

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: P1436792

Luminaire Tested: XAS300-SFPM (3000K-300W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436792
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-300W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 34722.2 lumens
Efficiency: 76.3%
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

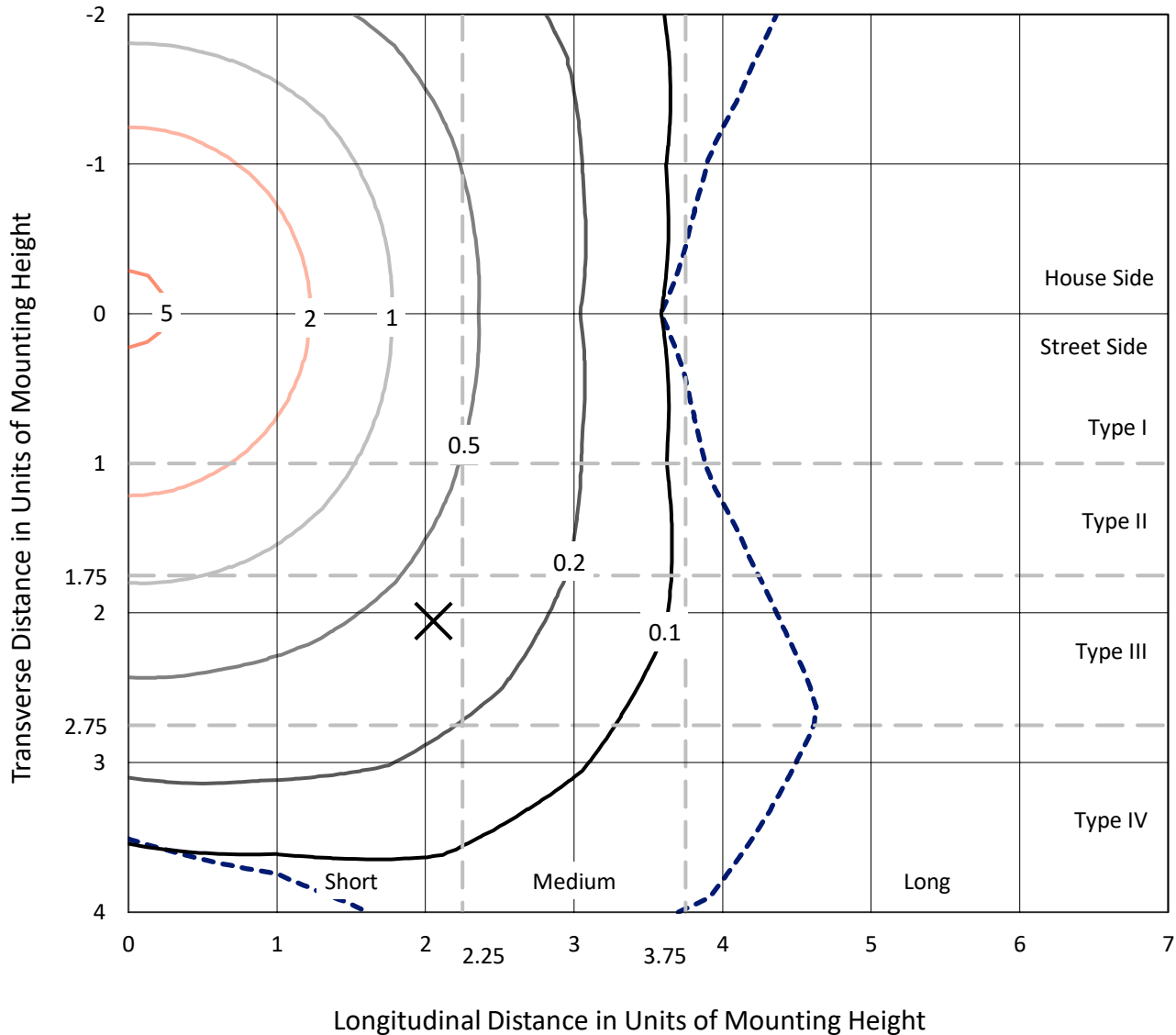
Input Watts (W): 291.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

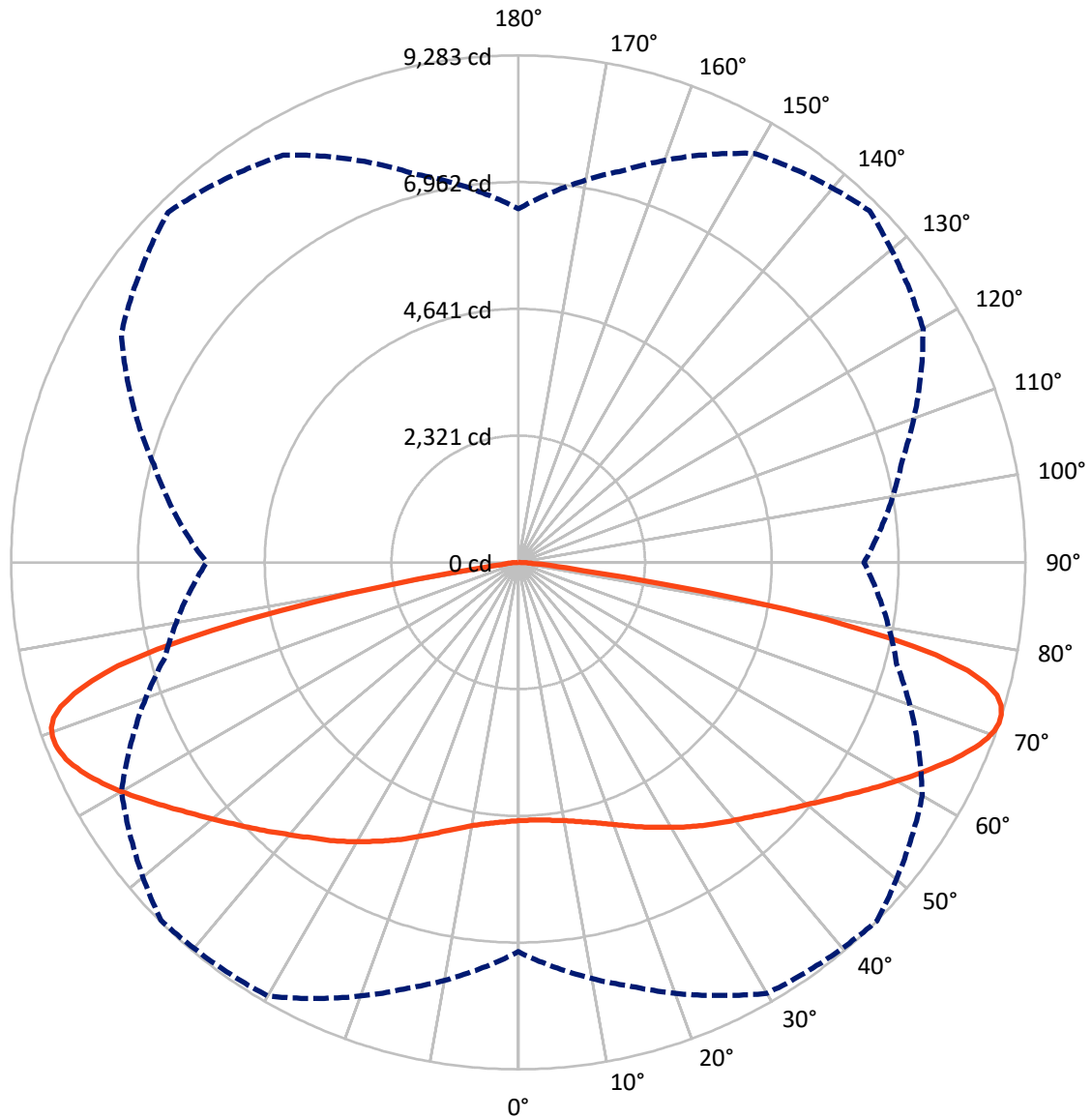


Based on 30 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

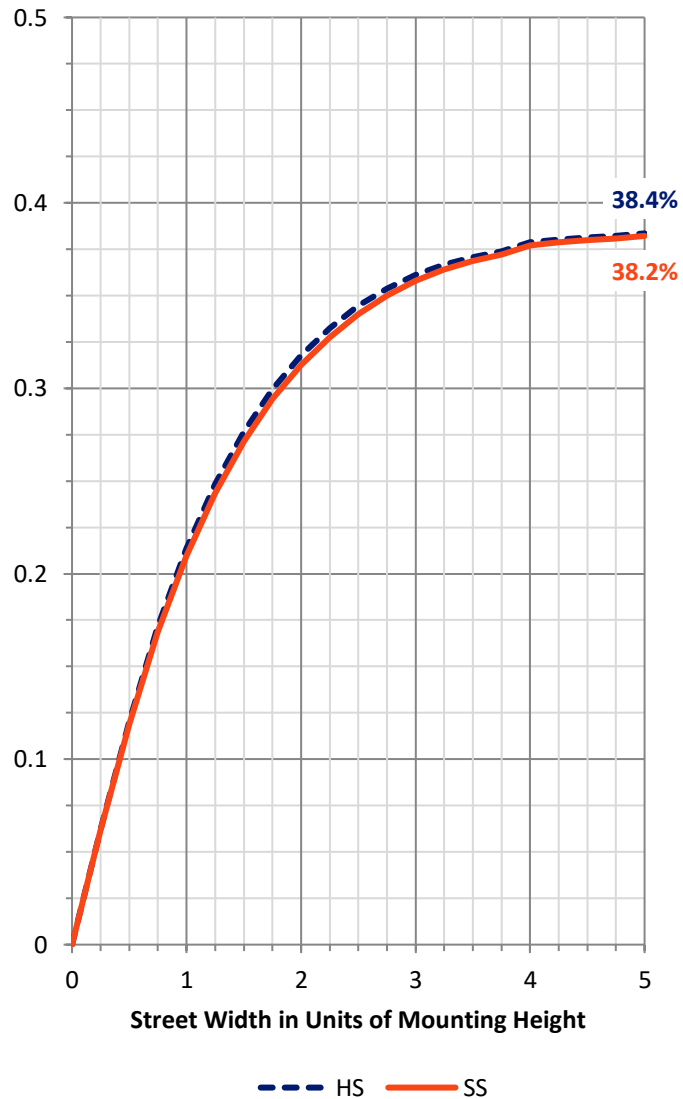
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17364.9	0.0	17364.9
	% Lamp	38.1	0.0	38.1
Street Side	Lumens	17357.3	0.0	17357.3
	% Lamp	38.1	0.0	38.1
Total	Lumens	34722.2	0.0	34722.2
	% Lamp	76.3	0.0	76.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	456.6	1.3	1.0
10°-20°	1425.2	4.1	3.1
20°-30°	2539.9	7.3	5.6
30°-40°	3800.7	10.9	8.3
40°-50°	5202.7	15.0	11.4
50°-60°	6784.1	19.5	14.9
60°-70°	8179.0	23.6	18.0
70°-80°	5977.5	17.2	13.1
80°-90°	356.6	1.0	0.8
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°	34722.2	100.0	76.3
0°-180°	34722.2	100.0	76.3

Coefficient of Utilization



REPORT NUMBER: P1436792

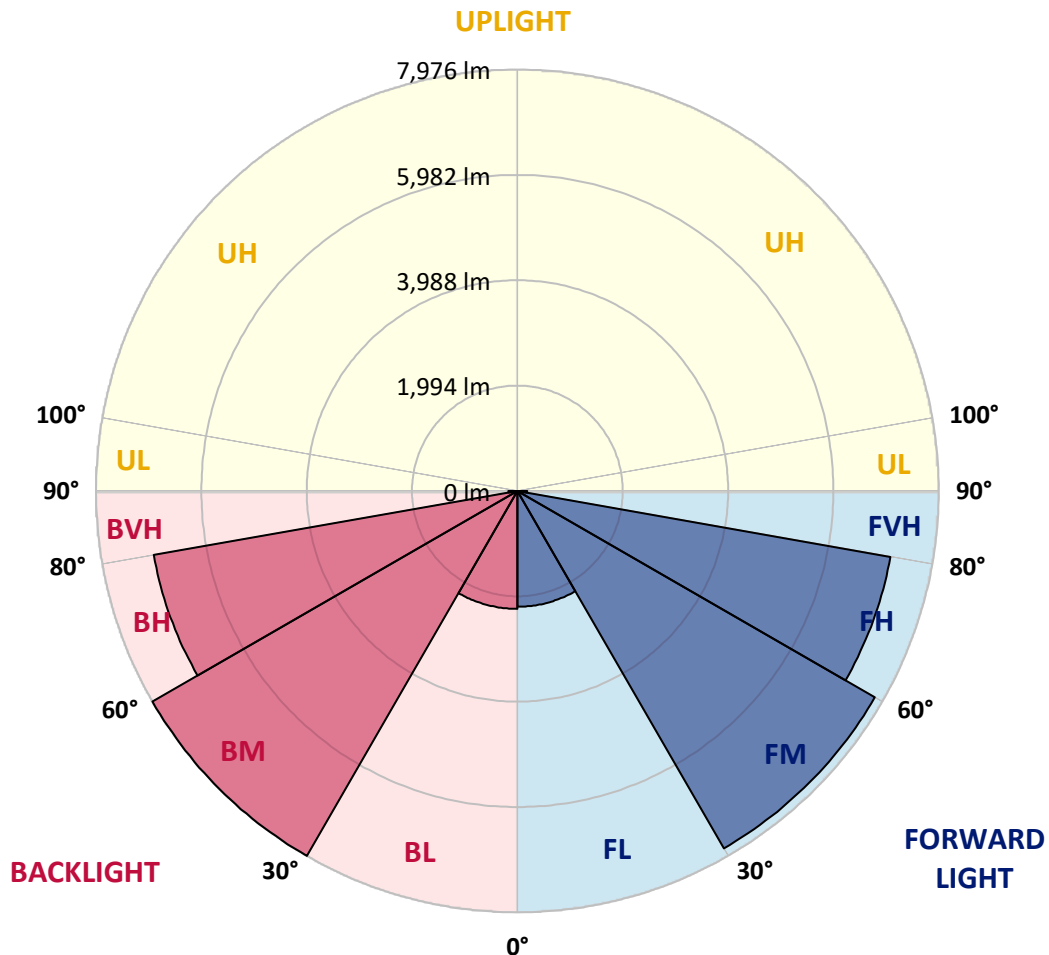
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2190.9	4.8			
FM (30°-60°)	7811.7	17.2			
FH (60°-80°)	7169.2	15.7			G3/7500
FVH (80°-90°)	185.5	0.4			G2/225
BL (0°-30°)	2230.8	4.9	B3/2500		
BM (30°-60°)	7975.8	17.5	B4/8500		
BH (60°-80°)	6987.3	15.3	B5		G3/7500
BVH (80°-90°)	171.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	10812.8	23.7			

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3
1°	4725.5	4724.1	4724.4	4725.2	4726.0	4727.7	4723.9	4723.9	4724.7	4726.0	4726.5
2°	4725.1	4724.1	4724.1	4725.1	4726.6	4727.9	4724.7	4725.5	4727.1	4729.5	4730.8
3°	4727.9	4725.6	4726.3	4726.6	4729.7	4732.3	4728.9	4730.6	4733.0	4735.9	4737.7
4°	4731.1	4729.4	4730.4	4732.7	4735.7	4738.5	4735.7	4737.7	4741.6	4744.6	4746.4
5°	4735.7	4734.4	4736.6	4739.4	4744.7	4749.3	4746.8	4749.1	4751.7	4755.4	4759.0
6°	4743.4	4740.9	4744.7	4749.6	4756.8	4762.0	4760.1	4762.1	4764.4	4767.7	4772.7
7°	4752.4	4751.3	4754.6	4762.6	4770.3	4774.7	4773.8	4776.7	4778.7	4782.5	4788.6
8°	4763.0	4762.0	4768.1	4776.8	4784.6	4791.5	4790.4	4793.6	4797.2	4800.8	4808.5
9°	4776.6	4774.6	4782.8	4791.8	4802.8	4810.1	4809.3	4812.3	4817.8	4822.7	4830.1
10°	4792.9	4791.7	4800.1	4810.7	4824.0	4831.6	4830.4	4832.8	4840.0	4848.6	4855.2
11°	4813.3	4810.3	4820.5	4832.8	4846.3	4853.4	4853.3	4855.5	4863.8	4875.3	4882.9
12°	4835.5	4832.3	4842.2	4856.3	4870.2	4878.8	4879.9	4882.5	4892.5	4905.9	4914.1
13°	4860.5	4856.2	4865.9	4882.7	4896.8	4906.7	4909.2	4913.5	4923.9	4938.3	4948.0
14°	4888.5	4884.2	4891.6	4910.5	4926.0	4940.5	4943.4	4946.7	4958.7	4972.9	4985.5
15°	4920.4	4913.9	4921.2	4940.2	4958.9	4974.8	4979.8	4984.6	4996.4	5010.8	5024.2
16°	4953.4	4946.3	4954.6	4972.3	4994.4	5012.2	5019.8	5026.3	5036.1	5050.7	5064.7
17°	4988.3	4978.8	4989.8	5006.6	5031.6	5053.7	5063.0	5068.0	5079.2	5093.4	5107.1
18°	5023.7	5014.7	5024.7	5045.9	5070.7	5097.5	5108.5	5114.1	5124.0	5138.9	5152.5
19°	5060.6	5051.5	5064.1	5088.8	5112.0	5142.1	5157.0	5161.2	5170.7	5185.9	5198.5
20°	5099.4	5090.8	5104.4	5131.4	5156.1	5188.1	5206.6	5211.1	5218.9	5234.0	5245.0
21°	5138.6	5131.2	5146.4	5176.4	5201.3	5238.0	5256.8	5264.4	5268.8	5285.5	5293.1
22°	5178.3	5172.2	5190.5	5221.8	5248.9	5288.6	5308.1	5319.2	5321.9	5336.6	5340.3
23°	5220.5	5216.3	5235.8	5270.0	5300.2	5340.7	5358.4	5372.5	5376.5	5388.5	5390.4
24°	5264.2	5262.4	5281.7	5318.1	5351.0	5389.6	5406.1	5425.3	5431.5	5440.6	5439.0
25°	5311.4	5310.3	5330.0	5368.5	5402.5	5439.2	5453.1	5477.6	5485.9	5493.7	5490.0
26°	5358.9	5361.4	5378.6	5419.3	5452.6	5490.9	5502.0	5530.2	5541.6	5547.0	5541.6
27°	5410.8	5413.8	5429.9	5470.6	5502.9	5543.7	5553.2	5585.2	5596.9	5599.4	5593.1
28°	5464.9	5468.4	5481.9	5521.9	5553.7	5597.6	5607.8	5638.4	5651.8	5653.7	5645.8
29°	5521.0	5522.8	5535.9	5575.0	5605.2	5651.8	5664.8	5694.7	5709.5	5706.6	5699.4
30°	5581.7	5579.6	5590.0	5628.0	5659.0	5707.9	5726.5	5753.7	5766.6	5761.2	5754.7
31°	5644.6	5636.4	5646.2	5684.8	5712.3	5765.6	5788.3	5813.5	5827.3	5818.8	5811.1
32°	5708.1	5692.9	5700.9	5740.7	5767.8	5820.0	5848.3	5871.6	5886.2	5877.7	5871.2
33°	5776.4	5749.4	5756.2	5794.7	5824.5	5874.8	5909.0	5928.7	5944.0	5937.5	5927.6
34°	5847.9	5807.1	5812.4	5850.5	5879.4	5929.9	5971.0	5985.4	5998.9	5993.0	5986.9
35°	5920.1	5866.0	5871.9	5909.6	5933.1	5985.8	6034.0	6042.5	6052.7	6051.6	6048.4
36°	5992.3	5923.4	5929.0	5965.5	5987.5	6040.3	6098.0	6098.5	6108.9	6112.1	6109.8
37°	6067.3	5977.6	5986.5	6019.6	6042.5	6090.4	6163.3	6154.2	6167.5	6172.8	6174.1
38°	6143.5	6030.1	6041.8	6077.3	6098.1	6141.8	6230.0	6208.0	6225.6	6235.3	6237.2
39°	6219.9	6083.7	6097.1	6133.7	6153.4	6196.8	6301.7	6264.0	6283.5	6298.2	6299.6
40°	6298.9	6140.9	6152.8	6191.3	6210.2	6254.3	6378.8	6324.2	6344.4	6364.7	6365.2
41°	6380.8	6202.9	6212.5	6251.4	6271.1	6316.7	6454.1	6386.9	6408.1	6430.4	6429.6
42°	6460.0	6272.9	6275.4	6315.8	6334.4	6382.3	6525.2	6454.8	6472.7	6499.5	6497.9
43°	6533.4	6348.3	6341.6	6384.2	6404.7	6448.8	6597.5	6522.8	6543.0	6571.2	6568.8
44°	6602.1	6427.5	6412.2	6455.6	6477.7	6520.8	6670.4	6592.1	6615.6	6646.5	6642.8



REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6669.8	6505.6	6486.0	6529.9	6550.9	6596.2	6743.5	6663.7	6688.7	6724.0	6719.6
46°	6733.7	6588.6	6564.9	6608.8	6629.6	6674.2	6811.9	6741.4	6766.6	6803.7	6800.0
47°	6793.5	6676.5	6649.9	6687.8	6709.3	6755.9	6875.9	6822.5	6846.1	6886.6	6881.5
48°	6853.1	6769.3	6736.9	6771.3	6789.1	6837.1	6939.2	6905.3	6928.0	6972.3	6968.1
49°	6915.8	6866.5	6826.5	6858.2	6874.6	6920.1	6999.4	6986.7	7008.8	7057.3	7057.1
50°	6982.0	6968.9	6919.9	6946.7	6965.2	7007.3	7057.1	7071.0	7093.8	7145.7	7149.3
51°	7051.9	7073.3	7018.4	7039.4	7052.4	7093.1	7112.4	7154.5	7178.8	7236.2	7243.9
52°	7121.6	7180.7	7119.6	7137.1	7147.3	7181.6	7162.8	7240.0	7266.8	7329.1	7340.9
53°	7200.9	7291.7	7223.5	7242.9	7240.8	7264.1	7211.5	7320.1	7355.4	7425.5	7441.8
54°	7285.3	7400.5	7333.9	7349.6	7336.3	7341.6	7262.3	7397.5	7448.6	7523.3	7543.5
55°	7370.9	7507.3	7448.4	7461.6	7431.8	7416.6	7312.0	7470.6	7538.0	7627.0	7646.8
56°	7456.6	7611.7	7565.2	7577.9	7529.6	7493.2	7362.8	7542.1	7627.0	7732.2	7749.0
57°	7540.7	7710.9	7684.2	7694.8	7626.2	7567.9	7412.8	7609.8	7718.5	7844.3	7849.6
58°	7619.2	7805.4	7800.8	7819.1	7723.8	7633.8	7462.2	7672.0	7806.9	7957.9	7943.4
59°	7701.7	7888.5	7922.1	7943.4	7819.9	7691.8	7505.3	7729.9	7893.9	8074.6	8028.8
60°	7779.5	7969.4	8041.8	8072.3	7914.5	7742.9	7541.3	7781.0	7979.3	8193.6	8109.7
61°	7845.8	8038.8	8168.4	8202.7	8004.4	7783.3	7569.2	7821.4	8067.0	8314.8	8195.8
62°	7902.3	8099.0	8292.7	8331.6	8096.7	7810.8	7588.2	7855.0	8153.9	8433.0	8285.8
63°	7960.2	8156.9	8417.0	8461.2	8188.2	7832.1	7601.7	7883.2	8237.8	8548.9	8369.7
64°	8032.7	8212.6	8537.5	8592.4	8271.3	7843.5	7607.4	7900.7	8320.1	8663.3	8448.2
65°	8112.0	8278.2	8660.2	8725.8	8354.4	7851.2	7607.9	7913.7	8400.2	8767.0	8521.4
66°	8160.0	8348.3	8776.1	8852.4	8431.5	7854.2	7586.9	7916.0	8471.9	8864.6	8595.4
67°	8168.4	8403.3	8875.3	8969.8	8492.5	7839.0	7544.9	7896.9	8532.9	8946.9	8658.7
68°	8163.0	8420.8	8968.3	9082.7	8551.9	7784.1	7441.8	7851.9	8583.2	9017.9	8706.7
69°	8073.8	8394.9	9054.5	9176.5	8584.0	7683.4	7216.6	7755.1	8615.2	9068.2	8715.9
70°	7758.1	8300.3	9109.4	9246.6	8579.4	7481.8	6859.1	7574.9	8612.2	9100.2	8695.3
71°	7130.1	8038.8	9109.4	9282.5	8541.3	7170.5	6328.4	7281.4	8556.5	9098.7	8645.0
72°	6309.1	7542.9	9030.8	9272.6	8452.1	6754.2	5763.0	6852.2	8444.4	9059.0	8517.6
73°	5515.4	6854.0	8875.3	9219.2	8303.4	6260.4	5256.8	6323.3	8258.4	8944.7	8308.7
74°	4749.1	6084.7	8621.3	9091.1	8069.3	5772.9	4835.2	5775.4	8003.7	8741.8	7996.8
75°	3614.5	5230.8	8229.4	8837.1	7789.4	5290.6	4344.8	5262.7	7664.3	8429.9	7497.7
76°	2106.5	4119.7	7636.1	8456.6	7426.4	4680.1	3484.3	4720.8	7247.2	8004.4	6818.6
77°	828.8	2619.4	6839.4	7834.4	6941.1	3750.0	2452.8	3870.9	6726.1	7369.2	6003.5
78°	604.7	1189.0	5847.1	6932.3	6227.2	2504.9	1421.2	2742.9	6059.6	6461.5	5003.5
79°	401.7	844.5	4506.9	5735.6	5231.6	1245.4	399.2	1614.8	5113.4	5234.3	3666.2
80°	198.7	527.8	2791.8	4249.8	3873.3	886.2	226.4	496.7	3821.3	3812.7	2602.4
81°	176.3	211.0	1322.0	2693.4	2263.6	547.2	199.8	247.9	2680.0	2680.6	1538.5
82°	155.9	181.8	952.0	1206.7	971.3	208.3	173.2	204.9	1538.9	1548.4	480.0
83°	136.0	155.6	587.5	885.2	700.5	169.1	146.8	176.6	406.7	417.3	259.5
84°	115.5	130.9	223.0	572.5	445.9	142.7	125.7	148.4	240.1	266.4	197.8
85°	94.3	106.6	168.4	259.7	191.2	117.2	104.3	122.6	188.4	222.1	136.7
86°	69.8	83.6	128.7	205.9	140.7	92.8	82.7	97.8	136.7	177.1	96.8
87°	47.5	62.1	97.6	153.4	107.9	71.0	60.2	75.7	103.6	132.0	67.8
88°	25.2	40.6	67.3	95.3	77.2	49.4	38.7	54.5	74.2	82.6	41.9
89°	10.3	19.1	36.0	50.1	42.2	27.8	27.2	37.9	51.0	56.8	29.6



REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3	4726.3
1°	4728.2	4730.1	4731.2	4732.1	4732.5	4733.3	4733.5	4728.8	4728.6	4728.2	4726.6
2°	4732.5	4736.4	4738.2	4740.2	4740.1	4741.3	4740.6	4737.1	4735.3	4733.0	4730.0
3°	4741.0	4744.9	4748.1	4749.7	4750.5	4750.8	4750.3	4746.5	4743.0	4739.8	4735.3
4°	4751.1	4755.5	4759.2	4761.5	4763.0	4763.6	4761.7	4755.9	4752.6	4748.8	4742.8
5°	4762.3	4767.6	4771.9	4775.7	4777.1	4777.0	4774.4	4768.1	4762.7	4758.4	4751.6
6°	4775.6	4782.2	4786.7	4790.7	4792.8	4792.4	4789.9	4782.6	4776.8	4769.6	4761.0
7°	4792.7	4799.2	4804.0	4808.8	4810.7	4810.4	4806.9	4800.1	4792.2	4784.3	4773.1
8°	4812.7	4818.6	4824.2	4830.3	4831.2	4831.0	4827.4	4818.8	4810.7	4802.1	4788.0
9°	4836.1	4841.3	4847.4	4853.5	4855.1	4852.8	4848.0	4839.5	4831.6	4822.6	4805.8
10°	4860.2	4866.0	4871.9	4879.7	4881.1	4878.0	4873.3	4865.3	4855.7	4843.8	4826.3
11°	4889.2	4895.9	4901.6	4908.4	4911.3	4908.6	4902.8	4895.6	4885.2	4869.5	4850.1
12°	4921.4	4928.3	4934.3	4940.5	4945.2	4943.2	4936.9	4931.0	4918.7	4900.4	4875.6
13°	4956.6	4963.9	4969.1	4976.1	4981.8	4980.6	4973.9	4967.7	4954.8	4935.0	4905.3
14°	4993.1	5000.5	5006.6	5014.5	5021.7	5022.0	5013.1	5005.9	4992.2	4970.9	4938.0
15°	5032.2	5040.9	5045.8	5056.7	5064.9	5064.0	5055.3	5048.1	5032.8	5008.3	4975.2
16°	5075.1	5083.1	5089.5	5101.0	5113.3	5110.7	5100.4	5095.2	5076.7	5049.1	5014.3
17°	5118.7	5127.1	5134.0	5147.9	5161.9	5157.6	5148.0	5143.2	5124.5	5093.7	5055.1
18°	5163.0	5170.6	5178.8	5195.9	5211.8	5206.9	5198.4	5193.8	5172.3	5139.2	5097.5
19°	5209.5	5215.9	5224.9	5245.2	5262.6	5257.1	5249.5	5245.2	5222.0	5188.0	5141.6
20°	5256.2	5260.6	5273.2	5294.3	5315.5	5310.2	5303.3	5298.2	5273.9	5236.5	5187.3
21°	5303.4	5306.9	5323.6	5346.8	5372.1	5364.8	5359.2	5353.4	5329.9	5286.3	5235.5
22°	5350.5	5354.1	5373.1	5397.8	5426.9	5421.2	5417.1	5405.9	5384.3	5336.7	5284.4
23°	5399.1	5401.8	5424.1	5452.7	5482.6	5477.1	5474.5	5458.2	5439.4	5391.3	5335.8
24°	5449.1	5452.6	5476.9	5505.3	5537.3	5536.1	5531.3	5509.3	5493.6	5446.6	5386.9
25°	5500.8	5505.3	5531.5	5561.0	5592.1	5595.0	5586.6	5562.1	5548.7	5499.9	5438.5
26°	5553.4	5561.0	5587.9	5618.2	5647.2	5655.0	5645.8	5615.5	5603.9	5552.4	5488.2
27°	5607.9	5617.6	5646.2	5673.9	5700.9	5714.1	5703.6	5670.1	5660.7	5606.4	5539.4
28°	5664.9	5678.5	5705.1	5729.5	5758.3	5775.1	5763.5	5729.9	5717.9	5660.5	5594.5
29°	5723.1	5741.4	5766.5	5785.1	5815.7	5835.4	5824.4	5794.7	5776.1	5715.4	5649.2
30°	5782.1	5805.3	5827.4	5842.0	5874.5	5894.8	5886.9	5859.9	5836.1	5769.5	5704.8
31°	5840.7	5872.3	5888.1	5901.3	5934.7	5952.6	5949.1	5925.5	5894.7	5825.8	5761.3
32°	5900.2	5940.8	5950.0	5960.1	5993.8	6011.2	6007.2	5984.9	5950.8	5881.1	5821.3
33°	5959.3	6011.7	6011.0	6018.6	6052.6	6066.7	6065.4	6044.8	6004.3	5938.2	5880.7
34°	6021.1	6081.1	6070.5	6079.1	6111.0	6120.6	6120.1	6104.9	6058.3	5993.3	5939.9
35°	6081.5	6154.0	6130.5	6139.7	6168.9	6174.0	6174.6	6166.1	6107.8	6048.9	5998.3
36°	6143.7	6227.9	6191.5	6200.2	6225.8	6228.7	6225.0	6227.4	6154.4	6102.3	6055.3
37°	6204.5	6300.5	6250.5	6262.1	6282.7	6285.1	6275.8	6294.7	6205.7	6157.4	6113.7
38°	6262.8	6374.3	6306.9	6322.7	6343.3	6341.8	6329.4	6366.3	6259.5	6211.6	6173.6
39°	6321.0	6451.4	6365.7	6382.5	6409.0	6401.3	6383.5	6441.0	6314.6	6271.6	6232.2
40°	6384.5	6530.8	6429.4	6446.4	6475.6	6461.5	6443.1	6518.4	6374.0	6333.5	6291.3
41°	6451.7	6607.8	6499.9	6511.9	6543.4	6525.9	6503.8	6600.4	6441.1	6399.0	6355.4
42°	6520.4	6684.0	6572.2	6581.0	6615.8	6592.5	6573.1	6682.6	6513.7	6464.6	6425.4
43°	6589.6	6759.1	6646.7	6653.9	6690.0	6660.8	6652.1	6761.7	6593.6	6534.9	6497.3
44°	6665.8	6831.3	6724.0	6728.6	6766.1	6733.0	6732.4	6832.4	6673.9	6607.0	6573.1



REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6744.7	6903.0	6804.5	6806.1	6845.1	6810.1	6815.1	6897.2	6754.1	6686.9	6652.4
46°	6831.4	6976.2	6890.5	6887.8	6921.5	6891.9	6893.5	6962.6	6834.5	6771.0	6735.2
47°	6921.5	7047.9	6983.5	6972.8	7003.4	6978.1	6978.0	7025.9	6917.8	6858.9	6819.7
48°	7019.1	7112.0	7076.7	7058.3	7084.7	7067.2	7065.4	7083.1	7003.5	6945.4	6906.8
49°	7116.8	7177.5	7173.6	7145.0	7171.1	7156.9	7154.1	7135.2	7092.0	7031.8	6996.5
50°	7213.8	7245.1	7270.9	7237.9	7260.9	7248.4	7244.1	7186.7	7180.7	7118.5	7090.5
51°	7311.2	7316.0	7367.9	7330.2	7352.4	7335.2	7329.9	7238.2	7269.4	7208.5	7189.0
52°	7410.0	7384.4	7466.3	7430.2	7450.2	7424.4	7414.9	7290.8	7349.8	7300.2	7289.7
53°	7509.5	7449.9	7564.8	7529.2	7549.3	7514.3	7493.1	7341.5	7427.8	7391.4	7394.9
54°	7604.9	7513.7	7656.7	7632.3	7652.1	7606.5	7565.9	7393.0	7503.9	7484.5	7505.0
55°	7692.6	7577.9	7740.6	7736.0	7758.1	7694.8	7631.6	7441.0	7573.3	7570.9	7618.2
56°	7765.0	7637.7	7813.0	7839.0	7867.2	7783.3	7691.0	7486.7	7635.4	7662.1	7735.3
57°	7826.0	7696.4	7879.4	7945.0	7983.1	7868.7	7747.5	7529.7	7688.0	7753.6	7854.2
58°	7880.9	7752.0	7937.3	8038.0	8097.5	7952.6	7796.3	7569.9	7735.3	7837.4	7972.4
59°	7932.0	7804.7	7990.0	8121.9	8213.4	8034.9	7839.0	7598.3	7776.4	7922.1	8091.4
60°	7978.5	7851.2	8033.4	8208.0	8334.6	8112.0	7871.8	7618.7	7809.2	8012.8	8214.9
61°	8015.1	7893.1	8067.0	8300.3	8449.8	8187.5	7896.9	7640.7	7832.9	8099.8	8341.5
62°	8041.8	7935.8	8095.9	8389.5	8563.4	8266.8	7912.2	7656.0	7853.5	8182.9	8468.8
63°	8072.3	7975.5	8126.4	8468.8	8670.1	8346.8	7923.6	7658.2	7868.7	8266.8	8596.2
64°	8100.5	8015.1	8161.5	8536.7	8775.4	8420.0	7927.4	7650.6	7875.6	8345.3	8719.7
65°	8126.4	8022.7	8184.4	8599.2	8870.7	8490.2	7919.0	7621.5	7867.2	8416.2	8833.3
66°	8136.4	7969.4	8176.8	8665.6	8956.1	8552.7	7891.6	7555.1	7842.0	8478.7	8940.1
67°	8112.0	7904.5	8140.9	8715.9	9028.5	8590.1	7826.8	7443.1	7774.2	8531.4	9042.3
68°	8067.0	7797.0	8089.8	8751.7	9077.3	8593.9	7733.0	7232.4	7662.8	8561.9	9136.1
69°	7967.8	7545.5	7975.5	8747.2	9104.8	8564.9	7576.8	6849.7	7472.6	8549.7	9204.7
70°	7769.6	7115.1	7747.5	8703.7	9105.6	8501.6	7314.1	6300.6	7149.4	8491.7	9248.9
71°	7425.3	6471.4	7362.8	8609.1	9069.0	8388.8	6904.5	5704.6	6690.3	8388.8	9258.1
72°	6872.4	5679.4	6766.5	8442.9	8974.4	8234.7	6375.6	5226.8	6155.3	8234.7	9219.9
73°	6123.8	4848.1	6030.8	8205.0	8781.5	8003.7	5842.6	4826.2	5655.2	7978.5	9107.1
74°	5277.4	4013.7	5201.3	7827.5	8476.5	7698.7	5349.6	4316.7	5161.8	7653.7	8892.0
75°	4380.9	2968.0	4260.7	7246.8	8095.2	7315.9	4783.0	3390.0	4569.6	7255.0	8561.9
76°	3365.3	1877.2	3219.1	6513.3	7570.5	6822.6	3939.4	2145.6	3662.5	6753.8	8072.3
77°	2394.9	788.0	2296.4	5632.5	6798.0	6149.8	2778.5	970.5	2469.0	6104.9	7314.4
78°	1424.3	326.6	1373.7	4530.9	5724.9	5231.3	1617.6	708.1	1225.4	5224.7	6177.2
79°	470.2	209.1	453.1	3151.7	4428.5	4020.7	461.9	453.6	867.2	3989.1	4756.8
80°	245.8	178.3	245.3	2019.1	3146.9	2836.1	248.3	199.1	539.3	2443.6	3222.7
81°	205.7	147.6	204.3	886.8	1865.4	1651.5	210.3	172.2	211.5	1087.8	1667.5
82°	165.6	125.7	163.4	363.6	611.5	486.2	183.7	150.7	175.1	777.0	574.6
83°	125.7	105.5	122.9	283.5	308.7	267.3	157.1	129.3	150.0	489.1	421.5
84°	101.8	87.2	99.2	203.5	250.6	218.0	130.5	107.5	124.4	201.1	270.3
85°	78.3	66.7	75.2	124.2	203.8	168.8	106.1	84.8	99.7	150.1	226.1
86°	56.4	45.1	53.4	89.0	157.0	119.6	83.1	63.5	77.0	115.5	178.5
87°	39.9	31.3	37.8	59.6	110.5	88.6	61.8	42.2	55.2	85.6	122.4
88°	23.5	17.5	22.2	41.5	75.4	60.6	42.6	20.9	33.5	69.0	61.9
89°	7.1	3.8	6.9	23.4	40.3	42.1	23.5	6.7	11.7	52.5	47.1



REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4726.3	4726.3	4726.3
1°	4725.6	4724.1	4725.5
2°	4727.4	4725.1	4725.1
3°	4730.8	4728.2	4727.9
4°	4736.6	4733.0	4731.1
5°	4744.3	4738.6	4735.7
6°	4753.2	4746.2	4743.4
7°	4764.2	4756.1	4752.4
8°	4776.6	4767.1	4763.0
9°	4791.7	4781.2	4776.6
10°	4809.0	4798.5	4792.9
11°	4830.9	4817.7	4813.3
12°	4855.0	4841.0	4835.5
13°	4880.3	4865.3	4860.5
14°	4908.4	4893.3	4888.5
15°	4940.8	4925.1	4920.4
16°	4977.1	4959.4	4953.4
17°	5015.6	4995.4	4988.3
18°	5055.4	5032.0	5023.7
19°	5098.0	5071.1	5060.6
20°	5141.9	5111.3	5099.4
21°	5187.6	5153.4	5138.6
22°	5234.0	5196.7	5178.3
23°	5281.5	5243.7	5220.5
24°	5329.8	5292.3	5264.2
25°	5379.5	5343.6	5311.4
26°	5430.1	5396.2	5358.9
27°	5481.9	5449.5	5410.8
28°	5535.4	5503.4	5464.9
29°	5588.9	5558.3	5521.0
30°	5643.5	5614.6	5581.7
31°	5699.2	5672.1	5644.6
32°	5756.3	5726.7	5708.1
33°	5814.7	5784.7	5776.4
34°	5873.0	5844.0	5847.9
35°	5933.3	5903.2	5920.1
36°	5994.1	5959.9	5992.3
37°	6051.6	6014.9	6067.3
38°	6111.6	6068.3	6143.5
39°	6171.2	6122.2	6219.9
40°	6230.5	6180.3	6298.9
41°	6291.6	6246.2	6380.8
42°	6357.3	6316.9	6460.0
43°	6426.6	6392.1	6533.4
44°	6502.6	6471.5	6602.1

REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	6581.9	6553.5	6669.8
46°	6668.8	6637.9	6733.7
47°	6757.6	6729.8	6793.5
48°	6846.5	6823.6	6853.1
49°	6940.7	6922.9	6915.8
50°	7034.9	7026.7	6982.0
51°	7136.4	7132.8	7051.9
52°	7240.4	7243.8	7121.6
53°	7345.4	7350.9	7200.9
54°	7458.3	7461.6	7285.3
55°	7571.1	7568.8	7370.9
56°	7686.5	7674.3	7456.6
57°	7803.1	7775.7	7540.7
58°	7922.8	7866.4	7619.2
59°	8044.9	7948.0	7701.7
60°	8170.7	8026.6	7779.5
61°	8293.4	8105.9	7845.8
62°	8416.2	8182.9	7902.3
63°	8540.5	8244.6	7960.2
64°	8661.8	8291.9	8032.7
65°	8783.8	8349.9	8112.0
66°	8901.2	8429.2	8160.0
67°	9004.9	8481.8	8168.4
68°	9078.1	8487.9	8163.0
69°	9151.3	8445.2	8073.8
70°	9194.0	8342.2	7758.1
71°	9169.6	8088.3	7130.1
72°	9046.1	7584.0	6309.1
73°	8872.2	6873.7	5515.4
74°	8603.8	6080.1	4749.1
75°	8103.6	5192.6	3614.5
76°	7418.4	4067.7	2106.5
77°	6592.9	2622.2	828.8
78°	5535.6	1233.4	604.7
79°	4046.5	874.6	401.7
80°	2241.7	547.9	198.7
81°	996.2	221.2	176.3
82°	717.6	182.0	155.9
83°	460.0	155.7	136.0
84°	202.4	130.3	115.5
85°	154.5	104.5	94.3
86°	120.1	80.5	69.8
87°	88.3	58.8	47.5
88°	71.0	37.1	25.2
89°	54.0	15.4	10.3



REPORT NUMBER: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-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: P1436792

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)