Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1436810

Luminaire Tested: XAS300-SFPM (4000K-240W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1436810
	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 (4000K-240W-T4-HSS)
Description:	XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
	LUMEN OUTPUT - 80% (240W)
	OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source:	4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	45535 (1 lamp)
Luminaire Lumens:	32551.8 lumens
Efficiency:	71.5%
Efficacy:	139.6 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):	233.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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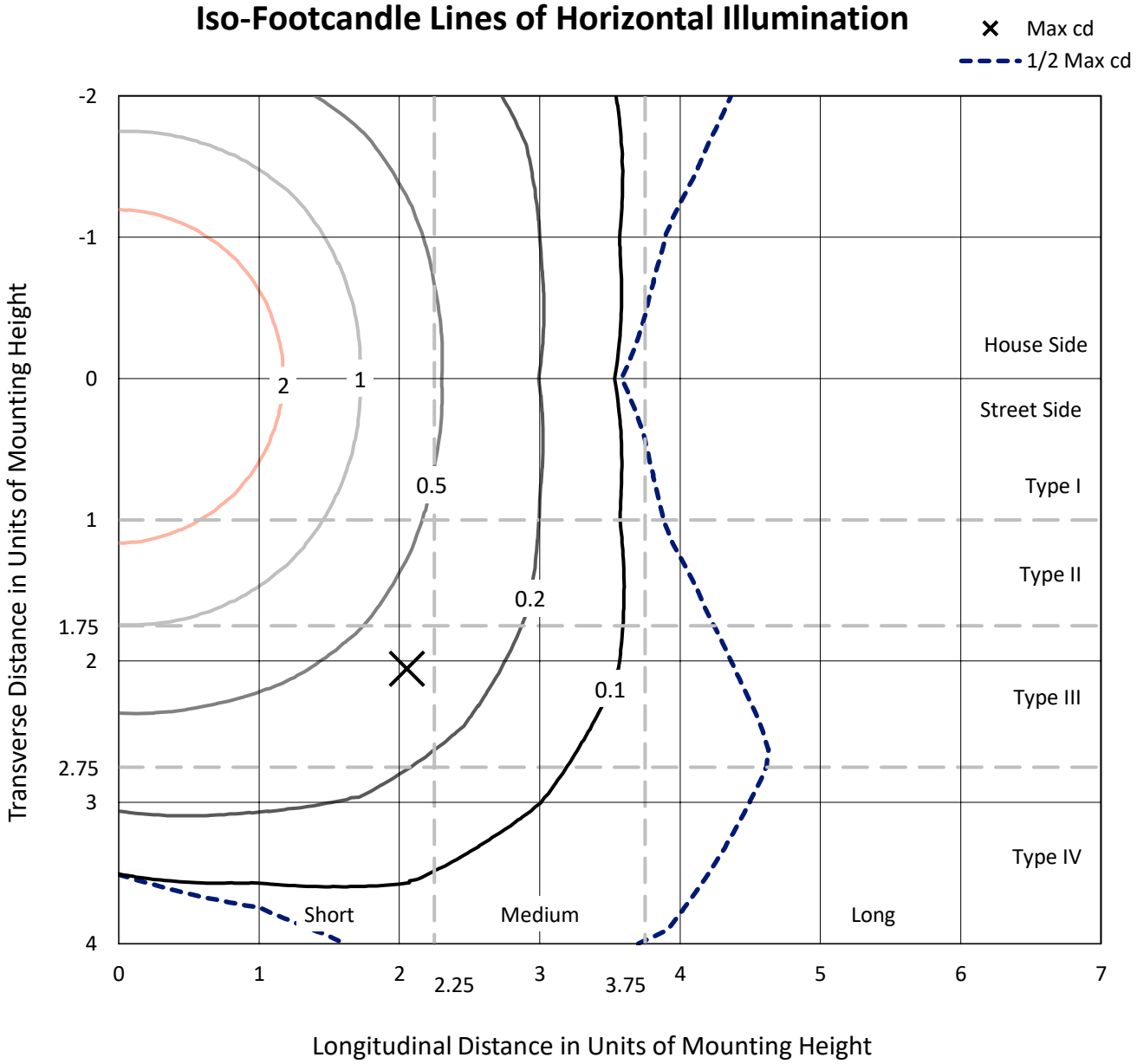
Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 4.9 fc
Type V - Short - Full Cutoff

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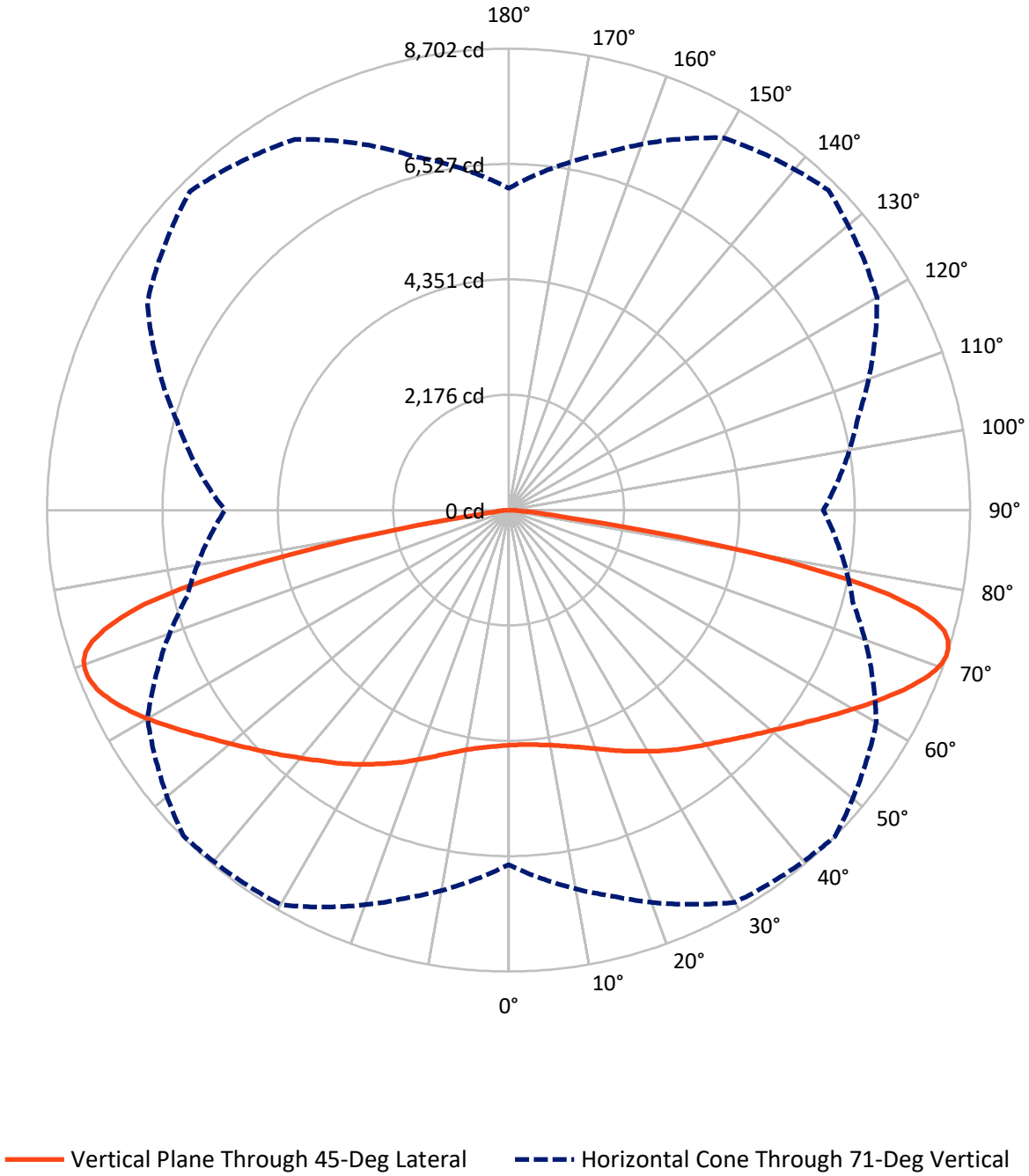
Luminous Intensity Polar Plot



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Scaled Data Report

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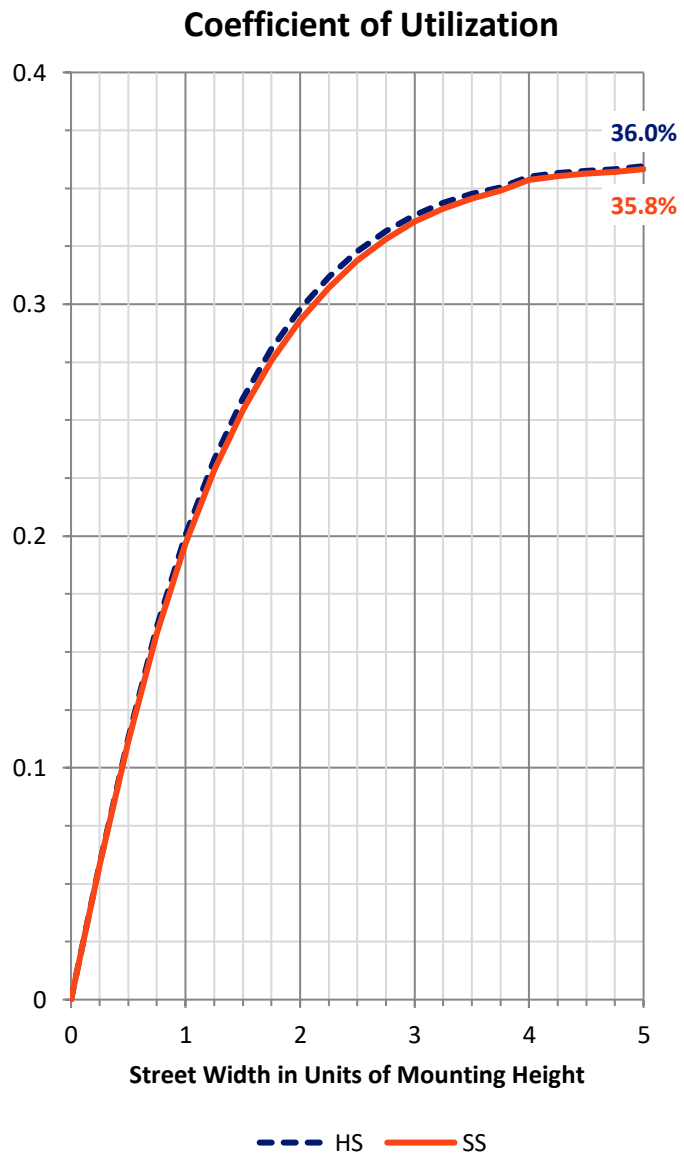
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16279.5	0.0	16279.5
	% Lamp	35.8	0.0	35.8
Street Side	Lumens	16272.3	0.0	16272.3
	% Lamp	35.7	0.0	35.7
Total	Lumens	32551.8	0.0	32551.8
	% Lamp	71.5	0.0	71.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	428.1	1.3	0.9
10°-20°	1336.1	4.1	2.9
20°-30°	2381.1	7.3	5.2
30°-40°	3563.1	10.9	7.8
40°-50°	4877.4	15.0	10.7
50°-60°	6360.1	19.5	14.0
60°-70°	7667.7	23.6	16.8
70°-80°	5603.9	17.2	12.3
80°-90°	334.3	1.0	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°	32551.8	100.0	71.5
0°-180°	32551.8	100.0	71.5



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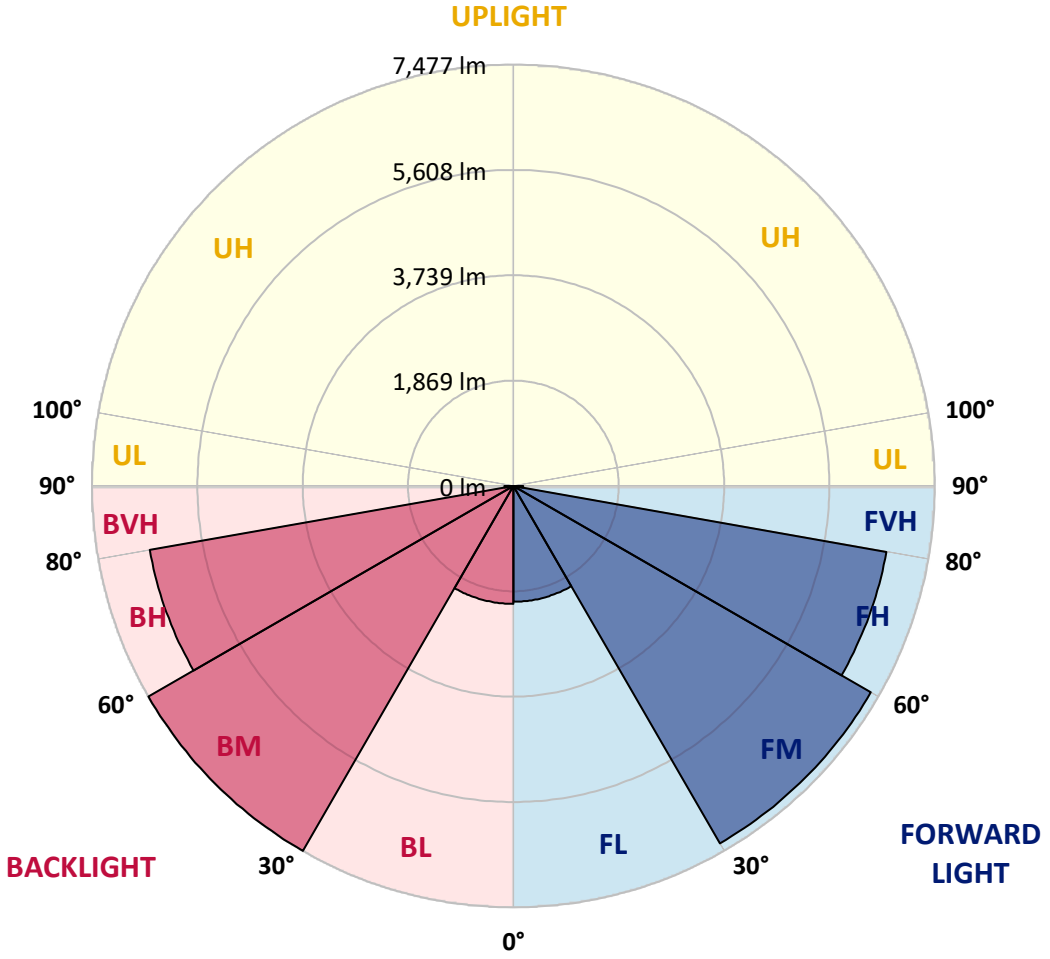
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2053.9	4.5			
FM	(30°-60°)	7323.4	16.1			
FH	(60°-80°)	6721.1	14.8			G3/7500
FVH	(80°-90°)	173.9	0.4			G2/225
BL	(0°-30°)	2091.3	4.6	B3/2500		
BM	(30°-60°)	7477.2	16.4	B4/8500		
BH	(60°-80°)	6550.5	14.4	B5		G3/7500
BVH	(80°-90°)	160.4	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		12983.2	28.5			

BUG Rating: B5-U0-G3
Type V Short



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4430.8	4430.8	4430.8	*4430.8*	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8
1°	4430.1	4428.8	4429.1	*4429.8*	4430.5	4432.2	4428.6	4428.6	4429.3	4430.5	4431.0
2°	4429.8	4428.8	4428.8	*4429.8*	4431.2	4432.4	4429.3	4430.1	4431.6	4433.9	4435.1
3°	4432.4	4430.3	4430.9	*4431.2*	4434.0	4436.5	4433.3	4434.9	4437.2	4439.9	4441.5
4°	4435.4	4433.8	4434.7	*4436.9*	4439.7	4442.3	4439.7	4441.5	4445.2	4448.0	4449.7
5°	4439.7	4438.5	4440.5	*4443.2*	4448.1	4452.4	4450.1	4452.2	4454.7	4458.1	4461.6
6°	4446.9	4444.5	4448.1	*4452.7*	4459.4	4464.4	4462.6	4464.4	4466.6	4469.7	4474.4
7°	4455.3	4454.3	4457.4	*4464.9*	4472.1	4476.2	4475.4	4478.1	4480.0	4483.5	4489.3
8°	4465.3	4464.4	4470.1	*4478.2*	4485.5	4492.0	4490.9	4493.9	4497.3	4500.7	4507.9
9°	4478.0	4476.1	4483.8	*4492.3*	4502.6	4509.4	4508.7	4511.5	4516.7	4521.3	4528.2
10°	4493.3	4492.2	4500.0	*4510.0*	4522.5	4529.5	4528.5	4530.7	4537.4	4545.5	4551.7
11°	4512.5	4509.6	4519.2	*4530.7*	4543.3	4550.0	4549.9	4552.0	4559.8	4570.6	4577.7
12°	4533.3	4530.2	4539.6	*4552.8*	4565.8	4573.9	4574.9	4577.3	4586.7	4599.2	4606.9
13°	4556.6	4552.6	4561.7	*4577.4*	4590.7	4600.0	4602.3	4606.4	4616.1	4629.6	4638.7
14°	4582.9	4578.9	4585.8	*4603.5*	4618.1	4631.6	4634.3	4637.5	4648.7	4662.1	4673.9
15°	4612.8	4606.8	4613.6	*4631.3*	4648.9	4663.9	4668.5	4673.0	4684.1	4697.6	4710.1
16°	4643.8	4637.1	4644.9	*4661.5*	4682.2	4698.9	4706.0	4712.1	4721.3	4735.0	4748.1
17°	4676.5	4667.6	4677.9	*4693.6*	4717.1	4737.8	4746.5	4751.2	4761.7	4775.0	4787.9
18°	4709.7	4701.3	4710.6	*4730.5*	4753.7	4778.8	4789.2	4794.4	4803.7	4817.7	4830.4
19°	4744.2	4735.7	4747.5	*4770.7*	4792.5	4820.7	4834.7	4838.6	4847.5	4861.8	4873.5
20°	4780.7	4772.5	4785.3	*4810.6*	4833.8	4863.8	4881.1	4885.3	4892.6	4906.8	4917.2
21°	4817.4	4810.5	4824.7	*4852.8*	4876.2	4910.6	4928.2	4935.3	4939.5	4955.1	4962.2
22°	4854.6	4848.9	4866.0	*4895.4*	4920.8	4958.0	4976.3	4986.7	4989.2	5003.0	5006.5
23°	4894.2	4890.2	4908.5	*4940.5*	4968.9	5006.9	5023.5	5036.7	5040.4	5051.7	5053.4
24°	4935.1	4933.5	4951.5	*4985.7*	5016.5	5052.7	5068.2	5086.2	5092.0	5100.5	5099.0
25°	4979.3	4978.3	4996.8	*5033.0*	5064.8	5099.2	5112.2	5135.2	5143.0	5150.3	5146.8
26°	5023.9	5026.2	5042.4	*5080.5*	5111.7	5147.7	5158.1	5184.5	5195.2	5200.2	5195.2
27°	5072.6	5075.4	5090.5	*5128.6*	5158.9	5197.2	5206.0	5236.1	5247.0	5249.4	5243.5
28°	5123.3	5126.5	5139.3	*5176.7*	5206.5	5247.7	5257.2	5286.0	5298.5	5300.3	5292.9
29°	5175.9	5177.6	5189.8	*5226.5*	5254.8	5298.5	5310.7	5338.7	5352.6	5349.9	5343.2
30°	5232.8	5230.8	5240.6	*5276.2*	5305.3	5351.1	5368.5	5394.1	5406.1	5401.1	5395.0
31°	5291.8	5284.0	5293.3	*5329.4*	5355.2	5405.2	5426.4	5450.1	5463.0	5455.1	5447.9
32°	5351.3	5337.1	5344.5	*5381.8*	5407.3	5456.2	5482.7	5504.6	5518.3	5510.3	5504.2
33°	5415.3	5390.0	5396.4	*5432.5*	5460.4	5507.6	5539.7	5558.1	5572.5	5566.3	5557.0
34°	5482.3	5444.1	5449.0	*5484.8*	5511.9	5559.2	5597.8	5611.2	5623.9	5618.4	5612.7
35°	5550.0	5499.4	5504.9	*5540.2*	5562.3	5611.7	5656.8	5664.8	5674.4	5673.4	5670.4
36°	5617.7	5553.1	5558.4	*5592.6*	5613.2	5662.7	5716.8	5717.2	5727.0	5730.0	5727.9
37°	5688.1	5603.9	5612.3	*5643.3*	5664.8	5709.7	5778.1	5769.5	5782.0	5786.9	5788.2
38°	5759.5	5653.1	5664.1	*5697.4*	5716.9	5757.9	5840.6	5820.0	5836.5	5845.5	5847.4
39°	5831.1	5703.5	5716.0	*5750.3*	5768.8	5809.5	5907.8	5872.4	5890.7	5904.5	5905.8
40°	5905.1	5757.1	5768.1	*5804.2*	5822.0	5863.4	5980.1	5928.9	5947.8	5966.9	5967.3
41°	5981.9	5815.2	5824.1	*5860.7*	5879.1	5921.8	6050.7	5987.6	6007.5	6028.4	6027.7
42°	6056.2	5880.7	5883.2	*5921.0*	5938.4	5983.3	6117.3	6051.3	6068.1	6093.2	6091.7
43°	6125.0	5951.4	5945.2	*5985.1*	6004.3	6045.7	6185.1	6115.1	6134.0	6160.4	6158.2
44°	6189.4	6025.7	6011.3	*6052.1*	6072.8	6113.2	6253.4	6180.0	6202.1	6231.0	6227.5

REPORT NUMBER: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6252.9	6098.9	6080.5	6121.7	6141.4	6183.9	6322.0	6247.1	6270.6	6303.7	6299.6
46°	6312.7	6176.8	6154.5	6195.7	6215.2	6257.0	6386.1	6320.0	6343.6	6378.4	6374.9
47°	6368.9	6259.2	6234.2	6269.8	6289.9	6333.6	6446.1	6396.0	6418.1	6456.1	6451.4
48°	6424.7	6346.2	6315.7	6348.0	6364.7	6409.8	6505.5	6473.7	6494.9	6536.5	6532.6
49°	6483.5	6437.3	6399.7	6429.5	6444.9	6487.5	6561.9	6550.0	6570.7	6616.1	6616.0
50°	6545.6	6533.3	6487.3	6512.5	6529.9	6569.2	6616.0	6629.0	6650.4	6699.1	6702.4
51°	6611.1	6631.1	6579.7	6599.3	6611.6	6649.7	6667.8	6707.3	6730.1	6783.8	6791.1
52°	6676.4	6731.8	6674.5	6691.0	6700.5	6732.7	6715.1	6787.4	6812.5	6871.0	6882.1
53°	6750.8	6835.9	6772.0	6790.1	6788.2	6810.0	6760.7	6862.6	6895.7	6961.4	6976.6
54°	6829.9	6937.9	6875.4	6890.2	6877.7	6882.7	6808.3	6935.0	6983.0	7053.1	7071.9
55°	6910.2	7038.1	6982.8	6995.2	6967.3	6953.0	6854.9	7003.6	7066.8	7150.2	7168.8
56°	6990.4	7135.9	7092.3	7104.2	7058.9	7024.8	6902.5	7070.7	7150.2	7248.9	7264.6
57°	7069.3	7228.9	7203.8	7213.8	7149.5	7094.8	6949.4	7134.1	7236.0	7354.0	7359.0
58°	7142.9	7317.5	7313.2	7330.4	7241.0	7156.7	6995.7	7192.4	7318.9	7460.5	7446.9
59°	7220.3	7395.4	7426.9	7446.9	7331.1	7211.0	7036.1	7246.7	7400.4	7569.9	7527.0
60°	7293.2	7471.2	7539.1	7567.7	7419.7	7258.9	7069.9	7294.6	7480.5	7681.4	7602.7
61°	7355.4	7536.3	7657.8	7690.0	7504.1	7296.8	7096.0	7332.5	7562.7	7795.0	7683.5
62°	7408.3	7592.7	7774.3	7810.8	7590.6	7322.5	7113.9	7364.0	7644.2	7905.9	7767.9
63°	7462.6	7647.1	7890.8	7932.3	7676.4	7342.5	7126.6	7390.4	7722.8	8014.5	7846.5
64°	7530.5	7699.3	8003.8	8055.3	7754.3	7353.2	7131.9	7406.9	7800.0	8121.7	7920.1
65°	7604.9	7760.7	8118.9	8180.4	7832.2	7360.4	7132.4	7419.0	7875.1	8219.0	7988.8
66°	7649.9	7826.5	8227.5	8299.0	7904.4	7363.3	7112.6	7421.2	7942.3	8310.5	8058.1
67°	7657.8	7878.0	8320.5	8409.1	7961.6	7349.0	7073.3	7403.3	7999.5	8387.7	8117.5
68°	7652.8	7894.4	8407.7	8514.9	8017.4	7297.5	6976.7	7361.1	8046.7	8454.2	8162.5
69°	7569.1	7870.1	8488.5	8602.9	8047.4	7203.1	6765.5	7270.3	8076.7	8501.3	8171.1
70°	7273.2	7781.5	8539.9	8668.6	8043.1	7014.1	6430.3	7101.4	8073.8	8531.4	8151.8
71°	6684.4	7536.3	8539.9	8702.2	8007.4	6722.3	5932.8	6826.2	8021.7	8529.9	8104.6
72°	5914.8	7071.4	8466.3	8692.9	7923.7	6332.0	5402.8	6423.8	7916.6	8492.8	7985.2
73°	5170.7	6425.6	8320.5	8642.9	7784.3	5869.1	4928.2	5928.1	7742.1	8385.5	7789.3
74°	4452.2	5704.4	8082.4	8522.8	7564.9	5412.0	4533.0	5414.4	7503.4	8195.4	7496.9
75°	3388.5	4903.9	7715.0	8284.7	7302.5	4959.9	4073.2	4933.7	7185.3	7903.0	7029.1
76°	1974.8	3862.1	7158.8	7928.0	6962.2	4387.6	3266.5	4425.7	6794.2	7504.1	6392.4
77°	777.0	2455.7	6411.9	7344.7	6507.3	3515.6	2299.5	3628.9	6305.7	6908.6	5628.2
78°	566.9	1114.6	5481.6	6499.0	5837.9	2348.3	1332.4	2571.4	5680.8	6057.6	4690.8
79°	376.6	791.7	4225.2	5377.0	4904.6	1167.5	374.2	1513.9	4793.8	4907.1	3437.1
80°	186.3	494.8	2617.3	3984.2	3631.2	830.8	212.2	465.6	3582.4	3574.4	2439.7
81°	165.3	197.9	1239.4	2525.0	2122.1	513.0	187.3	232.4	2512.5	2513.0	1442.3
82°	146.2	170.4	892.5	1131.2	910.5	195.2	162.4	192.1	1442.7	1451.6	450.0
83°	127.5	145.9	550.8	829.9	656.7	158.5	137.6	165.6	381.3	391.2	243.3
84°	108.3	122.7	209.1	536.7	418.0	133.8	117.9	139.1	225.1	249.8	185.5
85°	88.4	100.0	157.9	243.5	179.3	109.9	97.8	115.0	176.6	208.2	128.2
86°	65.4	78.4	120.7	193.0	131.9	87.0	77.6	91.7	128.2	166.0	90.8
87°	44.5	58.2	91.5	143.8	101.2	66.5	56.5	70.9	97.1	123.7	63.6
88°	23.6	38.1	63.1	89.4	72.4	46.3	36.3	51.1	69.5	77.5	39.3
89°	9.7	17.9	33.8	47.0	39.5	26.1	25.5	35.5	47.8	53.3	27.8

REPORT NUMBER: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8	4430.8
1°	4432.7	4434.5	4435.5	4436.3	4436.7	4437.4	4437.6	4433.3	4433.0	4432.6	4431.2
2°	4436.7	4440.3	4442.0	4443.9	4443.8	4444.9	4444.3	4441.0	4439.3	4437.2	4434.3
3°	4444.6	4448.3	4451.3	4452.8	4453.6	4453.8	4453.3	4449.8	4446.5	4443.5	4439.3
4°	4454.1	4458.3	4461.7	4463.8	4465.3	4465.9	4464.1	4458.6	4455.6	4452.0	4446.3
5°	4464.6	4469.6	4473.6	4477.1	4478.5	4478.4	4475.9	4470.1	4465.0	4460.9	4454.6
6°	4477.1	4483.3	4487.4	4491.2	4493.2	4492.9	4490.4	4483.7	4478.2	4471.5	4463.3
7°	4493.1	4499.2	4503.7	4508.2	4510.0	4509.7	4506.5	4500.0	4492.7	4485.2	4474.7
8°	4511.8	4517.4	4522.6	4528.3	4529.2	4529.0	4525.7	4517.5	4510.0	4502.0	4488.7
9°	4533.8	4538.7	4544.4	4550.1	4551.6	4549.5	4545.0	4537.0	4529.5	4521.1	4505.4
10°	4556.4	4561.8	4567.4	4574.7	4576.0	4573.1	4568.7	4561.2	4552.1	4541.1	4524.6
11°	4583.6	4589.9	4595.2	4601.6	4604.3	4601.8	4596.3	4589.6	4579.8	4565.1	4546.9
12°	4613.8	4620.3	4625.8	4631.6	4636.1	4634.2	4628.3	4622.8	4611.3	4594.1	4570.9
13°	4646.8	4653.6	4658.4	4665.1	4670.4	4669.3	4662.9	4657.2	4645.1	4626.6	4598.7
14°	4681.0	4688.0	4693.7	4701.0	4707.8	4708.1	4699.8	4693.0	4680.2	4660.2	4629.3
15°	4717.6	4725.8	4730.4	4740.6	4748.3	4747.4	4739.3	4732.6	4718.2	4695.3	4664.2
16°	4757.9	4765.3	4771.3	4782.1	4793.7	4791.3	4781.6	4776.7	4759.4	4733.5	4700.9
17°	4798.7	4806.6	4813.1	4826.2	4839.2	4835.2	4826.2	4821.7	4804.1	4775.3	4739.1
18°	4840.2	4847.4	4855.0	4871.1	4886.0	4881.4	4873.5	4869.1	4849.0	4817.9	4778.9
19°	4883.8	4889.8	4898.3	4917.3	4933.7	4928.5	4921.4	4917.3	4895.6	4863.7	4820.2
20°	4927.7	4931.8	4943.5	4963.3	4983.2	4978.3	4971.8	4967.0	4944.2	4909.1	4863.0
21°	4971.8	4975.2	4990.9	5012.6	5036.3	5029.5	5024.2	5018.7	4996.7	4955.9	4908.2
22°	5016.0	5019.4	5037.3	5060.4	5087.7	5082.4	5078.5	5068.0	5047.7	5003.1	4954.0
23°	5061.6	5064.1	5085.1	5111.9	5139.9	5134.7	5132.3	5117.0	5099.4	5054.3	5002.3
24°	5108.5	5111.7	5134.5	5161.2	5191.2	5190.0	5185.5	5164.9	5150.2	5106.1	5050.2
25°	5156.9	5161.2	5185.7	5213.4	5242.5	5245.3	5237.4	5214.4	5201.8	5156.1	5098.5
26°	5206.3	5213.4	5238.6	5267.0	5294.2	5301.5	5292.9	5264.5	5253.6	5205.3	5145.1
27°	5257.4	5266.4	5293.3	5319.2	5344.5	5356.9	5347.1	5315.7	5306.8	5255.9	5193.2
28°	5310.8	5323.6	5348.5	5371.3	5398.3	5414.1	5403.2	5371.7	5360.5	5306.7	5244.8
29°	5365.4	5382.5	5406.1	5423.4	5452.2	5470.6	5460.3	5432.4	5415.0	5358.2	5296.0
30°	5420.6	5442.4	5463.1	5476.8	5507.3	5526.3	5518.9	5493.6	5471.3	5408.8	5348.2
31°	5475.6	5505.2	5520.1	5532.4	5563.7	5580.5	5577.2	5555.1	5526.2	5461.7	5401.1
32°	5531.4	5569.5	5578.1	5587.6	5619.2	5635.5	5631.7	5610.8	5578.8	5513.5	5457.4
33°	5586.8	5635.9	5635.3	5642.4	5674.3	5687.5	5686.3	5666.9	5629.0	5567.0	5513.1
34°	5644.8	5700.9	5691.1	5699.1	5729.0	5738.0	5737.6	5723.3	5679.6	5618.7	5568.6
35°	5701.3	5769.4	5747.3	5755.9	5783.3	5788.1	5788.7	5780.7	5726.0	5670.8	5623.3
36°	5759.6	5838.6	5804.5	5812.6	5836.6	5839.3	5835.9	5838.1	5769.7	5720.9	5676.8
37°	5816.7	5906.7	5859.8	5870.7	5890.0	5892.2	5883.5	5901.2	5817.8	5772.5	5731.5
38°	5871.3	5975.9	5912.6	5927.5	5946.8	5945.4	5933.8	5968.3	5868.2	5823.3	5787.7
39°	5925.8	6048.2	5967.7	5983.5	6008.3	6001.1	5984.5	6038.4	5919.8	5879.5	5842.6
40°	5985.4	6122.6	6027.5	6043.4	6070.8	6057.6	6040.4	6110.9	5975.5	5937.6	5898.0
41°	6048.5	6194.7	6093.6	6104.9	6134.4	6118.0	6097.2	6187.9	6038.4	5999.0	5958.1
42°	6112.8	6266.2	6161.3	6169.6	6202.3	6180.4	6162.2	6264.9	6106.6	6060.5	6023.8
43°	6177.7	6336.5	6231.2	6238.0	6271.9	6244.5	6236.3	6339.0	6181.4	6126.4	6091.2
44°	6249.1	6404.3	6303.7	6308.0	6343.1	6312.2	6311.5	6405.3	6256.7	6194.0	6162.2

REPORT NUMBER: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6323.1	6471.5	6379.2	6380.7	6417.2	6384.4	6389.1	6466.1	6331.9	6268.9	6236.6
46°	6404.4	6540.1	6459.8	6457.3	6488.9	6461.1	6462.6	6527.4	6407.2	6347.8	6314.2
47°	6488.8	6607.3	6546.9	6536.9	6565.6	6541.9	6541.8	6586.7	6485.4	6430.1	6393.5
48°	6580.3	6667.4	6634.4	6617.1	6641.9	6625.4	6623.8	6640.3	6565.7	6511.3	6475.0
49°	6672.0	6728.9	6725.2	6698.3	6722.9	6709.6	6706.9	6689.2	6648.7	6592.3	6559.2
50°	6762.8	6792.2	6816.4	6785.5	6807.0	6795.3	6791.3	6737.5	6731.9	6673.5	6647.3
51°	6854.2	6858.7	6907.3	6872.0	6892.8	6876.6	6871.7	6785.8	6815.0	6757.9	6739.7
52°	6946.8	6922.8	6999.6	6965.7	6984.5	6960.3	6951.4	6835.1	6890.4	6843.8	6834.0
53°	7040.1	6984.2	7091.9	7058.6	7077.4	7044.6	7024.7	6882.6	6963.5	6929.3	6932.6
54°	7129.6	7044.1	7178.1	7155.2	7173.8	7131.0	7093.0	6930.8	7034.8	7016.7	7035.9
55°	7211.7	7104.2	7256.7	7252.5	7273.2	7213.8	7154.5	6975.9	7099.9	7097.7	7142.0
56°	7279.6	7160.2	7324.7	7349.0	7375.4	7296.8	7210.3	7018.8	7158.1	7183.1	7251.7
57°	7336.8	7215.3	7386.8	7448.3	7484.1	7376.8	7263.2	7059.0	7207.4	7268.9	7363.3
58°	7388.3	7267.5	7441.2	7535.5	7591.3	7455.5	7308.9	7096.7	7251.7	7347.5	7474.1
59°	7436.2	7316.8	7490.5	7614.2	7700.0	7532.7	7349.0	7123.3	7290.3	7426.9	7585.6
60°	7479.8	7360.4	7531.3	7695.0	7813.6	7604.9	7379.7	7142.5	7321.1	7512.0	7701.4
61°	7514.1	7399.7	7562.7	7781.5	7921.6	7675.7	7403.3	7163.1	7343.2	7593.4	7820.1
62°	7539.1	7439.7	7589.9	7865.1	8028.1	7750.0	7417.6	7177.4	7362.5	7671.4	7939.5
63°	7567.7	7476.9	7618.5	7939.5	8128.2	7825.1	7428.3	7179.5	7376.8	7750.0	8058.8
64°	7594.2	7514.1	7651.4	8003.1	8226.8	7893.7	7431.9	7172.4	7383.3	7823.6	8174.6
65°	7618.5	7521.2	7672.8	8061.7	8316.2	7959.5	7424.0	7145.1	7375.4	7890.1	8281.2
66°	7627.8	7471.2	7665.7	8123.9	8396.3	8018.1	7398.3	7082.8	7351.8	7948.7	8381.2
67°	7604.9	7410.4	7632.1	8171.1	8464.2	8053.1	7337.5	6977.8	7288.2	7998.1	8477.0
68°	7562.7	7309.6	7584.2	8204.7	8509.9	8056.7	7249.6	6780.3	7183.8	8026.7	8565.0
69°	7469.8	7073.9	7476.9	8200.4	8535.7	8029.5	7103.2	6421.5	7005.5	8015.2	8629.3
70°	7283.9	6670.3	7263.2	8159.6	8536.4	7970.2	6856.9	5906.8	6702.5	7960.9	8670.8
71°	*6961.1*	*6066.9*	*6902.6*	*8071.0*	*8502.1*	*7864.4*	*6472.9*	*5348.0*	*6272.1*	*7864.4*	*8679.4*
72°	6442.8	5324.4	6343.6	7915.1	8413.4	7720.0	5977.1	4900.1	5770.6	7720.0	8643.6
73°	5741.0	4545.1	5653.8	7692.1	8232.6	7503.4	5477.4	4524.5	5301.7	7479.8	8537.8
74°	4947.5	3762.8	4876.2	7338.2	7946.6	7217.4	5015.2	4046.9	4839.2	7175.2	8336.2
75°	4107.1	2782.5	3994.4	6793.8	7589.2	6858.6	4484.0	3178.1	4284.0	6801.5	8026.7
76°	3155.0	1759.9	3017.9	6106.1	7097.3	6396.1	3693.1	2011.5	3433.6	6331.6	7567.7
77°	2245.2	738.8	2152.9	5280.5	6373.1	5765.4	2604.8	909.8	2314.7	5723.3	6857.2
78°	1335.3	306.1	1287.9	4247.7	5367.0	4904.3	1516.5	663.8	1148.8	4898.1	5791.0
79°	440.8	196.0	424.8	2954.7	4151.7	3769.4	433.1	425.2	813.0	3739.7	4459.4
80°	230.4	167.2	230.0	1892.9	2950.2	2658.9	232.8	186.7	505.6	2290.8	3021.2
81°	192.8	138.4	191.6	831.4	1748.8	1548.3	197.1	161.4	198.3	1019.8	1563.3
82°	155.2	117.8	153.2	340.9	573.3	455.8	172.2	141.3	164.2	728.5	538.7
83°	117.8	98.9	115.2	265.8	289.4	250.6	147.3	121.2	140.6	458.5	395.2
84°	95.4	81.8	93.0	190.8	235.0	204.4	122.4	100.8	116.7	188.5	253.4
85°	73.4	62.6	70.5	116.5	191.1	158.2	99.5	79.5	93.5	140.8	212.0
86°	52.9	42.3	50.0	83.4	147.2	112.1	77.9	59.5	72.2	108.3	167.4
87°	37.5	29.3	35.4	55.9	103.6	83.0	57.9	39.6	51.8	80.2	114.7
88°	22.0	16.4	20.8	38.9	70.7	56.8	40.0	19.6	31.4	64.7	58.0
89°	6.7	3.6	6.5	21.9	37.8	39.4	22.0	6.2	11.0	49.2	44.1

REPORT NUMBER: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4430.8	4430.8	4430.8
1°	4430.3	4428.8	4430.1
2°	4431.9	4429.8	4429.8
3°	4435.0	4432.6	4432.4
4°	4440.5	4437.2	4435.4
5°	4447.8	4442.4	4439.7
6°	4456.1	4449.5	4446.9
7°	4466.4	4458.8	4455.3
8°	4478.0	4469.1	4465.3
9°	4492.2	4482.4	4478.0
10°	4508.4	4498.5	4493.3
11°	4528.9	4516.5	4512.5
12°	4551.5	4538.4	4533.3
13°	4575.2	4561.2	4556.6
14°	4601.5	4587.4	4582.9
15°	4632.0	4617.3	4612.8
16°	4666.0	4649.4	4643.8
17°	4702.0	4683.2	4676.5
18°	4739.4	4717.5	4709.7
19°	4779.3	4754.1	4744.2
20°	4820.5	4791.8	4780.7
21°	4863.3	4831.2	4817.4
22°	4906.8	4871.8	4854.6
23°	4951.4	4915.9	4894.2
24°	4996.6	4961.5	4935.1
25°	5043.3	5009.6	4979.3
26°	5090.7	5058.8	5023.9
27°	5139.3	5108.8	5072.6
28°	5189.4	5159.4	5123.3
29°	5239.6	5210.9	5175.9
30°	5290.8	5263.7	5232.8
31°	5342.9	5317.6	5291.8
32°	5396.5	5368.7	5351.3
33°	5451.2	5423.1	5415.3
34°	5505.9	5478.7	5482.3
35°	5562.4	5534.2	5550.0
36°	5619.5	5587.4	5617.7
37°	5673.3	5638.9	5688.1
38°	5729.6	5688.9	5759.5
39°	5785.4	5739.6	5831.1
40°	5841.1	5794.0	5905.1
41°	5898.3	5855.7	5981.9
42°	5959.9	5922.0	6056.2
43°	6024.9	5992.5	6125.0
44°	6096.1	6067.0	6189.4

REPORT NUMBER: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	6170.5	6143.8	6252.9
46°	6252.0	6223.0	6312.7
47°	6335.2	6309.2	6368.9
48°	6418.5	6397.0	6424.7
49°	6506.8	6490.2	6483.5
50°	6595.2	6587.5	6545.6
51°	6690.3	6686.9	6611.1
52°	6787.9	6791.0	6676.4
53°	6886.2	6891.4	6750.8
54°	6992.1	6995.2	6829.9
55°	7097.8	7095.7	6910.2
56°	7206.0	7194.5	6990.4
57°	7315.4	7289.6	7069.3
58°	7427.6	7374.7	7142.9
59°	7542.0	7451.2	7220.3
60°	7659.9	7524.8	7293.2
61°	7775.0	7599.2	7355.4
62°	7890.1	7671.4	7408.3
63°	8006.6	7729.3	7462.6
64°	8120.3	7773.6	7530.5
65°	8234.7	7827.9	7604.9
66°	8344.8	7902.3	7649.9
67°	8442.0	7951.6	7657.8
68°	8510.6	7957.3	7652.8
69°	8579.3	7917.3	7569.1
70°	8619.3	7820.8	7273.2
71°	*8596.4*	*7582.7*	*6684.4*
72°	8480.6	7110.0	5914.8
73°	8317.6	6444.0	5170.7
74°	8066.0	5700.0	4452.2
75°	7597.0	4868.0	3388.5
76°	6954.7	3813.5	1974.8
77°	6180.8	2458.3	777.0
78°	5189.6	1156.3	566.9
79°	3793.6	819.9	376.6
80°	2101.6	513.6	186.3
81°	933.9	207.3	165.3
82°	672.8	170.6	146.2
83°	431.3	146.0	127.5
84°	189.8	122.1	108.3
85°	144.9	97.9	88.4
86°	112.6	75.4	65.4
87°	82.8	55.1	44.5
88°	66.6	34.8	23.6
89°	50.6	14.5	9.7

REPORT NUMBER: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436810
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)