

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: P1436815

Luminaire Tested: XAS300-SFPM (4000K-300W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436815  
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 (4000K-300W-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 100% (300W)  
OPTICS - TYPE 4  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

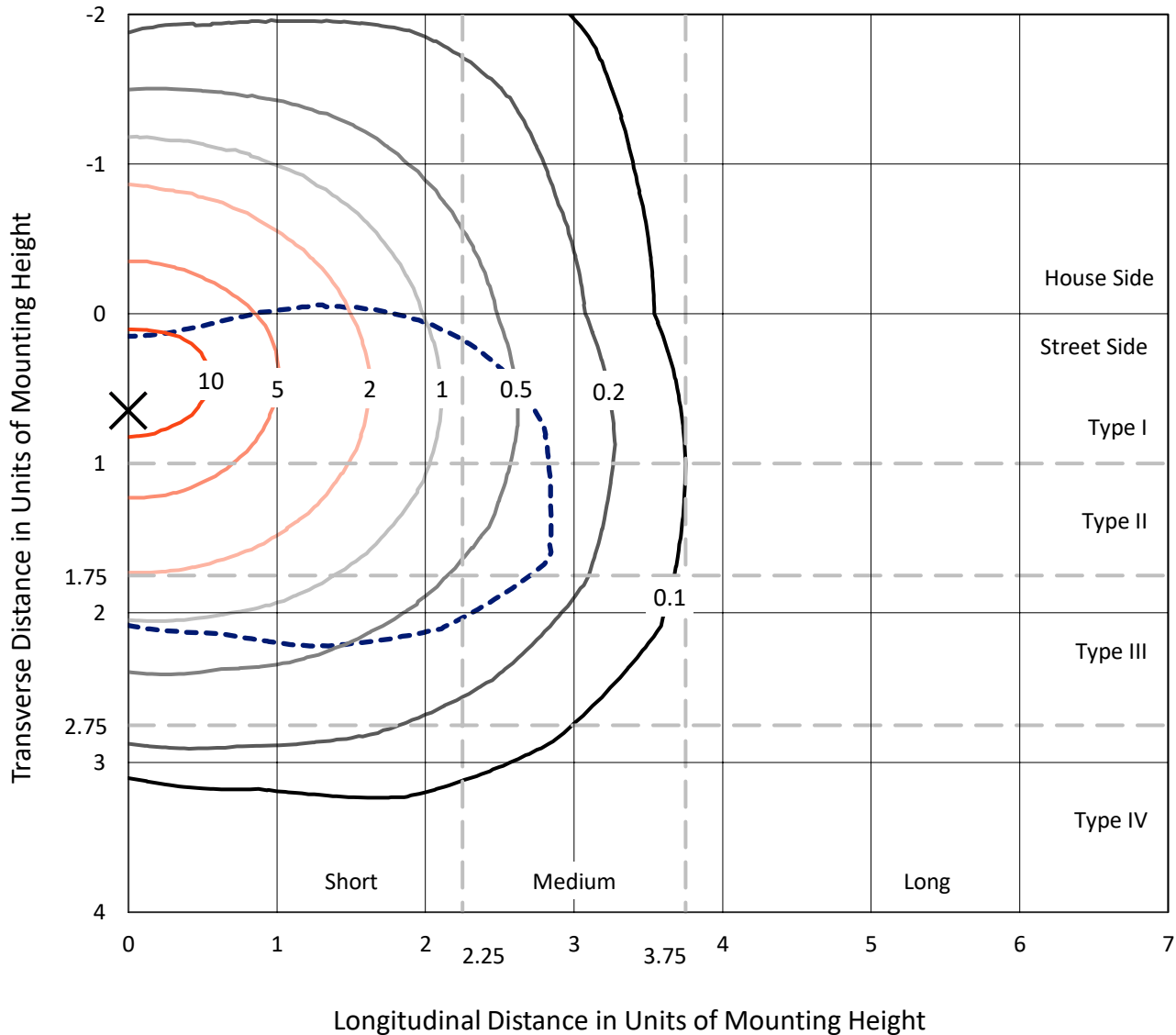
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 45862.5 lumens  
Efficiency: 119.5%  
Efficacy: 163.7 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 280.1  
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

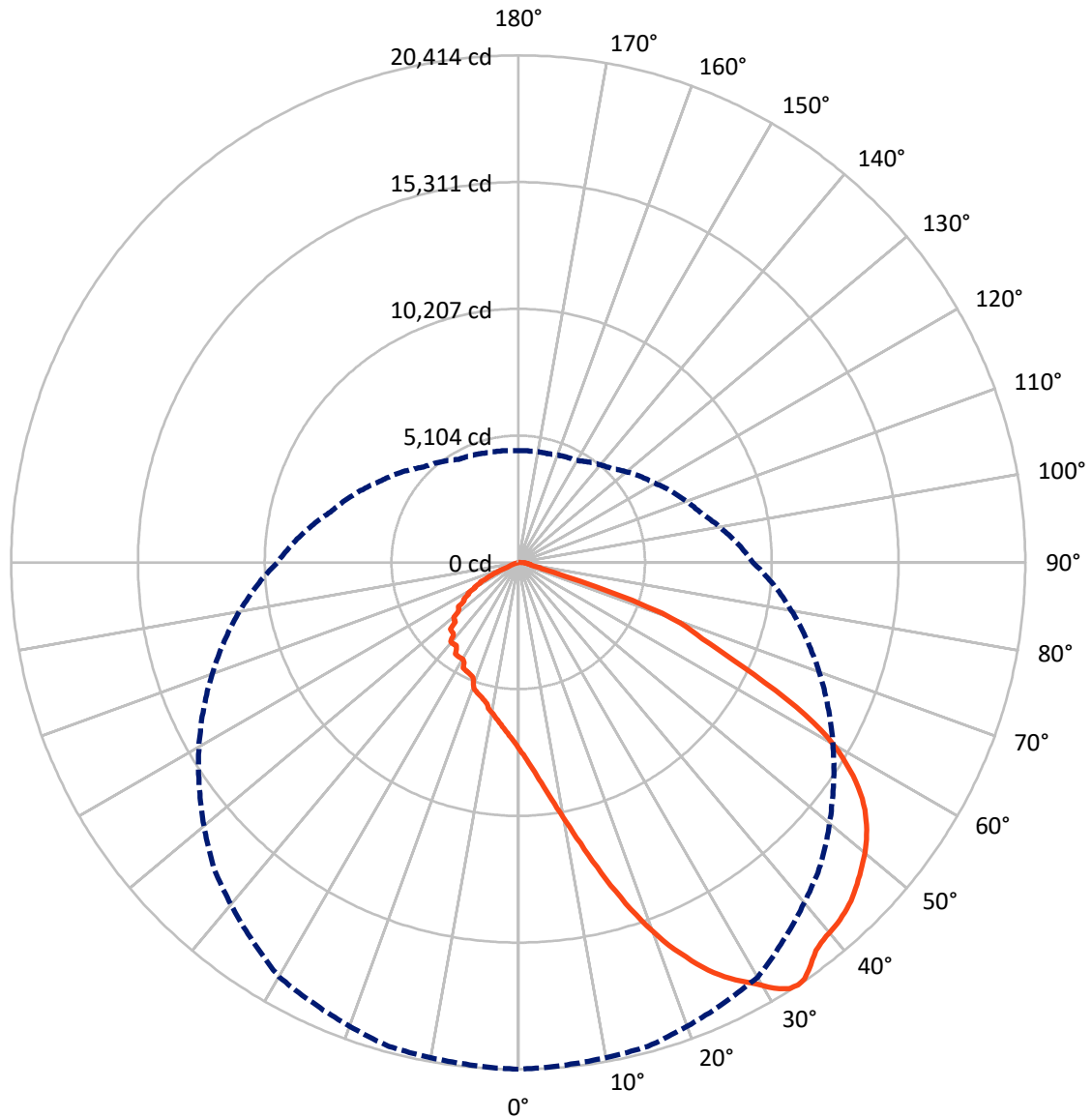
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 15 fc  
 Type III - 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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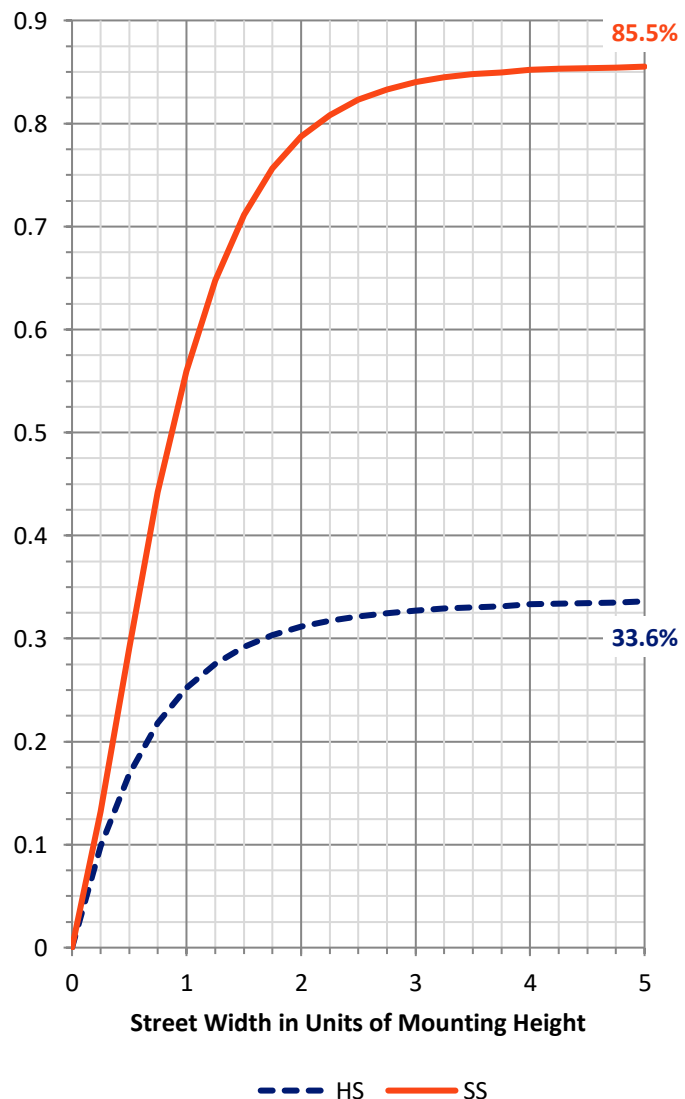
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12985.6	0.0	12985.6
	% Lamp	33.8	0.0	33.8
<b>Street Side</b>	Lumens	32877.0	0.0	32877.0
	% Lamp	85.7	0.0	85.7
<b>Total</b>	Lumens	45862.5	0.0	45862.5
	% Lamp	119.5	0.0	119.5

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	748.1	1.6	1.9
10°-20°	2519.2	5.5	6.6
20°-30°	4779.2	10.4	12.5
30°-40°	7041.2	15.4	18.3
40°-50°	8581.9	18.7	22.4
50°-60°	9387.5	20.5	24.5
60°-70°	8305.9	18.1	21.6
70°-80°	4114.6	9.0	10.7
80°-90°	385.0	0.8	1.0
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°	45862.5	100.0	119.5
0°-180°	45862.5	100.0	119.5

**Coefficient of Utilization**



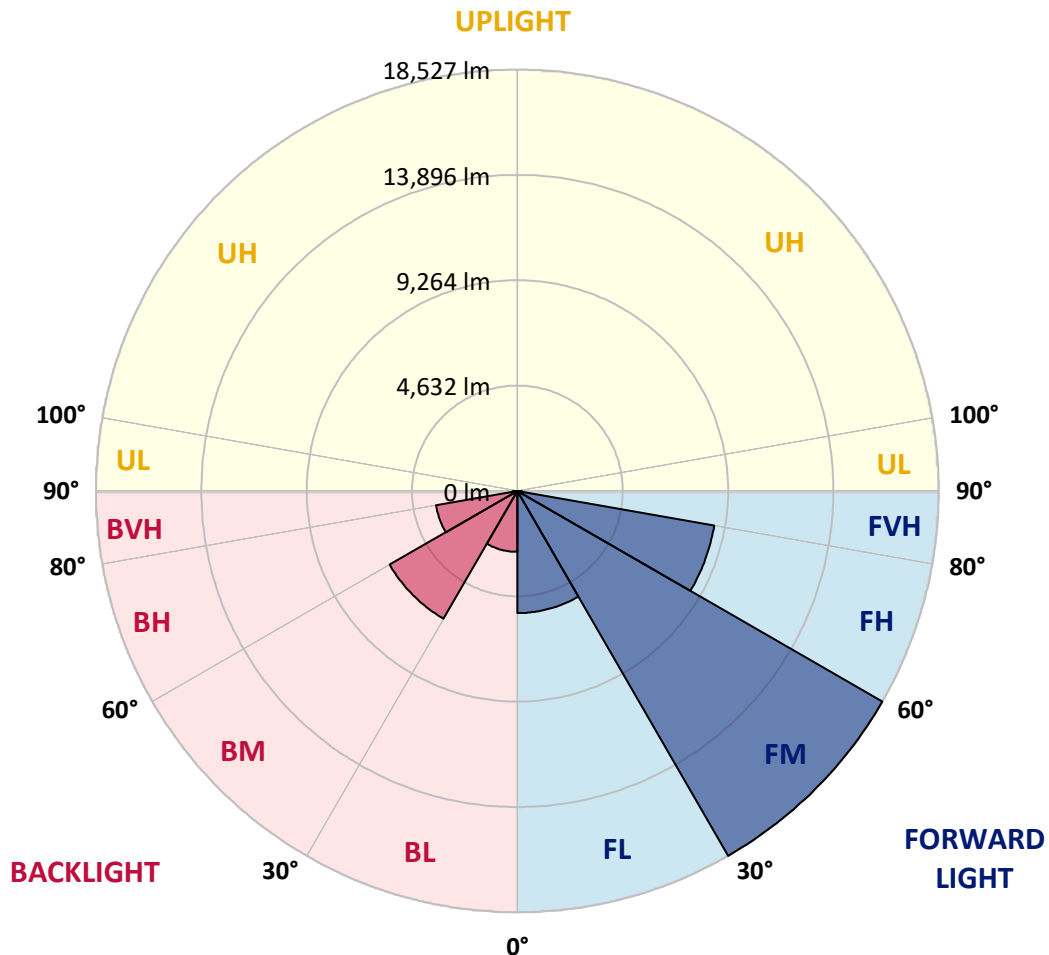
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5367.5	14.0			
FM (30°-60°)	18527.5	48.3			
FH (60°-80°)	8786.6	22.9			G4/12000
FVH (80°-90°)	195.4	0.5			G2/225
BL (0°-30°)	2679.0	7.0	B4/5000		
BM (30°-60°)	6483.1	16.9	B4/8500		
BH (60°-80°)	3633.8	9.5	B4/5000		G4/5000
BVH (80°-90°)	189.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	-7486.5	-19.5			

**BUG Rating: B4-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2
1°	7744.1	7741.8	7723.6	7696.1	7658.3	7611.1	7538.3	7489.5	7443.7	7407.9	7381.2
2°	7964.9	7952.4	7908.9	7844.2	7760.1	7664.4	7538.9	7441.7	7354.5	7283.5	7231.1
3°	8203.9	8182.2	8111.2	8007.7	7871.8	7722.6	7546.3	7402.5	7275.7	7172.0	7095.6
4°	8473.2	8436.7	8336.9	8187.8	7998.4	7795.7	7563.5	7372.9	7203.4	7066.6	6971.1
5°	8767.4	8722.4	8583.8	8382.0	8140.7	7877.8	7590.3	7352.6	7140.2	6975.9	6855.5
6°	9090.1	9029.6	8857.0	8600.9	8292.5	7965.8	7618.3	7335.7	7085.2	6890.0	6743.1
7°	9436.4	9365.1	9151.4	8832.3	8455.1	8058.4	7651.7	7321.4	7034.7	6804.9	6639.8
8°	9809.5	9721.4	9466.8	9087.1	8629.4	8158.0	7689.5	7311.3	6987.4	6727.3	6546.4
9°	10211.2	10103.6	9807.6	9355.3	8817.0	8266.4	7733.6	7302.3	6939.9	6658.2	6457.5
10°	10638.4	10514.1	10163.9	9644.0	9013.7	8381.4	7778.6	7297.8	6892.3	6594.7	6373.7
11°	11098.5	10956.5	10555.5	9948.9	9223.8	8507.5	7829.8	7297.8	6850.6	6533.8	6295.8
12°	11591.4	11423.1	10966.7	10268.2	9444.1	8638.3	7866.6	7283.3	6815.5	6472.3	6226.2
13°	12120.4	11923.0	11392.6	10608.8	9683.1	8749.7	7901.9	7264.5	6764.6	6415.2	6159.9
14°	12666.6	12452.7	11843.9	10965.6	9930.9	8868.6	7951.9	7254.2	6717.3	6364.7	6063.2
15°	13236.6	12989.2	12312.8	11335.5	10162.2	8998.5	8006.3	7251.1	6672.1	6299.5	5932.8
16°	13818.6	13542.6	12790.9	11714.8	10408.4	9136.8	8078.8	7266.4	6635.8	6239.5	5872.1
17°	14403.0	14093.5	13279.6	12100.1	10658.6	9289.3	8142.0	7270.0	6611.5	6152.5	5825.6
18°	14969.5	14642.0	13758.9	12486.1	10906.5	9450.6	8213.9	7282.9	6580.4	6053.9	5783.4
19°	15527.6	15177.4	14235.7	12854.2	11173.2	9603.6	8297.9	7315.5	6562.9	6001.9	5747.9
20°	16063.0	15690.1	14697.0	13205.6	11433.3	9769.0	8390.5	7350.3	6557.5	5960.7	5709.9
21°	16569.7	16186.1	15136.8	13567.7	11708.5	9940.9	8484.9	7378.1	6557.0	5926.2	5666.0
22°	17034.6	16652.1	15558.7	13899.9	11962.7	10127.6	8563.2	7376.0	6539.6	5905.5	5617.0
23°	17486.3	17105.1	15974.5	14222.6	12230.4	10318.1	8608.3	7384.1	6503.6	5891.7	5574.5
24°	17904.6	17535.3	16373.7	14538.1	12492.1	10490.6	8668.2	7417.6	6462.5	5863.6	5363.0
25°	18306.1	17938.0	16759.7	14859.5	12745.5	10648.6	8754.5	7433.5	6435.3	5839.0	5202.6
26°	18646.7	18302.5	17137.3	15160.7	13007.2	10785.3	8844.1	7444.1	6406.7	5817.0	5167.4
27°	18945.5	18622.8	17495.9	15455.9	13267.7	10940.2	8901.4	7476.4	6410.6	5788.6	5142.9
28°	19219.2	18909.6	17828.1	15740.3	13525.8	11120.7	8984.9	7511.6	6416.7	5743.0	5117.1
29°	19509.6	19194.1	18122.1	16014.0	13761.3	11320.0	9085.4	7543.5	6411.7	5551.6	5081.6
30°	19852.5	19523.9	18424.4	16296.0	13984.7	11493.1	9196.4	7546.8	6383.0	5425.6	5046.0
31°	20133.4	19820.3	18741.1	16601.9	14171.2	11661.9	9301.7	7557.4	6379.4	5377.9	5022.9
32°	20342.5	20053.3	19035.1	16919.8	14380.3	11831.6	9383.9	7591.1	6383.6	5347.0	4994.9
33°	20414.2	20175.2	19283.7	17222.2	14631.3	12021.2	9458.9	7628.0	6363.8	5333.7	4729.5
34°	20346.1	20145.3	19419.9	17494.7	14885.8	12230.4	9555.7	7647.4	6357.4	5328.9	4674.9
35°	20157.3	19991.2	19400.8	17689.5	15126.0	12441.9	9671.2	7678.6	6362.8	5324.2	4652.5
36°	19914.7	19778.5	19269.4	17805.4	15342.3	12642.7	9786.2	7733.6	6356.6	5304.6	4640.7
37°	19698.4	19544.2	19088.9	17807.8	15473.8	12796.8	9868.2	7763.7	6350.1	5283.8	4647.4
38°	19578.9	19388.9	18909.6	17737.3	15546.7	12930.7	9949.5	7789.2	6325.6	5236.4	4651.2
39°	19509.6	19307.6	18785.3	17652.4	15556.3	13039.4	10068.4	7817.1	6159.0	5055.8	4641.3
40°	19458.2	19252.6	18716.0	17589.1	15521.6	13104.0	10175.2	7839.7	6070.7	5066.5	4588.2
41°	19398.4	19208.4	18671.8	17552.0	15513.2	13141.0	10250.3	7877.9	6098.6	5100.5	4405.9
42°	19321.9	19160.6	18631.2	17522.2	15537.1	13174.5	10296.0	7889.2	6136.0	5111.7	4413.0
43°	19225.1	19102.0	18588.2	17510.2	15569.4	13216.3	10321.1	7916.4	6142.8	5109.5	4404.9
44°	19106.8	19030.3	18538.0	17512.6	15611.2	13252.2	10332.7	7927.6	6123.2	5129.3	4362.0



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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	18964.6	18939.5	18473.4	17510.2	15660.2	13304.7	10357.3	7973.2	6146.3	5146.3	4332.3
46°	18808.1	18827.2	18398.1	17489.9	15698.5	13375.3	10390.7	7971.1	6177.7	5096.4	4189.2
47°	18643.1	18710.1	18310.9	17461.2	15729.5	13451.7	10403.5	7884.9	6173.9	4885.3	4022.7
48°	18472.2	18582.2	18212.9	17437.3	15761.8	13518.7	10457.7	7882.2	6194.2	4860.7	4021.4
49°	18302.5	18444.8	18098.2	17399.1	15798.9	13570.1	10519.1	7917.5	6099.2	4872.9	4007.3
50°	18122.1	18301.3	17973.9	17334.5	15815.6	13614.3	10575.1	7955.2	5977.6	4867.9	3988.9
51°	17917.7	18135.2	17834.1	17258.0	15837.1	13653.7	10622.5	7958.5	5981.9	4842.0	3769.3
52°	17685.9	17944.0	17678.7	17172.0	15863.4	13674.0	10639.5	7978.4	5954.8	4731.4	3720.5
53°	17428.9	17726.5	17511.4	17081.2	15871.8	13680.0	10572.7	8013.9	5992.5	4590.3	3735.8
54°	17135.0	17462.4	17328.6	16976.0	15853.8	13690.8	10498.7	7976.6	6010.7	4598.5	3745.5
55°	16800.3	17155.3	17133.8	16849.3	15809.6	13680.0	10473.1	7969.2	6010.5	4592.8	3609.4
56°	16411.9	16797.9	16909.1	16704.7	15749.9	13647.7	10458.3	7951.3	5983.1	4561.6	3506.5
57°	15974.5	16391.6	16648.6	16547.0	15680.5	13616.7	10436.2	7935.0	5901.6	4349.6	3508.6
58°	15482.2	15932.7	16343.8	16376.1	15592.1	13598.7	10368.2	7860.5	5860.6	4388.4	3428.1
59°	14944.4	15427.2	16015.2	16180.1	15495.3	13567.7	10310.8	7784.3	5862.9	4444.4	3261.0
60°	14325.3	14870.3	15633.9	15956.6	15373.4	13518.7	10241.5	7756.9	5859.7	4490.1	3268.9
61°	13548.5	14219.0	15213.3	15690.1	15218.1	13436.2	10159.3	7686.2	5834.9	4340.3	3106.6
62°	12625.9	13451.7	14731.7	15380.6	15042.4	13323.9	10024.4	7616.8	5766.0	4324.7	3073.6
63°	11578.6	12576.9	14190.3	15023.3	14836.8	13148.2	9872.9	7523.6	5774.0	4341.6	3006.4
64°	10510.1	11643.5	13572.4	14631.3	14595.4	12914.0	9687.0	7402.9	5737.3	4257.1	2880.8
65°	9537.6	10720.6	12897.2	14197.5	14326.5	12635.5	9507.9	7326.5	5606.7	4266.5	2777.1
66°	8694.8	9821.3	12175.4	13696.7	14013.4	12385.7	9275.7	7199.2	5593.1	4193.3	2730.4
67°	8032.0	9003.9	11441.9	13150.6	13657.3	12103.7	9007.5	7043.8	5641.6	4183.4	2578.7
68°	7499.3	8293.0	10706.4	12533.9	13245.0	11763.2	8612.3	6850.3	5690.0	4191.5	2468.3
69°	6969.3	7681.3	9960.0	11867.4	12752.6	11354.7	8220.4	6614.8	5637.8	4175.2	2357.9
70°	6143.9	7051.0	9223.2	11176.1	12194.5	10832.4	7616.7	6276.2	5508.8	4192.8	2248.6
71°	4833.6	6231.3	8504.9	10472.2	11587.8	10157.3	6819.4	5812.1	5408.4	4183.8	2210.0
72°	3285.6	5097.0	7781.1	9771.2	10932.6	9405.6	6038.2	5322.3	5298.6	4276.9	2194.9
73°	1920.5	3721.3	6996.3	9058.5	10220.5	8495.1	5307.1	4889.9	5079.2	4237.5	2127.5
74°	1084.5	2381.1	6136.3	8332.3	9416.1	7506.0	4632.8	4530.9	4851.9	4226.1	2136.6
75°	904.6	1399.7	5177.5	7536.7	8530.0	6435.0	3829.1	4156.7	4646.9	4190.5	2092.8
76°	747.6	1135.2	4109.9	6621.2	7512.2	5295.7	2692.9	3620.4	4474.6	4089.3	1988.0
77°	590.6	875.4	3099.3	5480.7	6367.3	3928.4	1559.7	2708.6	4314.9	3879.4	1829.7
78°	527.6	615.5	2322.7	4078.9	5079.8	2503.3	721.0	1797.0	4183.1	3539.2	1620.3
79°	485.3	542.9	1698.8	2598.4	3786.9	1311.1	359.8	889.1	3792.9	2959.5	1404.3
80°	447.2	487.4	1224.0	1407.0	2537.6	989.1	309.7	662.2	2812.6	2379.6	1234.2
81°	411.3	438.3	979.3	1095.7	1435.4	669.6	259.6	435.2	1832.4	1803.5	1260.8
82°	377.0	396.0	737.7	814.0	1064.6	349.9	209.6	211.4	859.1	1477.2	1184.4
83°	342.4	359.4	496.1	532.3	703.6	289.7	179.2	167.8	645.4	1260.3	948.3
84°	306.3	321.0	419.1	467.3	342.6	247.1	149.5	131.7	431.8	997.3	652.5
85°	270.4	282.3	334.0	407.4	269.6	204.2	120.7	102.1	218.8	710.0	431.1
86°	233.1	244.7	262.3	347.2	215.7	160.2	92.7	77.3	183.7	569.0	306.2
87°	194.5	208.9	216.4	279.6	169.5	120.5	66.1	56.8	143.7	428.1	181.5
88°	159.5	173.0	173.4	200.1	129.3	90.6	46.7	40.5	93.9	287.1	110.6
89°	131.5	137.0	131.2	117.8	99.3	61.0	27.2	24.2	64.8	146.1	75.5



REPORT NUMBER: P1436815

CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815

CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815  
CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2	7549.2
1°	7367.0	7364.5	7377.1	7402.2	7435.3	7479.4	7526.0	7554.2	7599.5	7643.8	7683.4
2°	7202.6	7195.4	7215.0	7258.3	7319.9	7400.5	7490.8	7570.4	7663.9	7757.9	7840.9
3°	7051.5	7040.3	7064.3	7122.5	7211.2	7327.1	7461.8	7590.4	7734.9	7879.4	8012.0
4°	6913.3	6897.7	6928.3	6998.2	7111.0	7260.3	7436.2	7618.3	7815.1	8013.0	8196.0
5°	6782.6	6763.3	6798.4	6883.5	7018.4	7199.1	7415.9	7648.0	7897.0	8157.9	8399.2
6°	6658.0	6635.5	6673.4	6769.5	6929.3	7141.0	7400.0	7683.1	7986.0	8309.1	8616.5
7°	6541.2	6516.3	6557.5	6665.5	6839.9	7087.3	7386.5	7721.5	8082.6	8473.8	8847.0
8°	6434.5	6403.1	6449.2	6572.2	6761.0	7034.1	7374.9	7760.9	8184.9	8647.8	9093.2
9°	6329.6	6291.8	6343.4	6480.0	6690.7	6981.0	7363.7	7804.8	8291.9	8832.1	9359.2
10°	6230.5	6189.8	6245.0	6390.5	6623.1	6930.7	7358.2	7852.6	8406.1	9026.0	9640.9
11°	6143.2	6098.1	6152.2	6308.9	6557.2	6888.2	7356.9	7910.4	8528.9	9233.7	9942.4
12°	6065.0	5999.5	6067.4	6233.4	6495.3	6854.6	7338.9	7947.5	8659.4	9452.1	10259.5
13°	5919.2	5820.0	5922.8	6161.6	6433.9	6801.6	7329.1	7994.2	8770.5	9688.5	10598.4
14°	5804.0	5744.2	5805.1	6065.8	6380.5	6756.7	7319.1	8036.6	8890.5	9927.3	10950.2
15°	5743.5	5678.7	5740.3	5925.8	6314.9	6715.8	7319.6	8095.2	9015.2	10156.8	11325.7
16°	5686.2	5618.3	5681.3	5867.4	6258.5	6686.3	7325.6	8168.2	9154.0	10400.8	11708.7
17°	5636.0	5561.9	5631.1	5820.0	6185.9	6655.4	7337.5	8233.8	9316.0	10652.2	12107.3
18°	5581.7	5498.5	5575.7	5778.5	6090.1	6632.9	7358.1	8309.0	9460.3	10917.9	12489.7
19°	5527.2	5438.5	5522.9	5746.1	6028.1	6627.0	7393.1	8403.3	9623.9	11186.0	12863.8
20°	5472.4	5372.3	5472.8	5708.6	5989.9	6630.1	7429.8	8502.0	9788.5	11468.6	13237.8
21°	5410.3	5144.9	5417.3	5663.6	5965.2	6630.4	7455.1	8590.4	9974.3	11744.1	13592.8
22°	5131.5	4978.0	5154.6	5621.0	5950.4	6616.3	7462.6	8668.7	10165.5	12021.2	13932.2
23°	5023.1	4931.6	5045.8	5587.8	5936.9	6592.4	7487.2	8725.9	10351.1	12299.7	14270.4
24°	4983.3	4899.3	5010.8	5377.7	5911.5	6569.4	7531.9	8799.7	10523.6	12573.4	14603.8
25°	4958.0	4872.6	4986.6	5236.6	5887.3	6549.8	7550.7	8900.4	10676.4	12849.4	14913.3
26°	4934.2	4844.3	4965.6	5214.6	5872.8	6518.3	7577.1	8987.4	10834.6	13121.9	15228.8
27°	4908.4	4823.7	4943.3	5195.8	5840.4	6531.9	7619.9	9063.3	11010.7	13393.2	15533.6
28°	4889.4	4798.7	4926.1	5168.5	5801.4	6541.8	7662.6	9159.9	11213.1	13646.5	15841.9
29°	4867.1	4587.9	4905.9	5135.7	5616.6	6524.3	7689.8	9274.6	11417.0	13893.9	16140.7
30°	4625.5	4501.4	4660.7	5107.9	5494.7	6500.0	7696.9	9392.2	11590.9	14123.4	16444.2
31°	4556.0	4492.0	4593.5	5083.5	5446.4	6499.6	7727.6	9500.0	11793.0	14351.6	16768.1
32°	4543.5	4492.4	4581.4	5054.6	5424.8	6505.1	7774.2	9588.1	12011.7	14597.8	17064.4
33°	4535.8	4490.5	4575.0	4789.1	5418.5	6482.8	7824.7	9700.2	12249.5	14845.2	17353.7
34°	4526.8	4481.2	4564.8	4735.5	5415.1	6480.8	7846.2	9832.6	12462.2	15095.0	17596.3
35°	4511.0	4472.2	4549.0	4712.8	5410.1	6481.1	7893.5	9963.2	12649.8	15329.2	17757.6
36°	4493.5	4302.3	4529.2	4704.3	5387.4	6473.7	7949.5	10088.7	12813.6	15486.9	17814.9
37°	4316.1	4181.0	4329.0	4711.7	5369.0	6463.1	7985.8	10174.3	12948.6	15573.0	17794.6
38°	4173.1	4183.7	4209.0	4712.4	5313.2	6441.2	8016.8	10265.9	13052.6	15594.5	17712.2
39°	4163.3	4195.7	4198.1	4711.2	5138.8	6281.4	8024.9	10363.7	13124.3	15575.4	17617.8
40°	4160.9	4200.9	4190.2	4645.8	5167.7	6199.7	8034.4	10427.8	13167.3	15564.6	17552.0
41°	4139.1	4181.6	4164.7	4481.4	5203.9	6224.8	8043.2	10473.7	13188.8	15575.4	17513.8
42°	4093.7	3950.6	4119.3	4487.9	5201.3	6257.0	8054.6	10515.0	13227.1	15598.1	17506.6
43°	3866.1	3871.7	3896.3	4469.9	5206.8	6237.0	8079.6	10549.4	13267.7	15630.4	17522.2
44°	3776.1	3865.7	3816.1	4427.6	5223.3	6224.8	8104.5	10573.6	13323.9	15667.4	17529.3



REPORT NUMBER: P1436815

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3768.5	3852.7	3809.8	4399.2	5240.0	6248.8	8147.9	10613.9	13389.6	15703.3	17524.5
46°	3755.4	3828.5	3792.9	4224.2	5163.7	6289.2	8116.9	10640.8	13457.7	15749.9	17519.8
47°	3720.7	3497.3	3764.6	4105.4	4972.7	6295.3	8038.7	10665.2	13515.1	15802.4	17504.2
48°	3433.1	3465.7	3480.4	4105.0	4957.9	6317.8	8052.3	10721.4	13564.1	15844.3	17474.4
49°	3416.5	3440.4	3474.4	4083.1	4971.3	6195.7	8091.1	10771.3	13615.5	15876.5	17420.6
50°	3413.7	3415.5	3475.3	4072.1	4958.8	6116.9	8122.2	10813.6	13660.9	15908.8	17351.3
51°	3410.0	3144.1	3475.9	3840.8	4937.9	6123.6	8126.6	10846.8	13684.8	15925.5	17279.6
52°	3202.6	3047.7	3254.7	3809.7	4772.0	6110.6	8145.5	10843.9	13693.1	15927.9	17203.1
53°	3137.9	3028.1	3199.4	3828.3	4696.3	6151.8	8168.8	10753.9	13702.7	15911.2	17109.9
54°	3119.3	2988.5	3179.8	3845.3	4708.0	6156.2	8138.0	10671.8	13688.4	15869.4	17002.3
55°	3078.5	2671.0	3123.3	3675.2	4707.3	6157.6	8130.8	10641.5	13651.3	15812.0	16888.8
56°	2820.1	2669.2	2881.1	3607.9	4674.8	6149.0	8102.8	10621.0	13608.3	15751.1	16753.7
57°	2825.3	2513.8	2889.9	3609.4	4488.5	6042.8	8083.0	10590.6	13577.2	15672.2	16588.8
58°	2648.6	2360.5	2697.2	3492.2	4539.0	6027.9	7972.2	10514.6	13537.8	15575.4	16390.4
59°	2545.4	2366.8	2613.5	3378.6	4601.0	6028.5	7927.5	10441.8	13485.2	15461.9	16162.2
60°	2457.1	2023.9	2528.4	3398.9	4642.0	6019.9	7862.5	10348.0	13403.9	15320.8	15911.2
61°	2368.6	2028.3	2443.3	3221.0	4497.9	5976.3	7781.0	10270.0	13300.0	15161.9	15638.7
62°	2274.2	1719.4	2354.2	3206.4	4491.3	5904.9	7689.6	10139.5	13127.9	14968.3	15335.2
63°	1978.4	1707.3	2055.3	3116.4	4480.3	5899.8	7582.1	9982.3	12905.6	14741.2	14987.4
64°	1959.3	1333.9	2014.7	3020.5	4425.2	5842.4	7465.4	9785.6	12634.3	14481.9	14587.1
65°	1662.0	1181.8	1727.2	2900.4	4442.7	5697.3	7348.4	9589.5	12379.8	14186.7	14129.3
66°	1444.2	956.5	1488.3	2880.8	4369.9	5718.8	7204.9	9304.0	12094.1	13853.3	13627.4
67°	1314.1	637.0	1300.5	2729.7	4358.2	5754.6	7020.3	8994.4	11761.8	13479.2	13070.5
68°	1039.5	317.5	1072.8	2606.6	4346.1	5775.2	6789.0	8532.9	11381.2	13045.4	12487.3
69°	691.2	0.7	721.9	2483.6	4330.5	5654.4	6518.0	8028.0	10906.7	12555.4	11857.5
70°	669.5	0.6	694.6	2363.3	4351.3	5495.8	6102.4	7291.9	10331.0	11996.1	11172.9
71°	668.2	0.6	670.2	2329.0	4330.7	5347.2	5567.8	6436.7	9583.6	11382.7	10436.1
72°	635.8	0.6	620.3	2299.9	4414.2	5194.7	5067.3	5650.9	8779.2	10719.1	9712.0
73°	571.5	0.6	530.2	2210.4	4343.4	4951.8	4686.7	4942.9	7803.8	9959.5	8970.7
74°	492.2	0.6	420.5	2176.6	4243.3	4728.8	4350.1	4194.7	6764.2	9085.7	8216.5
75°	394.9	0.6	347.4	2087.4	4140.9	4558.1	3835.5	3185.3	5680.7	8097.7	7384.8
76°	296.8	0.6	321.2	1953.0	3921.4	4396.8	2906.7	1970.8	4482.2	7022.1	6465.6
77°	225.6	0.7	357.6	1777.2	3599.3	4227.9	1977.7	950.1	3093.7	5834.1	5295.5
78°	243.8	0.7	408.7	1570.3	3187.5	3869.4	1059.0	623.7	1755.0	4552.2	3797.0
79°	337.0	0.8	329.5	1399.9	2693.0	2922.6	442.9	315.2	1290.0	3304.4	2302.5
80°	353.7	1.0	250.3	1309.1	2198.5	1975.8	331.2	267.1	834.9	2136.7	1174.2
81°	283.5	1.1	171.2	1224.7	1710.5	1029.3	221.4	232.6	379.8	1167.0	941.9
82°	213.4	1.3	90.9	1044.6	1428.9	760.3	177.7	200.7	315.6	869.0	734.5
83°	143.5	1.5	47.9	674.6	1106.6	491.2	144.3	170.7	271.7	593.3	527.0
84°	83.5	1.7	38.1	486.5	725.3	223.7	117.0	141.2	231.1	317.5	462.8
85°	50.6	1.9	28.3	298.3	518.3	185.3	92.5	112.6	189.9	249.9	402.8
86°	39.0	2.2	18.7	115.1	311.4	148.5	70.4	84.5	148.1	198.7	341.0
87°	27.4	2.5	15.8	67.4	106.2	109.9	51.3	56.5	111.2	155.0	271.0
88°	15.8	2.8	12.9	46.7	72.9	75.6	36.3	33.1	80.5	117.0	184.7
89°	9.9	3.2	8.9	26.0	39.6	41.2	21.2	14.5	50.0	91.2	104.2



REPORT NUMBER: P1436815

CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815

CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815  
CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815  
 CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	7549.2	7549.2	7549.2
1°	7715.7	7734.4	7744.1
2°	7907.8	7949.7	7964.9
3°	8115.9	8182.9	8203.9
4°	8345.0	8442.5	8473.2
5°	8596.3	8725.6	8767.4
6°	8866.8	9036.7	9090.1
7°	9162.1	9367.7	9436.4
8°	9470.6	9723.7	9809.5
9°	9809.2	10106.3	10211.2
10°	10164.3	10517.0	10638.4
11°	10546.8	10957.1	11098.5
12°	10951.4	11420.6	11591.4
13°	11382.0	11920.6	12120.4
14°	11830.5	12444.3	12666.6
15°	12302.1	12984.5	13236.6
16°	12786.1	13541.4	13818.6
17°	13291.6	14107.8	14403.0
18°	13782.8	14668.3	14969.5
19°	14263.2	15202.5	15527.6
20°	14731.7	15717.6	16063.0
21°	15184.6	16208.8	16569.7
22°	15607.6	16664.1	17034.6
23°	16017.6	17114.6	17486.3
24°	16411.9	17552.0	17904.6
25°	16803.9	17961.9	18306.1
26°	17192.3	18343.2	18646.7
27°	17558.0	18668.2	18945.5
28°	17880.7	18950.3	19219.2
29°	18179.4	19237.1	19509.6
30°	18483.0	19559.8	19852.5
31°	18799.7	19856.1	20133.4
32°	19080.5	20070.1	20342.5
33°	19269.4	20170.4	20414.2
34°	19354.2	20145.3	20346.1
35°	19320.7	19991.2	20157.3
36°	19213.2	19768.9	19914.7
37°	19039.9	19539.4	19698.4
38°	18877.4	19391.2	19578.9
39°	18771.0	19307.6	19509.6
40°	18704.1	19261.0	19458.2
41°	18661.1	19221.5	19398.4
42°	18614.5	19176.1	19321.9
43°	18567.8	19124.7	19225.1
44°	18521.2	19056.6	19106.8



REPORT NUMBER: P1436815  
 CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	18465.1	18963.4	18964.6
46°	18401.7	18847.5	18808.1
47°	18331.2	18720.8	18643.1
48°	18245.2	18583.4	18472.2
49°	18134.0	18444.8	18302.5
50°	18000.2	18301.3	18122.1
51°	17854.4	18142.4	17917.7
52°	17690.7	17958.4	17685.9
53°	17521.0	17734.9	17428.9
54°	17344.1	17470.8	17135.0
55°	17156.5	17158.9	16800.3
56°	16936.6	16803.9	16411.9
57°	16678.4	16408.3	15974.5
58°	16366.5	15939.9	15482.2
59°	16022.3	15432.0	14944.4
60°	15636.3	14881.0	14325.3
61°	15196.5	14256.0	13548.5
62°	14710.1	13499.5	12625.9
63°	14172.4	12625.9	11578.6
64°	13590.4	11674.1	10510.1
65°	12933.1	10732.1	9537.6
66°	12223.2	9854.9	8694.8
67°	11489.9	9067.6	8032.0
68°	10733.5	8352.7	7499.3
69°	10017.0	7714.9	6969.3
70°	9333.5	7084.9	6143.9
71°	8624.6	6307.1	4833.6
72°	7851.3	5222.1	3285.6
73°	7076.1	3853.9	1920.5
74°	6259.9	2554.3	1084.5
75°	5226.8	1554.3	904.6
76°	4115.8	1247.8	747.6
77°	3147.7	943.8	590.6
78°	2378.3	639.8	527.6
79°	1756.6	553.7	485.3
80°	1185.8	494.5	447.2
81°	954.8	443.9	411.3
82°	726.5	401.5	377.0
83°	498.3	367.6	342.4
84°	417.3	327.7	306.3
85°	330.2	285.1	270.4
86°	263.7	246.2	233.1
87°	215.6	208.9	194.5
88°	170.8	172.6	159.5
89°	127.1	136.3	131.5



REPORT NUMBER: P1436815  
CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815  
CATALOG NUMBER: XAS300-SFPM (4000K-300W-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: P1436815  
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)