.9	5586.1	5251.1	4961.7
41°	6708.6	6529.2	6457.2	6414.0	6316.0	6254.8	6261.4	6025.0	5634.0	5290.9	4890.6
42°	6793.1	6602.3	6520.6	6464.6	6379.1	6314.8	6317.1	6040.2	5680.4	5284.8	4926.5
43°	6869.9	6680.7	6587.9	6523.2	6443.7	6358.8	6365.5	6084.6	5662.0	5300.4	4930.8
44°	6943.3	6762.9	6658.4	6584.4	6509.4	6415.8	6413.3	6120.1	5667.0	5339.0	4957.2



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7013.6	6846.7	6729.5	6646.9	6567.3	6477.2	6464.7	6180.5	5705.6	5365.6	4983.8
46°	7080.2	6933.1	6805.3	6719.2	6627.1	6550.1	6502.1	6186.0	5750.5	5207.4	4754.4
47°	7143.3	7023.1	6886.3	6797.2	6693.6	6616.4	6538.9	6167.5	5761.8	5120.0	4713.1
48°	7205.2	7119.8	6971.2	6879.9	6761.6	6680.7	6592.2	6202.1	5767.2	5148.4	4752.8
49°	7270.8	7221.5	7062.0	6963.7	6837.6	6751.5	6642.1	6252.7	5645.7	5199.8	4767.6
50°	7338.9	7327.9	7154.1	7041.1	6917.5	6820.5	6690.8	6284.3	5630.2	5222.9	4765.9
51°	7410.3	7435.4	7250.0	7124.3	6998.7	6883.6	6731.8	6303.9	5650.1	5233.0	4460.2
52°	7482.9	7547.5	7349.5	7216.0	7085.6	6949.1	6730.1	6337.8	5669.4	5045.5	4496.4
53°	7563.5	7661.2	7449.4	7310.6	7168.9	7011.3	6689.0	6356.7	5727.3	5023.1	4544.2
54°	7652.1	7773.8	7560.3	7410.0	7242.1	7067.3	6679.0	6355.9	5729.5	5046.4	4581.3
55°	7739.1	7883.9	7674.5	7516.0	7318.4	7111.5	6696.8	6355.9	5728.7	5060.5	4326.1
56°	7827.7	7990.9	7790.9	7629.7	7398.0	7161.7	6723.7	6343.2	5697.1	4993.6	4272.4
57°	7912.8	8093.9	7908.9	7741.5	7481.9	7219.7	6738.1	6336.0	5573.2	4827.2	4284.0
58°	7995.6	8189.2	8028.4	7859.7	7564.2	7273.3	6734.9	6268.6	5590.5	4887.3	4090.8
59°	8076.8	8275.8	8148.6	7975.3	7644.0	7317.2	6727.7	6270.7	5582.6	4950.0	3975.9
60°	8156.4	8357.8	8266.5	8093.9	7718.4	7355.0	6725.1	6219.6	5559.8	4928.0	3979.1
61°	8223.5	8428.1	8386.7	8206.3	7794.5	7375.7	6705.0	6166.8	5510.1	4761.2	3670.6
62°	8282.1	8489.7	8504.6	8314.1	7871.4	7361.4	6655.9	6102.5	5443.2	4740.3	3656.1
63°	8338.3	8545.1	8620.9	8424.9	7940.9	7300.5	6598.0	6032.1	5421.8	4668.4	3464.8
64°	8411.7	8598.2	8740.3	8542.0	7994.0	7244.4	6524.2	5964.6	5361.1	4571.1	3358.9
65°	8488.2	8663.8	8851.2	8662.2	8052.6	7199.7	6452.5	5883.9	5236.5	4529.3	3115.7
66°	8534.2	8733.3	8949.5	8769.2	8108.8	7175.2	6355.9	5816.2	5255.6	4399.5	3022.8
67°	8540.5	8784.0	9033.8	8871.5	8143.1	7136.5	6239.9	5710.6	5288.0	4331.0	2764.4
68°	8531.9	8791.8	9117.4	8969.1	8168.1	7059.4	6053.8	5600.3	5313.7	4238.2	2569.0
69°	8432.0	8755.9	9188.4	9048.7	8167.3	6927.6	5834.7	5465.6	5175.0	4149.9	2320.3
70°	8102.5	8645.9	9222.0	9101.8	8143.9	6678.5	5442.1	5269.7	5038.6	4054.5	2152.7
71°	7457.1	8361.7	9193.9	9115.0	8088.5	6340.5	4931.3	4985.2	4929.3	3926.2	2047.1
72°	6623.9	7835.5	9098.6	9079.9	8003.4	5906.8	4450.6	4636.5	4791.6	3779.4	1882.3
73°	5809.5	7113.1	8925.3	9003.4	7854.3	5434.1	4036.1	4240.8	4579.1	3621.3	1716.8
74°	5011.1	6321.0	8659.9	8856.6	7619.8	4964.1	3667.8	3828.1	4359.9	3435.2	1551.3
75°	3825.3	5435.9	8261.0	8588.1	7346.9	4492.8	3228.4	3416.2	4113.7	3209.2	1384.5
76°	2281.6	4289.8	7643.6	8178.2	6946.9	3858.7	2378.8	3018.3	3814.6	2907.7	1162.2
77°	989.3	2718.6	6829.6	7549.5	6421.8	2907.6	1529.2	2288.1	3474.7	2515.1	945.5
78°	755.4	1269.8	5827.1	6627.6	5698.1	1737.8	692.0	1557.9	3068.6	2025.3	694.2
79°	536.8	951.2	4459.4	5453.5	4626.3	744.2	255.2	827.7	2504.5	1535.4	419.9
80°	318.2	636.0	2728.9	3991.7	3255.7	556.5	215.2	590.6	1724.9	1045.5	257.8
81°	289.6	320.9	1310.6	2457.2	1775.4	373.2	175.2	353.5	945.5	585.6	96.8
82°	264.8	285.8	955.8	1088.6	748.1	189.9	135.6	123.8	665.4	343.2	57.6
83°	240.0	255.1	627.1	817.0	500.9	164.1	116.5	105.4	385.3	103.6	40.2
84°	214.7	225.4	298.5	559.8	255.2	140.3	98.5	88.5	107.7	83.4	31.0
85°	188.3	197.0	241.3	302.6	202.6	117.9	80.8	71.8	85.0	69.5	24.3
86°	159.5	169.1	199.6	252.8	162.9	96.4	63.3	56.5	65.4	56.6	20.3
87°	131.0	143.3	165.2	198.7	131.3	76.9	45.9	43.0	50.2	42.7	16.3
88°	106.4	118.3	132.2	138.8	101.9	59.1	32.8	33.3	37.2	30.4	12.3
89°	87.5	92.4	94.7	81.9	78.5	41.2	19.6	23.6	26.4	18.1	8.6



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8	4912.8
1°	4909.1	4910.4	4911.5	4912.6	4914.4	4915.1	4917.0	4916.1	4916.1	4916.9	4918.2
2°	4907.8	4910.1	4911.7	4914.1	4917.0	4919.5	4921.2	4922.9	4922.7	4923.6	4924.0
3°	4909.4	4911.3	4914.6	4917.5	4921.5	4925.1	4928.2	4931.5	4932.1	4932.8	4931.7
4°	4911.8	4914.9	4918.0	4922.0	4927.7	4934.0	4939.1	4943.0	4944.3	4944.7	4942.4
5°	4915.5	4918.3	4922.5	4928.9	4936.0	4944.6	4951.5	4956.2	4957.8	4957.8	4955.6
6°	4926.1	4930.5	4934.4	4936.8	4947.7	4957.7	4965.3	4972.0	4972.8	4972.5	4968.5
7°	4943.6	4948.3	4951.9	4954.4	4960.1	4972.4	4981.5	4989.8	4990.9	4989.5	4984.4
8°	4962.3	4966.2	4969.7	4975.2	4979.0	4989.5	4999.8	5008.5	5011.3	5010.6	5003.1
9°	4982.8	4985.9	4990.9	4998.7	5002.6	5007.7	5018.3	5028.1	5032.4	5032.3	5023.0
10°	5003.1	5006.3	5011.9	5023.6	5029.0	5027.9	5040.6	5052.2	5055.4	5055.0	5045.4
11°	5028.9	5031.8	5036.4	5049.5	5058.4	5054.3	5066.5	5080.9	5084.2	5081.7	5071.7
12°	5034.8	5003.3	5047.2	5078.6	5091.0	5087.4	5082.8	5100.0	5115.4	5112.8	5100.6
13°	4987.9	4990.8	4996.7	5109.0	5124.0	5108.7	5105.3	5123.4	5139.1	5149.3	5132.4
14°	5017.3	5022.9	5029.1	5077.1	5159.7	5135.3	5128.1	5147.9	5164.9	5181.0	5166.7
15°	5053.2	5056.1	5062.9	5081.3	5185.5	5162.6	5157.5	5179.3	5193.7	5210.4	5204.8
16°	5089.8	5093.4	5099.7	5119.9	5213.7	5198.5	5187.0	5215.0	5228.5	5242.2	5246.1
17°	5128.7	5132.2	5140.4	5161.2	5194.5	5228.5	5219.8	5251.8	5270.4	5274.8	5288.0
18°	5168.3	5165.3	5179.4	5203.8	5202.5	5264.7	5261.4	5292.9	5307.3	5314.4	5327.6
19°	5203.7	5199.4	5216.7	5248.4	5235.2	5310.9	5307.6	5341.7	5349.3	5357.5	5362.2
20°	5237.9	5217.0	5252.5	5291.8	5270.3	5358.5	5350.8	5390.3	5397.5	5404.0	5403.4
21°	5160.8	4978.3	5180.3	5318.6	5315.4	5398.1	5391.0	5432.6	5450.5	5443.1	5448.1
22°	4992.0	4983.4	5015.4	5346.5	5363.6	5427.5	5418.8	5468.4	5503.0	5490.8	5489.8
23°	5022.8	5016.0	5049.5	5349.1	5403.2	5427.4	5460.8	5494.5	5550.4	5536.5	5536.9
24°	5055.6	5051.6	5085.2	5137.2	5442.4	5452.1	5513.8	5537.5	5595.3	5589.9	5584.0
25°	5094.3	5093.4	5126.2	5142.2	5477.7	5481.8	5546.9	5587.1	5629.3	5644.6	5631.8
26°	5138.3	5135.7	5173.1	5181.0	5521.9	5518.3	5587.8	5620.4	5665.5	5697.7	5681.3
27°	5178.2	5177.4	5216.3	5216.2	5540.1	5567.8	5642.4	5659.5	5718.9	5747.6	5726.6
28°	5221.3	5178.8	5257.3	5247.2	5449.8	5612.4	5691.6	5714.6	5776.0	5794.1	5774.3
29°	5168.4	4916.2	5194.1	5277.4	5334.1	5634.2	5724.3	5773.6	5822.1	5840.8	5827.5
30°	4942.5	4950.9	4981.9	5316.9	5348.3	5663.6	5760.4	5826.6	5867.8	5881.1	5878.3
31°	4974.5	4991.5	5018.3	5353.5	5359.3	5706.3	5805.3	5866.4	5916.4	5920.9	5929.5
32°	5008.2	5039.4	5054.3	5225.0	5391.2	5750.4	5854.3	5905.0	5970.5	5963.4	5990.0
33°	5046.8	5088.3	5095.9	5087.7	5433.6	5768.2	5899.9	5948.6	6020.4	6019.0	6049.9
34°	5087.2	5133.9	5134.4	5111.2	5476.8	5801.5	5924.9	5999.2	6067.0	6072.2	6110.2
35°	5123.0	5175.3	5170.2	5133.1	5504.2	5825.8	5963.4	6054.9	6101.6	6124.8	6170.0
36°	5152.1	4883.8	5196.6	5169.1	5517.7	5849.0	5994.2	6101.1	6127.7	6165.1	6225.5
37°	4846.6	4860.4	4881.1	5207.4	5518.0	5849.9	6025.6	6145.7	6165.6	6213.2	6279.7
38°	4809.9	4905.9	4858.9	5221.6	5367.9	5738.6	6058.3	6205.0	6207.1	6257.8	6335.2
39°	4842.2	4957.1	4891.0	5244.9	5314.5	5662.4	6082.2	6266.1	6255.6	6314.2	6389.4
40°	4881.5	5008.0	4926.6	5046.9	5361.5	5708.7	6121.0	6323.5	6310.7	6374.3	6440.0
41°	4904.1	5020.7	4949.4	4986.9	5391.0	5757.6	6132.0	6390.4	6370.7	6434.9	6491.2
42°	4892.0	4657.1	4951.4	5015.3	5382.5	5789.3	6151.8	6451.6	6426.3	6494.4	6549.4
43°	4577.4	4683.9	4631.7	5018.1	5409.2	5760.1	6200.7	6503.2	6487.2	6554.9	6608.0
44°	4609.4	4716.6	4667.1	5044.3	5447.5	5777.1	6245.5	6556.1	6554.6	6608.2	6676.6



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4654.9	4743.5	4710.5	5068.1	5479.4	5824.1	6303.9	6602.0	6626.1	6669.4	6754.8
46°	4680.6	4647.8	4730.2	4817.3	5313.1	5862.9	6285.7	6637.3	6690.3	6742.7	6837.4
47°	4609.2	4319.6	4661.6	4808.3	5238.7	5887.0	6281.6	6685.5	6755.5	6816.9	6919.6
48°	4321.1	4339.0	4382.8	4841.8	5273.8	5879.9	6327.7	6736.1	6830.2	6895.8	6998.1
49°	4364.9	4362.4	4425.6	4857.4	5326.9	5759.3	6388.6	6781.4	6904.2	6974.5	7077.0
50°	4409.7	4379.0	4470.9	4850.3	5338.6	5769.8	6419.9	6821.6	6967.9	7053.4	7159.9
51°	4451.7	3947.3	4504.7	4558.2	5351.9	5790.3	6439.7	6840.9	7034.2	7137.3	7251.2
52°	4075.8	3958.4	4120.0	4601.5	5142.5	5818.7	6484.7	6803.1	7099.8	7218.8	7340.0
53°	4061.5	3974.3	4120.3	4649.6	5150.5	5871.5	6493.2	6780.8	7160.6	7291.9	7440.2
54°	4071.9	3659.6	4122.3	4694.4	5179.1	5870.9	6496.4	6793.3	7205.1	7367.3	7545.3
55°	3786.6	3494.8	3834.3	4393.0	5191.4	5867.5	6491.7	6819.2	7250.6	7437.5	7652.6
56°	3641.3	3495.4	3700.3	4369.5	5088.1	5827.7	6470.1	6840.9	7300.5	7514.7	7763.6
57°	3643.8	3126.5	3708.0	4387.4	4980.2	5723.4	6452.3	6836.0	7344.8	7592.5	7872.2
58°	3290.1	3024.3	3332.0	4164.0	5037.9	5735.1	6379.4	6821.5	7380.8	7659.3	7980.7
59°	3206.8	3003.4	3265.1	4081.2	5096.6	5720.4	6380.2	6812.2	7411.7	7726.2	8084.6
60°	3116.6	2516.0	3147.2	4082.2	5031.3	5688.5	6301.8	6797.8	7427.3	7802.1	8186.0
61°	2759.3	2497.0	2815.0	3768.3	4886.5	5621.5	6247.5	6754.2	7409.5	7873.8	8293.0
62°	2682.4	2008.3	2708.4	3761.3	4863.8	5559.7	6168.9	6709.7	7348.2	7932.3	8408.5
63°	2289.0	1737.1	2337.8	3519.2	4771.4	5532.0	6085.4	6621.9	7294.9	7985.4	8524.1
64°	2041.0	1466.0	2062.9	3447.6	4683.9	5452.0	6011.0	6555.9	7252.3	8042.4	8630.2
65°	1775.5	1195.4	1784.4	3179.3	4628.2	5341.8	5920.3	6455.5	7220.3	8097.0	8731.7
66°	1510.1	949.4	1506.1	3089.6	4496.2	5364.9	5825.2	6333.3	7185.3	8137.6	8827.0
67°	1242.9	631.3	1226.4	2837.9	4423.6	5383.0	5687.4	6163.2	7114.2	8164.2	8918.3
68°	924.5	313.3	885.8	2595.1	4301.8	5367.8	5554.8	5972.6	6993.6	8174.3	9001.8
69°	647.7	0.6	608.3	2318.6	4187.9	5171.3	5391.5	5620.9	6796.1	8150.1	9064.3
70°	580.0	0.4	520.5	2147.5	4072.0	5005.9	5150.2	5113.0	6503.4	8093.9	9092.4
71°	506.7	0.4	443.0	2031.3	3929.3	4858.5	4806.5	4586.0	6066.1	8009.6	9088.5
72°	426.7	0.4	357.9	1841.5	3762.8	4684.6	4413.5	4139.2	5556.5	7883.1	9051.0
73°	344.7	0.5	271.1	1632.5	3567.4	4446.8	4005.2	3790.9	5056.3	7661.4	8944.8
74°	272.2	0.5	194.1	1423.6	3325.7	4208.5	3609.7	3353.8	4569.8	7361.4	8745.8
75°	197.6	0.6	117.8	1214.2	3068.3	3938.0	3159.3	2627.2	4029.2	6970.6	8448.3
76°	122.9	0.7	67.0	976.3	2717.6	3581.5	2614.8	1676.8	3242.6	6470.9	8010.4
77°	59.0	0.9	30.8	752.4	2246.0	3165.6	2115.2	775.0	2194.1	5861.9	7338.7
78°	43.7	1.0	24.5	506.5	1737.2	2649.0	1615.7	561.6	1075.4	5035.2	6288.2
79°	28.3	1.2	18.2	360.9	1228.3	1936.0	1116.1	365.9	773.9	3923.6	4929.9
80°	13.1	1.4	12.0	215.3	725.3	1223.1	616.6	170.2	491.0	2515.1	3463.6
81°	11.5	1.7	10.6	70.0	514.3	520.3	134.5	145.6	208.1	1198.1	1936.0
82°	10.2	1.9	9.6	47.3	303.4	322.6	115.6	126.9	181.3	870.7	753.9
83°	9.2	2.2	8.8	37.8	95.9	126.0	98.6	108.4	157.4	553.7	583.7
84°	8.3	2.4	8.0	29.7	81.8	99.3	82.5	90.6	134.1	236.7	438.2
85°	7.6	2.7	7.4	22.9	68.9	79.0	67.0	72.5	112.1	187.1	292.7
86°	6.8	3.0	6.6	19.0	55.7	61.5	52.5	54.3	91.1	151.2	241.5
87°	6.2	3.3	6.0	15.2	41.3	46.6	39.8	36.2	73.5	120.9	185.7
88°	5.7	3.6	5.6	11.4	29.3	32.9	28.1	20.9	54.5	91.5	124.3
89°	5.1	3.8	5.1	8.3	17.4	19.2	16.4	9.0	35.5	71.4	72.1



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	4912.8	4912.8	4912.8
1°	4917.1	4917.5	4916.4
2°	4923.0	4922.6	4922.0
3°	4931.1	4929.8	4929.7
4°	4940.9	4938.6	4937.9
5°	4951.8	4948.8	4947.7
6°	4964.1	4959.2	4958.6
7°	4978.2	4972.9	4971.6
8°	4995.0	4988.3	4985.9
9°	5013.6	5005.8	5002.7
10°	5034.5	5025.4	5022.7
11°	5058.5	5047.9	5046.0
12°	5085.2	5072.6	5070.5
13°	5114.1	5100.6	5098.8
14°	5145.1	5133.1	5130.2
15°	5180.8	5167.2	5164.4
16°	5219.1	5203.8	5200.6
17°	5260.7	5243.5	5237.6
18°	5303.1	5282.5	5277.3
19°	5347.5	5324.4	5316.6
20°	5393.4	5366.1	5357.9
21°	5441.2	5411.2	5399.2
22°	5490.2	5457.3	5441.3
23°	5541.4	5507.1	5487.8
24°	5591.0	5558.3	5534.1
25°	5641.6	5613.2	5583.8
26°	5694.9	5670.0	5634.8
27°	5748.9	5725.2	5689.1
28°	5798.9	5783.5	5746.6
29°	5847.4	5840.7	5806.8
30°	5900.3	5899.6	5870.3
31°	5953.8	5959.7	5934.8
32°	6006.9	6018.8	6002.9
33°	6064.4	6079.6	6075.9
34°	6119.6	6141.8	6149.0
35°	6175.8	6204.1	6224.9
36°	6233.8	6263.8	6300.4
37°	6292.4	6322.8	6378.6
38°	6349.2	6379.7	6458.7
39°	6405.4	6436.3	6538.5
40°	6463.9	6498.2	6624.8
41°	6524.2	6566.4	6708.6
42°	6586.8	6641.5	6793.1
43°	6652.2	6719.6	6869.9
44°	6725.3	6804.1	6943.3



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	6802.8	6887.7	7013.6
46°	6889.0	6975.7	7080.2
47°	6977.7	7070.7	7143.3
48°	7063.8	7169.8	7205.2
49°	7152.4	7271.4	7270.8
50°	7246.4	7379.5	7338.9
51°	7346.0	7487.4	7410.3
52°	7448.6	7601.0	7482.9
53°	7555.5	7713.1	7563.5
54°	7668.5	7826.2	7652.1
55°	7779.8	7935.5	7739.1
56°	7894.9	8042.4	7827.7
57°	8006.5	8145.4	7912.8
58°	8120.5	8238.3	7995.6
59°	8238.3	8321.1	8076.8
60°	8357.0	8399.9	8156.4
61°	8476.5	8481.1	8223.5
62°	8592.8	8555.3	8282.1
63°	8705.2	8611.5	8338.3
64°	8814.5	8652.9	8411.7
65°	8924.6	8709.9	8488.2
66°	9033.8	8781.7	8534.2
67°	9124.4	8830.9	8540.5
68°	9183.7	8834.8	8531.9
69°	9247.0	8789.5	8432.0
70°	9289.1	8682.5	8102.5
71°	9268.0	8424.1	7457.1
72°	9150.9	7915.9	6623.9
73°	8981.5	7195.1	5809.5
74°	8721.6	6378.2	5011.1
75°	8245.4	5481.7	3825.3
76°	7582.4	4351.7	2281.6
77°	6793.9	2888.5	989.3
78°	5787.1	1428.7	755.4
79°	4375.2	642.8	536.8
80°	2552.2	476.5	318.2
81°	1206.4	331.0	289.6
82°	883.1	291.3	264.8
83°	590.5	260.4	240.0
84°	298.0	229.4	214.7
85°	239.6	198.6	188.3
86°	200.3	170.0	159.5
87°	165.3	143.4	131.0
88°	131.5	117.9	106.4
89°	92.0	91.7	87.5



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



REPORT NUMBER: P1436788

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5-HSS)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)