

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: P1445096

Luminaire Tested: XAS300-SFPM (5000K-180W-T5)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445096
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-180W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 5
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 29841.9 lumens
Efficiency: 65.5%
Efficacy: 159.3 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): 187.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

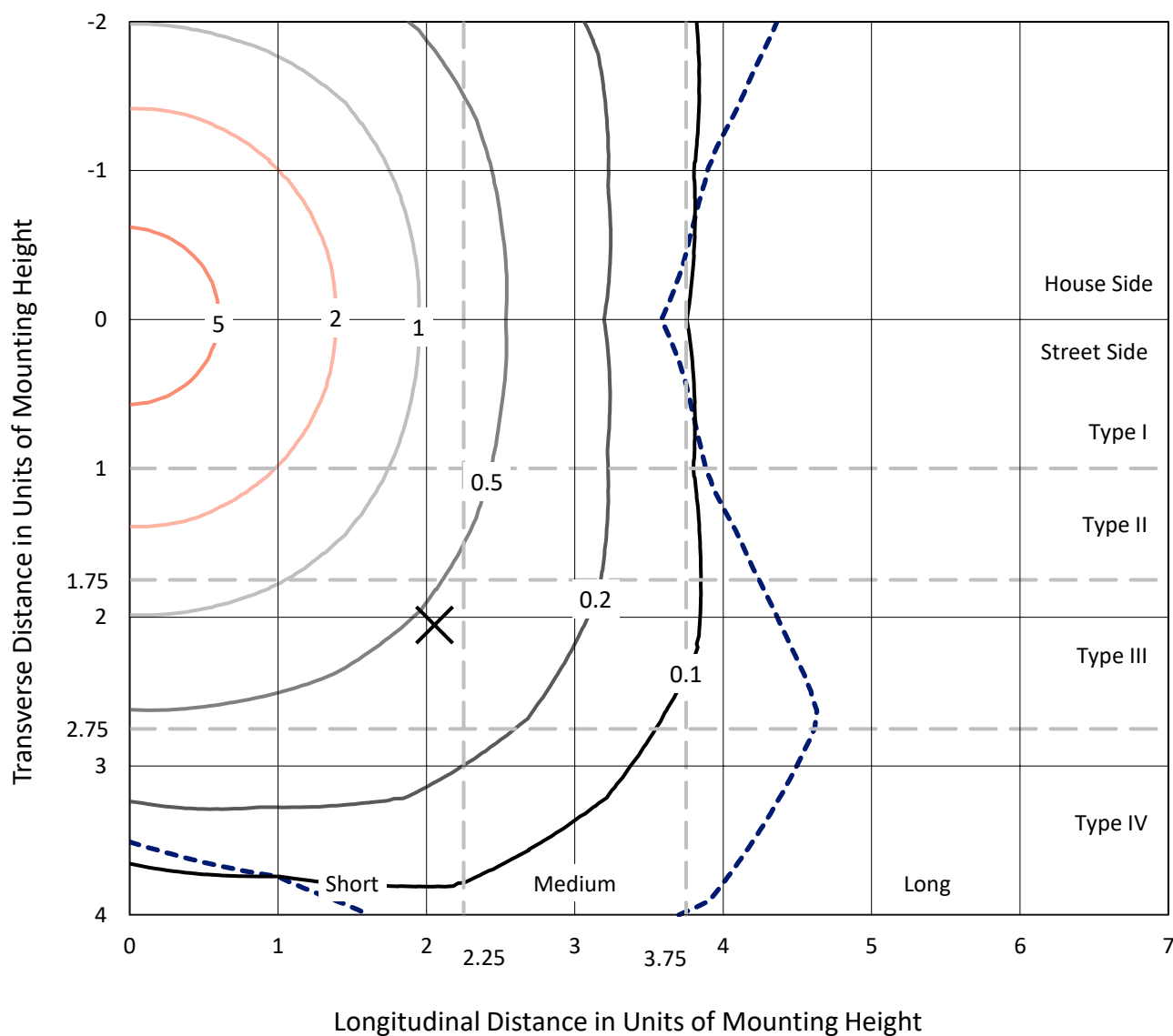
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

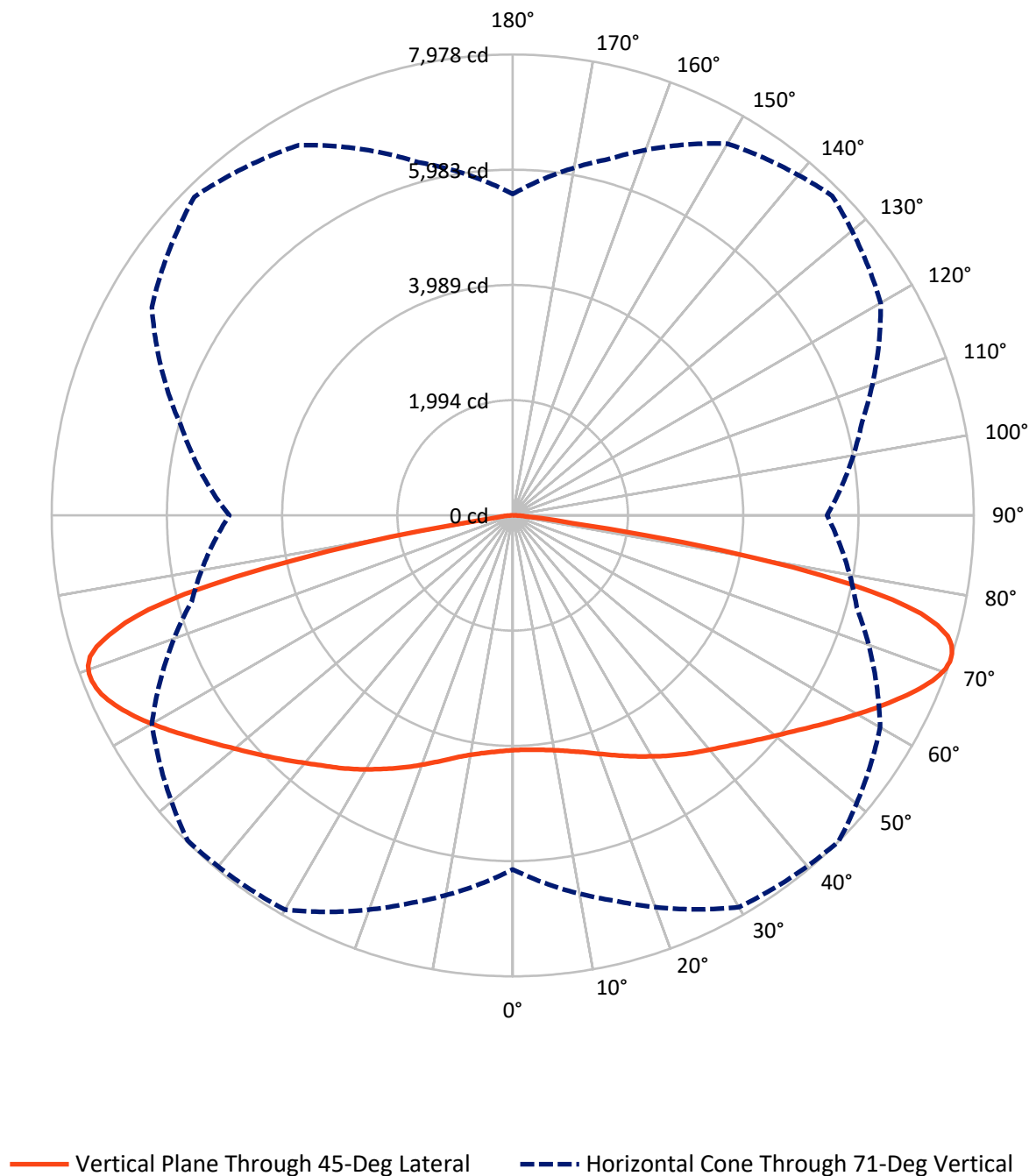


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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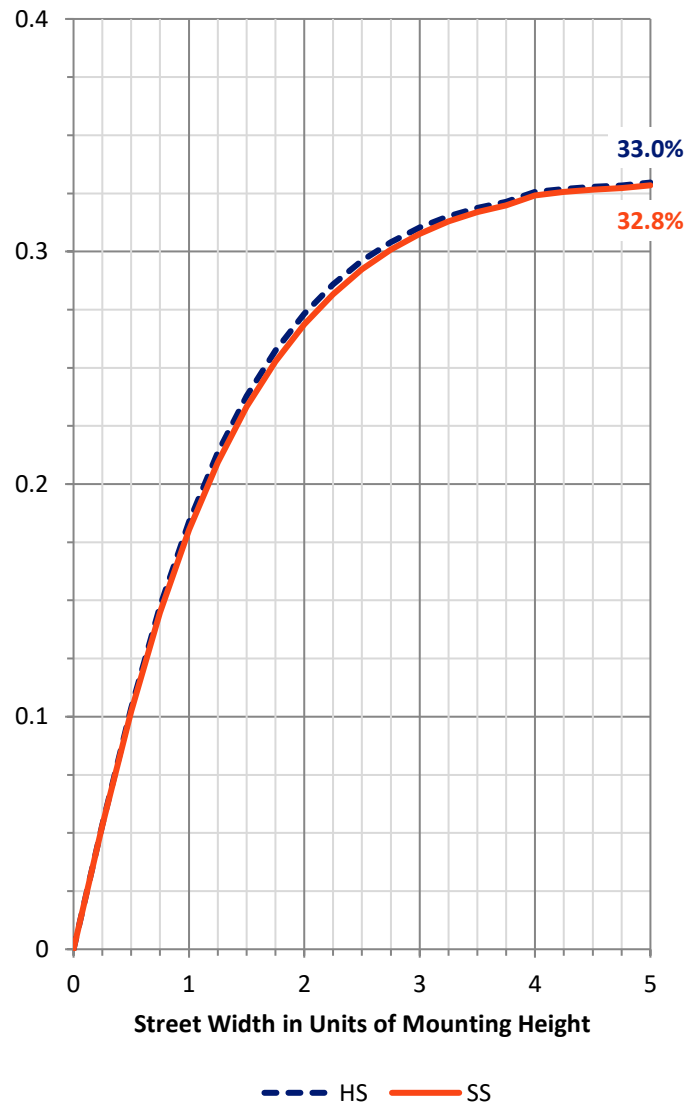
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14924.2	0.0	14924.2
	% Lamp	32.8	0.0	32.8
Street Side	Lumens	14917.7	0.0	14917.7
	% Lamp	32.8	0.0	32.8
Total	Lumens	29841.9	0.0	29841.9
	% Lamp	65.5	0.0	65.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	392.4	1.3	0.9
10°-20°	1224.9	4.1	2.7
20°-30°	2182.9	7.3	4.8
30°-40°	3266.5	10.9	7.2
40°-50°	4471.4	15.0	9.8
50°-60°	5830.6	19.5	12.8
60°-70°	7029.4	23.6	15.4
70°-80°	5137.3	17.2	11.3
80°-90°	306.5	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°	29841.9	100.0	65.5
0°-180°	29841.9	100.0	65.5

Coefficient of Utilization



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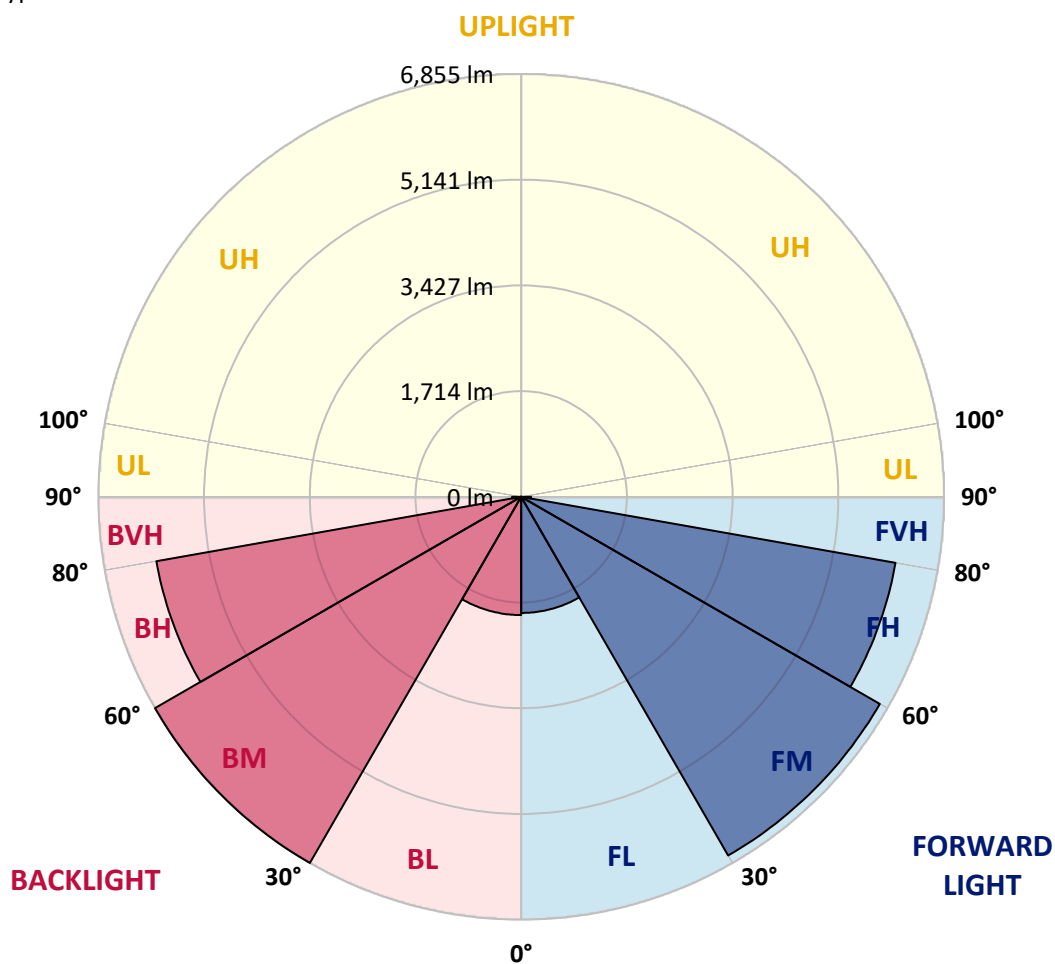
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1882.9	4.1			
FM	(30°-60°)	6713.8	14.7			
FH	(60°-80°)	6161.6	13.5			G3/7500
FVH	(80°-90°)	159.4	0.4			G2/225
BL	(0°-30°)	1917.2	4.2	B3/2500		
BM	(30°-60°)	6854.8	15.1	B4/8500		
BH	(60°-80°)	6005.2	13.2	B5		G3/7500
BVH	(80°-90°)	147.1	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		15693.1	34.5			

BUG Rating: B5-U0-G3

Type V Short



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0
1°	4061.3	4060.1	4060.4	4061.1	4061.7	4063.2	4059.9	4059.9	4060.6	4061.7	4062.2
2°	4061.0	4060.1	4060.1	4061.0	4062.3	4063.4	4060.6	4061.3	4062.7	4064.8	4065.9
3°	4063.4	4061.4	4062.0	4062.3	4064.9	4067.1	4064.3	4065.7	4067.8	4070.3	4071.8
4°	4066.2	4064.7	4065.5	4067.5	4070.1	4072.5	4070.1	4071.8	4075.1	4077.7	4079.3
5°	4070.1	4069.0	4070.8	4073.3	4077.8	4081.8	4079.6	4081.6	4083.9	4087.0	4090.1
6°	4076.7	4074.6	4077.8	4082.0	4088.2	4092.7	4091.1	4092.8	4094.7	4097.6	4101.9
7°	4084.4	4083.5	4086.3	4093.2	4099.8	4103.6	4102.9	4105.4	4107.1	4110.3	4115.6
8°	4093.6	4092.7	4097.9	4105.4	4112.1	4118.1	4117.1	4119.8	4122.9	4126.1	4132.6
9°	4105.2	4103.5	4110.5	4118.3	4127.8	4134.0	4133.3	4135.9	4140.7	4144.9	4151.2
10°	4119.2	4118.2	4125.4	4134.5	4146.0	4152.5	4151.5	4153.5	4159.7	4167.1	4172.8
11°	4136.8	4134.2	4143.0	4153.5	4165.1	4171.2	4171.2	4173.1	4180.2	4190.1	4196.6
12°	4155.9	4153.1	4161.6	4173.8	4185.7	4193.1	4194.0	4196.3	4204.8	4216.4	4223.4
13°	4177.3	4173.6	4182.0	4196.4	4208.5	4217.0	4219.2	4222.9	4231.8	4244.2	4252.5
14°	4201.4	4197.7	4204.1	4220.3	4233.7	4246.1	4248.6	4251.4	4261.7	4274.0	4284.8
15°	4228.8	4223.3	4229.5	4245.8	4261.9	4275.6	4279.9	4284.0	4294.2	4306.6	4318.0
16°	4257.2	4251.0	4258.2	4273.5	4292.5	4307.7	4314.2	4319.9	4328.2	4340.8	4352.8
17°	4287.2	4279.0	4288.5	4302.9	4324.4	4343.4	4351.4	4355.6	4365.3	4377.5	4389.3
18°	4317.6	4309.9	4318.5	4336.7	4358.0	4381.0	4390.5	4395.3	4403.8	4416.7	4428.3
19°	4349.3	4341.5	4352.3	4373.6	4393.5	4419.4	4432.2	4435.8	4443.9	4457.0	4467.8
20°	4382.7	4375.2	4387.0	4410.2	4431.4	4458.9	4474.8	4478.7	4485.3	4498.3	4507.8
21°	4416.3	4410.0	4423.1	4448.8	4470.3	4501.8	4518.0	4524.5	4528.3	4542.6	4549.1
22°	4450.5	4445.2	4461.0	4487.8	4511.2	4545.3	4562.0	4571.6	4573.9	4586.5	4589.7
23°	4486.8	4483.1	4499.9	4529.2	4555.3	4590.1	4605.3	4617.4	4620.8	4631.2	4632.7
24°	4524.3	4522.8	4539.3	4570.7	4598.9	4632.1	4646.3	4662.7	4668.1	4675.9	4674.5
25°	4564.8	4563.9	4580.8	4614.0	4643.1	4674.7	4686.7	4707.7	4714.8	4721.5	4718.4
26°	4605.7	4607.8	4622.6	4657.6	4686.2	4719.2	4728.7	4752.9	4762.7	4767.3	4762.8
27°	4650.3	4652.8	4666.7	4701.7	4729.5	4764.5	4772.6	4800.2	4810.2	4812.4	4807.0
28°	4696.8	4699.8	4711.4	4745.8	4773.1	4810.9	4819.6	4845.9	4857.4	4859.1	4852.3
29°	4745.0	4746.6	4757.8	4791.4	4817.3	4857.4	4868.6	4894.3	4907.0	4904.5	4898.3
30°	4797.2	4795.4	4804.3	4837.0	4863.6	4905.6	4921.6	4945.0	4956.1	4951.4	4945.9
31°	4851.2	4844.1	4852.6	4885.8	4909.4	4955.2	4974.7	4996.4	5008.3	5001.0	4994.4
32°	4905.8	4892.8	4899.6	4933.8	4957.1	5002.0	5026.3	5046.3	5058.9	5051.6	5046.0
33°	4964.5	4941.3	4947.2	4980.3	5005.8	5049.1	5078.5	5095.4	5108.6	5103.0	5094.4
34°	5025.9	4990.9	4995.4	5028.2	5053.0	5096.4	5131.8	5144.1	5155.7	5150.7	5145.4
35°	5088.0	5041.5	5046.6	5079.0	5099.2	5144.5	5185.9	5193.2	5202.0	5201.1	5198.3
36°	5150.1	5090.8	5095.7	5127.1	5145.9	5191.3	5240.9	5241.3	5250.3	5253.0	5251.1
37°	5214.6	5137.4	5145.1	5173.5	5193.2	5234.4	5297.1	5289.2	5300.7	5305.2	5306.3
38°	5280.0	5182.5	5192.6	5223.1	5241.0	5278.6	5354.4	5335.5	5350.6	5358.9	5360.6
39°	5345.6	5228.7	5240.1	5271.6	5288.6	5325.8	5416.0	5383.6	5400.3	5413.0	5414.2
40°	5413.5	5277.8	5288.0	5321.1	5337.4	5375.3	5482.3	5435.3	5452.7	5470.2	5470.5
41°	5483.9	5331.1	5339.3	5372.8	5389.7	5428.9	5547.0	5489.2	5507.4	5526.6	5525.9
42°	5552.0	5391.2	5393.4	5428.1	5444.1	5485.2	5608.0	5547.6	5563.0	5586.0	5584.6
43°	5615.1	5456.0	5450.2	5486.9	5504.5	5542.4	5670.2	5606.0	5623.4	5647.6	5645.5
44°	5674.2	5524.1	5510.9	5548.3	5567.2	5604.3	5732.8	5665.5	5685.8	5712.3	5709.1

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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5732.4	5591.2	5574.4	5612.1	5630.1	5669.1	5795.7	5727.1	5748.6	5778.9	5775.2
46°	5787.2	5662.6	5642.2	5679.9	5697.8	5736.1	5854.5	5793.9	5815.5	5847.4	5844.2
47°	5838.7	5738.1	5715.3	5747.8	5766.3	5806.4	5909.5	5863.6	5883.8	5918.7	5914.3
48°	5889.9	5817.9	5790.0	5819.5	5834.9	5876.2	5963.9	5934.7	5954.2	5992.4	5988.7
49°	5943.8	5901.4	5867.0	5894.2	5908.3	5947.5	6015.6	6004.7	6023.7	6065.4	6065.2
50°	6000.7	5989.4	5947.3	5970.3	5986.3	6022.4	6065.2	6077.2	6096.8	6141.4	6144.5
51°	6060.8	6079.1	6031.9	6050.0	6061.2	6096.2	6112.7	6148.9	6169.8	6219.1	6225.7
52°	6120.6	6171.4	6118.9	6134.0	6142.7	6172.2	6156.1	6222.4	6245.4	6299.0	6309.2
53°	6188.8	6266.8	6208.2	6224.9	6223.1	6243.1	6197.9	6291.3	6321.6	6381.8	6395.8
54°	6261.3	6360.3	6303.1	6316.6	6305.2	6309.7	6241.5	6357.7	6401.7	6465.9	6483.2
55°	6334.9	6452.2	6401.5	6412.8	6387.3	6374.2	6284.3	6420.6	6478.5	6555.0	6572.0
56°	6408.5	6541.9	6501.9	6512.8	6471.3	6440.0	6327.9	6482.0	6555.0	6645.4	6659.8
57°	6480.8	6627.1	6604.1	6613.3	6554.3	6504.2	6370.9	6540.2	6633.6	6741.8	6746.4
58°	6548.3	6708.3	6704.4	6720.1	6638.2	6560.9	6413.4	6593.7	6709.7	6839.4	6827.0
59°	6619.2	6779.8	6808.6	6827.0	6720.8	6610.7	6450.4	6643.5	6784.4	6939.7	6900.4
60°	6686.1	6849.2	6911.5	6937.7	6802.1	6654.6	6481.3	6687.4	6857.8	7041.9	6969.8
61°	6743.1	6908.9	7020.3	7049.8	6879.4	6689.3	6505.3	6722.1	6933.1	7146.1	7043.9
62°	6791.6	6960.7	7127.1	7160.5	6958.7	6712.9	6521.7	6750.9	7007.8	7247.7	7121.2
63°	6841.4	7010.5	7233.9	7272.0	7037.3	6731.3	6533.3	6775.2	7079.9	7347.3	7193.3
64°	6903.6	7058.3	7337.5	7384.7	7108.8	6741.1	6538.1	6790.3	7150.7	7445.6	7260.8
65°	6971.8	7114.7	7443.0	7499.4	7180.2	6747.7	6538.6	6801.4	7219.5	7534.8	7323.7
66°	7013.1	7175.0	7542.6	7608.2	7246.4	6750.3	6520.5	6803.4	7281.1	7618.6	7387.3
67°	7020.3	7222.2	7627.8	7709.1	7298.8	6737.2	6484.5	6787.0	7333.6	7689.4	7441.7
68°	7015.7	7237.2	7707.8	7806.1	7349.9	6690.0	6395.9	6748.3	7376.8	7750.4	7483.0
69°	6939.0	7214.9	7781.8	7886.7	7377.5	6603.5	6202.3	6665.1	7404.3	7793.6	7490.9
70°	6667.7	7133.7	7829.0	7947.0	7373.5	6430.2	5895.0	6510.2	7401.7	7821.2	7473.2
71°	6127.9	6908.9	7829.0	7977.8	7340.8	6162.7	5438.9	6258.0	7353.9	7819.8	7429.9
72°	5422.4	6482.8	7761.5	7969.3	7264.1	5804.9	4953.0	5889.1	7257.5	7785.8	7320.5
73°	4740.2	5890.6	7627.8	7923.4	7136.3	5380.5	4518.0	5434.6	7097.6	7687.5	7140.9
74°	4081.6	5229.5	7409.6	7813.3	6935.1	4961.5	4155.6	4963.6	6878.7	7513.1	6872.8
75°	3106.4	4495.6	7072.7	7595.1	6694.6	4547.0	3734.2	4523.0	6587.1	7245.1	6443.9
76°	1810.4	3540.6	6562.9	7268.0	6382.6	4022.3	2994.6	4057.3	6228.6	6879.4	5860.2
77°	712.3	2251.3	5878.1	6733.2	5965.5	3222.9	2108.1	3326.8	5780.7	6333.5	5159.7
78°	519.7	1021.8	5025.3	5957.9	5351.9	2152.8	1221.5	2357.4	5207.9	5553.3	4300.3
79°	345.2	725.8	3873.5	4929.4	4496.3	1070.3	343.1	1387.9	4394.7	4498.6	3150.9
80°	170.8	453.6	2399.4	3652.5	3328.9	761.7	194.6	426.9	3284.2	3276.8	2236.6
81°	151.5	181.4	1136.2	2314.8	1945.5	470.3	171.7	213.0	2303.4	2303.8	1322.3
82°	134.0	156.2	818.2	1037.1	834.7	179.0	148.9	176.1	1322.6	1330.8	412.5
83°	116.9	133.8	505.0	760.8	602.0	145.3	126.1	151.8	349.5	358.6	223.1
84°	99.3	112.5	191.7	492.0	383.2	122.7	108.1	127.5	206.4	229.0	170.0
85°	81.0	91.6	144.7	223.2	164.4	100.7	89.7	105.4	161.9	190.9	117.5
86°	60.0	71.8	110.7	176.9	121.0	79.8	71.1	84.0	117.5	152.2	83.2
87°	40.8	53.3	83.8	131.8	92.8	61.0	51.8	65.0	89.0	113.4	58.3
88°	21.6	34.9	57.8	81.9	66.4	42.5	33.3	46.9	63.7	71.0	36.1
89°	8.9	16.4	31.0	43.1	36.3	23.9	23.4	32.6	43.8	48.8	25.5

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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445096
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0	4062.0
1°	4063.7	4065.3	4066.2	4066.9	4067.3	4068.0	4068.2	4064.2	4064.0	4063.6	4062.3
2°	4067.3	4070.7	4072.2	4074.0	4073.8	4074.9	4074.3	4071.3	4069.7	4067.8	4065.2
3°	4074.6	4078.0	4080.8	4082.1	4082.8	4083.1	4082.6	4079.4	4076.4	4073.6	4069.7
4°	4083.3	4087.1	4090.3	4092.2	4093.6	4094.1	4092.4	4087.5	4084.6	4081.4	4076.2
5°	4093.0	4097.5	4101.2	4104.4	4105.7	4105.5	4103.3	4097.9	4093.3	4089.6	4083.8
6°	4104.4	4110.1	4113.9	4117.3	4119.1	4118.9	4116.6	4110.4	4105.4	4099.3	4091.8
7°	4119.1	4124.7	4128.7	4132.9	4134.6	4134.3	4131.3	4125.4	4118.7	4111.8	4102.2
8°	4136.2	4141.3	4146.1	4151.4	4152.1	4151.9	4148.9	4141.5	4134.5	4127.2	4115.1
9°	4156.3	4160.9	4166.1	4171.3	4172.7	4170.8	4166.6	4159.3	4152.5	4144.7	4130.3
10°	4177.1	4182.0	4187.1	4193.8	4195.1	4192.4	4188.3	4181.5	4173.2	4163.0	4148.0
11°	4202.0	4207.8	4212.7	4218.5	4221.0	4218.7	4213.7	4207.5	4198.5	4185.0	4168.4
12°	4229.7	4235.6	4240.8	4246.1	4250.1	4248.4	4243.0	4237.9	4227.4	4211.7	4190.4
13°	4260.0	4266.2	4270.6	4276.7	4281.6	4280.6	4274.8	4269.5	4258.4	4241.4	4215.8
14°	4291.3	4297.7	4302.9	4309.7	4315.9	4316.2	4308.5	4302.3	4290.6	4272.2	4244.0
15°	4324.9	4332.4	4336.6	4345.9	4353.0	4352.2	4344.8	4338.6	4325.4	4304.4	4275.9
16°	4361.8	4368.6	4374.1	4384.0	4394.6	4392.4	4383.6	4379.0	4363.2	4339.5	4309.6
17°	4399.2	4406.4	4412.4	4424.4	4436.4	4432.6	4424.5	4420.3	4404.2	4377.8	4344.6
18°	4437.3	4443.9	4450.9	4465.6	4479.2	4475.0	4467.8	4463.8	4445.4	4416.8	4381.1
19°	4477.3	4482.8	4490.5	4507.9	4523.0	4518.2	4511.7	4507.9	4488.0	4458.8	4418.9
20°	4517.4	4521.2	4532.0	4550.2	4568.4	4563.8	4557.9	4553.5	4532.7	4500.5	4458.2
21°	4558.0	4561.0	4575.4	4595.3	4617.0	4610.8	4606.0	4600.9	4580.8	4543.3	4499.6
22°	4598.5	4601.5	4617.9	4639.2	4664.1	4659.3	4655.7	4646.1	4627.5	4586.6	4541.6
23°	4640.3	4642.6	4661.8	4686.3	4712.0	4707.2	4705.1	4691.1	4674.9	4633.6	4585.9
24°	4683.2	4686.2	4707.1	4731.6	4759.0	4758.0	4753.8	4735.0	4721.5	4681.0	4629.8
25°	4727.6	4731.6	4754.0	4779.4	4806.1	4808.6	4801.4	4780.3	4768.8	4726.8	4674.1
26°	4772.8	4779.4	4802.5	4828.6	4853.5	4860.1	4852.3	4826.3	4816.2	4772.0	4716.8
27°	4819.7	4828.0	4852.6	4876.4	4899.6	4910.9	4902.0	4873.2	4865.1	4818.4	4760.9
28°	4868.7	4880.4	4903.3	4924.2	4948.9	4963.4	4953.4	4924.6	4914.2	4864.9	4808.2
29°	4918.7	4934.4	4956.0	4971.9	4998.3	5015.2	5005.8	4980.2	4964.2	4912.1	4855.2
30°	4969.4	4989.3	5008.3	5020.9	5048.8	5066.3	5059.5	5036.3	5015.8	4958.6	4902.9
31°	5019.8	5046.9	5060.6	5071.8	5100.5	5115.9	5112.9	5092.7	5066.2	5007.0	4951.5
32°	5070.9	5105.8	5113.7	5122.4	5151.4	5166.3	5162.9	5143.7	5114.4	5054.5	5003.1
33°	5121.7	5166.7	5166.1	5172.7	5201.9	5214.0	5212.9	5195.2	5160.4	5103.5	5054.1
34°	5174.8	5226.4	5217.3	5224.7	5252.0	5260.3	5259.9	5246.9	5206.8	5150.9	5105.1
35°	5226.7	5289.1	5268.8	5276.8	5301.9	5306.2	5306.8	5299.4	5249.4	5198.7	5155.2
36°	5280.2	5352.5	5321.3	5328.7	5350.7	5353.2	5350.1	5352.1	5289.4	5244.6	5204.2
37°	5332.5	5415.0	5372.0	5381.9	5399.6	5401.7	5393.7	5409.9	5333.5	5292.0	5254.4
38°	5382.5	5478.4	5420.4	5434.0	5451.7	5450.4	5439.8	5471.5	5379.7	5338.6	5305.9
39°	5432.5	5544.7	5470.9	5485.4	5508.2	5501.5	5486.3	5535.7	5427.0	5390.1	5356.3
40°	5487.1	5612.9	5525.7	5540.3	5565.4	5553.3	5537.5	5602.2	5478.1	5443.4	5407.0
41°	5544.9	5679.0	5586.4	5596.6	5623.7	5608.7	5589.6	5672.7	5535.8	5499.6	5462.1
42°	5603.9	5744.6	5648.4	5656.0	5686.0	5665.9	5649.2	5743.4	5598.2	5556.0	5522.3
43°	5663.4	5809.0	5712.4	5718.7	5749.7	5724.6	5717.1	5811.3	5666.8	5616.4	5584.1
44°	5728.9	5871.2	5778.9	5782.9	5815.1	5786.7	5786.1	5872.1	5735.8	5678.4	5649.2

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5796.7	5932.8	5848.1	5849.5	5883.0	5853.0	5857.2	5927.8	5804.8	5747.0	5717.4
46°	5871.2	5995.7	5922.0	5919.7	5948.7	5923.2	5924.6	5984.0	5873.9	5819.3	5788.5
47°	5948.6	6057.3	6001.9	5992.7	6019.0	5997.3	5997.2	6038.4	5945.5	5894.8	5861.2
48°	6032.5	6112.4	6082.1	6066.2	6089.0	6073.9	6072.4	6087.5	6019.2	5969.2	5936.0
49°	6116.5	6168.7	6165.3	6140.7	6163.2	6151.0	6148.6	6132.3	6095.2	6043.5	6013.1
50°	6199.8	6226.8	6248.9	6220.6	6240.3	6229.6	6225.9	6176.6	6171.5	6118.0	6093.9
51°	6283.6	6287.7	6332.3	6299.9	6319.0	6304.2	6299.7	6220.9	6247.7	6195.3	6178.6
52°	6368.5	6346.5	6416.9	6385.8	6403.1	6380.9	6372.7	6266.1	6316.8	6274.1	6265.1
53°	6454.1	6402.8	6501.5	6471.0	6488.2	6458.1	6439.9	6309.6	6383.8	6352.5	6355.5
54°	6536.0	6457.7	6580.5	6559.6	6576.6	6537.4	6502.5	6353.9	6449.2	6432.6	6450.2
55°	6611.3	6512.8	6652.6	6648.7	6667.7	6613.3	6558.9	6395.1	6508.8	6506.8	6547.4
56°	6673.6	6564.2	6714.9	6737.2	6761.4	6689.3	6610.0	6434.5	6562.2	6585.1	6648.0
57°	6726.0	6614.6	6771.9	6828.3	6861.0	6762.7	6658.5	6471.4	6607.4	6663.8	6750.3
58°	6773.2	6662.5	6821.7	6908.2	6959.3	6834.8	6700.5	6505.9	6648.0	6735.9	6851.9
59°	6817.1	6707.7	6866.9	6980.3	7059.0	6905.6	6737.2	6530.3	6683.4	6808.6	6954.1
60°	6857.1	6747.7	6904.3	7054.4	7163.2	6971.8	6765.4	6547.9	6711.6	6886.6	7060.3
61°	6888.6	6783.7	6933.1	7133.7	7262.1	7036.7	6787.0	6566.8	6731.9	6961.3	7169.1
62°	6911.5	6820.4	6958.0	7210.4	7359.8	7104.8	6800.1	6579.9	6749.6	7032.7	7278.5
63°	6937.7	6854.5	6984.3	7278.5	7451.5	7173.7	6809.9	6581.9	6762.7	7104.8	7388.0
64°	6962.0	6888.6	7014.4	7336.8	7542.0	7236.6	6813.2	6575.3	6768.6	7172.3	7494.1
65°	6984.3	6895.1	7034.1	7390.6	7623.9	7296.9	6806.0	6550.3	6761.4	7233.3	7591.8
66°	6992.8	6849.2	7027.5	7447.6	7697.3	7350.6	6782.4	6493.2	6739.8	7287.0	7683.5
67°	6971.8	6793.5	6996.7	7490.9	7759.6	7382.7	6726.7	6396.9	6681.5	7332.3	7771.3
68°	6933.1	6701.1	6952.8	7521.7	7801.5	7386.0	6646.1	6215.9	6585.8	7358.5	7852.0
69°	6847.9	6485.0	6854.5	7517.7	7825.1	7361.1	6511.9	5887.0	6422.3	7348.0	7910.9
70°	6677.5	6115.0	6658.5	7480.4	7825.7	7306.7	6286.1	5415.0	6144.5	7298.2	7949.0
71°	6381.6	5561.8	6328.0	7399.1	7794.3	7209.7	5934.1	4902.8	5750.0	7209.7	7956.8
72°	5906.4	4881.2	5815.5	7256.2	7713.0	7077.3	5479.5	4492.2	5290.2	7077.3	7924.0
73°	5263.1	4166.7	5183.2	7051.8	7547.2	6878.7	5021.4	4147.9	4860.3	6857.1	7827.1
74°	4535.7	3449.6	4470.3	6727.3	7285.1	6616.6	4597.7	3710.0	4436.3	6577.9	7642.2
75°	3765.2	2550.8	3661.9	6228.2	6957.4	6287.7	4110.7	2913.6	3927.4	6235.3	7358.5
76°	2892.3	1613.4	2766.6	5597.8	6506.4	5863.6	3385.7	1844.0	3147.7	5804.5	6937.7
77°	2058.2	677.3	1973.6	4840.9	5842.5	5285.4	2388.0	834.1	2122.0	5246.8	6286.4
78°	1224.1	280.7	1180.6	3894.1	4920.2	4496.0	1390.2	608.5	1053.2	4490.4	5308.9
79°	404.1	179.7	389.4	2708.7	3806.0	3455.6	397.0	389.8	745.3	3428.4	4088.2
80°	211.2	153.3	210.8	1735.3	2704.6	2437.5	213.4	171.1	463.5	2100.1	2769.7
81°	176.8	126.9	175.6	762.2	1603.2	1419.4	180.7	148.0	181.8	934.9	1433.2
82°	142.3	108.0	140.4	312.5	525.6	417.9	157.9	129.5	150.5	667.8	493.8
83°	108.0	90.6	105.6	243.7	265.3	229.7	135.0	111.1	128.9	420.3	362.3
84°	87.5	75.0	85.2	174.9	215.4	187.4	112.2	92.4	107.0	172.8	232.3
85°	67.3	57.4	64.6	106.8	175.2	145.1	91.2	72.9	85.7	129.0	194.3
86°	48.5	38.8	45.9	76.5	134.9	102.8	71.4	54.6	66.2	99.3	153.4
87°	34.3	26.9	32.5	51.2	94.9	76.1	53.1	36.3	47.5	73.5	105.2
88°	20.2	15.0	19.1	35.6	64.8	52.1	36.6	18.0	28.8	59.3	53.2
89°	6.1	3.3	5.9	20.1	34.7	36.1	20.2	5.7	10.1	45.1	40.5

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445096
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4062.0	4062.0	4062.0
1°	4061.4	4060.1	4061.3
2°	4063.0	4061.0	4061.0
3°	4065.8	4063.6	4063.4
4°	4070.8	4067.8	4066.2
5°	4077.5	4072.6	4070.1
6°	4085.1	4079.1	4076.7
7°	4094.6	4087.6	4084.4
8°	4105.2	4097.0	4093.6
9°	4118.2	4109.2	4105.2
10°	4133.1	4124.0	4119.2
11°	4151.9	4140.5	4136.8
12°	4172.6	4160.6	4155.9
13°	4194.4	4181.5	4177.3
14°	4218.5	4205.5	4201.4
15°	4246.4	4232.9	4228.8
16°	4277.6	4262.4	4257.2
17°	4310.6	4293.3	4287.2
18°	4344.8	4324.8	4317.6
19°	4381.5	4358.3	4349.3
20°	4419.2	4392.9	4382.7
21°	4458.5	4429.0	4416.3
22°	4498.3	4466.3	4450.5
23°	4539.2	4506.7	4486.8
24°	4580.7	4548.4	4524.3
25°	4623.4	4592.6	4564.8
26°	4666.9	4637.7	4605.7
27°	4711.4	4683.5	4650.3
28°	4757.4	4729.9	4696.8
29°	4803.4	4777.1	4745.0
30°	4850.3	4825.5	4797.2
31°	4898.2	4874.9	4851.2
32°	4947.2	4921.8	4905.8
33°	4997.4	4971.7	4964.5
34°	5047.5	5022.6	5025.9
35°	5099.3	5073.5	5088.0
36°	5151.6	5122.2	5150.1
37°	5201.0	5169.5	5214.6
38°	5252.6	5215.3	5280.0
39°	5303.8	5261.7	5345.6
40°	5354.8	5311.6	5413.5
41°	5407.3	5368.2	5483.9
42°	5463.7	5429.0	5552.0
43°	5523.3	5493.7	5615.1
44°	5588.6	5561.9	5674.2

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5656.8	5632.4	5732.4
46°	5731.5	5704.9	5787.2
47°	5807.8	5783.9	5838.7
48°	5884.2	5864.5	5889.9
49°	5965.2	5949.9	5943.8
50°	6046.2	6039.1	6000.7
51°	6133.3	6130.2	6060.8
52°	6222.8	6225.7	6120.6
53°	6313.0	6317.7	6188.8
54°	6410.0	6412.8	6261.3
55°	6506.9	6505.0	6334.9
56°	6606.1	6595.6	6408.5
57°	6706.4	6682.8	6480.8
58°	6809.3	6760.8	6548.3
59°	6914.1	6830.9	6619.2
60°	7022.3	6898.4	6686.1
61°	7127.8	6966.6	6743.1
62°	7233.3	7032.7	6791.6
63°	7340.1	7085.8	6841.4
64°	7444.3	7126.5	6903.6
65°	7549.2	7176.3	6971.8
66°	7650.1	7244.4	7013.1
67°	7739.2	7289.7	7020.3
68°	7802.2	7294.9	7015.7
69°	7865.1	7258.2	6939.0
70°	7901.8	7169.7	6667.7
71°	7880.8	6951.5	6127.9
72°	7774.6	6518.1	5422.4
73°	7625.2	5907.5	4740.2
74°	7394.5	5225.5	4081.6
75°	6964.6	4462.8	3106.4
76°	6375.7	3496.0	1810.4
77°	5666.2	2253.6	712.3
78°	4757.6	1060.1	519.7
79°	3477.8	751.6	345.2
80°	1926.6	470.8	170.8
81°	856.2	190.1	151.5
82°	616.8	156.4	134.0
83°	395.4	133.8	116.9
84°	174.0	112.0	99.3
85°	132.8	89.8	81.0
86°	103.2	69.2	60.0
87°	75.9	50.5	40.8
88°	61.0	31.9	21.6
89°	46.4	13.3	8.9

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445096

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)