

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: P1436830

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436830
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-180W-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 24203.8 lumens
Efficiency: 65.5%
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Medium - Full Cutoff
BUG Rating: B4 - U0 - G4

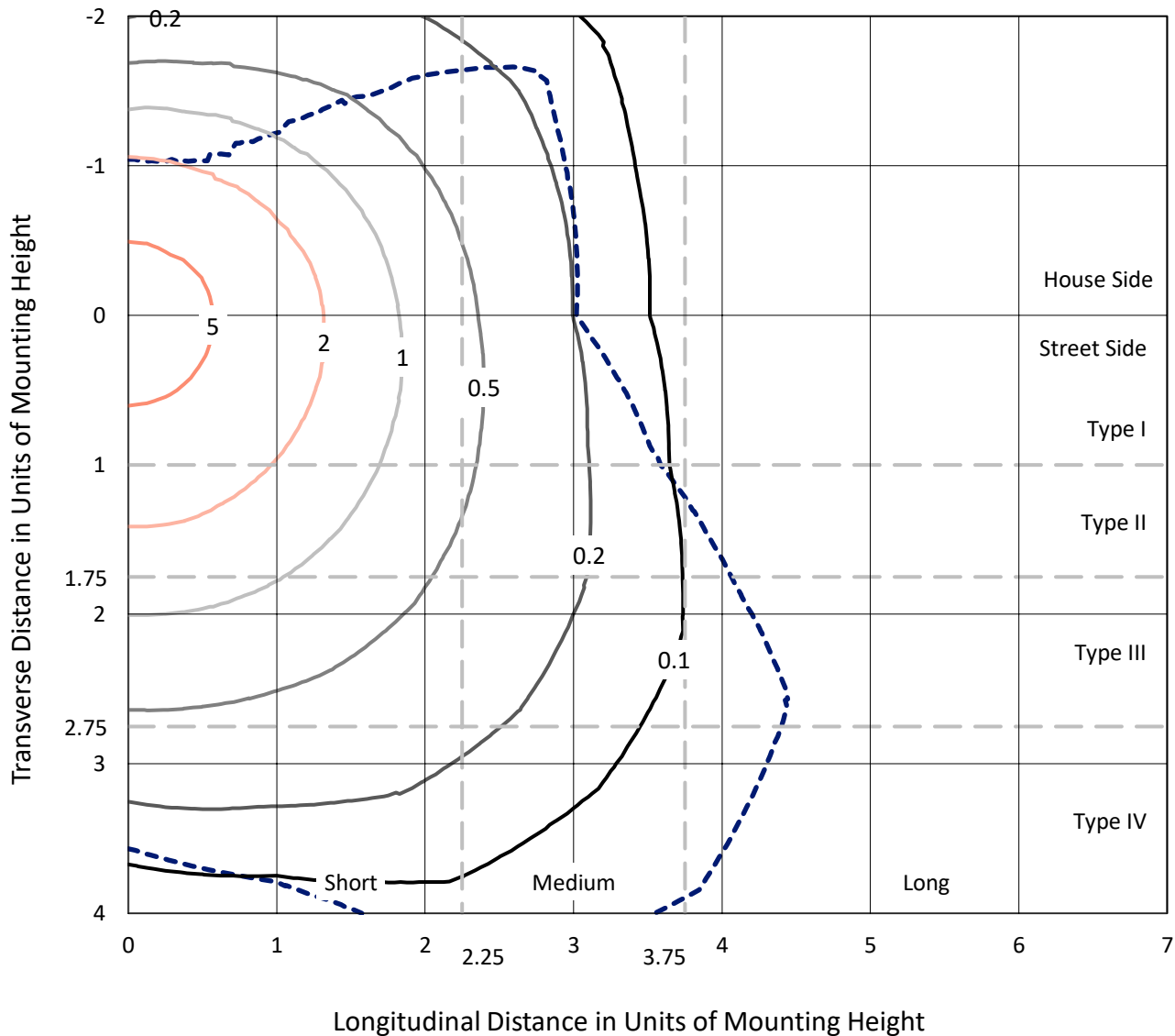
Input Watts (W): 187.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

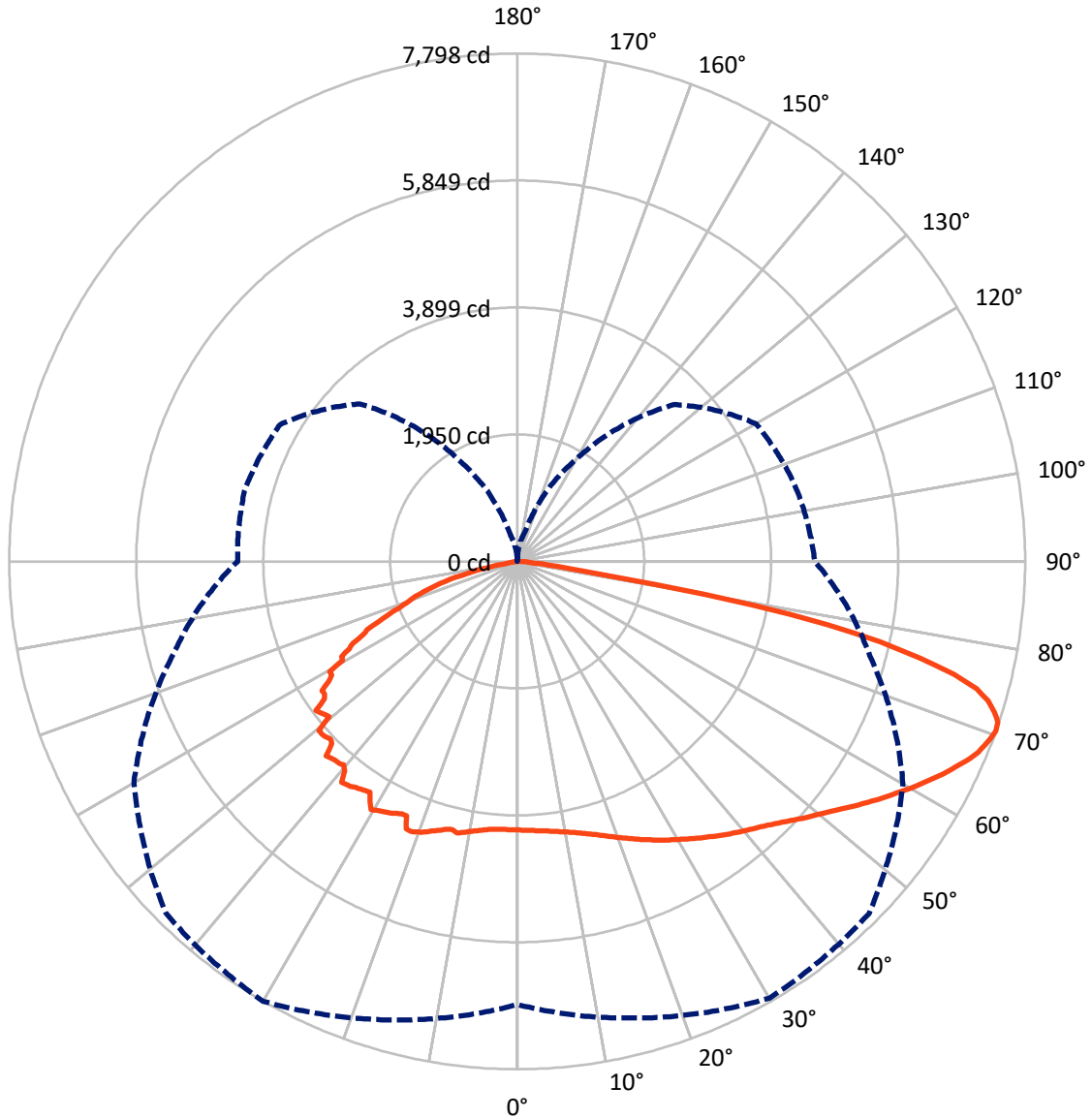
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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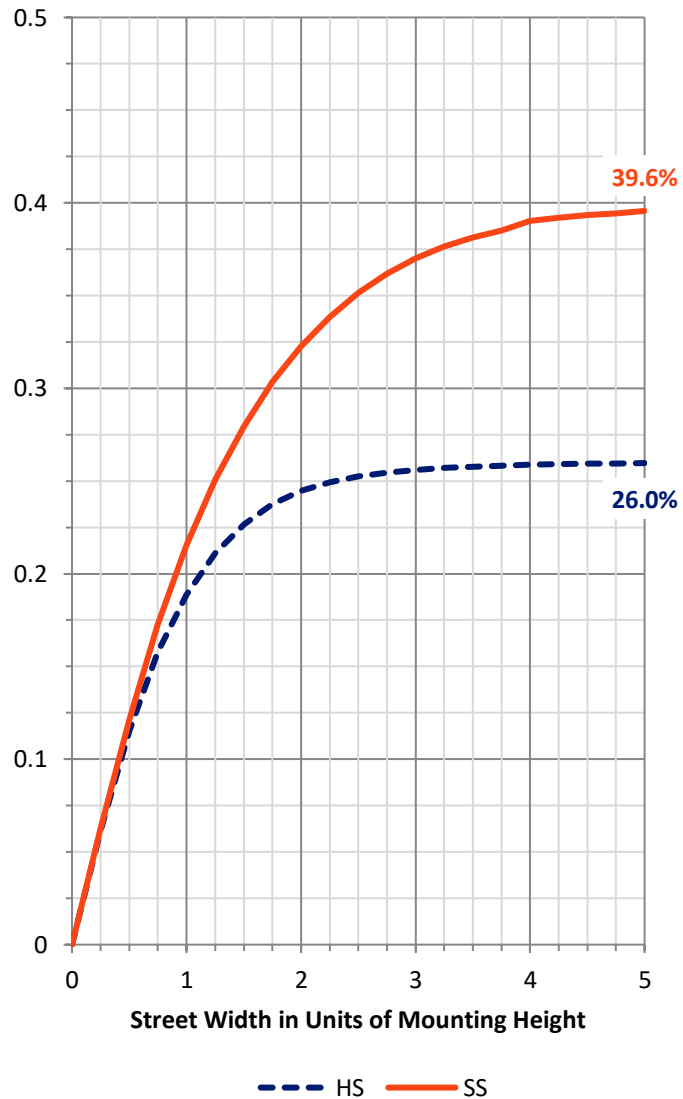
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9611.8	0.0	9611.8
	% Lamp	26.0	0.0	26.0
Street Side	Lumens	14592.0	0.0	14592.0
	% Lamp	39.5	0.0	39.5
Total	Lumens	24203.8	0.0	24203.8
	% Lamp	65.5	0.0	65.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	398.2	1.6	1.1
10°-20°	1230.8	5.1	3.3
20°-30°	2128.0	8.8	5.8
30°-40°	3049.4	12.6	8.3
40°-50°	3942.3	16.3	10.7
50°-60°	4744.2	19.6	12.8
60°-70°	5078.5	21.0	13.8
70°-80°	3415.0	14.1	9.2
80°-90°	217.5	0.9	0.6
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°	24203.8	100.0	65.5
0°-180°	24203.8	100.0	65.5

Coefficient of Utilization



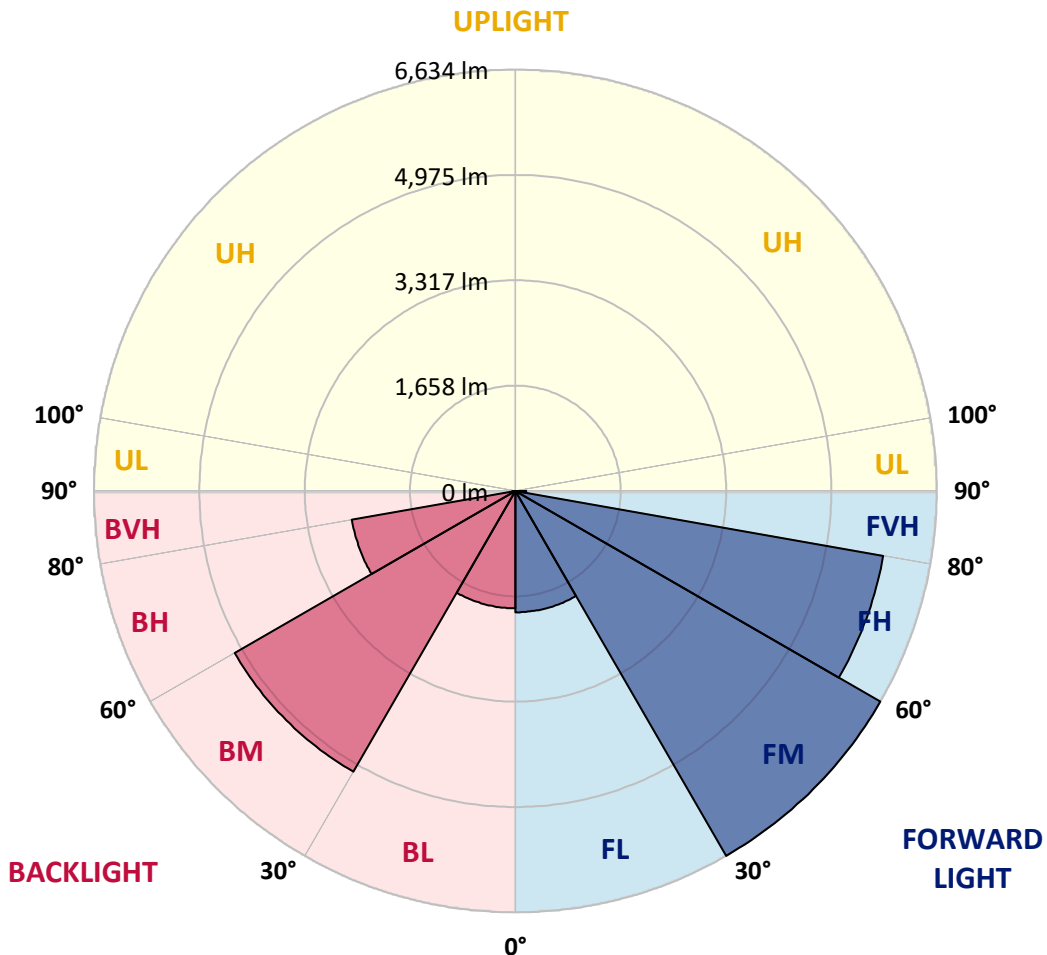
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1909.7	5.2			
FM (30°-60°)	6633.7	18.0			
FH (60°-80°)	5878.6	15.9			G3/7500
FVH (80°-90°)	169.9	0.5			G2/225
BL (0°-30°)	1847.3	5.0	B3/2500		
BM (30°-60°)	5102.2	13.8	B4/8500		
BH (60°-80°)	2614.8	7.1	B4/5000		G4/5000
BVH (80°-90°)	47.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	12728.2	34.5			

BUG Rating: B4-U0-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3
1°	4127.3	4127.7	4126.5	4127.5	4126.8	4125.5	4123.6	4122.3	4121.4	4121.6	4121.4
2°	4132.0	4131.8	4130.5	4130.8	4129.0	4127.2	4124.8	4122.8	4120.8	4120.6	4120.8
3°	4138.4	4137.5	4135.6	4135.3	4133.9	4132.4	4128.0	4125.1	4122.5	4121.3	4121.2
4°	4145.4	4143.8	4142.4	4143.1	4141.1	4140.5	4135.4	4130.4	4126.5	4124.4	4123.5
5°	4153.6	4151.9	4151.6	4152.5	4152.7	4152.5	4146.2	4139.9	4133.0	4129.3	4127.9
6°	4162.8	4161.4	4161.5	4164.7	4166.5	4164.7	4158.2	4151.6	4141.9	4135.3	4133.5
7°	4173.6	4172.2	4172.9	4178.6	4180.4	4178.0	4171.0	4163.9	4153.5	4145.1	4146.2
8°	4185.7	4184.8	4186.9	4193.6	4195.5	4194.0	4186.4	4177.8	4166.8	4160.2	4163.1
9°	4199.8	4199.1	4203.3	4209.8	4213.9	4211.3	4203.0	4192.0	4181.0	4179.6	4181.4
10°	4216.6	4215.7	4220.6	4228.4	4233.1	4229.6	4219.9	4207.1	4196.1	4201.8	4202.6
11°	4236.1	4234.5	4240.0	4249.7	4253.6	4249.7	4239.0	4224.7	4215.3	4224.6	4223.7
12°	4256.7	4254.6	4261.8	4271.9	4275.4	4271.8	4252.7	4237.6	4239.2	4249.3	4247.4
13°	4280.4	4277.0	4284.4	4296.9	4299.0	4286.2	4265.3	4249.3	4254.3	4274.4	4271.9
14°	4306.8	4302.2	4308.8	4322.2	4325.4	4304.1	4283.3	4263.1	4272.7	4300.7	4238.6
15°	4335.5	4330.5	4336.2	4348.8	4345.3	4325.0	4304.4	4283.3	4290.5	4319.5	4246.7
16°	4365.9	4360.5	4367.1	4378.4	4368.7	4348.9	4334.7	4311.0	4313.9	4330.5	4276.6
17°	4397.0	4390.4	4399.0	4408.9	4394.8	4380.3	4359.0	4333.4	4340.8	4307.7	4307.5
18°	4430.3	4423.3	4432.1	4444.3	4418.3	4410.6	4388.7	4360.1	4365.4	4317.9	4341.0
19°	4463.3	4456.9	4466.9	4477.3	4447.7	4440.2	4424.7	4397.2	4395.7	4347.2	4377.1
20°	4498.0	4491.2	4503.5	4506.1	4481.1	4471.8	4464.4	4435.6	4432.9	4372.4	4411.2
21°	4532.6	4527.1	4541.0	4538.7	4516.3	4511.9	4503.9	4469.2	4469.0	4400.8	4434.9
22°	4568.0	4564.4	4580.0	4573.9	4548.9	4554.0	4534.5	4489.7	4490.1	4438.2	4454.9
23°	4607.0	4604.5	4620.4	4609.7	4587.6	4596.4	4553.2	4513.6	4483.0	4474.8	4446.1
24°	4645.8	4646.3	4660.8	4644.8	4624.7	4629.8	4575.8	4554.9	4497.9	4501.9	4262.4
25°	4687.6	4689.5	4703.0	4683.6	4666.1	4656.9	4612.1	4579.8	4526.5	4528.8	4262.2
26°	4730.4	4733.4	4746.2	4721.1	4708.6	4683.8	4644.9	4610.2	4551.5	4561.7	4288.5
27°	4776.0	4780.9	4791.7	4765.0	4751.0	4713.9	4670.5	4651.2	4590.2	4579.4	4318.2
28°	4824.3	4830.4	4837.9	4805.6	4792.2	4755.7	4706.7	4691.3	4628.2	4496.0	4341.7
29°	4874.8	4879.2	4883.2	4844.7	4829.6	4798.8	4752.0	4723.0	4648.6	4397.1	4366.6
30°	4928.1	4928.7	4925.3	4884.2	4866.5	4830.8	4799.2	4745.3	4666.9	4412.3	4393.1
31°	4982.3	4978.0	4966.7	4930.3	4895.1	4867.9	4839.2	4776.8	4701.4	4417.1	4423.4
32°	5039.4	5028.5	5012.0	4972.8	4928.3	4906.2	4864.3	4813.4	4737.4	4436.6	4327.5
33°	5100.7	5079.4	5056.7	5014.7	4963.0	4949.7	4895.9	4850.0	4751.5	4467.4	4203.5
34°	5162.1	5129.8	5100.3	5061.3	5005.6	4992.8	4937.1	4870.4	4778.5	4501.0	4222.1
35°	5225.8	5182.3	5147.7	5109.8	5049.0	5033.7	4981.1	4901.4	4800.2	4528.5	4240.0
36°	5289.1	5231.8	5192.8	5156.7	5090.3	5065.1	5027.4	4934.9	4822.5	4542.8	4265.9
37°	5354.8	5280.2	5238.8	5203.5	5126.8	5088.5	5061.7	4960.3	4825.2	4548.3	4300.7
38°	5422.1	5327.4	5282.9	5252.0	5168.3	5120.3	5103.6	4990.2	4728.9	4423.5	4317.8
39°	5489.0	5375.2	5330.0	5295.2	5205.6	5158.5	5158.3	5012.3	4654.6	4371.0	4330.3
40°	5561.5	5425.8	5374.4	5338.0	5251.3	5202.6	5209.3	5043.6	4689.5	4408.3	4165.4
41°	5631.9	5481.3	5420.8	5384.6	5302.3	5250.9	5256.4	5058.0	4729.7	4441.7	4105.7
42°	5702.8	5542.6	5474.0	5427.0	5355.3	5301.3	5303.2	5070.7	4768.7	4436.6	4135.8
43°	5767.3	5608.4	5530.6	5476.3	5409.5	5338.2	5343.9	5108.0	4753.2	4449.7	4139.4
44°	5828.9	5677.4	5589.7	5527.6	5464.7	5386.1	5384.0	5137.8	4757.4	4482.1	4161.6



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5888.0	5747.8	5649.4	5580.1	5513.2	5437.6	5427.1	5188.5	4789.8	4504.4	4183.9
46°	5943.9	5820.3	5713.0	5640.7	5563.4	5498.8	5458.5	5193.1	4827.5	4371.6	3991.3
47°	5996.8	5895.9	5781.1	5706.3	5619.3	5554.5	5489.4	5177.6	4837.0	4298.2	3956.7
48°	6048.8	5977.1	5852.3	5775.7	5676.4	5608.4	5534.2	5206.6	4841.6	4322.1	3989.9
49°	6103.8	6062.4	5928.6	5846.0	5740.2	5667.9	5576.1	5249.1	4739.6	4365.2	4002.4
50°	6161.0	6151.8	6005.9	5911.0	5807.2	5725.8	5616.9	5275.6	4726.6	4384.6	4001.0
51°	6220.9	6242.0	6086.4	5980.8	5875.4	5778.8	5651.4	5292.2	4743.2	4393.1	3744.4
52°	6281.9	6336.2	6169.9	6057.8	5948.4	5833.8	5649.9	5320.6	4759.5	4235.7	3774.7
53°	6349.5	6431.6	6253.8	6137.3	6018.3	5886.0	5615.5	5336.5	4808.0	4216.9	3814.9
54°	6424.0	6526.1	6346.8	6220.7	6079.7	5933.0	5607.0	5335.8	4809.9	4236.5	3846.0
55°	6497.0	6618.6	6442.7	6309.7	6143.8	5970.1	5621.9	5335.7	4809.2	4248.3	3631.8
56°	6571.4	6708.3	6540.4	6405.1	6210.6	6012.2	5644.5	5325.1	4782.7	4192.1	3586.7
57°	6642.8	6794.9	6639.5	6499.0	6281.0	6060.9	5656.6	5319.1	4678.7	4052.4	3596.4
58°	6712.3	6874.8	6739.8	6598.2	6350.2	6105.9	5653.9	5262.5	4693.2	4102.9	3434.2
59°	6780.4	6947.6	6840.7	6695.2	6417.2	6142.8	5647.9	5264.2	4686.6	4155.6	3337.8
60°	6847.3	7016.4	6939.7	6794.9	6479.6	6174.5	5645.7	5221.3	4667.5	4137.1	3340.5
61°	6903.6	7075.3	7040.6	6889.2	6543.5	6191.9	5628.9	5177.0	4625.7	3997.0	3081.5
62°	6952.8	7127.1	7139.6	6979.7	6608.1	6179.9	5587.7	5123.1	4569.6	3979.5	3069.3
63°	7000.0	7173.7	7237.2	7072.7	6666.4	6128.7	5539.0	5064.0	4551.6	3919.1	2908.7
64°	7061.6	7218.2	7337.5	7171.0	6711.0	6081.7	5477.1	5007.3	4500.6	3837.4	2819.8
65°	7125.8	7273.3	7430.6	7272.0	6760.1	6044.1	5416.9	4939.6	4396.1	3802.4	2615.6
66°	7164.5	7331.6	7513.1	7361.7	6807.3	6023.5	5335.7	4882.7	4412.1	3693.4	2537.6
67°	7169.7	7374.2	7583.9	7447.6	6836.1	5991.1	5238.4	4794.0	4439.3	3635.9	2320.7
68°	7162.5	7380.7	7654.0	7529.5	6857.1	5926.4	5082.2	4701.5	4460.8	3558.0	2156.7
69°	7078.6	7350.6	7713.7	7596.4	6856.5	5815.7	4898.2	4588.4	4344.4	3483.9	1947.9
70°	6802.1	7258.2	7741.9	7640.9	6836.8	5606.6	4568.6	4423.9	4229.9	3403.8	1807.2
71°	6260.3	7019.6	7718.3	7652.1	6790.3	5322.8	4139.8	4185.0	4138.1	3296.0	1718.5
72°	5560.7	6577.9	7638.3	7622.6	6718.8	4958.8	3736.3	3892.4	4022.5	3172.8	1580.2
73°	4877.0	5971.4	7492.8	7558.4	6593.7	4561.9	3388.3	3560.2	3844.2	3040.1	1441.3
74°	4206.8	5306.4	7270.0	7435.1	6396.8	4167.4	3079.1	3213.7	3660.2	2883.8	1302.3
75°	3211.3	4563.5	6935.1	7209.7	6167.7	3771.7	2710.3	2867.9	3453.5	2694.2	1162.3
76°	1915.4	3601.3	6416.8	6865.6	5831.9	3239.4	1997.0	2533.8	3202.3	2441.0	975.6
77°	830.5	2282.3	5733.4	6337.8	5391.1	2440.9	1283.8	1920.9	2917.0	2111.4	793.7
78°	634.2	1066.0	4891.9	5563.9	4783.6	1458.9	580.9	1307.9	2576.1	1700.2	582.7
79°	450.7	798.6	3743.7	4578.2	3883.8	624.7	214.2	694.9	2102.6	1289.0	352.5
80°	267.1	534.0	2290.9	3351.0	2733.1	467.2	180.7	495.8	1448.0	877.7	216.4
81°	243.1	269.4	1100.2	2062.8	1490.4	313.3	147.1	296.8	793.7	491.6	81.2
82°	222.3	240.0	802.4	913.8	628.0	159.4	113.8	103.9	558.6	288.2	48.4
83°	201.4	214.1	526.5	685.9	420.5	137.8	97.8	88.5	323.5	86.9	33.7
84°	180.2	189.2	250.6	470.0	214.2	117.8	82.7	74.3	90.4	70.0	26.1
85°	158.1	165.3	202.6	254.1	170.1	99.0	67.8	60.3	71.3	58.3	20.4
86°	133.9	142.0	167.5	212.2	136.7	80.9	53.2	47.4	54.9	47.5	17.0
87°	110.0	120.3	138.7	166.8	110.2	64.6	38.5	36.1	42.1	35.9	13.7
88°	89.3	99.3	111.0	116.5	85.6	49.6	27.5	28.0	31.2	25.5	10.4
89°	73.4	77.5	79.5	68.7	65.9	34.6	16.5	19.8	22.2	15.2	7.2



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3	4124.3
1°	4121.2	4122.3	4123.2	4124.1	4125.6	4126.3	4127.8	4127.0	4127.0	4127.7	4128.8
2°	4120.1	4122.1	4123.4	4125.4	4127.8	4129.9	4131.3	4132.7	4132.6	4133.4	4133.7
3°	4121.4	4123.0	4125.8	4128.2	4131.6	4134.6	4137.2	4140.0	4140.5	4141.1	4140.2
4°	4123.4	4126.1	4128.7	4132.0	4136.8	4142.1	4146.4	4149.7	4150.7	4151.1	4149.1
5°	4126.5	4128.9	4132.4	4137.8	4143.8	4151.0	4156.8	4160.7	4162.0	4162.1	4160.2
6°	4135.5	4139.2	4142.4	4144.4	4153.6	4162.0	4168.3	4174.0	4174.7	4174.4	4171.1
7°	4150.2	4154.1	4157.1	4159.2	4164.0	4174.3	4182.0	4188.9	4189.8	4188.7	4184.4
8°	4165.8	4169.1	4172.1	4176.7	4179.9	4188.7	4197.3	4204.6	4207.0	4206.4	4200.1
9°	4183.1	4185.6	4189.8	4196.4	4199.7	4204.0	4212.9	4221.1	4224.7	4224.6	4216.8
10°	4200.1	4202.8	4207.5	4217.3	4221.8	4220.9	4231.6	4241.3	4244.0	4243.6	4235.6
11°	4221.7	4224.2	4228.0	4239.0	4246.5	4243.0	4253.3	4265.4	4268.1	4266.0	4257.7
12°	4226.7	4200.3	4237.1	4263.5	4273.9	4270.8	4267.0	4281.5	4294.4	4292.2	4282.0
13°	4187.3	4189.8	4194.7	4289.0	4301.6	4288.7	4285.9	4301.1	4314.3	4322.8	4308.6
14°	4212.0	4216.8	4221.9	4262.2	4331.6	4311.1	4305.0	4321.6	4335.9	4349.5	4337.5
15°	4242.2	4244.6	4250.3	4265.8	4353.2	4334.0	4329.8	4348.0	4360.1	4374.1	4369.4
16°	4272.9	4275.9	4281.2	4298.2	4376.9	4364.2	4354.5	4378.0	4389.3	4400.9	4404.1
17°	4305.5	4308.5	4315.4	4332.8	4360.8	4389.3	4382.0	4408.9	4424.5	4428.2	4439.3
18°	4338.8	4336.3	4348.1	4368.6	4367.5	4419.7	4416.9	4443.4	4455.5	4461.4	4472.5
19°	4368.5	4364.9	4379.4	4406.0	4395.0	4458.5	4455.7	4484.4	4490.8	4497.6	4501.6
20°	4397.3	4379.7	4409.5	4442.5	4424.5	4498.4	4492.0	4525.2	4531.2	4536.7	4536.2
21°	4332.5	4179.3	4348.8	4465.0	4462.3	4531.7	4525.7	4560.7	4575.7	4569.5	4573.7
22°	4190.8	4183.6	4210.4	4488.4	4502.8	4556.4	4549.1	4590.7	4619.8	4609.5	4608.7
23°	4216.6	4210.9	4239.0	4490.6	4536.0	4556.3	4584.4	4612.7	4659.6	4647.9	4648.3
24°	4244.2	4240.8	4269.0	4312.7	4568.9	4577.0	4628.8	4648.7	4697.3	4692.8	4687.8
25°	4276.7	4275.9	4303.4	4316.9	4598.5	4602.0	4656.6	4690.3	4725.8	4738.6	4727.9
26°	4313.6	4311.4	4342.9	4349.5	4635.7	4632.6	4691.0	4718.3	4756.2	4783.2	4769.4
27°	4347.1	4346.4	4379.1	4379.0	4650.9	4674.1	4736.8	4751.2	4801.0	4825.1	4807.4
28°	4383.3	4347.6	4413.5	4405.1	4575.1	4711.6	4778.1	4797.4	4848.9	4864.1	4847.5
29°	4338.9	4127.1	4360.5	4430.4	4478.0	4729.9	4805.5	4846.9	4887.7	4903.3	4892.2
30°	4149.2	4156.3	4182.3	4463.5	4489.9	4754.6	4835.9	4891.4	4926.0	4937.2	4934.9
31°	4176.1	4190.4	4212.8	4494.2	4499.2	4790.4	4873.6	4924.8	4966.8	4970.6	4977.8
32°	4204.4	4230.6	4243.0	4386.4	4525.9	4827.4	4914.7	4957.3	5012.3	5006.3	5028.6
33°	4236.8	4271.6	4278.0	4271.1	4561.5	4842.4	4953.0	4993.8	5054.1	5052.9	5078.9
34°	4270.7	4309.9	4310.4	4290.9	4597.8	4870.4	4974.0	5036.4	5093.3	5097.6	5129.5
35°	4300.7	4344.7	4340.4	4309.2	4620.8	4890.7	5006.3	5083.1	5122.3	5141.8	5179.7
36°	4325.2	4099.9	4362.6	4339.5	4632.1	4910.3	5032.1	5121.9	5144.2	5175.6	5226.3
37°	4068.7	4080.3	4097.7	4371.6	4632.4	4911.0	5058.5	5159.3	5176.0	5216.0	5271.8
38°	4037.9	4118.5	4079.1	4383.6	4506.4	4817.5	5086.0	5209.1	5210.9	5253.4	5318.4
39°	4065.0	4161.5	4106.0	4403.1	4461.5	4753.6	5106.0	5260.4	5251.6	5300.8	5363.9
40°	4098.0	4204.2	4135.9	4236.9	4501.0	4792.4	5138.5	5308.6	5297.8	5351.2	5406.4
41°	4117.0	4214.9	4155.0	4186.5	4525.7	4833.5	5147.8	5364.8	5348.2	5402.1	5449.4
42°	4106.8	3909.6	4156.7	4210.3	4518.6	4860.1	5164.4	5416.2	5394.9	5452.1	5498.2
43°	3842.7	3932.1	3888.3	4212.7	4541.0	4835.6	5205.5	5459.4	5446.0	5502.9	5547.4
44°	3869.6	3959.6	3918.0	4234.7	4573.2	4849.9	5243.1	5503.8	5502.6	5547.6	5605.0

REPORT NUMBER: P1436830

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3907.8	3982.1	3954.5	4254.7	4600.0	4889.4	5292.1	5542.4	5562.6	5599.0	5670.6
46°	3929.3	3901.8	3971.0	4044.1	4460.4	4921.9	5276.8	5572.0	5616.5	5660.5	5740.0
47°	3869.4	3626.3	3913.4	4036.6	4397.9	4942.1	5273.4	5612.5	5671.2	5722.8	5809.0
48°	3627.5	3642.6	3679.4	4064.7	4427.3	4936.2	5312.1	5655.0	5733.9	5789.0	5874.9
49°	3664.4	3662.2	3715.3	4077.8	4472.0	4835.0	5363.2	5693.0	5796.1	5855.1	5941.1
50°	3702.0	3676.2	3753.3	4071.9	4481.8	4843.8	5389.5	5726.7	5849.5	5921.3	6010.7
51°	3737.2	3313.7	3781.7	3826.6	4492.9	4861.0	5406.1	5742.9	5905.2	5991.8	6087.4
52°	3421.6	3323.1	3458.7	3862.9	4317.2	4884.8	5443.9	5711.2	5960.2	6060.2	6162.0
53°	3409.6	3336.4	3459.0	3903.4	4323.9	4929.1	5451.0	5692.5	6011.4	6121.5	6246.0
54°	3418.3	3072.2	3460.7	3941.0	4347.8	4928.6	5453.7	5702.9	6048.6	6184.8	6334.3
55°	3178.9	2933.9	3218.9	3687.9	4358.2	4925.8	5449.8	5724.7	6086.9	6243.8	6424.4
56°	3056.9	2934.4	3106.4	3668.2	4271.4	4892.4	5431.6	5742.9	6128.8	6308.6	6517.6
57°	3059.0	2624.7	3112.9	3683.2	4180.9	4804.8	5416.7	5738.9	6166.0	6373.9	6608.7
58°	2762.0	2538.9	2797.2	3495.7	4229.3	4814.6	5355.5	5726.7	6196.2	6429.9	6699.8
59°	2692.1	2521.3	2741.1	3426.2	4278.6	4802.3	5356.2	5718.9	6222.1	6486.2	6787.0
60°	2616.4	2112.2	2642.1	3427.0	4223.8	4775.5	5290.4	5706.7	6235.2	6549.9	6872.2
61°	2316.4	2096.3	2363.2	3163.5	4102.2	4719.2	5244.8	5670.1	6220.3	6610.0	6962.0
62°	2251.8	1685.9	2273.7	3157.6	4083.2	4667.4	5178.8	5632.8	6168.8	6659.2	7059.0
63°	1921.6	1458.3	1962.6	2954.4	4005.6	4644.1	5108.7	5559.1	6124.1	6703.8	7156.0
64°	1713.5	1230.7	1731.8	2894.3	3932.1	4577.0	5046.2	5503.7	6088.3	6751.6	7245.1
65°	1490.6	1003.5	1498.0	2669.0	3885.3	4484.4	4970.1	5419.4	6061.4	6797.5	7330.3
66°	1267.7	797.0	1264.3	2593.7	3774.5	4503.8	4890.3	5316.8	6032.1	6831.6	7410.2
67°	1043.4	530.0	1029.6	2382.5	3713.6	4519.0	4774.5	5174.0	5972.4	6853.8	7486.9
68°	776.1	263.0	743.6	2178.6	3611.4	4506.3	4663.3	5014.0	5871.1	6862.4	7557.0
69°	543.8	0.5	510.7	1946.4	3515.7	4341.3	4526.2	4718.7	5705.3	6842.0	7609.5
70°	486.9	0.4	437.0	1802.8	3418.5	4202.5	4323.6	4292.4	5459.6	6794.9	7633.1
71°	425.4	0.4	371.9	1705.3	3298.7	4078.7	4035.0	3850.0	5092.5	6724.1	7629.8
72°	358.2	0.4	300.5	1545.9	3158.9	3932.7	3705.1	3474.8	4664.7	6617.9	7598.3
73°	289.4	0.4	227.6	1370.5	2994.8	3733.1	3362.4	3182.5	4244.7	6431.7	7509.2
74°	228.5	0.4	162.9	1195.1	2791.9	3533.0	3030.4	2815.5	3836.3	6179.9	7342.1
75°	165.8	0.5	98.9	1019.4	2575.9	3305.9	2652.3	2205.6	3382.5	5851.8	7092.4
76°	103.2	0.6	56.2	819.6	2281.4	3006.6	2195.1	1407.7	2722.1	5432.3	6724.7
77°	49.6	0.7	25.9	631.6	1885.6	2657.5	1775.7	650.6	1842.0	4921.1	6160.8
78°	36.7	0.9	20.6	425.2	1458.4	2223.9	1356.3	471.4	902.8	4227.1	5278.9
79°	23.7	1.0	15.3	303.0	1031.2	1625.3	937.0	307.2	649.7	3293.9	4138.6
80°	11.0	1.2	10.0	180.7	608.8	1026.8	517.6	142.9	412.2	2111.4	2907.7
81°	9.7	1.4	8.9	58.8	431.8	436.8	112.9	122.3	174.7	1005.8	1625.3
82°	8.6	1.6	8.0	39.7	254.7	270.8	97.0	106.5	152.2	730.9	632.9
83°	7.7	1.8	7.3	31.7	80.5	105.8	82.8	91.0	132.1	464.8	490.0
84°	7.0	2.0	6.7	24.9	68.7	83.4	69.3	76.1	112.6	198.7	367.9
85°	6.3	2.3	6.2	19.2	57.8	66.3	56.3	60.9	94.1	157.0	245.7
86°	5.7	2.5	5.6	16.0	46.8	51.6	44.1	45.6	76.5	126.9	202.7
87°	5.2	2.7	5.1	12.8	34.7	39.1	33.4	30.4	61.7	101.5	155.9
88°	4.8	3.0	4.7	9.6	24.6	27.6	23.6	17.6	45.7	76.8	104.3
89°	4.3	3.2	4.3	6.9	14.6	16.2	13.8	7.6	29.8	60.0	60.5



REPORT NUMBER: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4124.3	4124.3	4124.3
1°	4127.9	4128.2	4127.3
2°	4132.9	4132.6	4132.0
3°	4139.7	4138.6	4138.4
4°	4147.9	4145.9	4145.4
5°	4157.1	4154.5	4153.6
6°	4167.4	4163.3	4162.8
7°	4179.2	4174.8	4173.6
8°	4193.3	4187.7	4185.7
9°	4208.9	4202.3	4199.8
10°	4226.5	4218.9	4216.6
11°	4246.7	4237.7	4236.1
12°	4269.0	4258.4	4256.7
13°	4293.3	4282.0	4280.4
14°	4319.3	4309.2	4306.8
15°	4349.3	4337.9	4335.5
16°	4381.4	4368.5	4365.9
17°	4416.3	4401.9	4397.0
18°	4452.0	4434.7	4430.3
19°	4489.3	4469.9	4463.3
20°	4527.7	4504.8	4498.0
21°	4567.9	4542.7	4532.6
22°	4609.0	4581.4	4568.0
23°	4652.0	4623.2	4607.0
24°	4693.7	4666.2	4645.8
25°	4736.1	4712.3	4687.6
26°	4780.8	4759.9	4730.4
27°	4826.2	4806.3	4776.0
28°	4868.1	4855.2	4824.3
29°	4908.9	4903.3	4874.8
30°	4953.3	4952.7	4928.1
31°	4998.2	5003.2	4982.3
32°	5042.8	5052.8	5039.4
33°	5091.0	5103.8	5100.7
34°	5137.4	5156.0	5162.1
35°	5184.5	5208.3	5225.8
36°	5233.2	5258.5	5289.1
37°	5282.5	5308.0	5354.8
38°	5330.2	5355.7	5422.1
39°	5377.4	5403.3	5489.0
40°	5426.4	5455.2	5561.5
41°	5477.0	5512.5	5631.9
42°	5529.6	5575.5	5702.8
43°	5584.5	5641.1	5767.3
44°	5645.9	5712.1	5828.9



REPORT NUMBER: P1436830

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5710.9	5782.2	5888.0
46°	5783.3	5856.1	5943.9
47°	5857.7	5935.9	5996.8
48°	5930.0	6019.0	6048.8
49°	6004.4	6104.4	6103.8
50°	6083.3	6195.1	6161.0
51°	6167.0	6285.7	6220.9
52°	6253.1	6381.1	6281.9
53°	6342.8	6475.2	6349.5
54°	6437.7	6570.1	6424.0
55°	6531.1	6661.8	6497.0
56°	6627.7	6751.6	6571.4
57°	6721.4	6838.1	6642.8
58°	6817.1	6916.1	6712.3
59°	6916.1	6985.6	6780.4
60°	7015.7	7051.8	6847.3
61°	7116.0	7119.9	6903.6
62°	7213.6	7182.2	6952.8
63°	7308.0	7229.4	7000.0
64°	7399.8	7264.1	7061.6
65°	7492.2	7311.9	7125.8
66°	7583.9	7372.2	7164.5
67°	7659.9	7413.5	7169.7
68°	7709.7	7416.8	7162.5
69°	7762.8	7378.8	7078.6
70°	7798.2	7289.0	6802.1
71°	7780.5	7072.1	6260.3
72°	7682.2	6645.4	5560.7
73°	7540.0	6040.3	4877.0
74°	7321.8	5354.5	4206.8
75°	6922.0	4601.9	3211.3
76°	6365.5	3653.3	1915.4
77°	5703.5	2424.9	830.5
78°	4858.3	1199.4	634.2
79°	3673.0	539.7	450.7
80°	2142.6	400.0	267.1
81°	1012.8	277.8	243.1
82°	741.4	244.5	222.3
83°	495.8	218.6	201.4
84°	250.2	192.6	180.2
85°	201.2	166.7	158.1
86°	168.1	142.7	133.9
87°	138.8	120.4	110.0
88°	110.4	99.0	89.3
89°	77.2	76.9	73.4



REPORT NUMBER: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5-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: P1436830

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)