

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: P1436834

Luminaire Tested: XAS300-SFPM (5000K-240W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436834
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-240W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 32021.5 lumens
Efficiency: 70.3%
Efficacy: 132.0 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

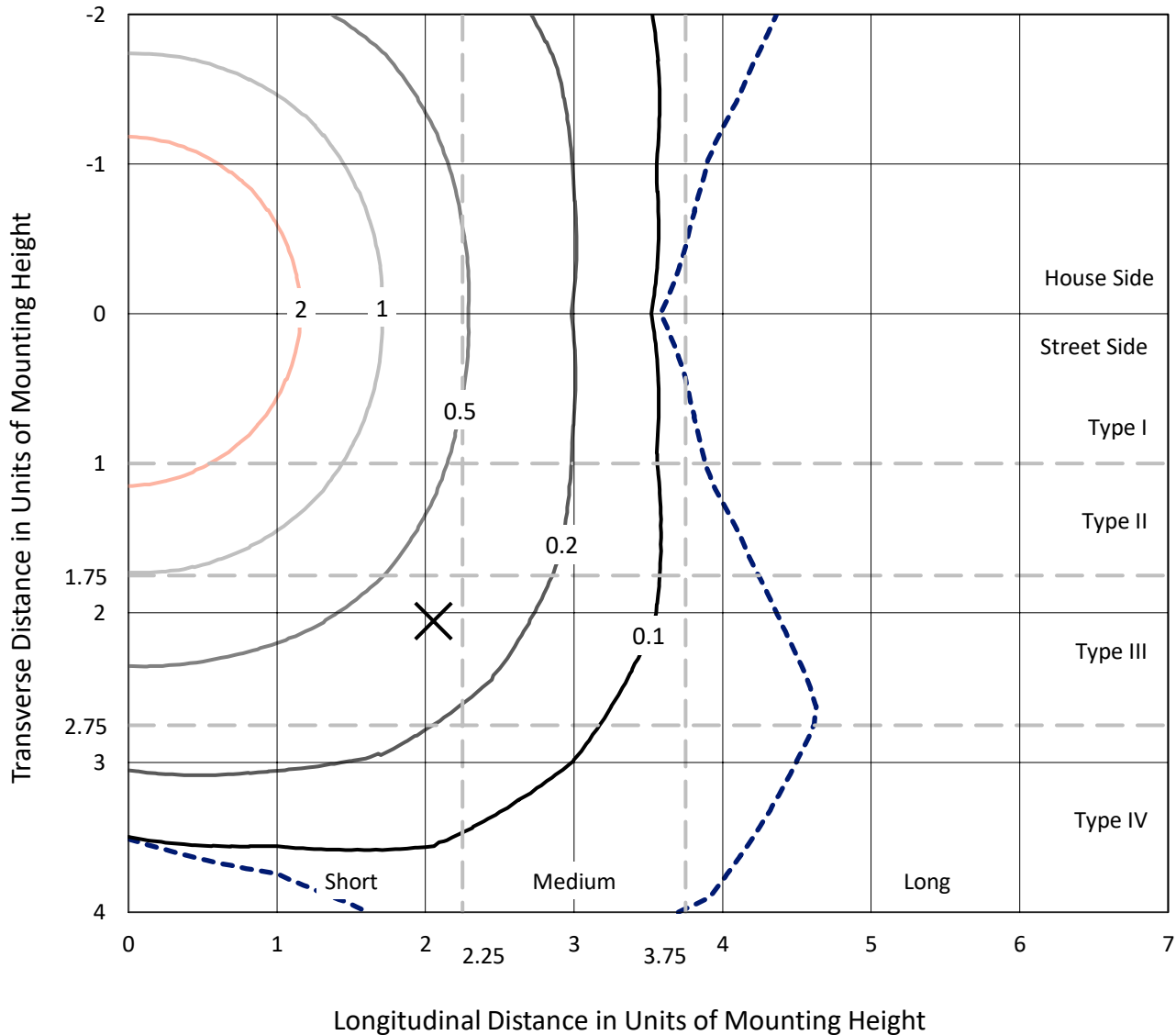
Input Watts (W): 242.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

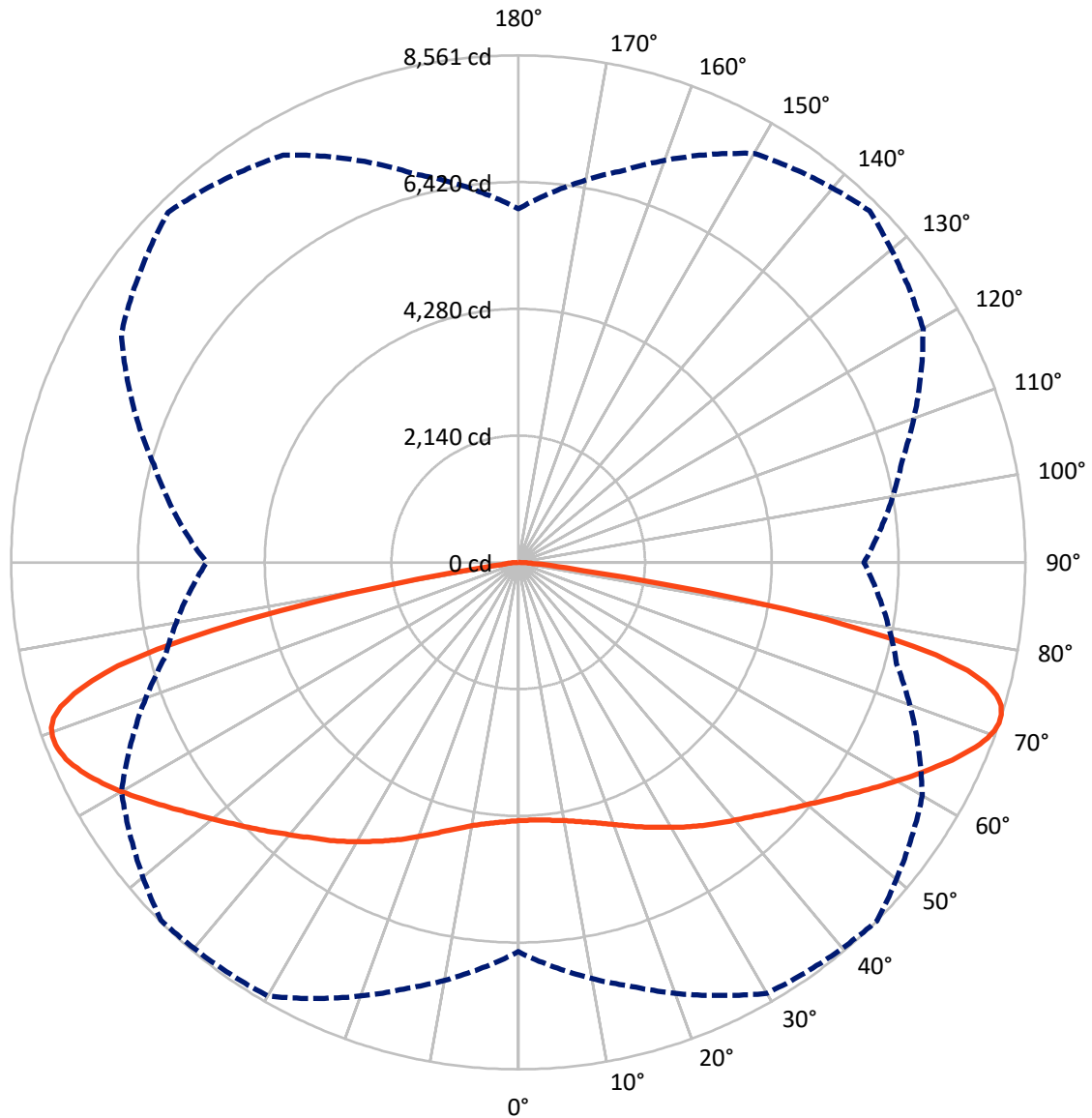


Based on 30 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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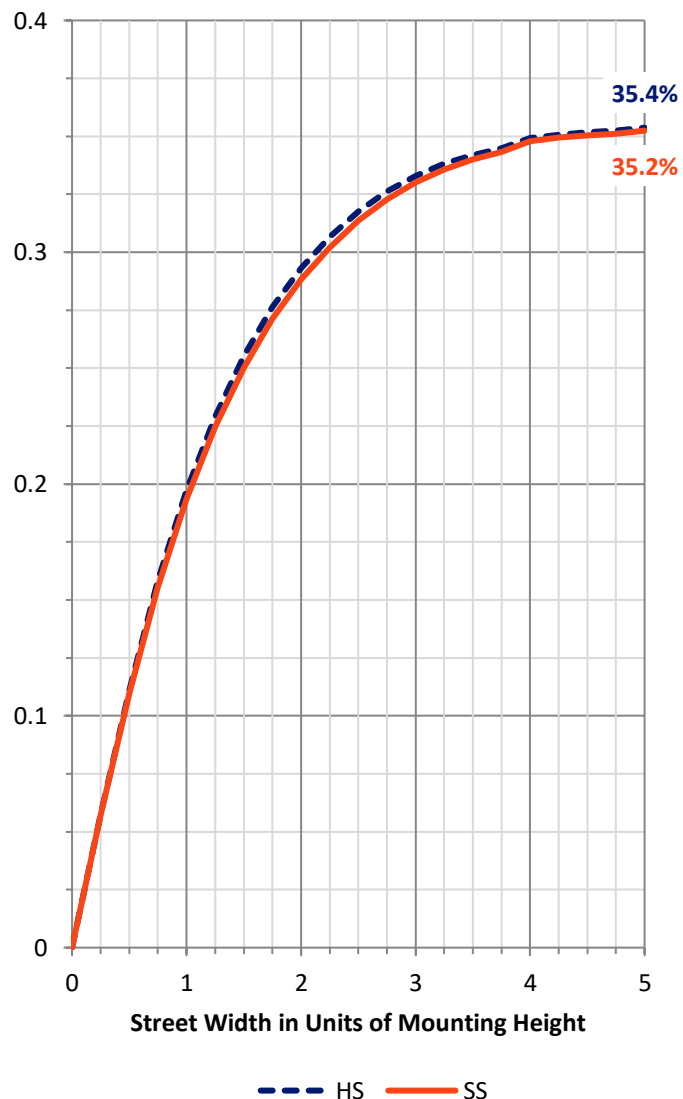
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16014.3	0.0	16014.3
	% Lamp	35.2	0.0	35.2
Street Side	Lumens	16007.2	0.0	16007.2
	% Lamp	35.2	0.0	35.2
Total	Lumens	32021.5	0.0	32021.5
	% Lamp	70.3	0.0	70.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	421.1	1.3	0.9
10°-20°	1314.3	4.1	2.9
20°-30°	2342.3	7.3	5.1
30°-40°	3505.1	10.9	7.7
40°-50°	4798.0	15.0	10.5
50°-60°	6256.5	19.5	13.7
60°-70°	7542.8	23.6	16.6
70°-80°	5512.6	17.2	12.1
80°-90°	328.9	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°	32021.5	100.0	70.3
0°-180°	32021.5	100.0	70.3

Coefficient of Utilization



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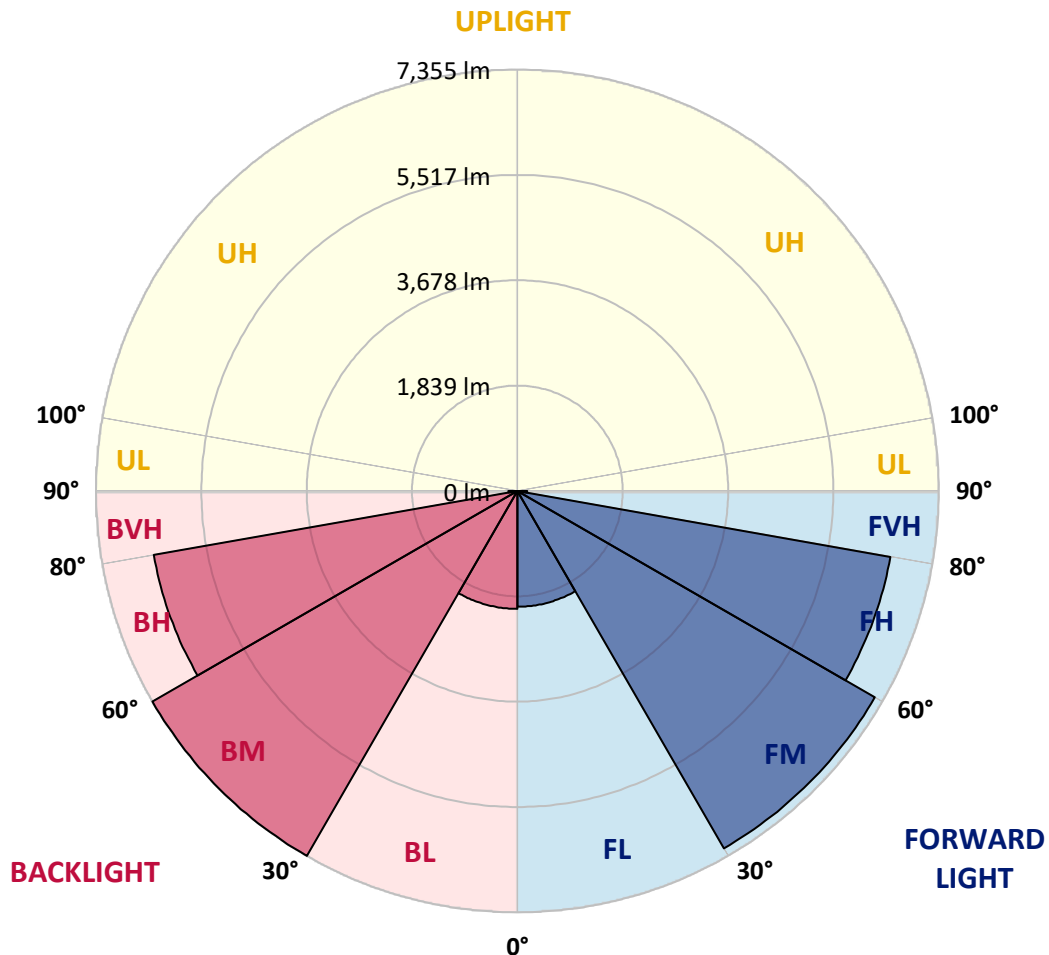
CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2020.5	4.4			
FM (30°-60°)	7204.1	15.8			
FH (60°-80°)	6611.6	14.5			G3/7500
FVH (80°-90°)	171.1	0.4			G2/225
BL (0°-30°)	2057.3	4.5	B3/2500		
BM (30°-60°)	7355.4	16.2	B4/8500		
BH (60°-80°)	6443.8	14.2	B5		G3/7500
BVH (80°-90°)	157.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	13513.5	29.7			

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6
1°	4357.9	4356.7	4357.0	4357.7	4358.4	4360.0	4356.5	4356.5	4357.2	4358.4	4358.9
2°	4357.6	4356.7	4356.7	4357.6	4359.0	4360.2	4357.2	4357.9	4359.4	4361.7	4362.9
3°	4360.2	4358.1	4358.7	4359.0	4361.8	4364.2	4361.1	4362.6	4364.9	4367.6	4369.2
4°	4363.1	4361.5	4362.4	4364.6	4367.4	4370.0	4367.4	4369.2	4372.8	4375.5	4377.2
5°	4367.4	4366.2	4368.1	4370.8	4375.7	4379.9	4377.6	4379.7	4382.1	4385.5	4388.9
6°	4374.5	4372.1	4375.7	4380.2	4386.8	4391.6	4389.9	4391.7	4393.8	4396.9	4401.5
7°	4382.8	4381.8	4384.8	4392.2	4399.3	4403.3	4402.5	4405.2	4407.0	4410.5	4416.2
8°	4392.5	4391.6	4397.2	4405.3	4412.4	4418.8	4417.8	4420.7	4424.0	4427.4	4434.4
9°	4405.1	4403.2	4410.8	4419.1	4429.2	4435.9	4435.2	4438.0	4443.1	4447.6	4454.4
10°	4420.1	4419.0	4426.7	4436.5	4448.8	4455.8	4454.7	4456.9	4463.5	4471.4	4477.6
11°	4438.9	4436.1	4445.6	4456.9	4469.3	4475.9	4475.8	4477.8	4485.5	4496.1	4503.1
12°	4459.4	4456.4	4465.6	4478.6	4491.4	4499.4	4500.3	4502.7	4511.9	4524.3	4531.8
13°	4482.4	4478.5	4487.4	4502.9	4515.9	4525.0	4527.3	4531.4	4540.9	4554.2	4563.1
14°	4508.2	4504.3	4511.1	4528.5	4542.9	4556.2	4558.9	4561.9	4573.0	4586.1	4597.7
15°	4537.7	4531.7	4538.5	4555.9	4573.2	4587.9	4592.5	4596.9	4607.8	4621.1	4633.4
16°	4568.1	4561.5	4569.2	4585.6	4606.0	4622.4	4629.3	4635.4	4644.4	4657.9	4670.7
17°	4600.3	4591.6	4601.7	4617.1	4640.2	4660.6	4669.2	4673.8	4684.1	4697.2	4709.9
18°	4633.0	4624.7	4633.9	4653.4	4676.3	4701.0	4711.2	4716.3	4725.4	4739.2	4751.7
19°	4666.9	4658.6	4670.2	4693.0	4714.4	4742.2	4755.9	4759.8	4768.5	4782.5	4794.2
20°	4702.8	4694.8	4707.4	4732.3	4755.1	4784.5	4801.6	4805.8	4812.9	4826.9	4837.1
21°	4738.9	4732.1	4746.1	4773.8	4796.8	4830.6	4848.0	4854.9	4859.0	4874.4	4881.4
22°	4775.5	4769.9	4786.8	4815.6	4840.6	4877.3	4895.2	4905.5	4907.9	4921.5	4925.0
23°	4814.5	4810.5	4828.5	4860.0	4888.0	4925.3	4941.6	4954.6	4958.3	4969.4	4971.1
24°	4854.7	4853.1	4870.9	4904.5	4934.8	4970.4	4985.6	5003.3	5009.1	5017.4	5016.0
25°	4898.2	4897.2	4915.4	4951.0	4982.3	5016.1	5029.0	5051.5	5059.2	5066.4	5063.0
26°	4942.0	4944.4	4960.3	4997.7	5028.5	5063.8	5074.0	5100.1	5110.5	5115.5	5110.6
27°	4989.9	4992.7	5007.6	5045.1	5074.9	5112.5	5121.2	5150.8	5161.5	5163.8	5158.1
28°	5039.8	5043.0	5055.5	5092.4	5121.7	5162.2	5171.6	5199.8	5212.2	5214.0	5206.7
29°	5091.6	5093.2	5105.3	5141.3	5169.2	5212.2	5224.2	5251.7	5265.4	5262.7	5256.1
30°	5147.5	5145.6	5155.2	5190.3	5218.8	5263.9	5281.1	5306.2	5318.1	5313.1	5307.1
31°	5205.5	5197.9	5207.0	5242.6	5268.0	5317.1	5338.0	5361.3	5374.0	5366.2	5359.1
32°	5264.1	5250.1	5257.4	5294.2	5319.2	5367.3	5393.4	5414.9	5428.4	5420.5	5414.5
33°	5327.1	5302.2	5308.5	5344.0	5371.4	5417.9	5449.4	5467.6	5481.7	5475.7	5466.5
34°	5393.0	5355.4	5360.3	5395.4	5422.1	5468.6	5506.6	5519.8	5532.3	5526.9	5521.2
35°	5459.6	5409.8	5415.2	5449.9	5471.6	5520.2	5564.7	5572.5	5581.9	5580.9	5578.0
36°	5526.2	5462.6	5467.9	5501.5	5521.8	5570.5	5623.7	5624.1	5633.7	5636.7	5634.6
37°	5595.4	5512.6	5520.9	5551.4	5572.5	5616.7	5684.0	5675.5	5687.8	5692.7	5693.9
38°	5665.7	5561.0	5571.9	5604.6	5623.8	5664.1	5745.4	5725.2	5741.4	5750.3	5752.1
39°	5736.1	5610.5	5622.8	5656.6	5674.8	5714.8	5811.5	5776.8	5794.7	5808.4	5809.6
40°	5808.9	5663.3	5674.2	5709.7	5727.2	5767.9	5882.7	5832.3	5850.9	5869.7	5870.1
41°	5884.4	5720.5	5729.2	5765.2	5783.3	5825.4	5952.1	5890.1	5909.6	5930.2	5929.5
42°	5957.5	5784.9	5787.3	5824.5	5841.7	5885.9	6017.6	5952.7	5969.3	5993.9	5992.5
43°	6025.2	5854.5	5848.3	5887.6	5906.5	5947.2	6084.4	6015.5	6034.1	6060.0	6057.9
44°	6088.6	5927.6	5913.4	5953.5	5973.8	6013.6	6151.5	6079.3	6101.0	6129.5	6126.1



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CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6151.0	5999.6	5981.5	6022.0	6041.3	6083.2	6219.0	6145.3	6168.4	6201.0	6197.0
46°	6209.9	6076.1	6054.3	6094.8	6113.9	6155.1	6282.1	6217.1	6240.3	6274.5	6271.1
47°	6265.1	6157.2	6132.7	6167.6	6187.4	6230.4	6341.1	6291.8	6313.6	6351.0	6346.3
48°	6320.0	6242.8	6212.9	6244.6	6261.0	6305.3	6399.5	6368.2	6389.1	6430.0	6426.1
49°	6377.9	6332.4	6295.5	6324.7	6339.9	6381.8	6455.0	6443.3	6463.6	6508.4	6508.2
50°	6438.9	6426.9	6381.6	6406.4	6423.5	6462.2	6508.2	6521.0	6542.0	6589.9	6593.2
51°	6503.4	6523.1	6472.5	6491.8	6503.9	6541.4	6559.2	6598.0	6620.5	6673.3	6680.4
52°	6567.6	6622.1	6565.8	6582.0	6591.3	6623.0	6605.7	6676.8	6701.5	6759.1	6770.0
53°	6640.8	6724.5	6661.7	6679.5	6677.6	6699.1	6650.5	6750.8	6783.3	6847.9	6862.9
54°	6718.6	6824.9	6763.4	6778.0	6765.7	6770.6	6697.4	6822.1	6869.3	6938.2	6956.7
55°	6797.6	6923.4	6869.0	6881.2	6853.8	6839.7	6743.2	6889.5	6951.7	7033.7	7052.0
56°	6876.6	7019.7	6976.8	6988.5	6943.9	6910.4	6790.1	6955.5	7033.7	7130.8	7146.3
57°	6954.1	7111.1	7086.5	7096.3	7033.0	6979.2	6836.2	7017.9	7118.1	7234.2	7239.1
58°	7026.6	7198.3	7194.1	7211.0	7123.1	7040.1	6881.8	7075.2	7199.7	7338.9	7325.6
59°	7102.7	7274.9	7305.9	7325.6	7211.7	7093.5	6921.5	7128.7	7279.9	7446.5	7404.3
60°	7174.4	7349.5	7416.3	7444.4	7298.9	7140.6	6954.7	7175.8	7358.6	7556.2	7478.9
61°	7235.6	7413.5	7533.0	7564.7	7381.8	7177.9	6980.4	7213.1	7439.5	7668.1	7558.4
62°	7287.6	7469.0	7647.7	7683.5	7466.9	7203.2	6998.0	7244.0	7519.7	7777.1	7641.3
63°	7341.1	7522.5	7762.3	7803.1	7551.3	7222.9	7010.5	7270.0	7597.0	7883.9	7718.7
64°	7407.9	7573.8	7873.4	7924.0	7628.0	7233.5	7015.7	7286.2	7673.0	7989.4	7791.1
65°	7481.0	7634.3	7986.6	8047.1	7704.6	7240.5	7016.2	7298.2	7746.8	8085.1	7858.6
66°	7525.3	7699.0	8093.5	8163.8	7775.7	7243.3	6996.8	7300.3	7812.9	8175.1	7926.8
67°	7533.0	7749.6	8184.9	8272.1	7831.9	7229.2	6958.1	7282.7	7869.2	8251.0	7985.2
68°	7528.1	7765.8	8270.7	8376.2	7886.8	7178.6	6863.0	7241.2	7915.6	8316.4	8029.5
69°	7445.8	7741.9	8350.2	8462.7	7916.3	7085.8	6655.3	7151.9	7945.1	8362.9	8038.0
70°	7154.7	7654.7	8400.8	8527.4	7912.1	6899.8	6325.6	6985.7	7942.3	8392.4	8019.0
71°	6575.5	7413.5	8400.8	8560.5	7876.9	6612.8	5836.1	6715.0	7891.0	8391.0	7972.6
72°	5818.4	6956.2	8328.4	8551.3	7794.6	6228.8	5314.8	6319.2	7787.6	8354.4	7855.1
73°	5086.4	6320.9	8184.9	8502.1	7657.5	5773.5	4848.0	5831.5	7616.0	8248.9	7662.4
74°	4379.7	5611.5	7950.8	8383.9	7441.6	5323.8	4459.1	5326.1	7381.1	8061.9	7374.8
75°	3333.3	4824.0	7589.3	8149.8	7183.5	4879.1	4006.9	4853.4	7068.2	7774.2	6914.5
76°	1942.6	3799.2	7042.2	7798.9	6848.8	4316.1	3213.3	4353.6	6683.5	7381.8	6288.2
77°	764.3	2415.7	6307.4	7225.0	6401.3	3458.3	2262.0	3569.8	6202.9	6796.0	5536.6
78°	557.7	1096.5	5392.3	6393.1	5742.8	2310.1	1310.7	2529.5	5588.2	5958.9	4614.3
79°	370.4	778.8	4156.4	5289.4	4824.7	1148.5	368.1	1489.2	4715.7	4827.2	3381.1
80°	183.2	486.7	2574.7	3919.3	3572.0	817.3	208.8	458.0	3524.0	3516.2	2400.0
81°	162.6	194.6	1219.2	2483.9	2087.5	504.7	184.3	228.6	2471.6	2472.1	1418.8
82°	143.8	167.7	878.0	1112.8	895.7	192.1	159.7	189.0	1419.2	1428.0	442.6
83°	125.4	143.5	541.8	816.4	646.0	155.9	135.4	162.9	375.1	384.8	239.4
84°	106.6	120.7	205.7	527.9	411.2	131.6	115.9	136.8	221.4	245.7	182.4
85°	86.9	98.3	155.3	239.5	176.4	108.1	96.2	113.1	173.7	204.8	126.1
86°	64.4	77.1	118.7	189.9	129.8	85.6	76.3	90.2	126.1	163.3	89.3
87°	43.8	57.2	90.0	141.5	99.5	65.5	55.6	69.8	95.5	121.7	62.5
88°	23.2	37.4	62.1	87.9	71.2	45.6	35.7	50.3	68.4	76.2	38.7
89°	9.5	17.6	33.2	46.2	38.9	25.7	25.1	34.9	47.1	52.4	27.3



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CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6	4358.6
1°	4360.5	4362.2	4363.2	4364.0	4364.4	4365.1	4365.3	4361.0	4360.8	4360.4	4359.0
2°	4364.4	4368.0	4369.6	4371.5	4371.4	4372.5	4371.9	4368.6	4366.9	4364.9	4362.1
3°	4372.2	4375.9	4378.8	4380.2	4381.0	4381.3	4380.8	4377.3	4374.1	4371.1	4366.9
4°	4381.6	4385.6	4389.0	4391.1	4392.5	4393.1	4391.3	4386.0	4383.0	4379.5	4373.9
5°	4391.9	4396.8	4400.8	4404.2	4405.5	4405.4	4403.0	4397.2	4392.3	4388.2	4382.1
6°	4404.1	4410.3	4414.3	4418.1	4420.0	4419.7	4417.3	4410.6	4405.3	4398.7	4390.6
7°	4419.9	4425.9	4430.3	4434.7	4436.6	4436.3	4433.0	4426.7	4419.5	4412.2	4401.8
8°	4438.3	4443.8	4448.9	4454.6	4455.4	4455.2	4452.0	4443.9	4436.5	4428.6	4415.6
9°	4459.9	4464.8	4470.4	4476.0	4477.4	4475.4	4470.9	4463.1	4455.8	4447.5	4432.0
10°	4482.1	4487.5	4493.0	4500.1	4501.5	4498.6	4494.2	4486.9	4478.0	4467.1	4450.9
11°	4508.9	4515.1	4520.4	4526.6	4529.2	4526.8	4521.4	4514.8	4505.2	4490.7	4472.8
12°	4538.6	4545.0	4550.5	4556.2	4560.5	4558.7	4552.9	4547.5	4536.1	4519.3	4496.4
13°	4571.1	4577.8	4582.6	4589.1	4594.3	4593.2	4587.0	4581.3	4569.4	4551.2	4523.8
14°	4604.7	4611.6	4617.2	4624.5	4631.1	4631.4	4623.2	4616.5	4603.9	4584.2	4553.9
15°	4640.8	4648.8	4653.3	4663.4	4670.9	4670.1	4662.1	4655.5	4641.3	4618.8	4588.2
16°	4680.4	4687.7	4693.6	4704.2	4715.6	4713.2	4703.7	4698.9	4681.8	4656.4	4624.3
17°	4720.5	4728.3	4734.7	4747.5	4760.4	4756.4	4747.6	4743.2	4725.9	4697.5	4661.9
18°	4761.4	4768.4	4775.9	4791.8	4806.4	4801.9	4794.1	4789.8	4770.0	4739.4	4701.0
19°	4804.3	4810.2	4818.5	4837.2	4853.3	4848.2	4841.2	4837.2	4815.8	4784.4	4741.7
20°	4847.4	4851.5	4863.0	4882.5	4902.0	4897.2	4890.8	4886.1	4863.7	4829.2	4783.8
21°	4890.8	4894.2	4909.6	4930.9	4954.2	4947.5	4942.4	4937.0	4915.3	4875.2	4828.3
22°	4934.3	4937.6	4955.2	4978.0	5004.8	4999.6	4995.8	4985.4	4965.5	4921.6	4873.3
23°	4979.2	4981.6	5002.2	5028.6	5056.2	5051.0	5048.7	5033.7	5016.3	4972.0	4920.8
24°	5025.2	5028.5	5050.9	5077.1	5106.6	5105.5	5101.0	5080.8	5066.3	5022.9	4967.9
25°	5072.9	5077.1	5101.3	5128.5	5157.1	5159.8	5152.1	5129.5	5117.1	5072.1	5015.5
26°	5121.4	5128.5	5153.3	5181.2	5207.9	5215.1	5206.7	5178.8	5168.0	5120.5	5061.3
27°	5171.7	5180.7	5207.0	5232.5	5257.4	5269.6	5260.0	5229.1	5220.4	5170.3	5108.6
28°	5224.3	5236.8	5261.4	5283.8	5310.4	5325.9	5315.2	5284.2	5273.1	5220.2	5159.3
29°	5278.0	5294.8	5318.0	5335.1	5363.4	5381.5	5371.4	5343.9	5326.8	5270.9	5209.8
30°	5332.3	5353.7	5374.1	5387.6	5417.6	5436.3	5429.0	5404.1	5382.1	5320.7	5261.0
31°	5386.4	5415.5	5430.2	5442.3	5473.1	5489.6	5486.3	5464.6	5436.2	5372.7	5313.1
32°	5441.3	5478.8	5487.2	5496.5	5527.6	5543.7	5539.9	5519.4	5487.9	5423.7	5368.5
33°	5495.8	5544.1	5543.4	5550.5	5581.8	5594.9	5593.7	5574.6	5537.3	5476.3	5423.3
34°	5552.8	5608.1	5598.4	5606.2	5635.6	5644.5	5644.1	5630.1	5587.0	5527.1	5477.9
35°	5608.4	5675.4	5653.6	5662.2	5689.1	5693.8	5694.4	5686.5	5632.8	5578.4	5531.7
36°	5665.8	5743.4	5709.9	5717.9	5741.5	5744.2	5740.8	5743.0	5675.7	5627.7	5584.3
37°	5721.9	5810.5	5764.3	5775.0	5794.0	5796.2	5787.7	5805.1	5723.1	5678.5	5638.2
38°	5775.7	5878.5	5816.3	5830.9	5849.9	5848.5	5837.1	5871.1	5772.6	5728.5	5693.4
39°	5829.3	5949.6	5870.5	5886.1	5910.5	5903.4	5887.0	5940.0	5823.4	5783.7	5747.5
40°	5887.9	6022.8	5929.3	5945.0	5971.9	5958.9	5942.0	6011.4	5878.2	5840.9	5802.0
41°	5949.9	6093.8	5994.4	6005.4	6034.4	6018.3	5997.9	6087.0	5940.1	5901.3	5861.0
42°	6013.2	6164.1	6061.0	6069.1	6101.3	6079.7	6061.8	6162.9	6007.1	5961.8	5925.7
43°	6077.1	6233.3	6129.7	6136.3	6169.7	6142.7	6134.7	6235.8	6080.7	6026.6	5992.0
44°	6147.3	6300.0	6201.0	6205.3	6239.8	6209.3	6208.7	6301.0	6154.8	6093.1	6061.8



REPORT NUMBER: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6220.1	6366.1	6275.2	6276.7	6312.6	6280.4	6285.0	6360.7	6228.7	6166.8	6135.0
46°	6300.1	6433.6	6354.6	6352.1	6383.2	6355.8	6357.3	6421.1	6302.9	6244.4	6211.3
47°	6383.1	6499.7	6440.3	6430.4	6458.6	6435.4	6435.2	6479.4	6379.7	6325.4	6289.3
48°	6473.1	6558.8	6526.3	6509.3	6533.7	6517.5	6515.9	6532.1	6458.8	6405.2	6369.5
49°	6563.3	6619.3	6615.6	6589.2	6613.3	6600.3	6597.7	6580.2	6540.4	6484.9	6452.3
50°	6652.7	6681.6	6705.3	6675.0	6696.1	6684.6	6680.6	6627.7	6622.2	6564.8	6539.0
51°	6742.5	6747.0	6794.8	6760.0	6780.5	6764.6	6759.8	6675.2	6704.0	6647.8	6629.9
52°	6833.6	6810.0	6885.6	6852.2	6870.7	6846.9	6838.2	6723.8	6778.1	6732.3	6722.7
53°	6925.4	6870.4	6976.4	6943.6	6962.1	6929.8	6910.3	6770.5	6850.1	6816.4	6819.7
54°	7013.4	6929.3	7061.2	7038.7	7056.9	7014.8	6977.4	6817.9	6920.2	6902.4	6921.3
55°	7094.2	6988.5	7138.5	7134.3	7154.7	7096.3	7038.0	6862.2	6984.2	6982.1	7025.7
56°	7161.0	7043.6	7205.3	7229.2	7255.3	7177.9	7092.8	6904.4	7041.5	7066.1	7133.6
57°	7217.3	7097.7	7266.5	7327.0	7362.2	7256.7	7144.9	6944.0	7090.0	7150.5	7243.3
58°	7267.9	7149.1	7320.0	7412.8	7467.6	7334.0	7189.9	6981.1	7133.6	7227.8	7352.3
59°	7315.0	7197.6	7368.5	7490.1	7574.5	7410.0	7229.2	7007.3	7171.6	7305.9	7462.0
60°	7357.9	7240.5	7408.6	7569.6	7686.3	7481.0	7259.5	7026.1	7201.8	7389.6	7575.9
61°	7391.7	7279.2	7439.5	7654.7	7792.5	7550.6	7282.7	7046.4	7223.6	7469.7	7692.7
62°	7416.3	7318.6	7466.2	7737.0	7897.3	7623.8	7296.7	7060.5	7242.6	7546.4	7810.1
63°	7444.4	7355.1	7494.4	7810.1	7995.8	7697.6	7307.3	7062.6	7256.7	7623.8	7927.6
64°	7470.4	7391.7	7526.7	7872.7	8092.8	7765.1	7310.8	7055.5	7263.0	7696.2	8041.5
65°	7494.4	7398.7	7547.8	7930.4	8180.7	7829.8	7303.1	7028.7	7255.3	7761.6	8146.3
66°	7503.5	7349.5	7540.8	7991.5	8259.5	7887.5	7277.8	6967.4	7232.1	7819.3	8244.7
67°	7481.0	7289.7	7507.7	8038.0	8326.3	7921.9	7218.0	6864.1	7169.5	7867.8	8338.9
68°	7439.5	7190.6	7460.6	8071.0	8371.3	7925.4	7131.5	6669.9	7066.8	7895.9	8425.4
69°	7348.1	6958.6	7355.1	8066.8	8396.6	7898.7	6987.5	6316.9	6891.4	7884.7	8488.7
70°	7165.2	6561.7	7144.9	8026.7	8397.3	7840.3	6745.2	5810.5	6593.3	7831.2	8529.5
71°	6847.7	5968.1	6790.1	7939.5	8363.6	7736.3	6367.5	5260.9	6170.0	7736.3	8538.0
72°	6337.8	5237.7	6240.2	7786.2	8276.4	7594.2	5879.7	4820.2	5676.6	7594.2	8502.8
73°	5647.5	4471.0	5561.7	7566.8	8098.4	7381.1	5388.2	4450.8	5215.3	7357.9	8398.7
74°	4866.9	3701.5	4796.8	7218.7	7817.1	7099.8	4933.5	3980.9	4760.3	7058.4	8200.4
75°	4040.1	2737.1	3929.3	6683.1	7465.5	6746.9	4411.0	3126.4	4214.2	6690.7	7895.9
76°	3103.6	1731.2	2968.7	6006.7	6981.6	6291.9	3633.0	1978.7	3377.6	6228.5	7444.4
77°	2208.6	726.7	2117.8	5194.4	6269.3	5671.4	2562.4	895.0	2277.0	5630.0	6745.5
78°	1313.5	301.2	1266.9	4178.5	5279.6	4824.4	1491.8	653.0	1130.1	4818.3	5696.7
79°	433.7	192.9	417.8	2906.5	4084.0	3708.0	426.0	418.3	799.7	3678.8	4386.8
80°	226.7	164.5	226.2	1862.0	2902.2	2615.5	229.0	183.6	497.4	2253.5	2972.0
81°	189.7	136.2	188.5	817.9	1720.3	1523.1	193.9	158.8	195.1	1003.2	1537.8
82°	152.7	115.9	150.7	335.3	564.0	448.4	169.4	139.0	161.5	716.6	529.9
83°	115.9	97.3	113.3	261.5	284.7	246.5	144.9	119.2	138.3	451.0	388.7
84°	93.9	80.4	91.5	187.7	231.1	201.1	120.4	99.2	114.8	185.4	249.3
85°	72.2	61.6	69.4	114.6	188.0	155.7	97.8	78.2	92.0	138.5	208.5
86°	52.1	41.6	49.2	82.1	144.8	110.3	76.6	58.5	71.0	106.5	164.6
87°	36.8	28.9	34.8	54.9	101.9	81.7	57.0	38.9	50.9	78.9	112.9
88°	21.6	16.1	20.5	38.2	69.5	55.9	39.3	19.3	30.9	63.6	57.1
89°	6.6	3.5	6.4	21.5	37.2	38.8	21.7	6.1	10.8	48.4	43.4



REPORT NUMBER: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4358.6	4358.6	4358.6
1°	4358.1	4356.7	4357.9
2°	4359.7	4357.6	4357.6
3°	4362.8	4360.4	4360.2
4°	4368.1	4364.9	4363.1
5°	4375.3	4370.0	4367.4
6°	4383.5	4377.0	4374.5
7°	4393.7	4386.1	4382.8
8°	4405.1	4396.3	4392.5
9°	4419.0	4409.3	4405.1
10°	4434.9	4425.2	4420.1
11°	4455.1	4443.0	4438.9
12°	4477.3	4464.5	4459.4
13°	4500.7	4486.9	4482.4
14°	4526.6	4512.6	4508.2
15°	4556.5	4542.0	4537.7
16°	4590.0	4573.7	4568.1
17°	4625.4	4606.9	4600.3
18°	4662.2	4640.6	4633.0
19°	4701.5	4676.6	4666.9
20°	4742.0	4713.7	4702.8
21°	4784.1	4752.5	4738.9
22°	4826.9	4792.5	4775.5
23°	4870.7	4835.9	4814.5
24°	4915.2	4880.7	4854.7
25°	4961.1	4928.0	4898.2
26°	5007.7	4976.4	4942.0
27°	5055.5	5025.6	4989.9
28°	5104.8	5075.3	5039.8
29°	5154.2	5126.0	5091.6
30°	5204.6	5177.9	5147.5
31°	5255.9	5230.9	5205.5
32°	5308.6	5281.3	5264.1
33°	5362.4	5334.8	5327.1
34°	5416.2	5389.4	5393.0
35°	5471.8	5444.1	5459.6
36°	5527.9	5496.3	5526.2
37°	5580.9	5547.0	5595.4
38°	5636.3	5596.3	5665.7
39°	5691.2	5646.1	5736.1
40°	5745.9	5699.6	5808.9
41°	5802.2	5760.3	5884.4
42°	5862.8	5825.5	5957.5
43°	5926.7	5894.9	6025.2
44°	5996.8	5968.1	6088.6



REPORT NUMBER: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	6070.0	6043.7	6151.0
46°	6150.1	6121.6	6209.9
47°	6232.0	6206.4	6265.1
48°	6314.0	6292.8	6320.0
49°	6400.8	6384.4	6377.9
50°	6487.8	6480.2	6438.9
51°	6581.3	6578.0	6503.4
52°	6677.3	6680.4	6567.6
53°	6774.0	6779.1	6640.8
54°	6878.2	6881.2	6718.6
55°	6982.2	6980.1	6797.6
56°	7088.6	7077.3	6876.6
57°	7196.2	7170.9	6954.1
58°	7306.6	7254.6	7026.6
59°	7419.1	7329.8	7102.7
60°	7535.1	7402.2	7174.4
61°	7648.4	7475.4	7235.6
62°	7761.6	7546.4	7287.6
63°	7876.2	7603.4	7341.1
64°	7988.0	7647.0	7407.9
65°	8100.5	7700.4	7481.0
66°	8208.8	7773.5	7525.3
67°	8304.5	7822.1	7533.0
68°	8372.0	7827.7	7528.1
69°	8439.5	7788.3	7445.8
70°	8478.9	7693.4	7154.7
71°	8456.4	7459.2	6575.5
72°	8342.5	6994.1	5818.4
73°	8182.1	6339.0	5086.4
74°	7934.6	5607.2	4379.7
75°	7473.3	4788.7	3333.3
76°	6841.4	3751.3	1942.6
77°	6080.1	2418.2	764.3
78°	5105.1	1137.5	557.7
79°	3731.8	806.5	370.4
80°	2067.4	505.2	183.2
81°	918.7	204.0	162.6
82°	661.8	167.8	143.8
83°	424.2	143.6	125.4
84°	186.7	120.2	106.6
85°	142.5	96.4	86.9
86°	110.8	74.2	64.4
87°	81.5	54.2	43.8
88°	65.5	34.2	23.2
89°	49.8	14.2	9.5



REPORT NUMBER: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436834

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)