

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: P1436787

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436787
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)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

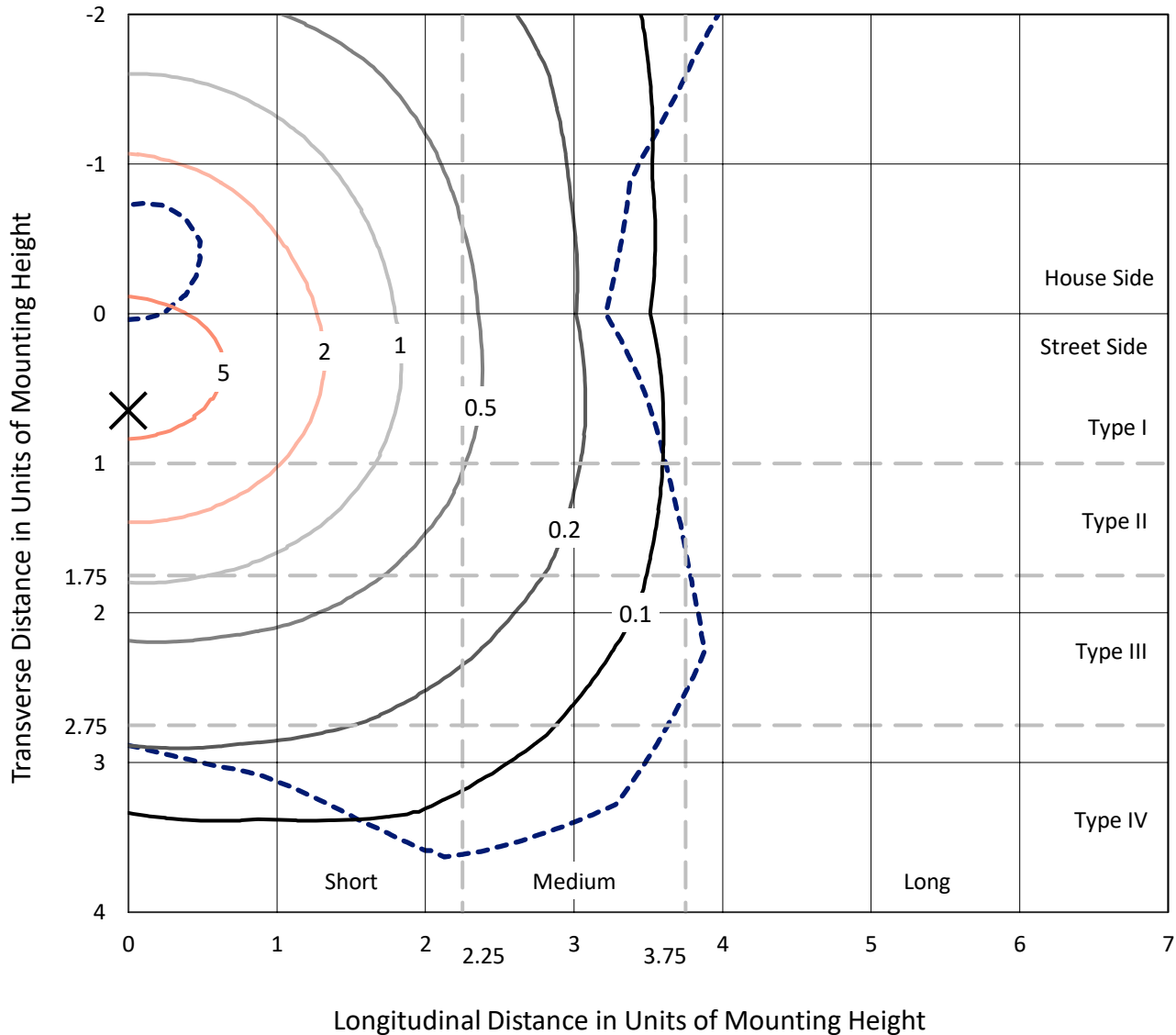
Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 35547.3 lumens
Efficiency: 76.3%
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 247.8
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

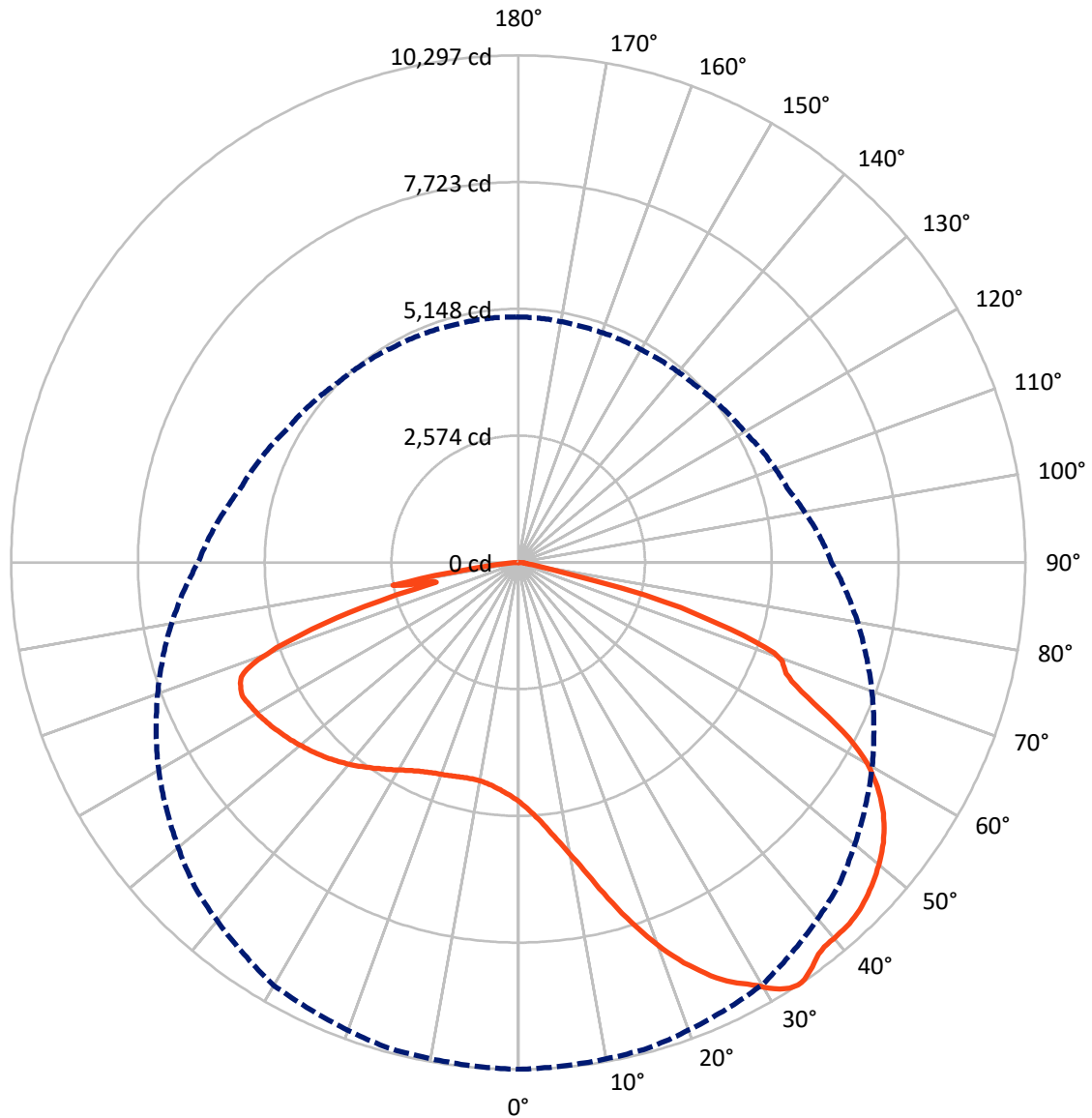
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1436787
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5)

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

REPORT NUMBER: P1436787

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

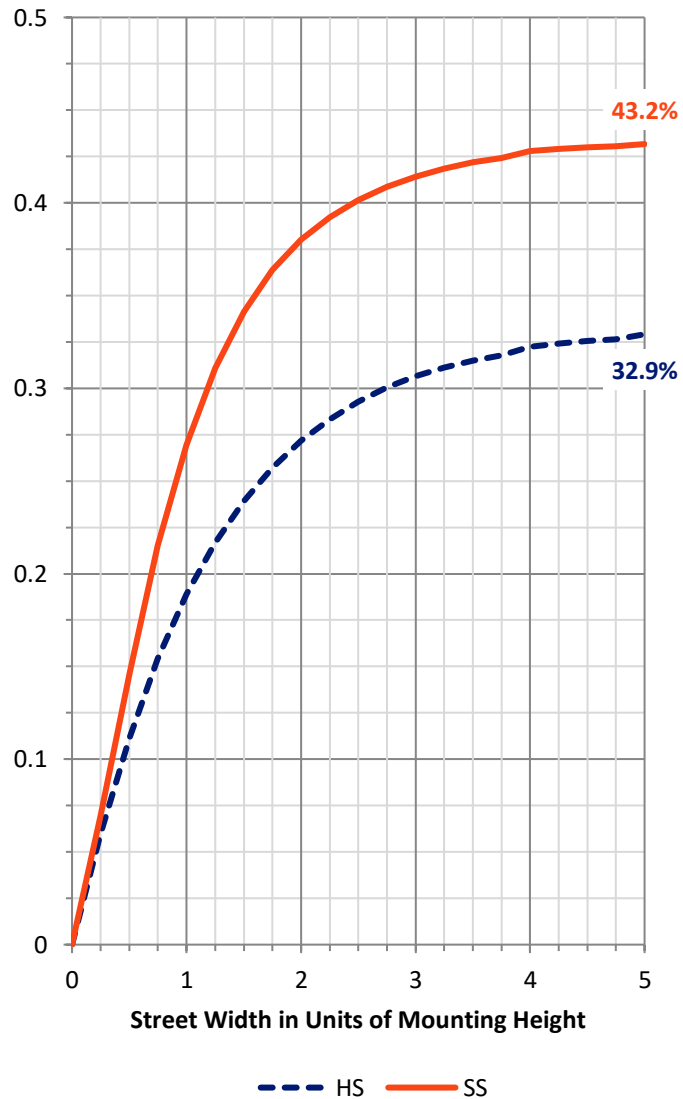
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15469.1	0.0	15469.1
	% Lamp	33.2	0.0	33.2
Street Side	Lumens	20078.2	0.0	20078.2
	% Lamp	43.1	0.0	43.1
Total	Lumens	35547.3	0.0	35547.3
	% Lamp	76.3	0.0	76.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	480.2	1.4	1.0
10°-20°	1588.6	4.5	3.4
20°-30°	2999.8	8.4	6.4
30°-40°	4520.6	12.7	9.7
40°-50°	5843.5	16.4	12.6
50°-60°	6998.7	19.7	15.0
60°-70°	7434.6	20.9	16.0
70°-80°	5094.5	14.3	10.9
80°-90°	586.8	1.7	1.3
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°	35547.3	100.0	76.3
0°-180°	35547.3	100.0	76.3

Coefficient of Utilization



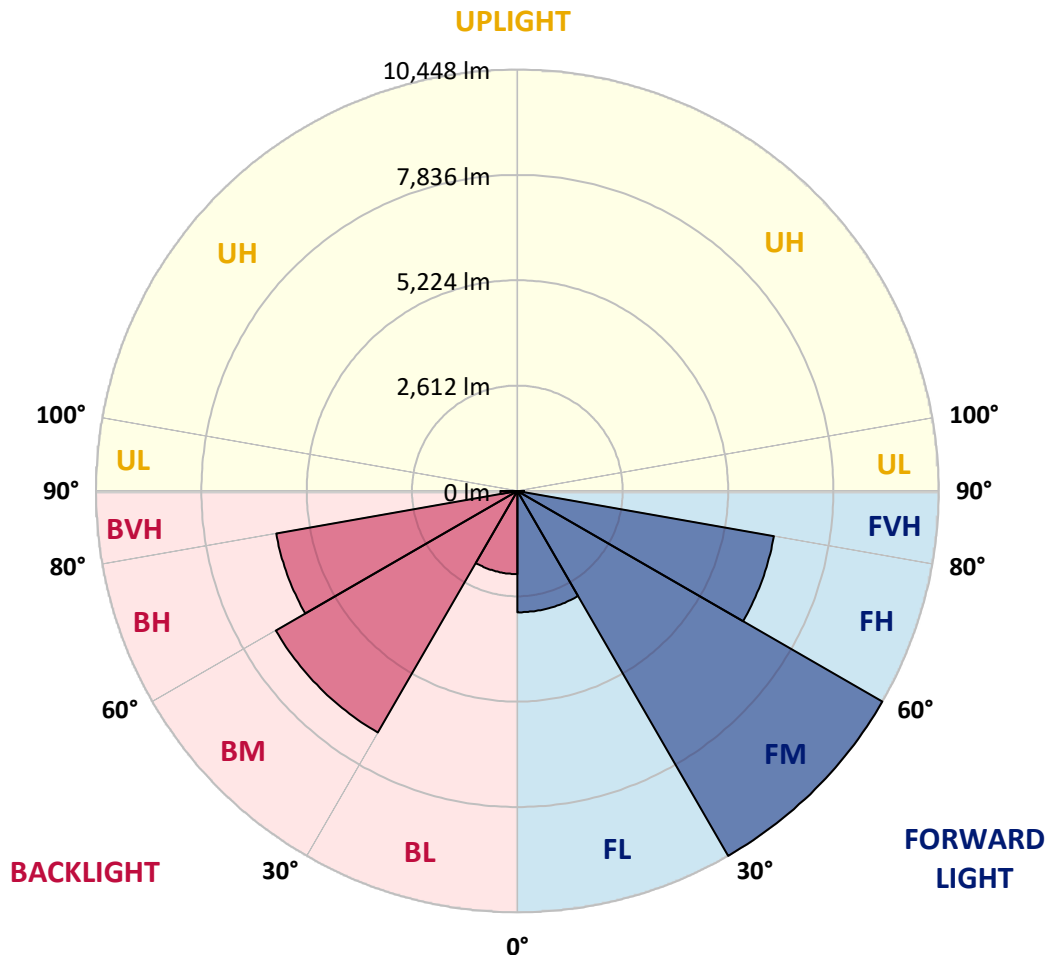
REPORT NUMBER: P1436787

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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°)	3008.4	6.5			
FM (30°-60°)	10448.2	22.4			
FH (60°-80°)	6459.0	13.9			G3/7500
FVH (80°-90°)	162.7	0.3			G2/225
BL (0°-30°)	2060.2	4.4	B3/2500		
BM (30°-60°)	6914.7	14.9	B4/8500		
BH (60°-80°)	6070.1	13.0	B5		G5
BVH (80°-90°)	424.1	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	11013.7	23.7			

BUG Rating: B5-U0-G5
 Type IV Short





REPORT NUMBER: P1436787

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5
1°	4952.4	4950.7	4945.6	4938.2	4924.6	4907.6	4873.5	4855.8	4840.5	4827.9	4819.5
2°	5034.5	5029.2	5015.7	4994.1	4962.9	4928.2	4875.7	4841.2	4809.9	4785.3	4768.8
3°	5127.5	5118.1	5094.3	5055.0	5006.6	4952.5	4882.2	4830.2	4784.6	4749.8	4726.0
4°	5231.6	5217.5	5181.7	5126.1	5056.5	4982.2	4891.5	4822.7	4764.7	4719.8	4689.4
5°	5346.4	5327.0	5276.4	5203.3	5114.2	5017.2	4906.1	4820.6	4748.8	4695.6	4658.8
6°	5473.7	5449.4	5387.0	5289.5	5176.2	5054.4	4923.2	4821.2	4736.2	4674.6	4630.3
7°	5611.1	5582.4	5502.9	5384.3	5242.5	5094.7	4941.2	4823.2	4727.7	4656.1	4605.2
8°	5757.5	5723.9	5629.2	5486.7	5314.0	5139.0	4963.0	4828.9	4722.2	4640.4	4584.8
9°	5919.5	5881.7	5767.9	5596.7	5392.5	5187.6	4988.0	4836.2	4717.3	4628.2	4568.1
10°	6094.5	6045.0	5912.9	5715.0	5477.2	5239.5	5016.6	4845.4	4713.5	4621.0	4556.2
11°	6284.1	6227.9	6072.6	5840.1	5566.4	5295.9	5046.6	4857.5	4712.4	4615.3	4548.8
12°	6487.9	6419.2	6239.9	5975.2	5662.0	5356.9	5080.0	4873.7	4715.3	4613.1	4545.3
13°	6707.7	6627.3	6421.6	6117.0	5762.4	5421.2	5119.4	4892.2	4721.8	4613.3	4546.1
14°	6939.7	6849.7	6609.9	6268.6	5872.0	5491.5	5163.5	4914.0	4730.2	4617.0	4550.7
15°	7181.0	7078.8	6806.2	6427.8	5985.1	5564.5	5208.9	4938.3	4741.2	4623.6	4557.8
16°	7429.4	7310.8	7009.5	6591.3	6105.8	5642.8	5258.1	4967.8	4755.3	4632.2	4567.5
17°	7674.3	7545.9	7217.0	6756.1	6230.2	5726.2	5311.8	4998.7	4773.7	4644.8	4580.7
18°	7916.3	7778.9	7423.7	6928.0	6357.7	5814.0	5368.7	5033.2	4793.9	4660.8	4596.4
19°	8152.2	8007.9	7631.1	7096.5	6486.7	5903.5	5425.7	5069.7	4817.6	4677.7	4613.4
20°	8382.0	8226.2	7830.0	7264.5	6618.8	5993.8	5485.1	5109.2	4843.1	4699.0	4633.5
21°	8597.3	8439.3	8027.0	7432.7	6753.1	6089.3	5547.2	5150.5	4871.2	4721.4	4652.7
22°	8801.1	8640.8	8211.7	7596.9	6886.1	6188.3	5610.0	5192.0	4901.9	4746.3	4675.0
23°	8989.7	8836.2	8394.2	7759.8	7022.7	6288.2	5672.6	5233.4	4933.7	4772.8	4698.1
24°	9172.2	9019.5	8569.0	7915.5	7152.6	6387.2	5733.3	5275.3	4966.7	4799.4	4722.7
25°	9346.2	9198.1	8741.6	8069.7	7283.5	6483.7	5794.9	5316.3	5000.6	4827.9	4748.0
26°	9493.6	9356.9	8908.0	8220.9	7410.3	6583.1	5858.6	5358.7	5036.1	4856.9	4773.6
27°	9628.7	9501.2	9069.9	8366.0	7536.7	6684.7	5922.5	5400.2	5071.7	4886.0	4800.5
28°	9750.1	9628.7	9218.7	8511.0	7662.1	6785.9	5989.3	5442.3	5107.9	4917.0	4827.6
29°	9879.9	9754.7	9360.0	8653.0	7782.7	6890.1	6059.6	5487.7	5146.0	4947.0	4858.0
30°	10034.1	9902.0	9498.2	8795.8	7903.3	6998.2	6133.3	5535.7	5184.6	4979.3	4888.6
31°	10163.1	10040.2	9650.1	8941.6	8029.3	7104.4	6208.6	5584.3	5224.5	5012.7	4921.5
32°	10259.3	10148.6	9790.6	9087.4	8159.1	7208.6	6287.5	5633.2	5265.0	5048.0	4954.8
33°	10296.7	10212.0	9907.4	9228.7	8299.5	7312.6	6364.7	5682.3	5305.6	5083.6	4987.9
34°	10275.4	10208.2	9986.0	9356.2	8436.2	7429.0	6445.3	5732.7	5342.9	5118.1	5020.8
35°	10202.1	10150.2	10000.5	9456.2	8555.3	7552.5	6528.9	5784.7	5381.1	5154.9	5057.3
36°	10105.1	10065.4	9964.6	9521.8	8662.2	7672.7	6615.8	5838.6	5420.1	5193.3	5096.3
37°	10023.4	9967.7	9903.6	9536.3	8742.3	7776.6	6701.7	5890.5	5462.2	5233.0	5141.0
38°	9985.3	9904.3	9840.2	9518.8	8804.2	7865.9	6791.5	5939.1	5504.8	5277.5	5187.4
39°	9971.5	9872.3	9794.4	9495.1	8833.2	7940.7	6883.3	5991.4	5548.5	5325.8	5235.9
40°	9966.9	9856.2	9772.2	9482.9	8842.4	7996.4	6966.4	6047.7	5594.3	5379.5	5286.6
41°	9963.1	9845.5	9765.4	9482.9	8856.1	8036.1	7037.0	6109.3	5642.5	5430.9	5336.6
42°	9951.7	9837.1	9764.6	9497.4	8882.8	8072.0	7094.8	6167.1	5694.7	5487.6	5388.3
43°	9929.5	9824.9	9763.8	9522.6	8915.6	8114.8	7142.0	6219.6	5750.4	5544.9	5437.5
44°	9894.4	9809.7	9760.8	9551.6	8955.3	8169.8	7188.6	6270.5	5809.6	5606.6	5486.3



REPORT NUMBER: P1436787

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	9847.8	9783.7	9753.9	9578.3	9000.4	8230.8	7239.1	6324.2	5868.5	5667.8	5533.5
46°	9790.6	9750.1	9742.5	9600.5	9050.8	8291.9	7293.9	6381.0	5930.4	5728.5	5579.9
47°	9728.7	9714.2	9728.7	9616.5	9101.9	8355.3	7346.5	6444.0	5991.5	5787.7	5628.2
48°	9663.1	9673.8	9710.4	9628.0	9151.6	8419.4	7400.6	6510.6	6053.1	5846.9	5675.6
49°	9595.1	9631.8	9684.5	9635.6	9201.2	8481.2	7451.7	6577.4	6117.5	5904.8	5727.7
50°	9521.8	9588.3	9653.1	9638.6	9247.0	8543.1	7499.7	6647.3	6181.8	5962.2	5780.1
51°	9438.6	9537.9	9615.7	9637.9	9289.0	8600.3	7543.3	6717.0	6245.2	6020.7	5837.5
52°	9345.5	9476.0	9573.0	9632.5	9331.7	8657.6	7582.9	6786.4	6308.6	6080.8	5898.3
53°	9242.4	9406.6	9527.2	9626.4	9367.6	8708.0	7618.3	6853.0	6375.1	6143.3	5962.7
54°	9126.4	9317.2	9477.6	9613.4	9398.2	8754.6	7654.4	6915.5	6444.6	6209.4	6030.8
55°	8997.3	9212.6	9422.6	9595.9	9424.9	8795.8	7687.2	6974.5	6514.2	6278.0	6100.9
56°	8850.8	9092.0	9354.6	9569.2	9446.3	8831.7	7718.5	7031.1	6585.1	6351.3	6170.2
57°	8685.1	8953.1	9272.9	9534.0	9460.0	8862.2	7746.0	7085.6	6658.5	6430.3	6239.1
58°	8501.1	8792.7	9172.9	9492.1	9465.3	8885.9	7766.6	7135.1	6735.1	6513.8	6305.5
59°	8304.9	8610.3	9062.2	9444.7	9460.8	8899.6	7781.9	7180.1	6808.0	6598.9	6366.8
60°	8069.7	8406.4	8934.0	9388.2	9444.7	8902.7	7789.6	7220.5	6881.4	6688.2	6425.3
61°	7778.1	8169.0	8791.2	9318.0	9414.9	8888.2	7786.5	7252.0	6957.5	6780.8	6490.6
62°	7431.0	7884.2	8630.9	9234.0	9379.8	8856.1	7772.8	7276.0	7035.0	6875.7	6556.6
63°	7041.5	7555.4	8447.7	9133.2	9330.2	8817.2	7755.2	7294.8	7111.8	6971.3	6622.4
64°	6656.0	7207.6	8243.0	9017.2	9262.3	8760.7	7726.9	7301.0	7185.3	7069.8	6684.4
65°	6321.3	6882.1	8021.6	8881.3	9182.9	8688.1	7682.7	7299.2	7256.0	7165.2	6744.6
66°	6055.6	6583.9	7783.4	8727.1	9085.9	8604.9	7614.7	7290.5	7315.8	7260.0	6806.2
67°	5885.6	6334.0	7550.4	8546.1	8957.6	8486.6	7514.6	7254.3	7370.6	7345.9	6861.6
68°	5798.5	6150.8	7327.4	8340.8	8805.7	8326.3	7354.5	7186.8	7416.8	7429.4	6912.0
69°	5722.8	6022.3	7121.3	8113.3	8614.8	8117.8	7101.8	7060.4	7447.4	7501.7	6938.9
70°	5508.8	5909.4	6929.7	7867.4	8382.8	7824.7	6711.2	6841.3	7445.0	7565.6	6954.6
71°	5083.8	5710.4	6762.0	7616.2	8110.2	7427.6	6150.0	6515.3	7394.7	7609.7	6955.3
72°	4517.1	5366.6	6597.8	7359.8	7793.4	6936.5	5536.3	6089.2	7283.7	7629.2	6909.7
73°	3949.7	4884.1	6410.3	7111.1	7425.7	6363.0	4966.1	5608.5	7090.7	7597.5	6823.2
74°	3424.6	4347.2	6178.7	6852.9	6999.1	5766.8	4446.4	5151.5	6837.9	7501.5	6678.8
75°	2661.3	3756.9	5878.5	6540.8	6528.0	5139.7	3839.1	4712.8	6531.6	7322.1	6412.0
76°	1627.6	3025.6	5456.5	6187.8	6011.5	4459.8	2935.6	4154.7	6218.7	7035.1	6048.3
77°	720.3	1998.6	4914.3	5690.6	5430.4	3576.0	1905.7	3297.8	5869.2	6564.9	5643.1
78°	541.4	967.3	4223.1	5023.0	4728.9	2456.7	882.5	2343.8	5430.2	5871.9	5133.1
79°	374.9	706.1	3336.6	4185.3	3892.7	1355.6	358.3	1389.8	4716.9	4950.9	4441.4
80°	208.4	460.1	2153.6	3165.8	2900.4	620.1	238.6	446.8	3606.1	3941.9	3731.3
81°	181.7	214.2	1090.8	2077.0	1768.7	426.5	206.1	270.2	2554.1	3042.5	3139.1
82°	160.0	183.5	797.2	1015.4	819.2	244.7	181.4	220.7	1502.1	2294.7	2763.3
83°	138.8	158.5	513.9	752.7	591.3	201.3	156.6	187.3	470.5	1831.7	2575.1
84°	117.5	133.8	230.5	498.1	385.0	168.5	131.8	153.8	309.6	1368.7	1951.0
85°	95.5	109.4	171.0	243.5	178.8	137.0	108.7	120.4	249.3	907.4	1327.0
86°	71.6	86.4	125.3	198.7	136.7	105.4	85.6	94.3	200.3	558.6	715.9
87°	51.9	65.0	93.6	152.2	103.4	77.0	61.7	70.8	151.2	388.5	499.8
88°	32.3	43.6	64.7	99.7	74.0	53.7	39.4	50.0	102.6	218.5	283.7
89°	12.7	22.2	35.8	53.1	41.5	30.6	27.6	34.8	70.0	48.8	72.1



REPORT NUMBER: P1436787

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

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: P1436787

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

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: P1436787

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

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: P1436787

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5	4881.5
1°	4815.8	4816.0	4822.4	4832.1	4847.0	4863.1	4880.3	4880.9	4898.0	4914.1	4929.5
2°	4760.5	4760.0	4768.6	4785.7	4809.5	4839.8	4872.6	4890.6	4925.6	4958.7	4988.6
3°	4713.6	4710.8	4722.2	4744.2	4776.3	4819.1	4867.3	4902.8	4956.7	5008.7	5055.5
4°	4673.0	4670.4	4682.8	4708.8	4749.3	4802.4	4865.0	4917.6	4990.6	5063.3	5130.9
5°	4637.8	4633.6	4648.9	4679.3	4726.2	4788.8	4864.8	4934.5	5026.7	5121.0	5211.8
6°	4604.5	4600.3	4617.2	4652.1	4705.9	4778.0	4868.6	4955.1	5066.8	5185.2	5299.3
7°	4576.0	4570.5	4588.9	4628.7	4687.3	4769.2	4872.8	4977.2	5110.8	5254.2	5393.2
8°	4551.8	4545.2	4565.6	4609.6	4672.5	4762.0	4878.8	5001.1	5157.8	5328.5	5493.9
9°	4533.1	4525.1	4547.2	4592.2	4662.0	4757.1	4887.5	5027.7	5209.0	5407.6	5602.7
10°	4518.0	4510.4	4532.2	4579.6	4653.3	4755.2	4900.9	5060.1	5264.0	5493.1	5720.9
11°	4509.1	4501.1	4522.8	4572.2	4647.8	4758.5	4917.5	5097.1	5326.0	5585.6	5847.2
12°	4506.3	4497.1	4518.2	4568.2	4647.3	4764.5	4937.8	5137.8	5392.9	5684.4	5982.0
13°	4507.4	4496.9	4519.1	4568.8	4650.4	4775.0	4961.6	5180.9	5464.4	5790.0	6130.3
14°	4510.5	4500.8	4522.9	4574.3	4655.8	4787.6	4987.9	5225.6	5538.0	5903.4	6283.6
15°	4518.1	4507.3	4529.0	4581.8	4665.4	4803.6	5016.5	5276.1	5616.7	6021.2	6446.5
16°	4528.3	4517.2	4538.9	4592.3	4680.1	4822.7	5048.2	5330.2	5698.9	6147.3	6615.3
17°	4540.0	4529.5	4552.3	4606.0	4696.7	4845.2	5082.6	5386.4	5786.7	6276.0	6787.3
18°	4555.1	4543.3	4568.3	4623.9	4714.9	4869.5	5120.5	5446.6	5875.7	6410.2	6966.0
19°	4571.9	4557.5	4585.9	4644.1	4736.1	4896.0	5159.7	5506.9	5968.2	6546.0	7138.7
20°	4588.5	4572.6	4604.5	4666.5	4759.5	4926.1	5202.8	5569.4	6064.5	6683.5	7314.5
21°	4604.3	4587.8	4624.9	4691.1	4786.2	4958.5	5247.1	5633.9	6165.0	6824.1	7484.6
22°	4621.5	4603.5	4645.6	4716.0	4813.7	4993.0	5292.7	5697.4	6264.3	6962.2	7651.4
23°	4640.4	4622.4	4667.0	4743.2	4842.6	5028.9	5338.5	5761.2	6367.1	7102.2	7814.0
24°	4662.6	4644.6	4690.4	4771.5	4871.1	5066.8	5385.8	5824.4	6468.6	7239.1	7970.5
25°	4686.5	4669.3	4716.9	4802.1	4900.2	5106.0	5431.5	5890.1	6571.8	7374.2	8122.4
26°	4713.0	4698.2	4746.2	4832.3	4930.0	5144.2	5478.5	5954.3	6676.0	7503.2	8271.3
27°	4743.0	4730.8	4777.9	4861.5	4960.6	5183.3	5525.4	6022.2	6780.1	7633.3	8423.2
28°	4775.4	4766.5	4813.2	4891.1	4993.5	5223.3	5574.0	6094.2	6887.1	7759.8	8578.2
29°	4810.9	4805.3	4849.9	4922.6	5027.0	5262.1	5624.9	6168.9	6997.7	7888.8	8727.1
30°	4847.6	4847.8	4886.7	4953.8	5061.9	5301.7	5677.7	6247.5	7109.6	8023.2	8874.4
31°	4883.9	4890.1	4923.2	4985.9	5097.8	5340.6	5731.0	6330.0	7227.1	8163.6	9032.5
32°	4921.2	4936.9	4960.6	5018.2	5133.6	5380.2	5782.5	6411.9	7346.7	8301.1	9169.9
33°	4959.6	4984.1	4998.4	5051.6	5169.7	5418.3	5834.6	6499.8	7470.9	8433.9	9302.0
34°	4998.6	5029.8	5035.8	5084.9	5204.9	5454.1	5888.2	6587.8	7587.5	8557.6	9408.8
35°	5037.9	5078.4	5074.7	5121.0	5240.9	5491.1	5942.7	6675.7	7697.2	8666.8	9483.7
36°	5078.1	5128.9	5114.2	5160.1	5277.4	5530.3	5995.9	6759.6	7801.8	8752.3	9515.7
37°	5119.4	5177.8	5152.5	5204.8	5318.2	5570.2	6045.1	6847.6	7891.1	8803.4	9518.8
38°	5157.5	5225.7	5189.1	5252.0	5365.3	5612.2	6094.7	6929.7	7959.0	8827.9	9500.5
39°	5194.7	5276.8	5225.6	5302.6	5415.8	5656.6	6139.9	7003.0	8007.9	8843.1	9481.4
40°	5234.2	5327.9	5263.8	5353.3	5468.7	5701.0	6188.6	7067.7	8042.3	8859.2	9476.8
41°	5274.4	5374.7	5305.3	5404.3	5525.1	5749.0	6235.4	7126.6	8074.3	8882.8	9491.3
42°	5315.6	5422.1	5349.0	5454.2	5584.8	5799.0	6286.8	7181.5	8117.8	8914.1	9521.1
43°	5357.8	5467.2	5393.8	5502.9	5645.4	5851.3	6345.4	7237.3	8176.6	8952.3	9555.4
44°	5400.7	5511.9	5440.8	5552.2	5704.2	5910.7	6407.3	7291.5	8241.5	9000.4	9587.5



REPORT NUMBER: P1436787

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5445.8	5556.0	5487.7	5601.0	5763.1	5972.7	6469.2	7343.6	8303.4	9055.4	9615.0
46°	5492.8	5598.3	5538.1	5650.5	5820.7	6038.3	6529.2	7396.1	8363.7	9114.9	9637.9
47°	5544.4	5642.9	5590.6	5699.3	5878.4	6107.6	6594.0	7450.3	8424.0	9173.7	9653.9
48°	5600.9	5681.1	5646.8	5748.2	5934.4	6179.6	6666.0	7497.9	8488.9	9227.1	9664.6
49°	5660.6	5719.7	5705.2	5800.2	5991.4	6249.3	6738.0	7541.4	8553.8	9276.0	9673.0
50°	5719.3	5758.1	5766.9	5855.7	6049.5	6317.3	6809.8	7580.3	8613.3	9318.8	9676.8
51°	5780.0	5799.5	5827.7	5914.2	6108.2	6381.7	6880.5	7616.6	8669.8	9357.7	9676.8
52°	5841.9	5838.4	5891.2	5976.9	6170.4	6445.9	6948.4	7654.4	8720.2	9392.8	9673.8
53°	5904.1	5874.8	5953.6	6042.8	6234.1	6512.5	7010.7	7688.0	8765.2	9424.1	9668.4
54°	5965.8	5909.8	6013.5	6110.4	6301.6	6580.5	7067.2	7720.1	8803.4	9450.1	9657.0
55°	6021.5	5946.1	6067.0	6181.7	6374.4	6651.8	7119.0	7746.0	8834.7	9467.6	9640.2
56°	6069.8	5981.5	6114.4	6252.7	6451.4	6724.8	7166.3	7769.7	8857.6	9482.1	9613.4
57°	6110.1	6016.4	6158.7	6325.1	6533.1	6796.1	7209.4	7791.1	8868.3	9487.5	9578.3
58°	6149.3	6050.2	6198.5	6389.6	6620.3	6867.4	7248.6	7804.8	8874.4	9479.8	9526.4
59°	6186.3	6083.5	6235.4	6449.2	6709.8	6938.4	7281.5	7808.6	8870.6	9463.0	9469.9
60°	6221.0	6112.3	6267.3	6510.4	6801.9	7006.9	7306.1	7804.1	8851.5	9439.4	9402.0
61°	6249.5	6139.0	6294.1	6577.7	6895.6	7075.1	7321.9	7798.7	8820.2	9406.6	9331.0
62°	6272.5	6166.7	6318.9	6645.4	6991.4	7146.4	7329.4	7787.3	8779.0	9356.9	9247.0
63°	6299.3	6192.6	6345.8	6704.3	7084.0	7216.3	7332.2	7759.8	8724.0	9292.0	9144.7
64°	6323.6	6219.2	6374.3	6758.8	7180.7	7282.2	7325.2	7717.8	8653.8	9210.3	9016.4
65°	6345.9	6224.1	6393.9	6814.5	7274.6	7344.8	7306.4	7646.0	8556.8	9108.8	8863.0
66°	6358.4	6191.6	6392.6	6872.6	7361.3	7400.8	7263.8	7532.7	8426.3	8982.8	8684.3
67°	6352.0	6154.8	6376.7	6920.7	7444.5	7435.0	7186.4	7380.3	8253.0	8837.8	8489.6
68°	6333.6	6090.2	6353.3	6959.9	7515.5	7439.4	7065.2	7132.3	8030.8	8656.8	8276.6
69°	6277.4	5922.3	6286.7	6980.4	7574.5	7415.7	6875.0	6743.1	7747.6	8437.0	8049.1
70°	6153.4	5637.9	6141.2	6982.0	7617.4	7359.0	6567.6	6194.1	7359.1	8175.1	7797.9
71°	5932.4	5205.9	5893.3	6956.1	7638.4	7249.9	6134.1	5558.0	6846.8	7856.7	7533.3
72°	5574.2	4675.4	5506.6	6893.1	7619.5	7091.2	5658.4	4990.4	6270.6	7503.8	7266.7
73°	5077.8	4131.0	5029.7	6792.3	7523.5	6852.0	5215.1	4479.4	5652.9	7070.8	6988.1
74°	4536.9	3585.7	4486.8	6599.7	7339.3	6567.6	4791.1	3897.1	5046.5	6568.4	6687.6
75°	3974.9	2903.3	3904.4	6292.6	7075.7	6269.7	4206.2	2997.9	4363.5	6007.6	6327.8
76°	3373.4	2185.7	3295.9	5927.9	6674.9	5948.6	3338.1	1869.9	3500.4	5417.3	5901.8
77°	2694.8	1711.1	2659.2	5502.6	6066.4	5518.0	2362.4	874.4	2416.9	4739.3	5308.7
78°	2249.7	1794.4	2282.2	4955.3	5237.6	4836.1	1386.8	638.7	1313.1	3920.4	4481.3
79°	2326.8	2263.1	2454.2	4244.0	4321.5	3798.0	413.5	426.9	583.8	2974.0	3508.1
80°	2796.3	2583.1	2908.5	3509.7	3422.0	2683.2	269.6	215.1	414.8	1874.7	2429.3
81°	2959.0	2003.3	2900.8	2863.3	2658.4	1568.4	221.8	184.7	247.4	893.2	1344.1
82°	2237.8	1423.5	2177.1	2597.1	2115.8	475.4	190.3	160.9	204.8	652.2	969.7
83°	1516.8	845.9	1453.2	2046.8	1573.2	319.2	158.8	137.8	173.3	423.1	615.0
84°	798.9	451.4	733.2	1496.7	1032.9	261.8	127.4	114.4	143.8	194.0	260.2
85°	422.2	272.2	408.4	946.6	601.3	213.1	101.5	89.9	112.1	145.0	219.1
86°	338.2	95.3	327.1	526.6	423.4	164.4	78.2	67.6	84.1	110.8	176.5
87°	254.1	64.3	245.9	421.6	245.5	115.8	56.6	45.2	60.3	81.1	125.3
88°	170.1	33.2	164.7	316.6	69.1	87.9	39.0	22.9	36.6	51.7	68.4
89°	86.1	3.0	83.5	211.5	36.5	60.0	21.5	7.6	13.0	39.3	51.6



REPORT NUMBER: P1436787

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

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: P1436787

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

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: P1436787

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

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: P1436787

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4881.5	4881.5	4881.5
1°	4939.8	4948.9	4952.4
2°	5013.1	5029.6	5034.5
3°	5095.2	5119.8	5127.5
4°	5185.6	5220.4	5231.6
5°	5283.9	5331.3	5346.4
6°	5392.3	5453.4	5473.7
7°	5509.4	5585.9	5611.1
8°	5634.3	5727.1	5757.5
9°	5770.3	5882.0	5919.5
10°	5917.1	6051.8	6094.5
11°	6075.2	6233.0	6284.1
12°	6243.8	6425.6	6487.9
13°	6427.2	6634.7	6707.7
14°	6615.3	6853.9	6939.7
15°	6812.7	7082.3	7181.0
16°	7021.5	7320.4	7429.4
17°	7237.4	7557.5	7674.3
18°	7451.1	7797.9	7916.3
19°	7658.2	8025.5	8152.2
20°	7860.6	8244.6	8382.0
21°	8056.8	8451.5	8597.3
22°	8243.8	8650.0	8801.1
23°	8422.5	8846.2	8989.7
24°	8597.3	9034.7	9172.2
25°	8771.4	9216.5	9346.2
26°	8943.9	9382.1	9493.6
27°	9111.1	9527.9	9628.7
28°	9260.7	9654.7	9750.1
29°	9402.7	9786.0	9879.9
30°	9546.3	9930.3	10034.1
31°	9689.0	10063.9	10163.1
32°	9823.4	10161.6	10259.3
33°	9920.4	10209.7	10296.7
34°	9971.5	10200.5	10275.4
35°	9972.3	10140.2	10202.1
36°	9938.7	10047.9	10105.1
37°	9876.1	9957.8	10023.4
38°	9819.6	9898.2	9985.3
39°	9791.3	9872.3	9971.5
40°	9781.4	9859.3	9966.9
41°	9779.1	9853.2	9963.1
42°	9779.1	9846.3	9951.7
43°	9779.9	9837.9	9929.5
44°	9779.9	9823.4	9894.4

REPORT NUMBER: P1436787

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	9777.6	9798.2	9847.8
46°	9773.0	9764.6	9790.6
47°	9763.1	9727.2	9728.7
48°	9748.6	9686.7	9663.1
49°	9723.4	9644.8	9595.1
50°	9692.8	9604.3	9521.8
51°	9653.9	9557.0	9438.6
52°	9608.9	9498.2	9345.5
53°	9561.5	9427.9	9242.4
54°	9512.7	9337.8	9126.4
55°	9456.9	9232.5	8997.3
56°	9389.8	9111.1	8850.8
57°	9306.5	8969.9	8685.1
58°	9204.2	8807.2	8501.1
59°	9091.2	8622.5	8304.9
60°	8961.5	8420.9	8069.7
61°	8810.3	8191.1	7778.1
62°	8645.4	7915.5	7431.0
63°	8471.3	7593.9	7041.5
64°	8278.2	7242.9	6656.0
65°	8062.1	6915.7	6321.3
66°	7829.2	6633.9	6055.6
67°	7598.7	6394.3	5885.6
68°	7369.6	6213.2	5798.5
69°	7170.7	6072.0	5722.8
70°	6996.3	5947.5	5508.8
71°	6815.8	5747.3	5083.8
72°	6609.8	5393.3	4517.1
73°	6414.4	4902.9	3949.7
74°	6165.7	4339.6	3424.6
75°	5796.0	3728.6	2661.3
76°	5306.9	2984.3	1627.6
77°	4741.6	1997.4	720.3
78°	4019.1	1003.6	541.4
79°	3018.8	724.9	374.9
80°	1753.3	472.8	208.4
81°	838.4	220.7	181.7
82°	625.4	183.2	160.0
83°	417.7	159.8	138.8
84°	210.0	133.9	117.5
85°	153.3	107.5	95.5
86°	115.2	83.6	71.6
87°	84.5	61.8	51.9
88°	67.8	40.1	32.3
89°	51.5	18.4	12.7



REPORT NUMBER: P1436787

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

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: P1436787

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

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: P1436787
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)