

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: P1445070

Luminaire Tested: XAS300-SFPM (4000K-180W-T4)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445070
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 (4000K-180W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 30659.6 lumens
Efficiency: 65.8%
Efficacy: 172.8 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

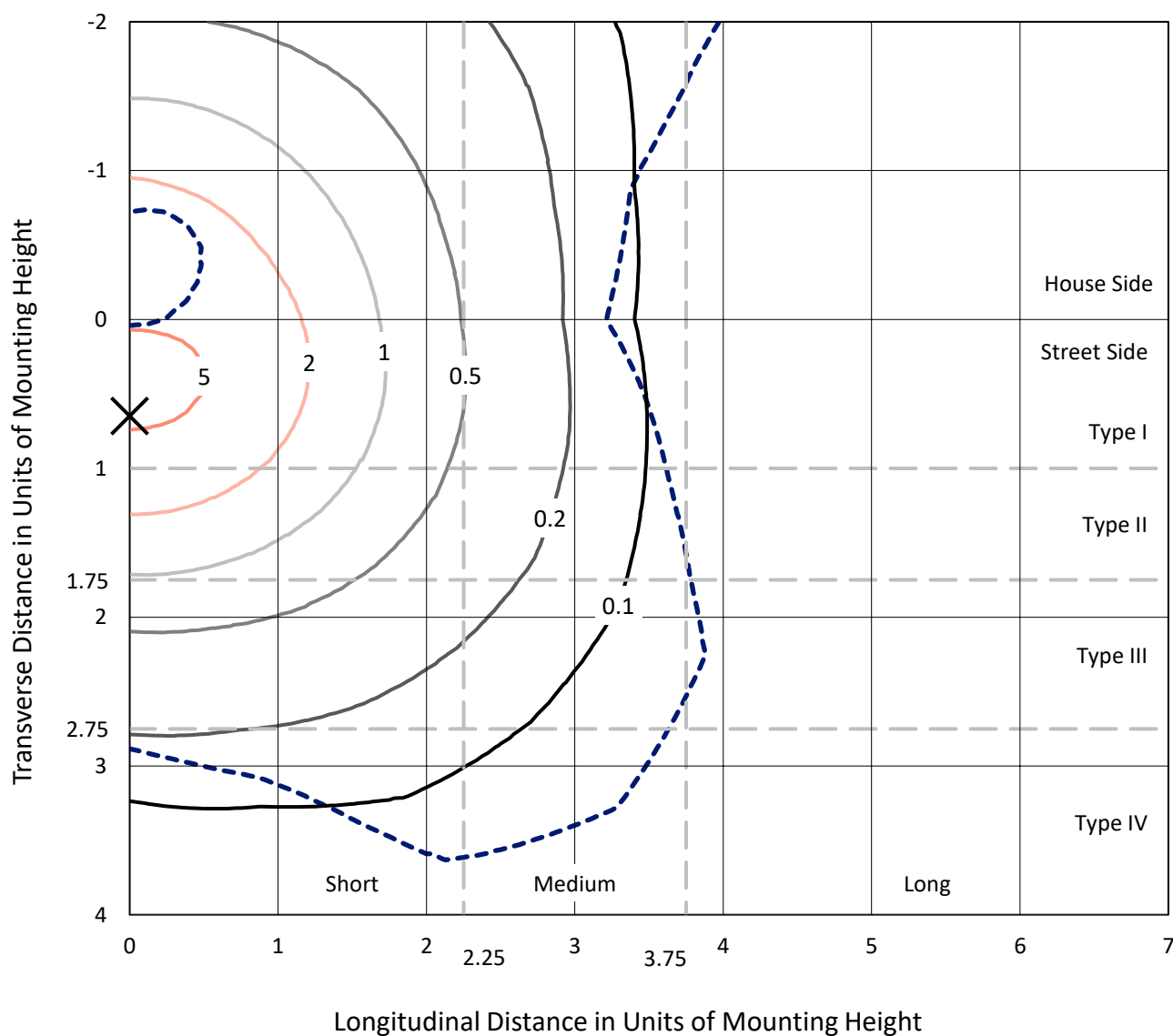
Input Watts (W): 177.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

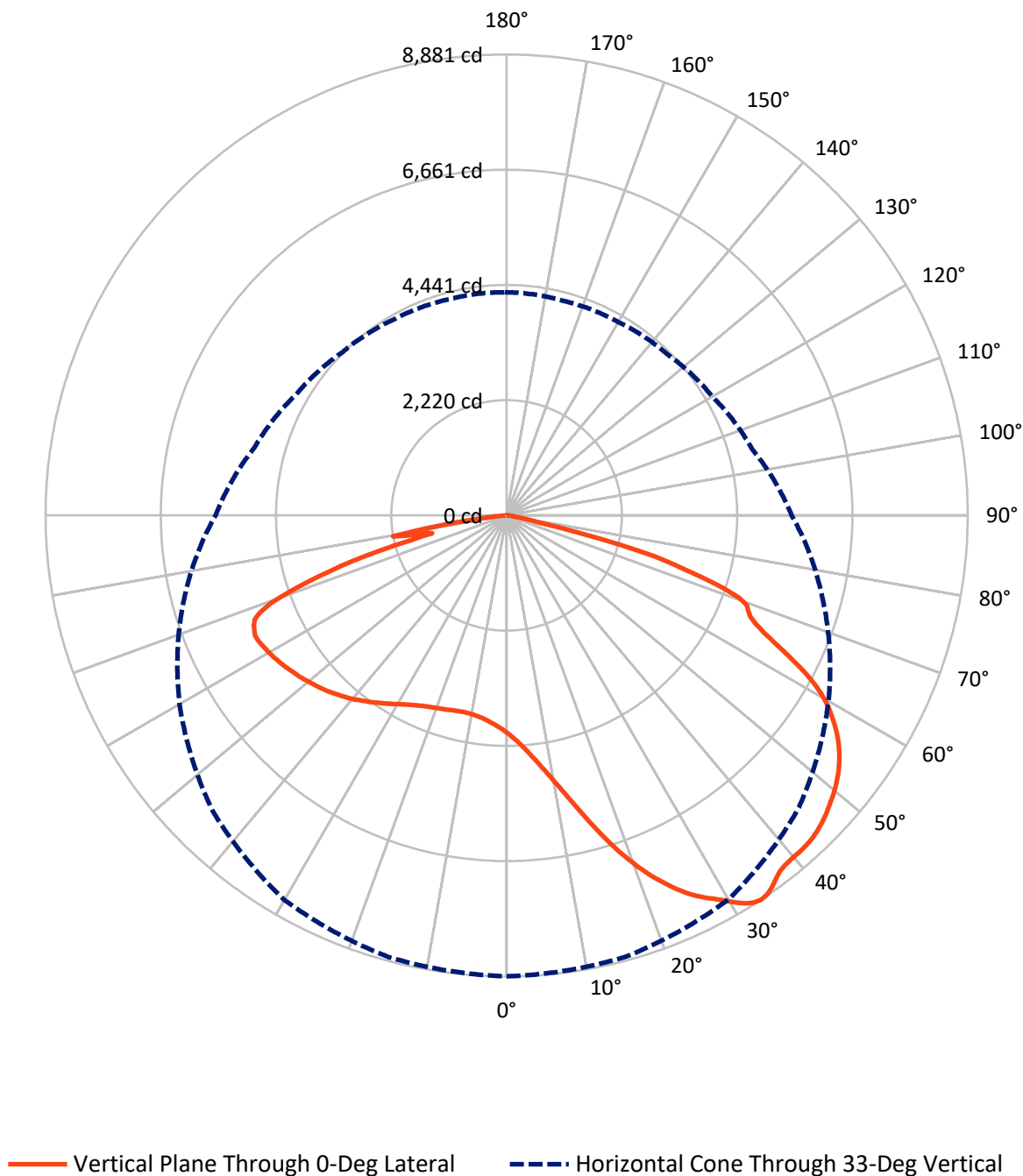


Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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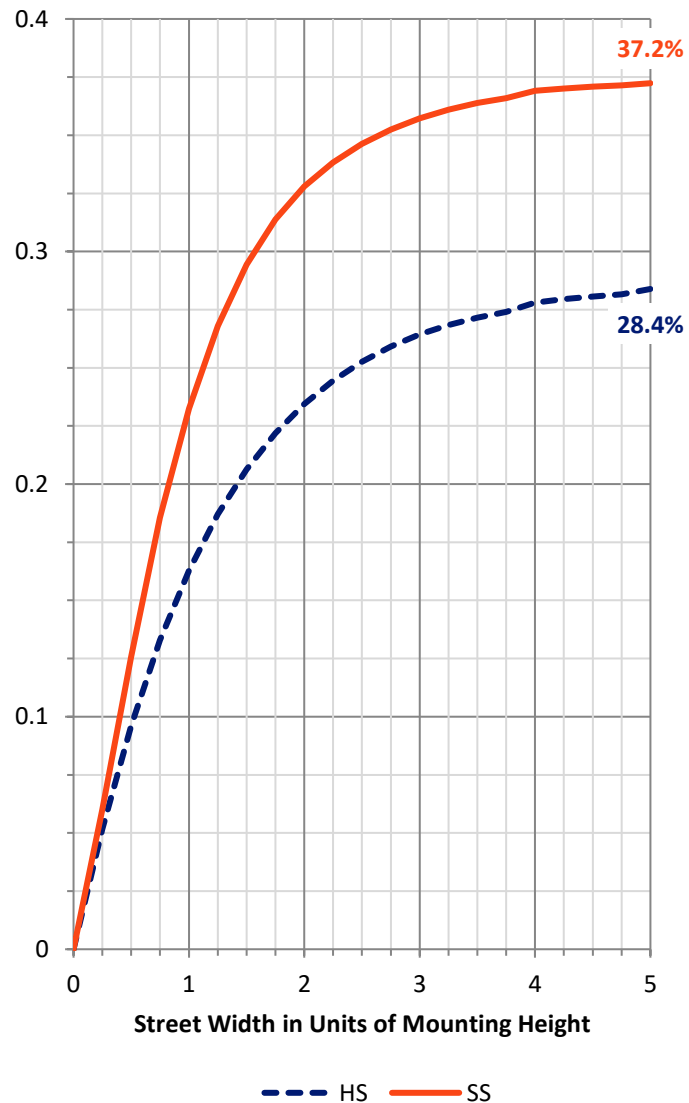
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13342.1	0.0	13342.1
	% Lamp	28.7	0.0	28.7
Street Side	Lumens	17317.5	0.0	17317.5
	% Lamp	37.2	0.0	37.2
Total	Lumens	30659.6	0.0	30659.6
	% Lamp	65.8	0.0	65.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	414.2	1.4	0.9
10°-20°	1370.2	4.5	2.9
20°-30°	2587.3	8.4	5.6
30°-40°	3899.1	12.7	8.4
40°-50°	5040.0	16.4	10.8
50°-60°	6036.4	19.7	13.0
60°-70°	6412.3	20.9	13.8
70°-80°	4394.0	14.3	9.4
80°-90°	506.1	1.7	1.1
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°	30659.6	100.0	65.8
0°-180°	30659.6	100.0	65.8

Coefficient of Utilization



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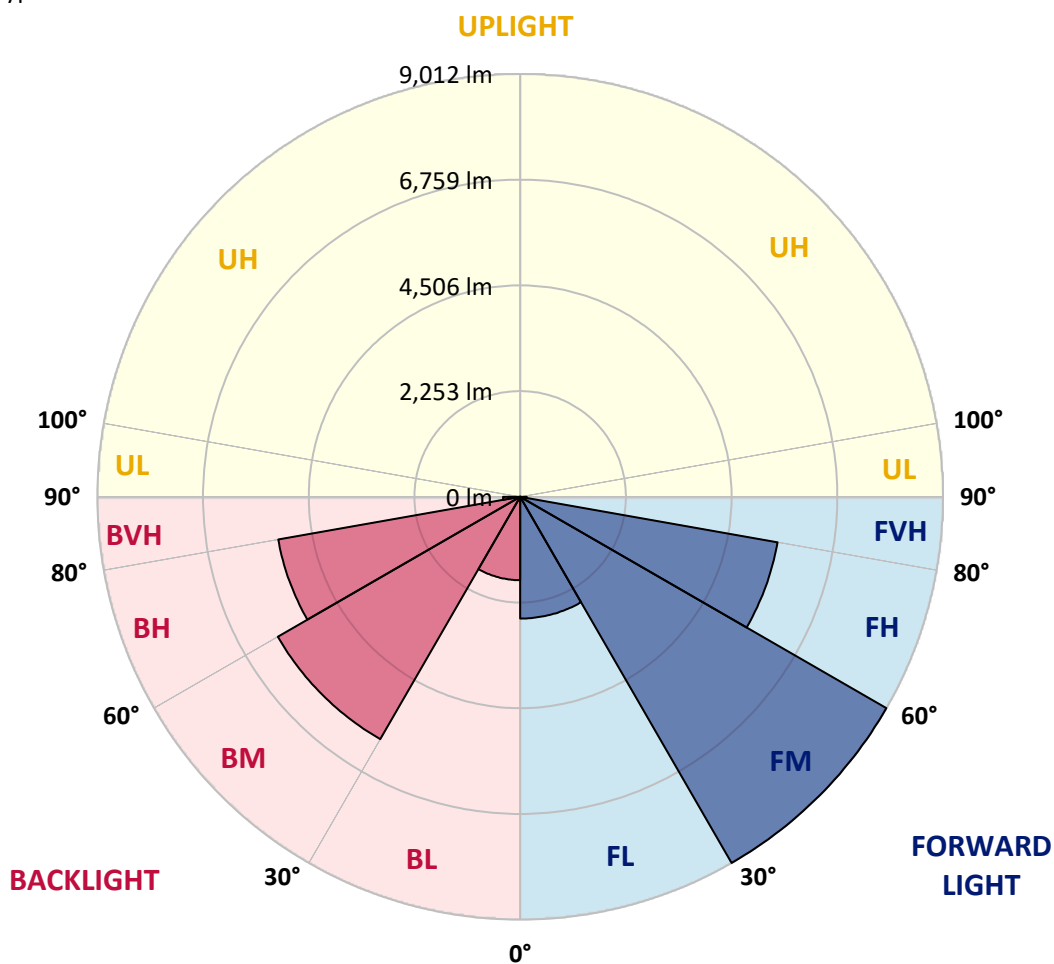
CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2594.7	5.6			
FM	(30°-60°)	9011.6	19.4			
FH	(60°-80°)	5570.9	12.0			G3/7500
FVH	(80°-90°)	140.3	0.3			G2/225
BL	(0°-30°)	1776.9	3.8	B3/2500		
BM	(30°-60°)	5964.0	12.8	B4/8500		
BH	(60°-80°)	5235.5	11.2	B5		G5
BVH	(80°-90°)	365.8	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		15901.4	34.2			

BUG Rating: B5-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3
1°	4271.4	4270.0	4265.6	4259.2	4247.5	4232.8	4203.4	4188.1	4175.0	4164.0	4156.8
2°	4342.2	4337.7	4326.0	4307.4	4280.5	4250.6	4205.3	4175.5	4148.5	4127.4	4113.1
3°	4422.4	4414.4	4393.9	4359.9	4318.2	4271.6	4210.9	4166.0	4126.7	4096.8	4076.1
4°	4512.3	4500.1	4469.2	4421.3	4361.3	4297.1	4219.0	4159.6	4109.5	4070.8	4044.6
5°	4611.3	4594.6	4550.9	4487.9	4411.0	4327.4	4231.5	4157.8	4095.8	4050.0	4018.3
6°	4721.1	4700.1	4646.3	4562.2	4464.5	4359.4	4246.2	4158.3	4085.0	4031.9	3993.6
7°	4839.6	4814.8	4746.3	4644.0	4521.7	4394.2	4261.8	4160.0	4077.7	4015.9	3972.0
8°	4965.8	4936.8	4855.2	4732.3	4583.4	4432.4	4280.6	4165.0	4072.9	4002.4	3954.4
9°	5105.5	5073.0	4974.8	4827.1	4651.1	4474.3	4302.1	4171.2	4068.7	3991.9	3940.0
10°	5256.5	5213.8	5099.9	4929.2	4724.1	4519.1	4326.8	4179.2	4065.4	3985.6	3929.8
11°	5420.0	5371.6	5237.6	5037.1	4801.1	4567.7	4352.7	4189.6	4064.4	3980.7	3923.3
12°	5595.8	5536.6	5381.9	5153.6	4883.5	4620.3	4381.5	4203.6	4066.9	3978.8	3920.3
13°	5785.4	5716.0	5538.6	5275.9	4970.1	4675.8	4415.5	4219.6	4072.5	3979.0	3921.0
14°	5985.5	5907.9	5701.1	5406.7	5064.6	4736.5	4453.5	4238.3	4079.8	3982.2	3925.0
15°	6193.6	6105.5	5870.4	5544.0	5162.2	4799.4	4492.7	4259.3	4089.3	3987.8	3931.1
16°	6407.8	6305.6	6045.7	5685.0	5266.3	4866.9	4535.1	4284.7	4101.5	3995.3	3939.5
17°	6619.1	6508.3	6224.7	5827.1	5373.6	4938.9	4581.4	4311.4	4117.4	4006.1	3950.9
18°	6827.8	6709.3	6403.0	5975.4	5483.5	5014.6	4630.5	4341.1	4134.7	4020.0	3964.4
19°	7031.3	6906.8	6581.9	6120.7	5594.8	5091.8	4679.6	4372.7	4155.2	4034.5	3979.1
20°	7229.5	7095.2	6753.4	6265.7	5708.7	5169.7	4730.9	4406.7	4177.2	4052.9	3996.4
21°	7415.2	7278.9	6923.3	6410.7	5824.5	5252.1	4784.5	4442.3	4201.5	4072.2	4013.0
22°	7591.0	7452.7	7082.6	6552.3	5939.3	5337.4	4838.6	4478.1	4227.9	4093.7	4032.2
23°	7753.6	7621.3	7240.0	6692.8	6057.1	5423.6	4892.6	4513.8	4255.3	4116.6	4052.1
24°	7911.0	7779.3	7390.8	6827.2	6169.1	5509.0	4944.9	4550.0	4283.8	4139.5	4073.4
25°	8061.1	7933.4	7539.6	6960.2	6282.0	5592.2	4998.1	4585.3	4313.1	4164.1	4095.2
26°	8188.2	8070.4	7683.2	7090.5	6391.4	5677.9	5053.1	4621.9	4343.7	4189.1	4117.2
27°	8304.8	8194.8	7822.8	7215.7	6500.4	5765.5	5108.2	4657.7	4374.4	4214.2	4140.5
28°	8409.5	8304.8	7951.2	7340.8	6608.5	5852.9	5165.8	4694.0	4405.6	4241.0	4163.8
29°	8521.4	8413.4	8073.0	7463.2	6712.6	5942.7	5226.4	4733.1	4438.4	4266.8	4190.0
30°	8654.4	8540.5	8192.2	7586.4	6816.6	6036.0	5290.0	4774.6	4471.8	4294.7	4216.4
31°	8765.7	8659.7	8323.2	7712.2	6925.3	6127.6	5354.9	4816.5	4506.1	4323.5	4244.8
32°	8848.7	8753.2	8444.4	7837.9	7037.2	6217.5	5423.0	4858.6	4541.1	4353.9	4273.6
33°	8881.0	8807.9	8545.1	7959.7	7158.4	6307.1	5489.6	4901.0	4576.1	4384.6	4302.1
34°	8862.5	8804.6	8613.0	8069.7	7276.2	6407.6	5559.1	4944.5	4608.3	4414.3	4330.4
35°	8799.3	8754.5	8625.5	8156.0	7379.0	6514.0	5631.2	4989.3	4641.3	4446.1	4361.9
36°	8715.7	8681.4	8594.5	8212.6	7471.1	6617.8	5706.1	5035.8	4674.8	4479.2	4395.6
37°	8645.2	8597.2	8541.8	8225.1	7540.3	6707.3	5780.2	5080.5	4711.2	4513.5	4434.1
38°	8612.3	8542.5	8487.2	8210.0	7593.6	6784.3	5857.7	5122.5	4747.9	4551.9	4474.1
39°	8600.4	8514.8	8447.7	8189.6	7618.6	6848.9	5936.8	5167.6	4785.6	4593.5	4516.0
40°	8596.5	8501.0	8428.6	8179.0	7626.5	6897.0	6008.5	5216.2	4825.1	4639.8	4559.7
41°	8593.2	8491.8	8422.7	8179.0	7638.4	6931.2	6069.4	5269.3	4866.6	4684.2	4602.8
42°	8583.3	8484.6	8422.0	8191.5	7661.4	6962.1	6119.3	5319.1	4911.7	4733.0	4647.4
43°	8564.2	8474.0	8421.3	8213.3	7689.8	6999.0	6160.0	5364.4	4959.8	4782.5	4689.8
44°	8533.9	8460.8	8418.7	8238.3	7724.0	7046.4	6200.1	5408.3	5010.8	4835.7	4731.9

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8493.8	8438.5	8412.8	8261.3	7762.9	7099.1	6243.7	5454.6	5061.6	4888.4	4772.7
46°	8444.4	8409.5	8402.9	8280.4	7806.3	7151.8	6291.0	5503.7	5115.0	4940.9	4812.7
47°	8391.0	8378.5	8391.0	8294.3	7850.4	7206.4	6336.4	5557.9	5167.6	4991.9	4854.3
48°	8334.4	8343.6	8375.2	8304.1	7893.2	7261.8	6383.1	5615.4	5220.8	5042.9	4895.2
49°	8275.8	8307.4	8352.9	8310.7	7936.0	7315.1	6427.1	5673.0	5276.4	5092.9	4940.1
50°	8212.6	8269.9	8325.9	8313.3	7975.5	7368.4	6468.5	5733.3	5331.8	5142.4	4985.4
51°	8140.8	8226.4	8293.6	8312.7	8011.8	7417.8	6506.1	5793.5	5386.5	5192.9	5034.9
52°	8060.5	8173.1	8256.7	8308.1	8048.6	7467.2	6540.3	5853.3	5441.2	5244.7	5087.3
53°	7971.6	8113.2	8217.2	8302.8	8079.6	7510.7	6570.8	5910.7	5498.5	5298.6	5142.8
54°	7871.5	8036.1	8174.4	8291.6	8105.9	7550.8	6602.0	5964.7	5558.5	5355.6	5201.6
55°	7760.2	7945.9	8127.0	8276.5	8129.0	7586.4	6630.3	6015.5	5618.5	5414.8	5262.1
56°	7633.8	7841.9	8068.4	8253.4	8147.4	7617.3	6657.3	6064.3	5679.7	5478.0	5321.8
57°	7490.9	7722.0	7997.9	8223.1	8159.3	7643.7	6681.0	6111.4	5743.0	5546.1	5381.3
58°	7332.2	7583.7	7911.7	8186.9	8163.9	7664.1	6698.7	6154.1	5809.0	5618.2	5438.5
59°	7163.0	7426.4	7816.2	8146.1	8159.9	7675.9	6711.9	6192.8	5871.9	5691.5	5491.4
60°	6960.2	7250.6	7705.6	8097.4	8146.1	7678.6	6718.5	6227.7	5935.2	5768.6	5541.8
61°	6708.6	7045.8	7582.4	8036.8	8120.4	7666.1	6715.9	6254.9	6000.8	5848.4	5598.2
62°	6409.3	6800.2	7444.1	7964.4	8090.1	7638.4	6704.0	6275.5	6067.7	5930.3	5655.1
63°	6073.3	6516.5	7286.1	7877.4	8047.3	7604.8	6688.9	6291.8	6134.0	6012.7	5711.8
64°	5740.8	6216.5	7109.6	7777.3	7988.7	7556.1	6664.5	6297.1	6197.3	6097.7	5765.3
65°	5452.1	5935.8	6918.7	7660.1	7920.2	7493.5	6626.3	6295.6	6258.3	6180.0	5817.2
66°	5223.0	5678.6	6713.2	7527.1	7836.6	7421.8	6567.7	6288.1	6309.9	6261.8	5870.4
67°	5076.3	5463.1	6512.2	7371.1	7726.0	7319.7	6481.3	6256.8	6357.1	6335.9	5918.2
68°	5001.2	5305.1	6319.9	7193.9	7594.9	7181.4	6343.2	6198.6	6397.0	6407.8	5961.6
69°	4935.9	5194.2	6142.1	6997.7	7430.3	7001.6	6125.3	6089.6	6423.4	6470.3	5984.8
70°	4751.3	5096.9	5976.9	6785.7	7230.1	6748.8	5788.4	5900.6	6421.3	6525.4	5998.3
71°	4384.8	4925.3	5832.2	6569.0	6995.1	6406.3	5304.3	5619.4	6377.9	6563.4	5999.0
72°	3896.0	4628.7	5690.6	6347.8	6721.8	5982.7	4775.1	5251.9	6282.2	6580.2	5959.6
73°	3406.6	4212.5	5528.9	6133.4	6404.7	5488.1	4283.3	4837.3	6115.7	6552.8	5885.1
74°	2953.7	3749.5	5329.2	5910.6	6036.7	4973.9	3835.0	4443.2	5897.7	6470.1	5760.5
75°	2295.3	3240.3	5070.3	5641.4	5630.4	4433.0	3311.2	4064.8	5633.5	6315.3	5530.3
76°	1403.8	2609.6	4706.2	5337.0	5184.9	3846.6	2532.0	3583.5	5363.7	6067.8	5216.7
77°	621.3	1723.8	4238.6	4908.1	4683.7	3084.3	1643.7	2844.3	5062.2	5662.2	4867.2
78°	466.9	834.3	3642.4	4332.4	4078.6	2118.9	761.1	2021.5	4683.5	5064.5	4427.3
79°	323.4	609.0	2877.8	3609.9	3357.5	1169.2	309.1	1198.7	4068.3	4270.1	3830.7
80°	179.8	396.9	1857.5	2730.5	2501.6	534.8	205.8	385.3	3110.3	3399.9	3218.3
81°	156.8	184.8	940.8	1791.4	1525.5	367.8	177.8	233.1	2202.9	2624.1	2707.5
82°	138.0	158.3	687.6	875.8	706.6	211.1	156.4	190.4	1295.6	1979.2	2383.4
83°	119.7	136.7	443.2	649.2	510.0	173.6	135.0	161.5	405.8	1579.8	2221.1
84°	101.3	115.4	198.8	429.6	332.1	145.3	113.7	132.7	267.0	1180.5	1682.8
85°	82.4	94.3	147.5	210.0	154.2	118.1	93.8	103.8	215.0	782.7	1144.5
86°	61.8	74.6	108.1	171.4	117.9	90.9	73.8	81.3	172.7	481.8	617.5
87°	44.8	56.1	80.7	131.3	89.2	66.4	53.2	61.1	130.4	335.1	431.1
88°	27.8	37.6	55.8	86.0	63.8	46.3	34.0	43.1	88.5	188.5	244.7
89°	10.9	19.2	30.9	45.8	35.8	26.4	23.8	30.0	60.4	42.1	62.2

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CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070
CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3	4210.3
1°	4153.6	4153.8	4159.3	4167.7	4180.5	4194.4	4209.3	4209.8	4224.5	4238.4	4251.7
2°	4105.9	4105.5	4113.0	4127.6	4148.2	4174.3	4202.6	4218.2	4248.3	4276.9	4302.7
3°	4065.5	4063.1	4072.9	4091.9	4119.6	4156.5	4198.0	4228.7	4275.2	4320.0	4360.4
4°	4030.4	4028.3	4038.9	4061.3	4096.3	4142.1	4196.1	4241.4	4304.4	4367.1	4425.4
5°	4000.2	3996.5	4009.7	4035.9	4076.3	4130.3	4195.9	4256.0	4335.5	4416.8	4495.2
6°	3971.4	3967.8	3982.3	4012.5	4058.9	4121.0	4199.1	4273.8	4370.1	4472.2	4570.7
7°	3946.8	3942.1	3957.9	3992.3	4042.8	4113.4	4202.8	4292.8	4408.1	4531.7	4651.7
8°	3925.9	3920.2	3937.9	3975.8	4030.0	4107.2	4208.0	4313.5	4448.6	4595.8	4738.5
9°	3909.8	3902.9	3922.0	3960.8	4021.0	4103.0	4215.5	4336.4	4492.8	4664.0	4832.3
10°	3896.8	3890.3	3909.0	3949.9	4013.5	4101.4	4227.0	4364.4	4540.2	4737.8	4934.3
11°	3889.1	3882.2	3900.9	3943.5	4008.7	4104.2	4241.4	4396.2	4593.6	4817.6	5043.3
12°	3886.7	3878.7	3897.0	3940.1	4008.3	4109.4	4258.9	4431.4	4651.4	4902.8	5159.5
13°	3887.6	3878.6	3897.8	3940.6	4011.0	4118.5	4279.4	4468.5	4713.0	4993.9	5287.4
14°	3890.3	3882.0	3901.0	3945.3	4015.6	4129.3	4302.1	4507.1	4776.5	5091.7	5419.6
15°	3896.9	3887.6	3906.3	3951.8	4023.9	4143.1	4326.8	4550.6	4844.4	5193.3	5560.1
16°	3905.7	3896.1	3914.8	3960.8	4036.6	4159.6	4354.1	4597.3	4915.3	5302.0	5705.7
17°	3915.8	3906.7	3926.4	3972.7	4050.9	4179.0	4383.7	4645.8	4991.0	5413.1	5854.0
18°	3928.8	3918.6	3940.2	3988.1	4066.6	4199.9	4416.4	4697.7	5067.8	5528.8	6008.2
19°	3943.3	3930.9	3955.4	4005.6	4084.9	4222.9	4450.2	4749.7	5147.6	5645.9	6157.1
20°	3957.5	3943.9	3971.4	4024.8	4105.1	4248.7	4487.4	4803.6	5230.7	5764.5	6308.8
21°	3971.2	3957.0	3989.0	4046.1	4128.1	4276.7	4525.6	4859.3	5317.3	5885.8	6455.5
22°	3986.1	3970.5	4006.8	4067.6	4151.9	4306.5	4565.0	4914.0	5403.0	6004.9	6599.3
23°	4002.4	3986.9	4025.3	4091.0	4176.8	4337.4	4604.5	4969.0	5491.6	6125.7	6739.6
24°	4021.5	4006.0	4045.5	4115.5	4201.3	4370.2	4645.3	5023.6	5579.2	6243.7	6874.6
25°	4042.1	4027.3	4068.3	4141.9	4226.4	4403.9	4684.6	5080.2	5668.2	6360.3	7005.6
26°	4064.9	4052.2	4093.6	4167.9	4252.2	4436.9	4725.2	5135.6	5758.0	6471.5	7134.0
27°	4090.8	4080.3	4121.0	4193.1	4278.6	4470.6	4765.6	5194.2	5847.9	6583.7	7265.0
28°	4118.8	4111.1	4151.4	4218.6	4306.9	4505.1	4807.6	5256.3	5940.1	6692.8	7398.7
29°	4149.4	4144.6	4183.0	4245.8	4335.8	4538.6	4851.5	5320.7	6035.5	6804.1	7527.1
30°	4181.0	4181.2	4214.8	4272.6	4365.9	4572.8	4897.0	5388.5	6132.1	6920.0	7654.2
31°	4212.4	4217.7	4246.2	4300.4	4396.9	4606.3	4943.0	5459.7	6233.4	7041.2	7790.5
32°	4244.6	4258.1	4278.5	4328.2	4427.7	4640.4	4987.4	5530.3	6336.5	7159.7	7909.0
33°	4277.6	4298.8	4311.1	4357.0	4458.9	4673.3	5032.4	5606.1	6443.7	7274.3	8023.0
34°	4311.3	4338.2	4343.4	4385.7	4489.2	4704.1	5078.5	5682.0	6544.3	7380.9	8115.1
35°	4345.2	4380.1	4376.9	4416.8	4520.3	4736.1	5125.6	5757.8	6638.8	7475.1	8179.7
36°	4379.8	4423.7	4411.0	4450.6	4551.8	4769.9	5171.5	5830.1	6729.0	7548.8	8207.3
37°	4415.5	4465.8	4444.0	4489.1	4586.9	4804.3	5213.9	5906.1	6806.1	7593.0	8210.0
38°	4448.4	4507.2	4475.6	4529.9	4627.6	4840.5	5256.7	5976.9	6864.7	7614.0	8194.2
39°	4480.4	4551.2	4507.1	4573.5	4671.1	4878.8	5295.7	6040.1	6906.8	7627.2	8177.7
40°	4514.5	4595.3	4540.0	4617.2	4716.8	4917.2	5337.7	6095.9	6936.5	7641.0	8173.7
41°	4549.2	4635.7	4575.8	4661.2	4765.4	4958.5	5378.0	6146.7	6964.1	7661.4	8186.3
42°	4584.7	4676.5	4613.5	4704.3	4816.9	5001.6	5422.4	6194.1	7001.6	7688.4	8211.9
43°	4621.1	4715.5	4652.2	4746.3	4869.2	5046.7	5472.9	6242.2	7052.4	7721.4	8241.6
44°	4658.1	4754.0	4692.7	4788.8	4919.9	5098.0	5526.3	6288.9	7108.3	7762.9	8269.2

REPORT NUMBER: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4697.0	4792.0	4733.2	4830.9	4970.7	5151.4	5579.7	6333.9	7161.7	7810.3	8292.9
46°	4737.6	4828.5	4776.6	4873.6	5020.3	5208.0	5631.4	6379.2	7213.7	7861.6	8312.7
47°	4782.0	4867.0	4821.9	4915.6	5070.1	5267.8	5687.3	6425.9	7265.7	7912.3	8326.5
48°	4830.8	4900.0	4870.3	4957.8	5118.4	5329.9	5749.5	6467.0	7321.7	7958.4	8335.7
49°	4882.3	4933.3	4920.8	5002.7	5167.6	5390.0	5811.5	6504.4	7377.6	8000.6	8343.0
50°	4932.9	4966.3	4974.0	5050.6	5217.7	5448.7	5873.5	6538.0	7429.0	8037.4	8346.3
51°	4985.2	5002.1	5026.4	5101.0	5268.3	5504.3	5934.4	6569.4	7477.7	8071.0	8346.3
52°	5038.6	5035.6	5081.2	5155.1	5322.0	5559.6	5993.1	6602.0	7521.2	8101.3	8343.6
53°	5092.3	5067.0	5135.0	5211.9	5376.9	5617.1	6046.7	6630.9	7560.0	8128.3	8339.0
54°	5145.5	5097.3	5186.7	5270.2	5435.2	5675.7	6095.5	6658.6	7593.0	8150.7	8329.2
55°	5193.6	5128.5	5232.8	5331.7	5497.9	5737.2	6140.2	6681.0	7620.0	8165.8	8314.7
56°	5235.2	5159.1	5273.7	5393.0	5564.3	5800.1	6181.0	6701.4	7639.7	8178.4	8291.6
57°	5270.0	5189.2	5311.9	5455.4	5634.8	5861.6	6218.1	6719.8	7648.9	8183.0	8261.3
58°	5303.8	5218.3	5346.2	5511.0	5710.0	5923.1	6251.9	6731.7	7654.2	8176.4	8216.6
59°	5335.7	5247.0	5378.0	5562.5	5787.2	5984.4	6280.3	6735.0	7650.9	8161.9	8167.8
60°	5365.6	5271.9	5405.6	5615.2	5866.7	6043.5	6301.5	6731.0	7634.5	8141.5	8109.2
61°	5390.2	5294.9	5428.7	5673.3	5947.5	6102.3	6315.2	6726.4	7607.5	8113.2	8048.0
62°	5410.0	5318.8	5450.1	5731.6	6030.1	6163.8	6321.6	6716.5	7571.9	8070.4	7975.5
63°	5433.1	5341.2	5473.2	5782.5	6110.0	6224.1	6324.0	6692.8	7524.5	8014.4	7887.3
64°	5454.1	5364.1	5497.9	5829.5	6193.4	6280.9	6318.0	6656.6	7463.9	7943.9	7776.7
65°	5473.4	5368.3	5514.7	5877.5	6274.4	6334.9	6301.7	6594.7	7380.3	7856.4	7644.3
66°	5484.1	5340.2	5513.6	5927.7	6349.1	6383.2	6265.0	6497.0	7267.7	7747.7	7490.2
67°	5478.6	5308.6	5499.9	5969.1	6420.9	6412.7	6198.3	6365.5	7118.2	7622.6	7322.3
68°	5462.7	5252.9	5479.7	6002.9	6482.1	6416.5	6093.7	6151.6	6926.6	7466.5	7138.6
69°	5414.3	5108.0	5422.3	6020.6	6533.0	6396.0	5929.7	5815.9	6682.3	7276.9	6942.4
70°	5307.3	4862.7	5296.8	6022.0	6570.0	6347.1	5664.5	5342.4	6347.2	7051.0	6725.7
71°	5116.7	4490.1	5083.0	5999.6	6588.1	6253.1	5290.6	4793.8	5905.3	6776.4	6497.5
72°	4807.8	4032.5	4749.4	5945.3	6571.8	6116.2	4880.3	4304.2	5408.4	6472.0	6267.5
73°	4379.6	3563.0	4338.2	5858.4	6489.0	5909.9	4498.0	3863.5	4875.6	6098.5	6027.2
74°	3913.1	3092.7	3869.9	5692.3	6330.2	5664.5	4132.3	3361.2	4352.6	5665.3	5768.0
75°	3428.3	2504.1	3367.5	5427.3	6102.8	5407.6	3627.8	2585.7	3763.6	5181.6	5457.7
76°	2909.6	1885.2	2842.7	5112.9	5757.1	5130.7	2879.1	1612.8	3019.1	4672.5	5090.3
77°	2324.3	1475.9	2293.6	4746.0	5232.3	4759.3	2037.6	754.2	2084.6	4087.7	4578.8
78°	1940.4	1547.7	1968.4	4273.9	4517.5	4171.2	1196.1	550.9	1132.6	3381.4	3865.2
79°	2006.9	1951.9	2116.8	3660.4	3727.3	3275.8	356.7	368.2	503.5	2565.1	3025.7
80°	2411.8	2227.9	2508.6	3027.1	2951.5	2314.3	232.5	185.5	357.8	1617.0	2095.3
81°	2552.1	1727.9	2502.0	2469.6	2292.9	1352.8	191.3	159.3	213.3	770.4	1159.3
82°	1930.1	1227.7	1877.7	2240.0	1824.9	410.1	164.1	138.8	176.6	562.5	836.4
83°	1308.2	729.6	1253.4	1765.4	1356.9	275.3	137.0	118.8	149.5	364.9	530.4
84°	689.0	389.3	632.4	1290.9	890.9	225.8	109.9	98.7	124.1	167.3	224.4
85°	364.2	234.8	352.2	816.5	518.6	183.8	87.6	77.6	96.7	125.1	189.0
86°	291.7	82.2	282.2	454.2	365.2	141.8	67.5	58.3	72.5	95.5	152.2
87°	219.2	55.4	212.1	363.6	211.7	99.9	48.8	39.0	52.0	69.9	108.1
88°	146.7	28.7	142.1	273.0	59.6	75.8	33.7	19.7	31.6	44.6	59.0
89°	74.2	2.6	72.0	182.4	31.5	51.7	18.5	6.6	11.2	33.9	44.5

REPORT NUMBER: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070
CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4210.3	4210.3	4210.3
1°	4260.6	4268.4	4271.4
2°	4323.8	4338.0	4342.2
3°	4394.6	4415.9	4422.4
4°	4472.6	4502.6	4512.3
5°	4557.4	4598.3	4611.3
6°	4650.9	4703.6	4721.1
7°	4751.9	4817.9	4839.6
8°	4859.6	4939.7	4965.8
9°	4976.9	5073.2	5105.5
10°	5103.5	5219.7	5256.5
11°	5239.9	5376.0	5420.0
12°	5385.3	5542.1	5595.8
13°	5543.4	5722.4	5785.4
14°	5705.7	5911.5	5985.5
15°	5876.0	6108.5	6193.6
16°	6056.1	6313.9	6407.8
17°	6242.3	6518.3	6619.1
18°	6426.6	6725.7	6827.8
19°	6605.2	6922.0	7031.3
20°	6779.7	7111.0	7229.5
21°	6949.0	7289.4	7415.2
22°	7110.3	7460.6	7591.0
23°	7264.4	7629.8	7753.6
24°	7415.2	7792.5	7911.0
25°	7565.3	7949.2	8061.1
26°	7714.1	8092.1	8188.2
27°	7858.3	8217.9	8304.8
28°	7987.4	8327.2	8409.5
29°	8109.9	8440.4	8521.4
30°	8233.7	8564.9	8654.4
31°	8356.8	8680.1	8765.7
32°	8472.7	8764.4	8848.7
33°	8556.3	8805.9	8881.0
34°	8600.4	8798.0	8862.5
35°	8601.1	8746.0	8799.3
36°	8572.1	8666.3	8715.7
37°	8518.1	8588.6	8645.2
38°	8469.4	8537.2	8612.3
39°	8445.0	8514.8	8600.4
40°	8436.5	8503.6	8596.5
41°	8434.5	8498.4	8593.2
42°	8434.5	8492.5	8583.3
43°	8435.2	8485.2	8564.2
44°	8435.2	8472.7	8533.9

REPORT NUMBER: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8433.2	8451.0	8493.8
46°	8429.2	8422.0	8444.4
47°	8420.7	8389.7	8391.0
48°	8408.2	8354.8	8334.4
49°	8386.4	8318.6	8275.8
50°	8360.1	8283.7	8212.6
51°	8326.5	8242.9	8140.8
52°	8287.7	8192.2	8060.5
53°	8246.8	8131.6	7971.6
54°	8204.7	8053.9	7871.5
55°	8156.6	7963.0	7760.2
56°	8098.7	7858.3	7633.8
57°	8026.9	7736.5	7490.9
58°	7938.7	7596.3	7332.2
59°	7841.2	7436.9	7163.0
60°	7729.3	7263.1	6960.2
61°	7598.9	7064.9	6708.6
62°	7456.7	6827.2	6409.3
63°	7306.5	6549.7	6073.3
64°	7139.9	6247.0	5740.8
65°	6953.6	5964.8	5452.1
66°	6752.7	5721.8	5223.0
67°	6553.9	5515.1	5076.3
68°	6356.3	5358.9	5001.2
69°	6184.7	5237.1	4935.9
70°	6034.3	5129.7	4751.3
71°	5878.6	4957.1	4384.8
72°	5700.9	4651.7	3896.0
73°	5532.4	4228.8	3406.6
74°	5317.9	3742.9	2953.7
75°	4999.1	3215.9	2295.3
76°	4577.2	2573.9	1403.8
77°	4089.6	1722.8	621.3
78°	3466.5	865.6	466.9
79°	2603.7	625.2	323.4
80°	1512.2	407.8	179.8
81°	723.1	190.3	156.8
82°	539.4	158.0	138.0
83°	360.2	137.9	119.7
84°	181.1	115.5	101.3
85°	132.2	92.7	82.4
86°	99.3	72.1	61.8
87°	72.9	53.3	44.8
88°	58.4	34.6	27.8
89°	44.5	15.8	10.9

REPORT NUMBER: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

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: P1445070

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)