

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: P1436829

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

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436829  
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)  
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**

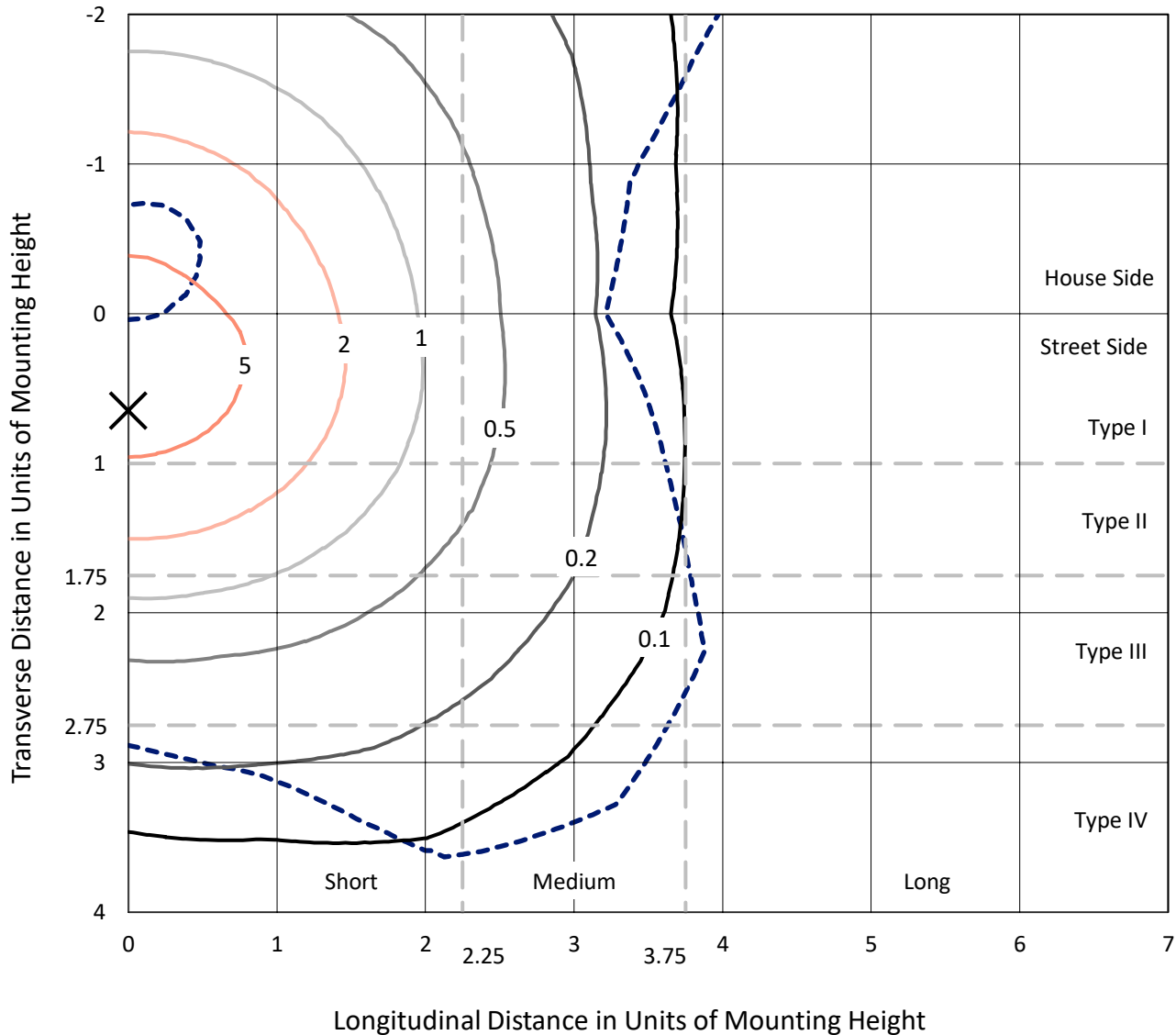
Lumens per Lamp: 46561 (1 lamp)  
Luminaire Lumens: 29842 lumens  
Efficiency: 64.1%  
Efficacy: 159.3 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B5 - U0 - G5

Input Watts (W): 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

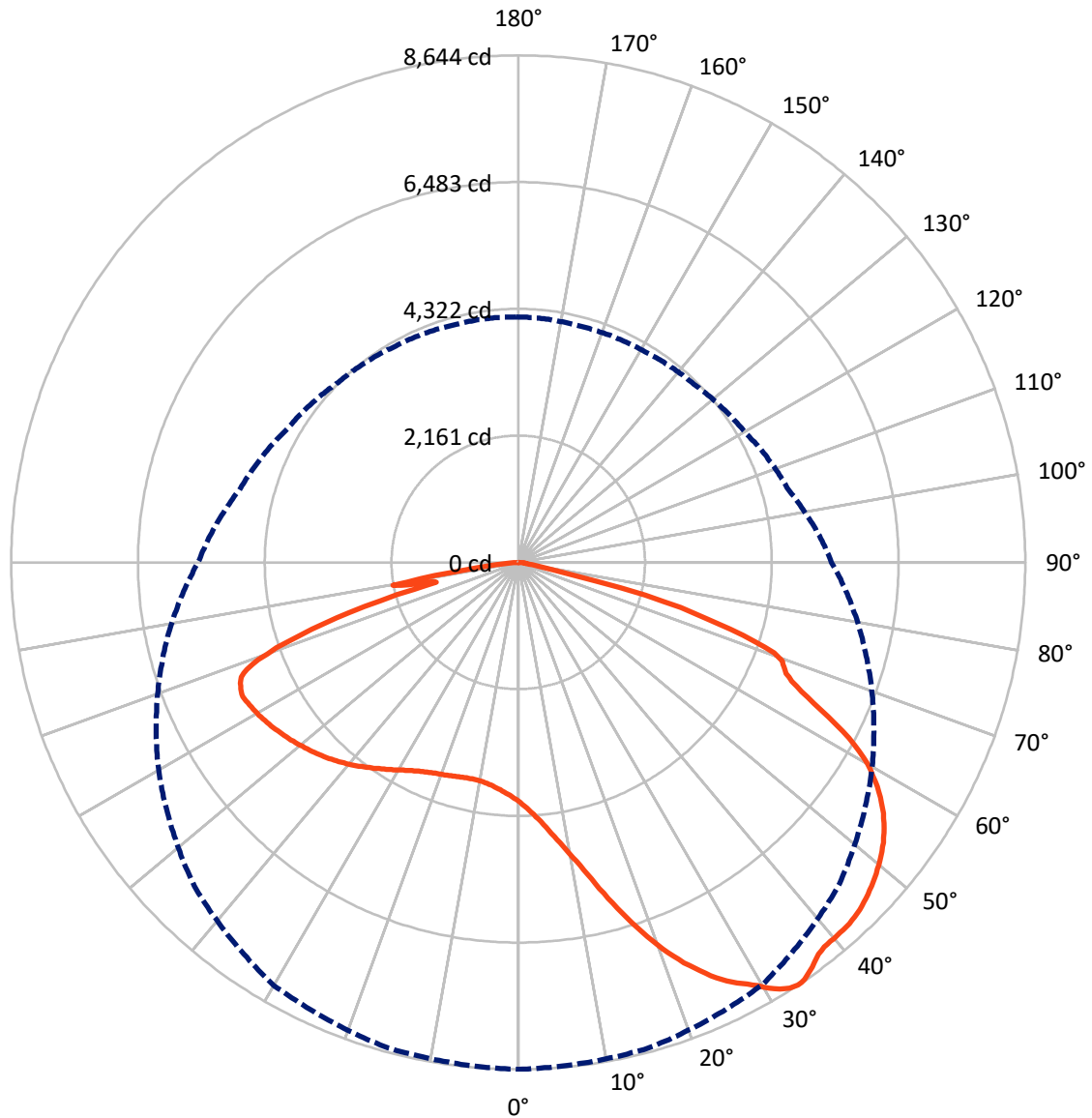
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 33-Deg Vertical

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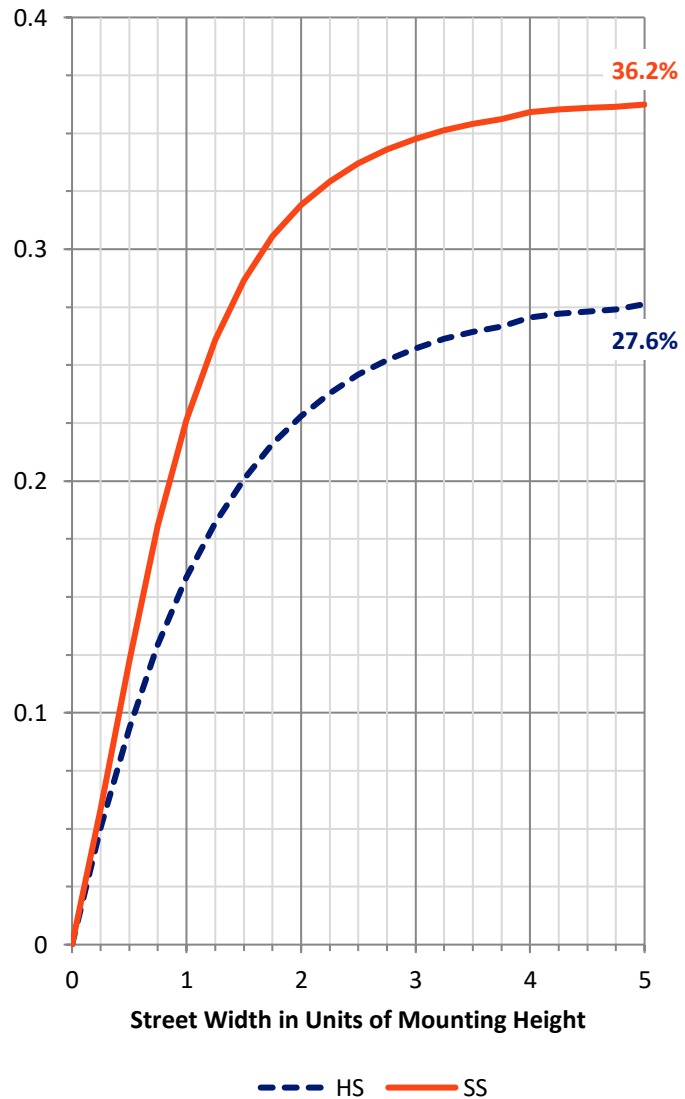
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12986.3	0.0	12986.3
	% Lamp	27.9	0.0	27.9
<b>Street Side</b>	Lumens	16855.7	0.0	16855.7
	% Lamp	36.2	0.0	36.2
<b>Total</b>	Lumens	29842.0	0.0	29842.0
	% Lamp	64.1	0.0	64.1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	403.1	1.4	0.9
10°-20°	1333.6	4.5	2.9
20°-30°	2518.3	8.4	5.4
30°-40°	3795.1	12.7	8.2
40°-50°	4905.6	16.4	10.5
50°-60°	5875.4	19.7	12.6
60°-70°	6241.3	20.9	13.4
70°-80°	4276.8	14.3	9.2
80°-90°	492.6	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°	29842.0	100.0	64.1
0°-180°	29842.0	100.0	64.1

**Coefficient of Utilization**



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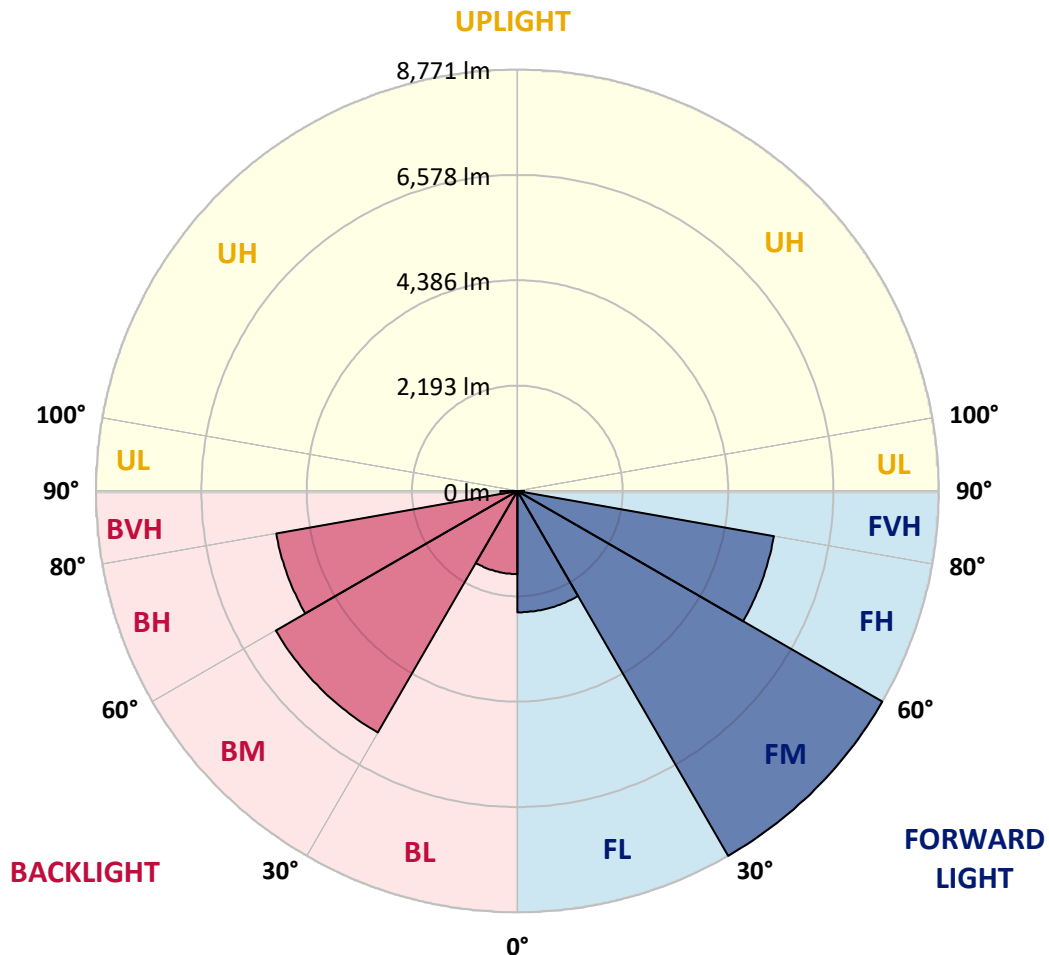
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T5)

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2525.5	5.4			
FM (30°-60°)	8771.2	18.8			
FH (60°-80°)	5422.3	11.6			G3/7500
FVH (80°-90°)	136.6	0.3			G2/225
BL (0°-30°)	1729.5	3.7	B3/2500		
BM (30°-60°)	5804.9	12.5	B4/8500		
BH (60°-80°)	5095.8	10.9	B5		G5
BVH (80°-90°)	356.1	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	16719.0	35.9			

**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°	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1
1°	4157.5	4156.1	4151.8	4145.6	4134.2	4119.9	4091.3	4076.5	4063.6	4053.0	4045.9
2°	4226.4	4222.0	4210.7	4192.5	4166.3	4137.2	4093.2	4064.2	4037.9	4017.3	4003.4
3°	4304.5	4296.7	4276.7	4243.7	4203.0	4157.7	4098.6	4054.9	4016.7	3987.5	3967.4
4°	4391.9	4380.1	4350.0	4303.3	4245.0	4182.5	4106.5	4048.6	3999.9	3962.2	3936.7
5°	4488.3	4472.0	4429.5	4368.2	4293.3	4211.9	4118.7	4046.9	3986.6	3942.0	3911.1
6°	4595.2	4574.8	4522.3	4440.6	4345.5	4243.2	4133.0	4047.4	3976.0	3924.4	3887.1
7°	4710.5	4686.4	4619.7	4520.1	4401.1	4277.0	4148.2	4049.1	3968.9	3908.8	3866.0
8°	4833.4	4805.2	4725.7	4606.1	4461.1	4314.2	4166.4	4053.9	3964.3	3895.7	3848.9
9°	4969.4	4937.7	4842.2	4698.4	4527.0	4355.0	4187.4	4060.0	3960.2	3885.4	3834.9
10°	5116.4	5074.8	4963.9	4797.7	4598.1	4398.6	4211.4	4067.7	3957.0	3879.3	3825.0
11°	5275.5	5228.3	5098.0	4902.8	4673.0	4445.9	4236.6	4077.9	3956.0	3874.6	3818.7
12°	5446.6	5388.9	5238.4	5016.2	4753.3	4497.1	4264.6	4091.5	3958.5	3872.7	3815.8
13°	5631.1	5563.6	5390.9	5135.2	4837.6	4551.1	4297.8	4107.0	3963.9	3872.9	3816.4
14°	5825.9	5750.4	5549.0	5262.5	4929.5	4610.2	4334.7	4125.3	3971.0	3876.0	3820.3
15°	6028.4	5942.7	5713.8	5396.1	5024.5	4671.4	4372.9	4145.7	3980.3	3881.5	3826.2
16°	6236.9	6137.4	5884.5	5533.4	5125.8	4737.1	4414.2	4170.5	3992.1	3888.7	3834.4
17°	6442.5	6334.7	6058.7	5671.7	5230.2	4807.2	4459.2	4196.4	4007.6	3899.3	3845.5
18°	6645.7	6530.4	6232.2	5816.0	5337.3	4880.9	4507.0	4225.3	4024.5	3912.8	3858.7
19°	6843.8	6722.6	6406.3	5957.5	5445.6	4956.0	4554.8	4256.0	4044.4	3926.9	3873.0
20°	7036.7	6905.9	6573.3	6098.6	5556.5	5031.8	4604.8	4289.2	4065.8	3944.8	3889.8
21°	7217.4	7084.8	6738.7	6239.8	5669.2	5112.0	4656.9	4323.9	4089.4	3963.6	3906.0
22°	7388.5	7254.0	6893.8	6377.6	5780.9	5195.1	4709.6	4358.7	4115.2	3984.5	3924.6
23°	7546.9	7418.0	7046.9	6514.3	5895.6	5279.0	4762.1	4393.5	4141.8	4006.8	3944.0
24°	7700.0	7571.9	7193.7	6645.1	6004.6	5362.1	4813.1	4428.6	4169.6	4029.1	3964.7
25°	7846.2	7721.8	7338.6	6774.5	6114.5	5443.0	4864.8	4463.1	4198.0	4053.1	3986.0
26°	7969.9	7855.1	7478.3	6901.4	6221.0	5526.5	4918.3	4498.6	4227.8	4077.4	4007.4
27°	8083.3	7976.3	7614.2	7023.2	6327.1	5611.8	4972.0	4533.5	4257.7	4101.8	4030.1
28°	8185.2	8083.3	7739.1	7145.0	6432.3	5696.8	5028.0	4568.8	4288.1	4127.9	4052.7
29°	8294.2	8189.1	7857.7	7264.2	6533.6	5784.3	5087.1	4606.9	4320.1	4153.0	4078.3
30°	8423.6	8312.8	7973.7	7384.1	6634.8	5875.0	5148.9	4647.3	4352.5	4180.2	4104.0
31°	8532.0	8428.8	8101.3	7506.5	6740.6	5964.2	5212.1	4688.0	4386.0	4208.2	4131.6
32°	8612.7	8519.8	8219.2	7628.9	6849.5	6051.6	5278.4	4729.0	4420.0	4237.8	4159.6
33°	8644.1	8573.0	8317.2	7747.5	6967.5	6138.9	5343.2	4770.3	4454.0	4267.7	4187.3
34°	8626.2	8569.8	8383.3	7854.5	7082.2	6236.7	5410.9	4812.6	4485.4	4296.6	4215.0
35°	8564.6	8521.1	8395.4	7938.5	7182.2	6340.3	5481.0	4856.3	4517.5	4327.6	4245.6
36°	8483.2	8449.9	8365.3	7993.6	7271.9	6441.3	5554.0	4901.5	4550.2	4359.7	4278.3
37°	8414.7	8367.9	8314.0	8005.8	7339.2	6528.4	5626.1	4945.0	4585.5	4393.1	4315.8
38°	8382.6	8314.7	8260.8	7991.0	7391.1	6603.4	5701.4	4985.9	4621.2	4430.5	4354.8
39°	8371.1	8287.8	8222.4	7971.1	7415.5	6666.2	5778.5	5029.8	4658.0	4471.0	4395.6
40°	8367.2	8274.3	8203.8	7960.9	7423.2	6713.0	5848.3	5077.1	4696.4	4516.1	4438.1
41°	8364.0	8265.3	8198.0	7960.9	7434.7	6746.3	5907.6	5128.8	4736.9	4559.3	4480.0
42°	8354.4	8258.3	8197.4	7973.1	7457.1	6776.5	5956.1	5177.2	4780.7	4606.8	4523.5
43°	8335.8	8248.0	8196.8	7994.2	7484.7	6812.4	5995.7	5221.3	4827.5	4655.0	4564.8
44°	8306.3	8235.2	8194.2	8018.6	7518.0	6858.5	6034.8	5264.1	4877.2	4706.7	4605.7



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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°	8267.3	8213.4	8188.4	8041.0	7555.8	6909.8	6077.2	5309.1	4926.6	4758.1	4645.4
46°	8219.2	8185.2	8178.8	8059.6	7598.1	6961.1	6123.2	5356.9	4978.6	4809.1	4684.3
47°	8167.3	8155.1	8167.3	8073.1	7641.1	7014.3	6167.4	5409.7	5029.8	4858.8	4724.9
48°	8112.1	8121.1	8151.9	8082.7	7682.7	7068.1	6212.8	5465.7	5081.6	4908.4	4764.7
49°	8055.1	8085.9	8130.1	8089.1	7724.4	7120.0	6255.7	5521.7	5135.6	4957.1	4808.4
50°	7993.6	8049.3	8103.8	8091.6	7762.8	7171.9	6296.0	5580.4	5189.6	5005.3	4852.4
51°	7923.7	8007.0	8072.4	8091.0	7798.1	7220.0	6332.6	5639.0	5242.9	5054.4	4900.6
52°	7845.5	7955.1	8036.5	8086.5	7834.0	7268.1	6365.8	5697.2	5296.1	5104.8	4951.6
53°	7759.0	7896.8	7998.1	8081.4	7864.1	7310.4	6395.6	5753.1	5351.9	5157.3	5005.7
54°	7661.6	7821.8	7956.4	8070.5	7889.7	7349.5	6425.9	5805.6	5410.2	5212.8	5062.8
55°	7553.3	7734.0	7910.3	8055.7	7912.2	7384.1	6453.4	5855.1	5468.7	5270.4	5121.7
56°	7430.2	7632.7	7853.2	8033.3	7930.1	7414.2	6479.7	5902.6	5528.2	5331.9	5179.9
57°	7291.1	7516.1	7784.6	8003.8	7941.7	7439.8	6502.8	5948.4	5589.8	5398.2	5237.7
58°	7136.7	7381.5	7700.7	7968.6	7946.2	7459.7	6520.1	5989.9	5654.1	5468.3	5293.4
59°	6971.9	7228.3	7607.7	7928.8	7942.3	7471.2	6532.9	6027.7	5715.3	5539.7	5345.0
60°	6774.5	7057.2	7500.1	7881.4	7928.8	7473.8	6539.3	6061.6	5777.0	5614.7	5394.0
61°	6529.7	6857.9	7380.2	7822.5	7903.9	7461.6	6536.8	6088.1	5840.8	5692.5	5448.9
62°	6238.4	6618.8	7245.6	7752.0	7874.4	7434.7	6525.2	6108.2	5905.9	5772.1	5504.3
63°	5911.4	6342.8	7091.8	7667.3	7832.7	7402.0	6510.5	6124.0	5970.4	5852.4	5559.5
64°	5587.7	6050.8	6920.0	7569.9	7775.7	7354.6	6486.8	6129.2	6032.0	5935.1	5611.6
65°	5306.7	5777.5	6734.2	7455.8	7709.0	7293.7	6449.6	6127.7	6091.4	6015.2	5662.1
66°	5083.7	5527.2	6534.2	7326.4	7627.6	7223.8	6392.6	6120.4	6141.6	6094.8	5713.8
67°	4940.9	5317.4	6338.5	7174.5	7519.9	7124.5	6308.5	6090.0	6187.6	6166.9	5760.4
68°	4867.8	5163.6	6151.4	7002.1	7392.4	6989.9	6174.1	6033.3	6226.4	6236.9	5802.6
69°	4804.3	5055.7	5978.3	6811.1	7232.2	6814.9	5962.0	5927.2	6252.1	6297.7	5825.2
70°	4624.6	4960.9	5817.5	6604.7	7037.3	6568.8	5634.0	5743.2	6250.1	6351.3	5838.4
71°	4267.8	4793.9	5676.7	6393.8	6808.5	6235.5	5162.9	5469.6	6207.8	6388.3	5839.0
72°	3792.1	4505.2	5538.8	6178.6	6542.5	5823.2	4647.7	5111.9	6114.7	6404.7	5800.7
73°	3315.7	4100.2	5381.4	5969.8	6233.9	5341.8	4169.1	4708.3	5952.6	6378.1	5728.1
74°	2874.9	3649.5	5187.0	5753.0	5875.7	4841.2	3732.7	4324.7	5740.4	6297.5	5606.8
75°	2234.1	3153.9	4935.0	5491.0	5480.3	4314.8	3222.9	3956.4	5483.3	6146.9	5382.8
76°	1366.4	2540.0	4580.7	5194.7	5046.6	3744.0	2464.5	3487.9	5220.6	5906.0	5077.6
77°	604.7	1677.8	4125.6	4777.2	4558.8	3002.0	1599.9	2768.5	4927.2	5511.2	4737.4
78°	454.5	812.0	3545.3	4216.8	3969.9	2062.4	740.8	1967.6	4558.6	4929.5	4309.2
79°	314.7	592.8	2801.1	3513.6	3267.9	1138.0	300.8	1166.7	3959.8	4156.3	3728.6
80°	175.0	386.3	1808.0	2657.7	2434.9	520.5	200.3	375.1	3027.3	3309.2	3132.4
81°	152.6	179.8	915.7	1743.6	1484.8	358.0	173.0	226.9	2144.1	2554.1	2635.3
82°	134.3	154.1	669.3	852.4	687.7	205.4	152.2	185.3	1261.0	1926.4	2319.8
83°	116.5	133.0	431.4	631.9	496.4	169.0	131.4	157.2	395.0	1537.7	2161.8
84°	98.6	112.4	193.5	418.2	323.2	141.4	110.6	129.1	259.9	1149.0	1637.9
85°	80.2	91.8	143.6	204.4	150.1	115.0	91.3	101.1	209.3	761.8	1114.0
86°	60.1	72.6	105.2	166.8	114.7	88.4	71.9	79.2	168.1	468.9	601.0
87°	43.6	54.6	78.6	127.8	86.8	64.6	51.8	59.4	127.0	326.2	419.6
88°	27.1	36.6	54.3	83.7	62.1	45.1	33.1	42.0	86.2	183.4	238.2
89°	10.6	18.7	30.1	44.6	34.8	25.7	23.2	29.2	58.8	41.0	60.5



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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: P1436829

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: P1436829

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: P1436829

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

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1	4098.1
1°	4042.9	4043.1	4048.4	4056.5	4069.0	4082.5	4097.0	4097.5	4111.8	4125.4	4138.3
2°	3996.4	3996.0	4003.3	4017.6	4037.6	4063.0	4090.6	4105.7	4135.0	4162.9	4187.9
3°	3957.1	3954.7	3964.3	3982.8	4009.7	4045.6	4086.1	4115.9	4161.2	4204.8	4244.1
4°	3923.0	3920.8	3931.2	3953.0	3987.0	4031.7	4084.1	4128.3	4189.6	4250.7	4307.4
5°	3893.5	3889.9	3902.8	3928.3	3967.6	4020.2	4084.0	4142.5	4219.9	4299.0	4375.3
6°	3865.5	3861.9	3876.1	3905.5	3950.6	4011.1	4087.2	4159.8	4253.5	4352.9	4448.8
7°	3841.6	3836.9	3852.4	3885.8	3935.0	4003.7	4090.7	4178.4	4290.5	4410.9	4527.6
8°	3821.2	3815.7	3832.8	3869.8	3922.6	3997.7	4095.7	4198.4	4329.9	4473.3	4612.1
9°	3805.5	3798.8	3817.4	3855.1	3913.8	3993.6	4103.1	4220.8	4372.9	4539.7	4703.5
10°	3792.8	3786.5	3804.8	3844.6	3906.5	3992.0	4114.3	4248.0	4419.2	4611.4	4802.7
11°	3785.3	3778.7	3796.9	3838.4	3901.8	3994.7	4128.2	4279.0	4471.1	4689.1	4908.8
12°	3783.0	3775.3	3793.0	3835.0	3901.4	3999.8	4145.3	4313.2	4527.3	4772.0	5021.9
13°	3783.9	3775.2	3793.8	3835.5	3904.0	4008.6	4165.3	4349.4	4587.3	4860.7	5146.3
14°	3786.6	3778.4	3797.0	3840.1	3908.5	4019.2	4187.3	4386.9	4649.1	4955.9	5275.1
15°	3793.0	3783.9	3802.1	3846.4	3916.6	4032.6	4211.4	4429.3	4715.2	5054.8	5411.8
16°	3801.5	3792.2	3810.4	3855.2	3929.0	4048.6	4238.0	4474.7	4784.2	5160.6	5553.5
17°	3811.4	3802.5	3821.7	3866.7	3942.9	4067.5	4266.8	4521.9	4857.9	5268.7	5697.9
18°	3824.0	3814.1	3835.1	3881.7	3958.1	4087.9	4298.7	4572.4	4932.7	5381.4	5848.0
19°	3838.1	3826.0	3849.9	3898.7	3976.0	4110.2	4331.5	4623.0	5010.3	5495.3	5992.9
20°	3852.0	3838.7	3865.5	3917.5	3995.6	4135.4	4367.8	4675.5	5091.2	5610.8	6140.5
21°	3865.3	3851.4	3882.6	3938.2	4018.0	4162.7	4404.9	4729.7	5175.5	5728.8	6283.3
22°	3879.8	3864.6	3899.9	3959.1	4041.1	4191.6	4443.3	4782.9	5258.9	5844.8	6423.3
23°	3895.7	3880.5	3918.0	3981.9	4065.4	4221.8	4481.7	4836.5	5345.2	5962.3	6559.8
24°	3914.2	3899.2	3937.6	4005.7	4089.3	4253.6	4521.4	4889.6	5430.4	6077.2	6691.2
25°	3934.3	3919.9	3959.8	4031.4	4113.7	4286.5	4559.7	4944.7	5517.0	6190.7	6818.8
26°	3956.5	3944.1	3984.4	4056.7	4138.8	4318.6	4599.2	4998.6	5604.5	6298.9	6943.7
27°	3981.7	3971.5	4011.1	4081.3	4164.5	4351.4	4638.5	5055.7	5691.9	6408.1	7071.3
28°	4009.0	4001.5	4040.7	4106.1	4192.1	4384.9	4679.4	5116.1	5781.7	6514.3	7201.4
29°	4038.8	4034.0	4071.5	4132.5	4220.2	4417.6	4722.1	5178.8	5874.6	6622.6	7326.4
30°	4069.5	4069.7	4102.3	4158.7	4249.4	4450.8	4766.4	5244.8	5968.5	6735.4	7450.1
31°	4100.0	4105.2	4133.0	4185.7	4279.6	4483.4	4811.1	5314.1	6067.2	6853.4	7582.7
32°	4131.4	4144.5	4164.4	4212.8	4309.6	4516.6	4854.4	5382.8	6167.5	6968.7	7698.1
33°	4163.6	4184.1	4196.1	4240.8	4340.0	4548.6	4898.2	5456.6	6271.8	7080.3	7809.0
34°	4196.3	4222.5	4227.6	4268.7	4369.5	4578.7	4943.1	5530.5	6369.7	7184.1	7898.7
35°	4229.3	4263.3	4260.2	4299.0	4399.7	4609.8	4988.9	5604.3	6461.8	7275.7	7961.5
36°	4263.0	4305.7	4293.4	4331.9	4430.4	4642.6	5033.5	5674.7	6549.6	7347.5	7988.5
37°	4297.7	4346.7	4325.5	4369.4	4464.6	4676.2	5074.9	5748.6	6624.6	7390.5	7991.0
38°	4329.7	4387.0	4356.3	4409.1	4504.1	4711.4	5116.5	5817.5	6681.6	7411.0	7975.6
39°	4361.0	4429.9	4386.9	4451.5	4546.6	4748.7	5154.5	5879.0	6722.6	7423.8	7959.6
40°	4394.1	4472.7	4419.0	4494.1	4591.0	4786.0	5195.3	5933.3	6751.5	7437.3	7955.8
41°	4427.9	4512.0	4453.8	4536.9	4638.3	4826.3	5234.6	5982.8	6778.4	7457.1	7967.9
42°	4462.4	4551.8	4490.5	4578.8	4688.5	4868.3	5277.8	6028.9	6814.9	7483.4	7992.9
43°	4497.9	4589.7	4528.1	4619.7	4739.3	4912.2	5327.0	6075.7	6864.3	7515.5	8021.8
44°	4533.9	4627.2	4567.5	4661.1	4788.6	4962.0	5378.9	6121.2	6918.8	7555.8	8048.7



REPORT NUMBER: P1436829

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

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4571.8	4664.2	4606.9	4702.1	4838.1	5014.1	5430.9	6165.0	6970.7	7602.0	8071.8
46°	4611.2	4699.8	4649.2	4743.6	4886.5	5069.1	5481.2	6209.1	7021.3	7652.0	8091.0
47°	4654.5	4737.2	4693.3	4784.5	4934.9	5127.3	5535.6	6254.6	7071.9	7701.3	8104.5
48°	4702.0	4769.3	4740.5	4825.6	4981.9	5187.8	5596.1	6294.5	7126.4	7746.2	8113.4
49°	4752.1	4801.7	4789.5	4869.3	5029.8	5246.3	5656.5	6331.0	7180.9	7787.2	8120.5
50°	4801.3	4833.9	4841.3	4915.9	5078.5	5303.4	5716.8	6363.7	7230.9	7823.1	8123.7
51°	4852.3	4868.7	4892.3	4965.0	5127.8	5357.5	5776.2	6394.2	7278.3	7855.8	8123.7
52°	4904.3	4901.3	4945.7	5017.6	5180.1	5411.4	5833.2	6425.9	7320.6	7885.3	8121.1
53°	4956.5	4931.9	4998.0	5072.9	5233.5	5467.3	5885.5	6454.1	7358.4	7911.5	8116.6
54°	5008.3	4961.3	5048.4	5129.7	5290.2	5524.4	5933.0	6481.0	7390.5	7933.3	8107.0
55°	5055.1	4991.8	5093.3	5189.5	5351.3	5584.2	5976.4	6502.8	7416.7	7948.1	8092.9
56°	5095.6	5021.5	5133.1	5249.2	5415.9	5645.4	6016.1	6522.7	7436.0	7960.3	8070.5
57°	5129.4	5050.8	5170.3	5309.9	5484.6	5705.3	6052.3	6540.6	7444.9	7964.7	8041.0
58°	5162.4	5079.1	5203.6	5364.1	5557.8	5765.2	6085.2	6552.1	7450.1	7958.3	7997.4
59°	5193.4	5107.1	5234.6	5414.1	5632.9	5824.8	6112.8	6555.4	7446.9	7944.2	7950.0
60°	5222.5	5131.3	5261.4	5465.5	5710.2	5882.3	6133.4	6551.5	7430.8	7924.4	7893.0
61°	5246.5	5153.7	5283.9	5522.0	5788.9	5939.6	6146.8	6547.0	7404.6	7896.8	7833.3
62°	5265.8	5177.0	5304.7	5578.8	5869.3	5999.4	6153.0	6537.4	7370.0	7855.1	7762.8
63°	5288.2	5198.7	5327.3	5628.3	5947.1	6058.1	6155.4	6514.3	7323.8	7800.7	7677.0
64°	5308.6	5221.0	5351.3	5674.0	6028.2	6113.4	6149.5	6479.1	7264.9	7732.1	7569.3
65°	5327.4	5225.1	5367.7	5720.7	6107.0	6166.0	6133.7	6418.8	7183.5	7646.8	7440.5
66°	5337.9	5197.8	5366.6	5769.6	6179.8	6213.0	6097.9	6323.7	7073.9	7541.1	7290.5
67°	5332.5	5167.0	5353.2	5810.0	6249.6	6241.7	6033.0	6195.7	6928.4	7419.3	7127.1
68°	5317.0	5112.8	5333.6	5842.8	6309.2	6245.3	5931.2	5987.6	6741.9	7267.4	6948.2
69°	5269.9	4971.8	5277.7	5860.0	6358.8	6225.5	5771.6	5660.8	6504.1	7082.8	6757.2
70°	5165.8	4733.0	5155.5	5861.4	6394.8	6177.8	5513.5	5199.9	6178.0	6863.0	6546.4
71°	4980.3	4370.3	4947.4	5839.6	6412.4	6086.3	5149.6	4666.0	5747.9	6595.7	6324.2
72°	4679.6	3925.0	4622.8	5786.8	6396.5	5953.1	4750.2	4189.5	5264.1	6299.4	6100.4
73°	4262.8	3468.0	4222.5	5702.2	6316.0	5752.3	4378.1	3760.5	4745.6	5935.9	5866.5
74°	3808.7	3010.2	3766.7	5540.5	6161.4	5513.5	4022.1	3271.6	4236.6	5514.2	5614.2
75°	3336.9	2437.3	3277.7	5282.6	5940.1	5263.4	3531.1	2516.7	3663.2	5043.4	5312.2
76°	2832.0	1834.9	2766.9	4976.5	5603.6	4993.9	2802.3	1569.8	2938.6	4547.9	4954.5
77°	2262.3	1436.5	2232.4	4619.4	5092.8	4632.4	1983.3	734.0	2029.0	3978.7	4456.7
78°	1888.6	1506.4	1915.9	4160.0	4397.0	4059.9	1164.2	536.2	1102.4	3291.2	3762.1
79°	1953.3	1899.9	2060.3	3562.8	3627.9	3188.5	347.2	358.4	490.1	2496.7	2945.0
80°	2347.5	2168.5	2441.7	2946.4	2872.8	2252.6	226.3	180.5	348.3	1573.8	2039.4
81°	2484.1	1681.8	2435.2	2403.8	2231.8	1316.7	186.2	155.0	207.7	749.9	1128.4
82°	1878.7	1195.0	1827.7	2180.2	1776.3	399.1	159.7	135.1	171.9	547.5	814.1
83°	1273.3	710.1	1220.0	1718.3	1320.7	267.9	133.3	115.7	145.5	355.2	516.3
84°	670.7	378.9	615.5	1256.5	867.1	219.8	107.0	96.1	120.7	162.8	218.4
85°	354.4	228.5	342.8	794.7	504.8	178.9	85.2	75.5	94.1	121.8	183.9
86°	283.9	80.0	274.6	442.1	355.5	138.0	65.7	56.7	70.6	93.0	148.1
87°	213.4	54.0	206.5	353.9	206.1	97.2	47.5	38.0	50.6	68.1	105.2
88°	142.8	27.9	138.3	265.7	58.0	73.8	32.8	19.2	30.8	43.4	57.5
89°	72.3	2.5	70.1	177.6	30.7	50.4	18.0	6.4	10.9	33.0	43.3



REPORT NUMBER: P1436829

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: P1436829

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: P1436829

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: P1436829

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

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	4098.1	4098.1	4098.1
1°	4147.0	4154.6	4157.5
2°	4208.5	4222.3	4226.4
3°	4277.4	4298.1	4304.5
4°	4353.3	4382.5	4391.9
5°	4435.8	4475.6	4488.3
6°	4526.8	4578.2	4595.2
7°	4625.1	4689.4	4710.5
8°	4730.0	4807.9	4833.4
9°	4844.2	4937.9	4969.4
10°	4967.4	5080.5	5116.4
11°	5100.1	5232.6	5275.5
12°	5241.7	5394.3	5446.6
13°	5395.6	5569.8	5631.1
14°	5553.5	5753.8	5825.9
15°	5719.3	5945.6	6028.4
16°	5894.6	6145.5	6236.9
17°	6075.8	6344.5	6442.5
18°	6255.2	6546.4	6645.7
19°	6429.1	6737.4	6843.8
20°	6598.9	6921.3	7036.7
21°	6763.6	7095.0	7217.4
22°	6920.7	7261.6	7388.5
23°	7070.7	7426.4	7546.9
24°	7217.4	7584.7	7700.0
25°	7363.6	7737.2	7846.2
26°	7508.4	7876.3	7969.9
27°	7648.8	7998.7	8083.3
28°	7774.4	8105.1	8185.2
29°	7893.6	8215.3	8294.2
30°	8014.1	8336.5	8423.6
31°	8133.9	8448.6	8532.0
32°	8246.7	8530.7	8612.7
33°	8328.1	8571.0	8644.1
34°	8371.1	8563.4	8626.2
35°	8371.7	8512.7	8564.6
36°	8343.5	8435.2	8483.2
37°	8291.0	8359.5	8414.7
38°	8243.5	8309.6	8382.6
39°	8219.8	8287.8	8371.1
40°	8211.5	8276.9	8367.2
41°	8209.6	8271.7	8364.0
42°	8209.6	8266.0	8354.4
43°	8210.2	8258.9	8335.8
44°	8210.2	8246.7	8306.3



REPORT NUMBER: P1436829

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

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	8208.3	8225.6	8267.3
46°	8204.4	8197.4	8219.2
47°	8196.1	8166.0	8167.3
48°	8183.9	8132.0	8112.1
49°	8162.8	8096.8	8055.1
50°	8137.1	8062.8	7993.6
51°	8104.5	8023.1	7923.7
52°	8066.6	7973.7	7845.5
53°	8026.9	7914.7	7759.0
54°	7985.9	7839.1	7661.6
55°	7939.1	7750.7	7553.3
56°	7882.7	7648.8	7430.2
57°	7812.8	7530.2	7291.1
58°	7727.0	7393.7	7136.7
59°	7632.1	7238.6	6971.9
60°	7523.1	7069.4	6774.5
61°	7396.2	6876.5	6529.7
62°	7257.8	6645.1	6238.4
63°	7111.7	6375.1	5911.4
64°	6949.5	6080.4	5587.7
65°	6768.1	5805.7	5306.7
66°	6572.7	5569.2	5083.7
67°	6379.1	5368.0	4940.9
68°	6186.8	5216.0	4867.8
69°	6019.8	5097.4	4804.3
70°	5873.4	4992.9	4624.6
71°	5721.8	4824.9	4267.8
72°	5548.9	4527.7	3792.1
73°	5384.9	4116.0	3315.7
74°	5176.1	3643.1	2874.9
75°	4865.8	3130.1	2234.1
76°	4455.2	2505.3	1366.4
77°	3980.6	1676.8	604.7
78°	3374.1	842.5	454.5
79°	2534.3	608.5	314.7
80°	1471.9	396.9	175.0
81°	703.9	185.3	152.6
82°	525.0	153.8	134.3
83°	350.6	134.2	116.5
84°	176.3	112.4	98.6
85°	128.7	90.3	80.2
86°	96.7	70.2	60.1
87°	70.9	51.9	43.6
88°	56.9	33.7	27.1
89°	43.3	15.4	10.6



REPORT NUMBER: P1436829

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: P1436829

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: P1436829

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

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)