

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: P1436841

Luminaire Tested: XAS300-SFPM (5000K-300W-T5)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436841  
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-300W-T5)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 100% (300W)  
OPTICS - TYPE 5  
Light Source: 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

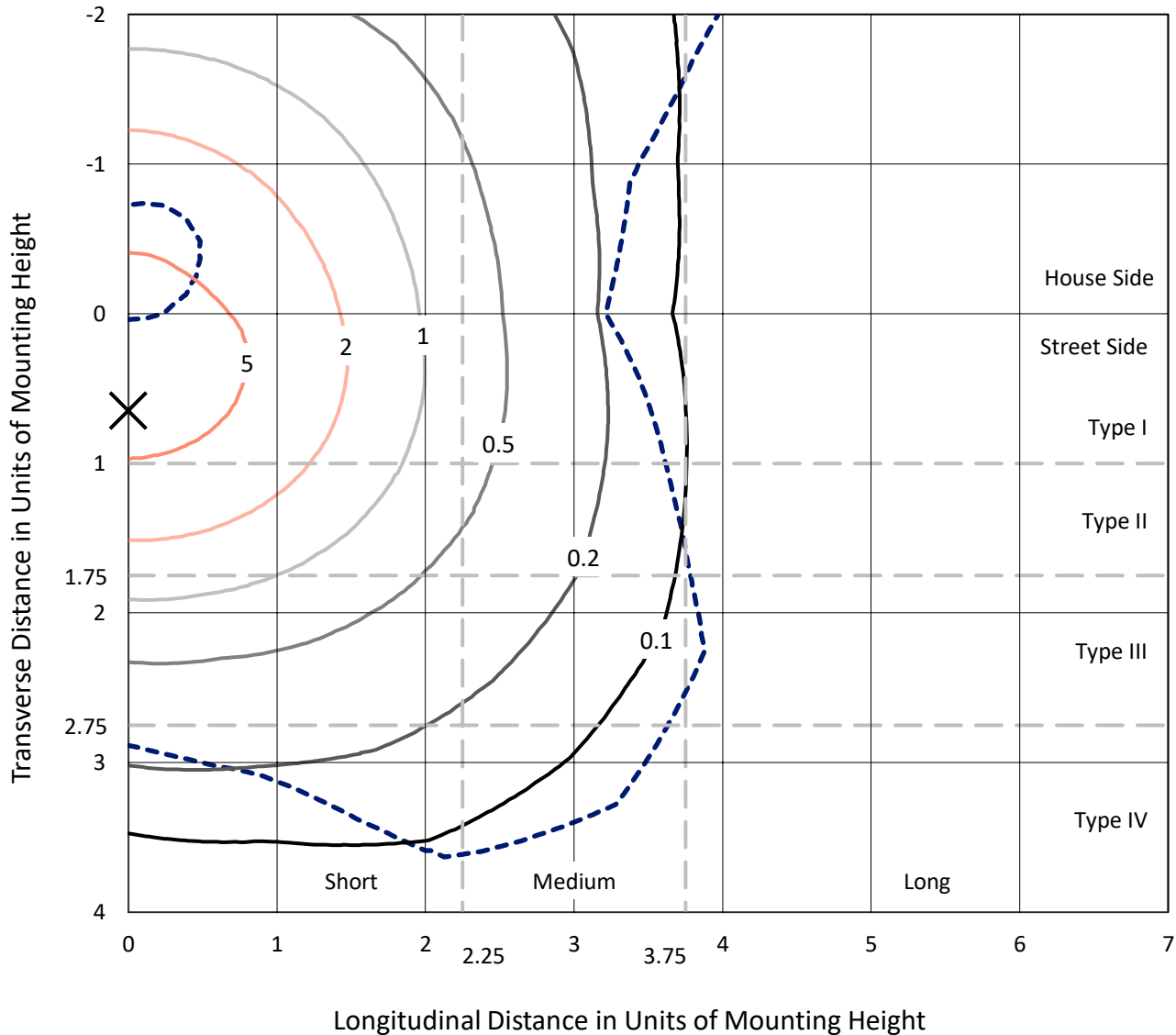
Lumens per Lamp: 46561 (1 lamp)  
Luminaire Lumens: 43703.4 lumens  
Efficiency: 93.9%  
Efficacy: 145.7 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B5 - U0 - G5

Input Watts (W): 299.9  
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

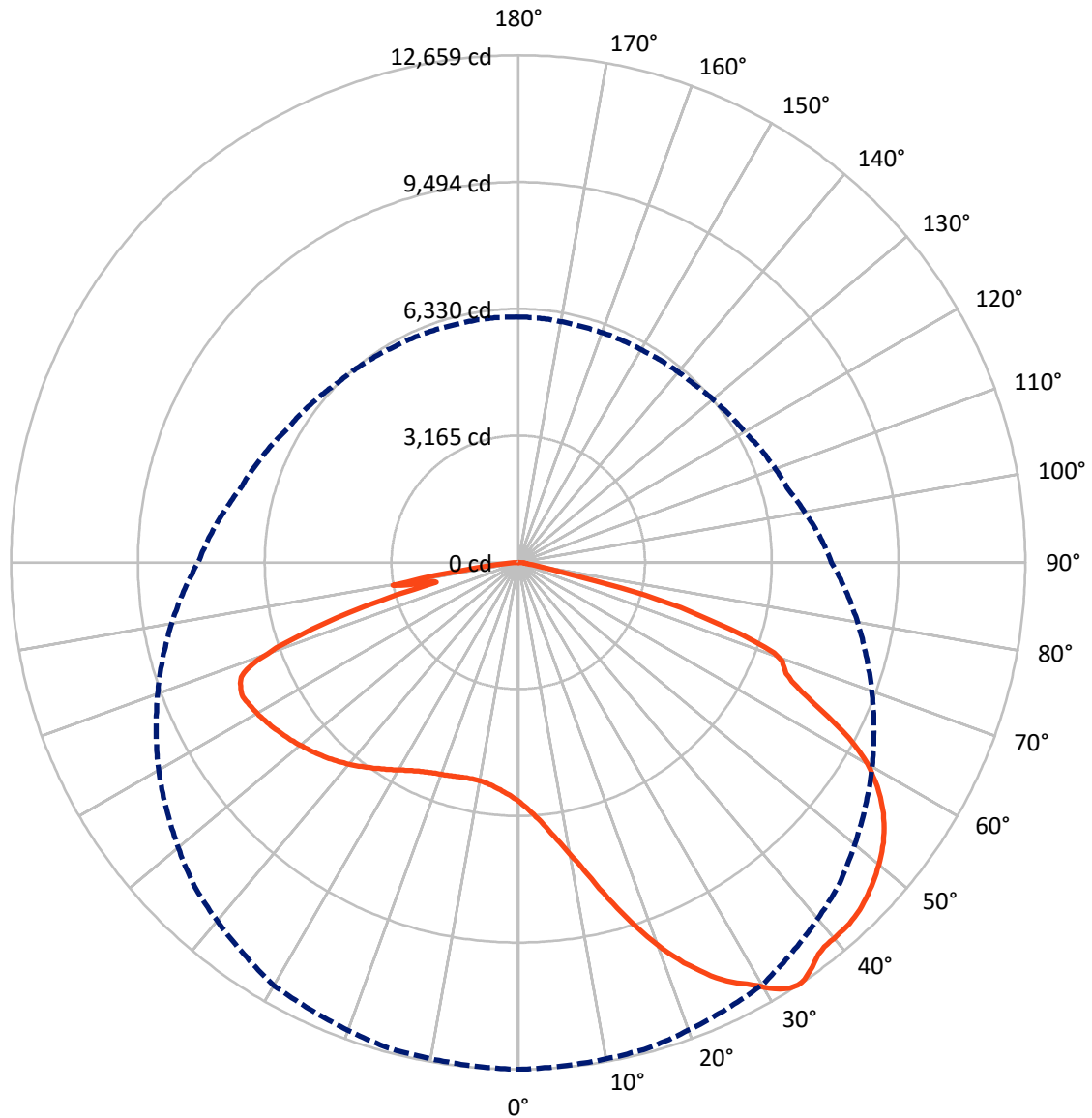
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.5 fc  
 Type IV - Short - Semi-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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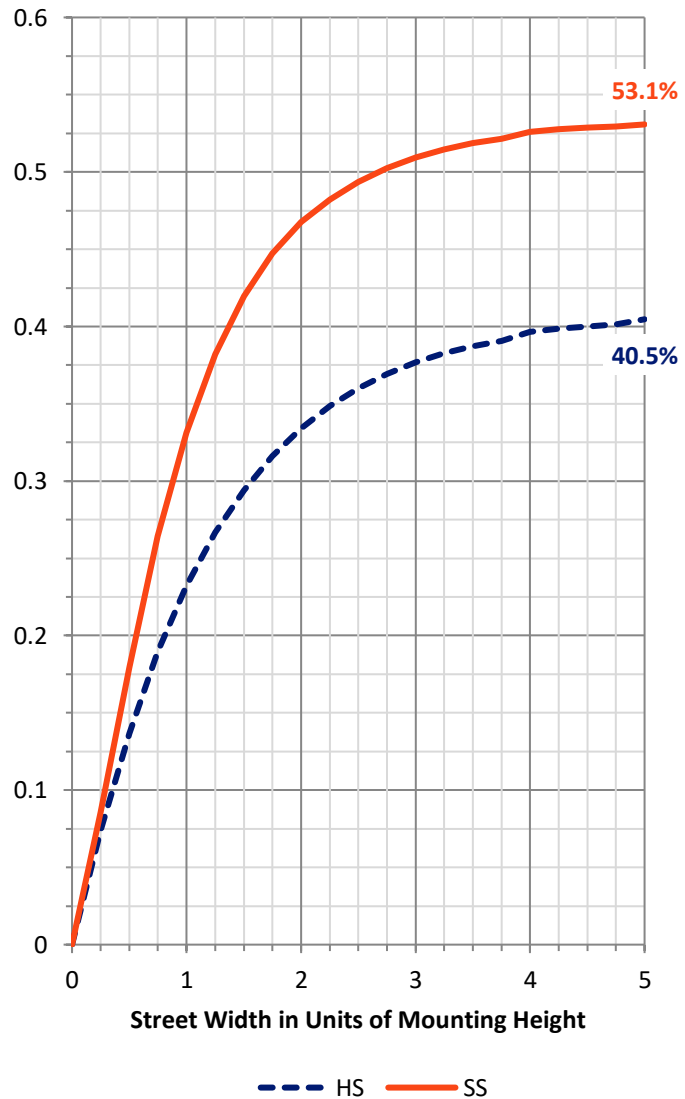
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19018.4	0.0	19018.4
	% Lamp	40.8	0.0	40.8
<b>Street Side</b>	Lumens	24685.0	0.0	24685.0
	% Lamp	53.0	0.0	53.0
<b>Total</b>	Lumens	43703.4	0.0	43703.4
	% Lamp	93.9	0.0	93.9

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	590.3	1.4	1.3
10°-20°	1953.1	4.5	4.2
20°-30°	3688.0	8.4	7.9
30°-40°	5557.9	12.7	11.9
40°-50°	7184.3	16.4	15.4
50°-60°	8604.6	19.7	18.5
60°-70°	9140.4	20.9	19.6
70°-80°	6263.4	14.3	13.5
80°-90°	721.5	1.7	1.5
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°	43703.4	100.0	93.9
0°-180°	43703.4	100.0	93.9

**Coefficient of Utilization**



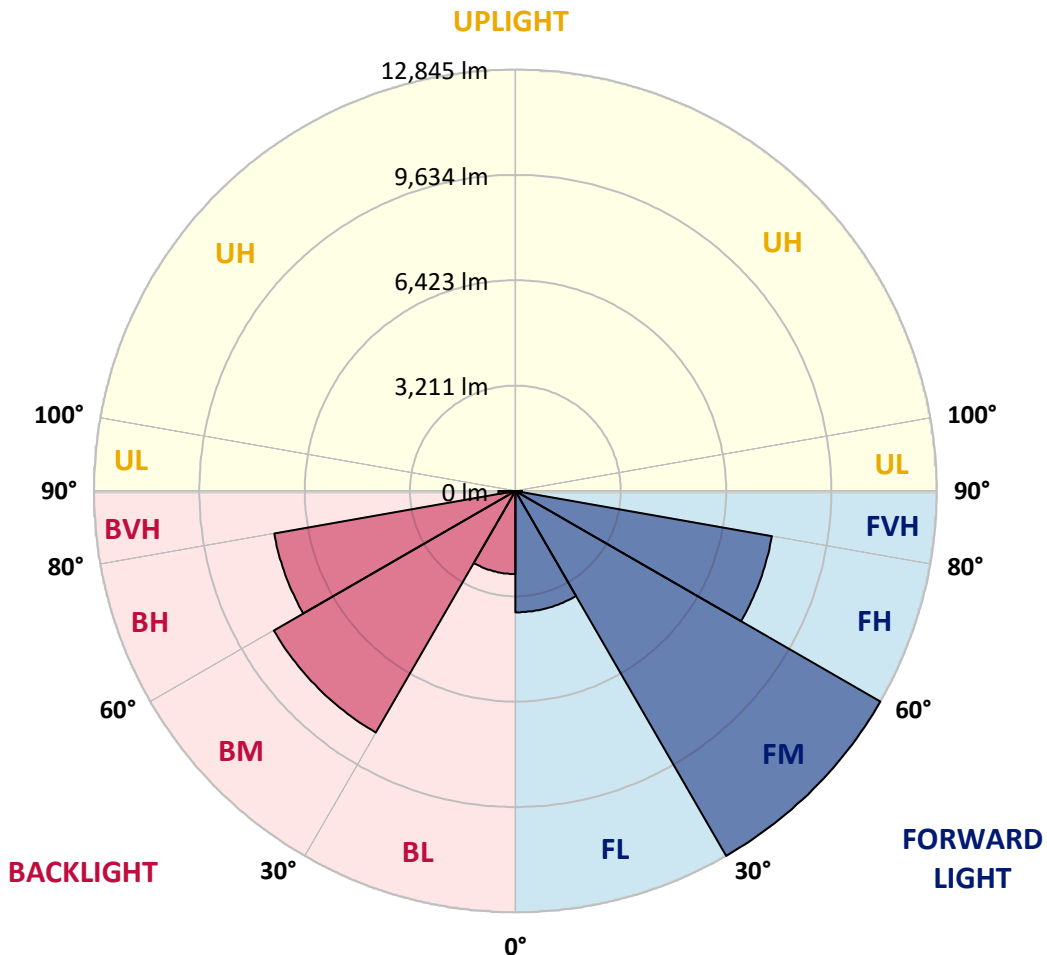
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3698.6	7.9			
FM (30°-60°)	12845.5	27.6			
FH (60°-80°)	7940.9	17.1			G4/12000
FVH (80°-90°)	200.0	0.4			G2/225
BL (0°-30°)	2532.8	5.4	B4/5000		
BM (30°-60°)	8501.2	18.3	B5		
BH (60°-80°)	7462.8	16.0	B5		G5
BVH (80°-90°)	521.4	1.1			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	2857.6	6.1			

**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°	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6
1°	6088.7	6086.6	6080.3	6071.2	6054.5	6033.6	5991.6	5970.0	5951.2	5935.6	5925.3
2°	6189.6	6183.1	6166.5	6139.9	6101.5	6058.9	5994.4	5951.9	5913.4	5883.3	5862.9
3°	6303.9	6292.5	6263.2	6214.8	6155.3	6088.9	6002.3	5938.4	5882.4	5839.7	5810.3
4°	6431.9	6414.7	6370.6	6302.2	6216.7	6125.3	6013.9	5929.2	5857.9	5802.7	5765.3
5°	6573.1	6549.3	6487.0	6397.2	6287.6	6168.4	6031.8	5926.7	5838.4	5773.0	5727.8
6°	6729.6	6699.7	6623.0	6503.2	6363.9	6214.1	6052.7	5927.3	5822.9	5747.2	5692.7
7°	6898.5	6863.2	6765.5	6619.7	6445.4	6263.6	6075.0	5929.9	5812.4	5724.4	5661.8
8°	7078.5	7037.2	6920.8	6745.6	6533.3	6318.1	6101.7	5936.9	5805.7	5705.2	5636.7
9°	7277.6	7231.3	7091.3	6880.8	6629.8	6377.9	6132.4	5945.8	5799.7	5690.1	5616.2
10°	7492.9	7432.0	7269.6	7026.3	6733.9	6441.7	6167.6	5957.2	5795.0	5681.2	5601.6
11°	7725.9	7656.9	7465.9	7180.1	6843.6	6511.0	6204.5	5972.0	5793.6	5674.3	5592.4
12°	7976.5	7892.1	7671.6	7346.2	6961.1	6586.0	6245.5	5991.9	5797.1	5671.6	5588.2
13°	8246.8	8147.8	7895.0	7520.5	7084.6	6665.0	6294.1	6014.7	5805.1	5671.8	5589.1
14°	8531.9	8421.4	8126.5	7706.9	7219.3	6751.5	6348.2	6041.5	5815.5	5676.3	5594.8
15°	8828.6	8703.0	8367.9	7902.6	7358.4	6841.2	6404.1	6071.4	5829.1	5684.4	5603.5
16°	9134.0	8988.2	8617.8	8103.6	7506.8	6937.5	6464.5	6107.6	5846.4	5695.0	5615.5
17°	9435.1	9277.2	8872.9	8306.2	7659.7	7040.1	6530.5	6145.7	5869.0	5710.5	5631.8
18°	9732.6	9563.7	9127.0	8517.6	7816.4	7148.0	6600.5	6188.0	5893.8	5730.2	5651.0
19°	10022.7	9845.3	9382.0	8724.7	7975.0	7258.0	6670.5	6233.0	5923.0	5751.0	5671.9
20°	10305.2	10113.7	9626.6	8931.3	8137.4	7369.1	6743.7	6281.5	5954.4	5777.2	5696.6
21°	10569.9	10375.6	9868.7	9138.1	8302.5	7486.5	6820.0	6332.3	5988.9	5804.7	5720.3
22°	10820.5	10623.4	10095.9	9339.9	8466.0	7608.1	6897.1	6383.3	6026.6	5835.3	5747.6
23°	11052.3	10863.7	10320.2	9540.2	8634.1	7731.0	6974.1	6434.2	6065.7	5867.9	5776.0
24°	11276.7	11088.9	10535.2	9731.7	8793.7	7852.7	7048.7	6485.7	6106.3	5900.6	5806.3
25°	11490.7	11308.6	10747.3	9921.3	8954.6	7971.3	7124.5	6536.1	6148.0	5935.7	5837.4
26°	11671.8	11503.8	10951.9	10107.1	9110.6	8093.5	7202.8	6588.2	6191.7	5971.3	5868.9
27°	11838.0	11681.2	11150.9	10285.5	9265.9	8218.4	7281.4	6639.3	6235.4	6007.1	5902.0
28°	11987.2	11838.0	11333.9	10463.8	9420.1	8342.9	7363.5	6691.0	6279.9	6045.2	5935.2
29°	12146.8	11992.8	11507.6	10638.4	9568.4	8471.0	7450.0	6746.8	6326.7	6082.0	5972.6
30°	12336.4	12174.0	11677.5	10813.9	9716.7	8603.9	7540.6	6805.9	6374.2	6121.8	6010.2
31°	12495.0	12343.9	11864.2	10993.2	9871.5	8734.5	7633.1	6865.6	6423.2	6162.8	6050.7
32°	12613.3	12477.2	12037.0	11172.5	10031.1	8862.6	7730.2	6925.7	6473.1	6206.2	6091.7
33°	12659.3	12555.1	12180.6	11346.1	10203.8	8990.5	7825.1	6986.1	6522.9	6250.0	6132.3
34°	12633.0	12550.4	12277.2	11502.9	10371.8	9133.6	7924.2	7048.1	6568.8	6292.4	6172.8
35°	12542.9	12479.0	12295.1	11625.8	10518.3	9285.4	8027.0	7112.0	6615.8	6337.7	6217.7
36°	12423.7	12374.9	12251.0	11706.6	10649.7	9433.2	8133.8	7178.2	6663.7	6384.8	6265.6
37°	12323.2	12254.7	12175.9	11724.4	10748.2	9560.9	8239.4	7242.0	6715.5	6433.7	6320.5
38°	12276.3	12176.8	12098.0	11702.8	10824.2	9670.7	8349.7	7301.8	6767.8	6488.4	6377.6
39°	12259.4	12137.4	12041.6	11673.7	10859.9	9762.7	8462.6	7366.1	6821.6	6547.8	6437.3
40°	12253.8	12117.7	12014.4	11658.7	10871.2	9831.2	8564.8	7435.3	6877.9	6613.8	6499.6
41°	12249.1	12104.5	12006.0	11658.7	10888.1	9880.0	8651.6	7511.1	6937.1	6677.0	6561.0
42°	12235.0	12094.2	12005.0	11676.5	10920.9	9924.1	8722.7	7582.0	7001.3	6746.7	6624.6
43°	12207.8	12079.2	12004.1	11707.5	10961.3	9976.7	8780.7	7646.6	7069.8	6817.2	6685.1
44°	12164.6	12060.4	12000.3	11743.2	11010.1	10044.2	8837.9	7709.2	7142.6	6893.0	6745.1



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CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12107.4	12028.5	11991.9	11776.0	11065.5	10119.3	8900.1	7775.2	7215.0	6968.2	6803.2
46°	12037.0	11987.2	11977.8	11803.2	11127.4	10194.4	8967.5	7845.1	7291.1	7042.9	6860.1
47°	11960.9	11943.1	11960.9	11822.9	11190.3	10272.3	9032.1	7922.5	7366.2	7115.6	6919.6
48°	11880.2	11893.3	11938.4	11837.0	11251.3	10351.2	9098.7	8004.4	7441.9	7188.4	6977.8
49°	11796.7	11841.7	11906.5	11846.4	11312.3	10427.2	9161.5	8086.6	7521.1	7259.6	7041.9
50°	11706.6	11788.2	11868.0	11850.2	11368.7	10503.2	9220.4	8172.5	7600.2	7330.2	7106.3
51°	11604.2	11726.3	11822.0	11849.2	11420.3	10573.6	9274.0	8258.2	7678.2	7402.1	7176.9
52°	11489.7	11650.2	11769.4	11842.7	11472.8	10644.0	9322.7	8343.6	7756.1	7476.0	7251.6
53°	11363.0	11564.8	11713.1	11835.2	11517.0	10706.0	9366.3	8425.4	7837.8	7552.9	7330.8
54°	11220.3	11455.0	11652.1	11819.2	11554.5	10763.2	9410.7	8502.3	7923.2	7634.1	7414.5
55°	11061.7	11326.4	11584.5	11797.6	11587.4	10813.9	9451.0	8574.7	8008.8	7718.4	7500.8
56°	10881.5	11178.1	11501.0	11764.8	11613.6	10858.0	9489.5	8644.3	8096.0	7808.5	7585.9
57°	10677.8	11007.3	11400.6	11721.6	11630.5	10895.6	9523.3	8711.4	8186.2	7905.7	7670.6
58°	10451.6	10810.2	11277.6	11670.0	11637.1	10924.7	9548.7	8772.2	8280.4	8008.4	7752.2
59°	10210.4	10585.8	11141.5	11611.8	11631.5	10941.6	9567.4	8827.5	8370.0	8112.9	7827.7
60°	9921.3	10335.2	10983.8	11542.3	11611.8	10945.3	9576.8	8877.3	8460.3	8222.7	7899.5
61°	9562.7	10043.3	10808.3	11455.9	11575.2	10927.5	9573.1	8915.9	8553.8	8336.6	7979.8
62°	9136.0	9693.2	10611.2	11352.7	11532.0	10888.1	9556.2	8945.4	8649.2	8453.3	8061.0
63°	8657.1	9288.9	10385.9	11228.8	11471.0	10840.2	9534.6	8968.6	8743.6	8570.8	8141.8
64°	8183.1	8861.3	10134.4	11086.1	11387.4	10770.7	9499.8	8976.2	8833.9	8692.0	8218.2
65°	7771.6	8461.2	9862.2	10919.1	11289.8	10681.6	9445.4	8973.9	8920.8	8809.2	8292.1
66°	7445.0	8094.5	9569.3	10729.4	11170.6	10579.3	9361.9	8963.2	8994.4	8925.8	8367.9
67°	7236.0	7787.3	9282.7	10507.0	11012.9	10433.8	9238.7	8918.7	9061.7	9031.4	8436.0
68°	7128.9	7562.1	9008.7	10254.5	10826.1	10236.7	9041.9	8835.8	9118.5	9134.0	8497.9
69°	7035.9	7404.1	8755.2	9974.8	10591.5	9980.4	8731.3	8680.3	9156.2	9223.0	8531.0
70°	6772.8	7265.3	8519.7	9672.6	10306.1	9620.0	8251.0	8410.9	9153.2	9301.5	8550.2
71°	6250.2	7020.6	8313.5	9363.7	9971.0	9131.8	7561.0	8010.2	9091.4	9355.7	8551.2
72°	5553.5	6597.9	8111.6	9048.5	9581.5	8528.0	6806.5	7486.3	8954.9	9379.7	8495.0
73°	4855.9	6004.7	7881.1	8742.7	9129.5	7823.0	6105.6	6895.3	8717.6	9340.7	8388.8
74°	4210.3	5344.6	7596.4	8425.2	8605.0	7089.9	5466.6	6333.5	8406.8	9222.7	8211.2
75°	3271.9	4618.9	7227.3	8041.5	8025.8	6318.9	4720.0	5794.1	8030.2	9002.1	7883.2
76°	2001.1	3719.8	6708.5	7607.6	7390.8	5483.1	3609.2	5108.0	7645.6	8649.3	7436.1
77°	885.6	2457.1	6041.8	6996.2	6676.4	4396.4	2343.0	4054.4	7215.8	8071.2	6937.9
78°	665.6	1189.2	5192.0	6175.5	5813.9	3020.3	1085.0	2881.6	6676.1	7219.2	6310.9
79°	460.9	868.1	4102.2	5145.6	4785.9	1666.6	440.6	1708.7	5799.1	6086.8	5460.5
80°	256.3	565.7	2647.8	3892.2	3565.9	762.3	293.3	549.3	4433.5	4846.3	4587.4
81°	223.4	263.4	1341.0	2553.5	2174.5	524.3	253.4	332.2	3140.1	3740.5	3859.4
82°	196.7	225.6	980.1	1248.4	1007.1	300.9	223.0	271.3	1846.7	2821.2	3397.4
83°	170.6	194.8	631.8	925.3	726.9	247.5	192.5	230.2	578.5	2252.0	3166.0
84°	144.4	164.6	283.4	612.4	473.4	207.1	162.0	189.1	380.7	1682.8	2398.7
85°	117.5	134.5	210.3	299.4	219.8	168.4	133.7	148.0	306.5	1115.7	1631.4
86°	88.1	106.3	154.0	244.3	168.0	129.5	105.2	115.9	246.2	686.7	880.2
87°	63.8	79.9	115.1	187.1	127.2	94.6	75.9	87.1	185.9	477.7	614.5
88°	39.7	53.6	79.5	122.6	91.0	66.1	48.4	61.5	126.2	268.6	348.8
89°	15.6	27.3	44.0	65.3	51.0	37.6	33.9	42.8	86.1	60.0	88.6



REPORT NUMBER: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6	6001.6
1°	5920.8	5921.0	5928.8	5940.8	5959.1	5978.9	6000.1	6000.8	6021.8	6041.6	6060.5
2°	5852.7	5852.2	5862.8	5883.7	5913.0	5950.2	5990.6	6012.8	6055.7	6096.5	6133.2
3°	5795.1	5791.7	5805.7	5832.7	5872.2	5924.8	5984.0	6027.8	6094.0	6157.9	6215.5
4°	5745.1	5742.1	5757.3	5789.2	5839.0	5904.3	5981.2	6045.9	6135.6	6225.1	6308.1
5°	5702.0	5696.7	5715.6	5752.9	5810.6	5887.5	5981.0	6066.6	6180.0	6295.9	6407.6
6°	5661.0	5655.8	5676.5	5719.5	5785.7	5874.3	5985.6	6092.0	6229.3	6374.9	6515.2
7°	5625.9	5619.2	5641.8	5690.7	5762.8	5863.4	5990.8	6119.2	6283.5	6459.7	6630.7
8°	5596.2	5588.0	5613.2	5667.2	5744.6	5854.6	5998.2	6148.6	6341.2	6551.1	6754.5
9°	5573.2	5563.3	5590.6	5645.8	5731.7	5848.6	6008.9	6181.3	6404.2	6648.3	6888.2
10°	5554.6	5545.3	5572.1	5630.4	5721.0	5846.2	6025.3	6221.1	6471.8	6753.4	7033.5
11°	5543.6	5533.9	5560.5	5621.3	5714.2	5850.3	6045.8	6266.6	6548.0	6867.2	7188.9
12°	5540.2	5528.9	5554.9	5616.4	5713.6	5857.7	6070.8	6316.7	6630.3	6988.6	7354.5
13°	5541.6	5528.7	5556.0	5617.1	5717.4	5870.6	6100.0	6369.6	6718.1	7118.5	7536.8
14°	5545.4	5533.5	5560.6	5623.8	5724.0	5886.0	6132.3	6424.5	6808.6	7257.9	7725.4
15°	5554.8	5541.5	5568.1	5633.1	5735.9	5905.7	6167.5	6486.7	6905.4	7402.8	7925.6
16°	5567.3	5553.7	5580.3	5645.9	5754.0	5929.2	6206.5	6553.2	7006.5	7557.7	8133.1
17°	5581.7	5568.8	5596.8	5662.8	5774.3	5956.9	6248.7	6622.3	7114.4	7716.0	8344.6
18°	5600.2	5585.8	5616.5	5684.8	5796.7	5986.8	6295.4	6696.3	7223.9	7881.0	8564.3
19°	5620.9	5603.2	5638.1	5709.7	5822.8	6019.4	6343.5	6770.4	7337.6	8047.9	8776.6
20°	5641.2	5621.7	5661.0	5737.2	5851.6	6056.3	6396.6	6847.3	7456.0	8216.9	8992.8
21°	5660.7	5640.4	5686.0	5767.5	5884.3	6096.2	6451.0	6926.6	7579.5	8389.8	9201.9
22°	5681.9	5659.7	5711.5	5798.1	5918.2	6138.6	6507.1	7004.6	7701.6	8559.6	9406.9
23°	5705.2	5683.0	5737.8	5831.5	5953.7	6182.7	6563.4	7083.1	7828.0	8731.8	9606.8
24°	5732.4	5710.3	5766.6	5866.3	5988.7	6229.4	6621.5	7160.8	7952.8	8900.1	9799.3
25°	5761.8	5740.6	5799.1	5904.0	6024.5	6277.5	6677.7	7241.5	8079.6	9066.2	9986.1
26°	5794.3	5776.1	5835.2	5941.0	6061.2	6324.6	6735.5	7320.4	8207.7	9224.7	10169.1
27°	5831.2	5816.2	5874.2	5977.0	6098.8	6372.6	6793.1	7404.0	8335.8	9384.7	10355.9
28°	5871.1	5860.1	5917.6	6013.3	6139.3	6421.7	6852.9	7492.5	8467.3	9540.2	10546.4
29°	5914.8	5907.8	5962.6	6052.1	6180.4	6469.5	6915.5	7584.3	8603.3	9698.8	10729.4
30°	5959.8	5960.1	6007.9	6090.4	6223.3	6518.2	6980.4	7681.0	8740.9	9864.0	10910.6
31°	6004.5	6012.1	6052.7	6129.9	6267.5	6566.0	7045.9	7782.4	8885.3	10036.7	11104.9
32°	6050.4	6069.6	6098.7	6169.6	6311.4	6614.6	7109.3	7883.1	9032.3	10205.7	11273.9
33°	6097.5	6127.6	6145.2	6210.6	6355.9	6661.4	7173.4	7991.1	9185.0	10369.0	11436.2
34°	6145.5	6183.9	6191.3	6251.5	6399.1	6705.5	7239.2	8099.3	9328.5	10521.1	11567.6
35°	6193.8	6243.6	6239.1	6295.9	6443.4	6751.0	7306.3	8207.5	9463.2	10655.3	11659.6
36°	6243.2	6305.7	6287.7	6344.1	6488.3	6799.1	7371.6	8310.5	9591.8	10760.4	11699.0
37°	6294.0	6365.8	6334.7	6399.0	6538.4	6848.2	7432.1	8418.7	9701.7	10823.3	11702.8
38°	6340.9	6424.7	6379.8	6457.1	6596.3	6899.8	7493.1	8519.6	9785.2	10853.3	11680.3
39°	6386.6	6487.5	6424.5	6519.2	6658.4	6954.5	7548.7	8609.8	9845.3	10872.1	11656.8
40°	6435.1	6550.3	6471.6	6581.6	6723.5	7009.1	7608.5	8689.3	9887.5	10891.8	11651.2
41°	6484.6	6607.8	6522.5	6644.3	6792.8	7068.1	7666.0	8761.8	9926.9	10920.9	11669.0
42°	6535.2	6666.1	6576.3	6705.6	6866.2	7129.5	7729.3	8829.3	9980.4	10959.4	11705.6
43°	6587.1	6721.6	6631.4	6765.5	6940.7	7193.8	7801.3	8897.8	10052.7	11006.3	11747.9
44°	6639.8	6776.5	6689.1	6826.2	7013.0	7266.9	7877.4	8964.5	10132.5	11065.5	11787.3



REPORT NUMBER: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6695.3	6830.8	6746.9	6886.1	7085.4	7343.1	7953.6	9028.6	10208.5	11133.1	11821.1
46°	6753.1	6882.8	6808.8	6947.0	7156.2	7423.7	8027.2	9093.1	10282.7	11206.3	11849.2
47°	6816.5	6937.7	6873.4	7006.9	7227.1	7508.9	8106.9	9159.8	10356.8	11278.5	11868.9
48°	6886.1	6984.6	6942.4	7067.1	7295.9	7597.4	8195.5	9218.3	10436.6	11344.2	11882.1
49°	6959.4	7032.1	7014.3	7131.0	7366.1	7683.1	8283.9	9271.7	10516.4	11404.3	11892.4
50°	7031.5	7079.2	7090.1	7199.3	7437.5	7766.8	8372.3	9319.5	10589.6	11456.9	11897.1
51°	7106.2	7130.2	7164.8	7271.2	7509.7	7846.0	8459.2	9364.2	10659.1	11504.8	11897.1
52°	7182.3	7178.0	7242.9	7348.2	7586.2	7924.9	8542.7	9410.7	10721.0	11547.9	11893.3
53°	7258.8	7222.7	7319.6	7429.2	7664.5	8006.8	8619.2	9452.0	10776.4	11586.4	11886.8
54°	7334.6	7265.8	7393.3	7512.4	7747.5	8090.4	8688.8	9491.4	10823.3	11618.3	11872.7
55°	7403.1	7310.4	7459.1	7600.1	7837.0	8178.0	8752.4	9523.3	10861.8	11639.9	11852.0
56°	7462.5	7354.0	7517.4	7687.4	7931.6	8267.7	8810.6	9552.4	10890.0	11657.7	11819.2
57°	7512.0	7396.9	7571.8	7776.3	8032.1	8355.4	8863.6	9578.7	10903.1	11664.3	11776.0
58°	7560.3	7438.3	7620.7	7855.7	8139.3	8443.0	8911.7	9595.6	10910.6	11654.9	11712.2
59°	7605.7	7479.3	7666.0	7929.0	8249.3	8530.3	8952.2	9600.3	10905.9	11634.3	11642.7
60°	7648.3	7514.7	7705.3	8004.1	8362.6	8614.6	8982.4	9594.6	10882.4	11605.2	11559.2
61°	7683.4	7547.5	7738.2	8086.9	8477.8	8698.4	9001.9	9588.1	10844.0	11564.8	11471.9
62°	7711.7	7581.7	7768.7	8170.1	8595.6	8786.1	9011.1	9574.0	10793.3	11503.8	11368.7
63°	7744.6	7613.5	7801.8	8242.6	8709.4	8872.1	9014.5	9540.2	10725.7	11424.0	11242.9
64°	7774.5	7646.2	7836.9	8309.6	8828.3	8953.0	9005.9	9488.6	10639.3	11323.6	11085.2
65°	7802.0	7652.2	7860.9	8378.0	8943.7	9030.1	8982.8	9400.4	10520.1	11198.8	10896.5
66°	7817.3	7612.2	7859.3	8449.5	9050.2	9098.9	8930.4	9261.1	10359.6	11043.9	10676.9
67°	7809.5	7567.0	7839.8	8508.7	9152.6	9140.9	8835.3	9073.6	10146.6	10865.5	10437.5
68°	7786.8	7487.6	7811.0	8556.8	9239.8	9146.3	8686.2	8768.7	9873.4	10643.1	10175.7
69°	7717.8	7281.1	7729.1	8582.0	9312.4	9117.2	8452.4	8290.2	9525.2	10372.8	9895.9
70°	7565.2	6931.5	7550.2	8583.9	9365.2	9047.4	8074.4	7615.3	9047.6	10050.8	9587.1
71°	7293.6	6400.3	7245.5	8552.1	9391.0	8913.4	7541.5	6833.3	8417.7	9659.4	9261.8
72°	6853.2	5748.2	6770.0	8474.7	9367.7	8718.3	6956.6	6135.4	7709.3	9225.5	8933.9
73°	6242.8	5078.8	6183.8	8350.8	9249.7	8424.2	6411.7	5507.2	6949.9	8693.1	8591.4
74°	5577.9	4408.5	5516.3	8114.0	9023.3	8074.4	5890.4	4791.2	6204.4	8075.5	8222.0
75°	4886.9	3569.4	4800.2	7736.4	8699.2	7708.2	5171.3	3685.7	5364.7	7386.1	7779.6
76°	4147.4	2687.2	4052.1	7288.1	8206.4	7313.5	4104.0	2299.0	4303.6	6660.3	7255.9
77°	3313.2	2103.7	3269.3	6765.2	7458.3	6784.1	2904.5	1075.0	2971.4	5826.7	6526.7
78°	2765.9	2206.1	2805.8	6092.3	6439.4	5945.7	1705.0	785.2	1614.4	4819.9	5509.6
79°	2860.7	2782.4	3017.3	5217.7	5313.0	4669.5	508.4	524.8	717.7	3656.4	4313.0
80°	3437.9	3175.8	3575.9	4315.0	4207.2	3298.9	331.5	264.4	510.0	2304.9	2986.7
81°	3637.9	2463.0	3566.4	3520.3	3268.4	1928.3	272.6	227.1	304.1	1098.2	1652.5
82°	2751.3	1750.1	2676.6	3192.9	2601.3	584.5	233.9	197.9	251.7	801.8	1192.2
83°	1864.8	1040.0	1786.7	2516.5	1934.1	392.4	195.2	169.4	213.1	520.1	756.1
84°	982.2	554.9	901.4	1840.1	1269.9	321.8	156.7	140.7	176.8	238.5	319.9
85°	519.1	334.6	502.1	1163.8	739.3	262.0	124.8	110.6	137.8	178.3	269.3
86°	415.8	117.2	402.2	647.5	520.6	202.1	96.2	83.1	103.4	136.2	216.9
87°	312.5	79.0	302.4	518.3	301.8	142.4	69.6	55.6	74.1	99.7	154.1
88°	209.1	40.9	202.5	389.2	85.0	108.0	48.0	28.1	45.0	63.6	84.2
89°	105.8	3.6	102.6	260.0	44.9	73.7	26.4	9.4	16.0	48.3	63.4



REPORT NUMBER: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	6001.6	6001.6	6001.6
1°	6073.2	6084.4	6088.7
2°	6163.3	6183.6	6189.6
3°	6264.2	6294.5	6303.9
4°	6375.4	6418.1	6431.9
5°	6496.2	6554.5	6573.1
6°	6629.5	6704.7	6729.6
7°	6773.5	6867.6	6898.5
8°	6927.1	7041.2	7078.5
9°	7094.2	7231.6	7277.6
10°	7274.7	7440.3	7492.9
11°	7469.1	7663.1	7725.9
12°	7676.4	7900.0	7976.5
13°	7901.8	8157.0	8246.8
14°	8133.1	8426.4	8531.9
15°	8375.8	8707.3	8828.6
16°	8632.6	9000.0	9134.0
17°	8898.0	9291.5	9435.1
18°	9160.7	9587.1	9732.6
19°	9415.4	9866.8	10022.7
20°	9664.1	10136.2	10305.2
21°	9905.3	10390.6	10569.9
22°	10135.3	10634.6	10820.5
23°	10354.9	10875.9	11052.3
24°	10569.9	11107.7	11276.7
25°	10783.9	11331.1	11490.7
26°	10996.0	11534.8	11671.8
27°	11201.6	11714.1	11838.0
28°	11385.5	11869.9	11987.2
29°	11560.1	12031.3	12146.8
30°	11736.6	12208.7	12336.4
31°	11912.1	12373.0	12495.0
32°	12077.3	12493.1	12613.3
33°	12196.5	12552.3	12659.3
34°	12259.4	12541.0	12633.0
35°	12260.3	12466.8	12542.9
36°	12219.0	12353.3	12423.7
37°	12142.1	12242.5	12323.2
38°	12072.6	12169.3	12276.3
39°	12037.9	12137.4	12259.4
40°	12025.7	12121.4	12253.8
41°	12022.9	12113.9	12249.1
42°	12022.9	12105.5	12235.0
43°	12023.8	12095.2	12207.8
44°	12023.8	12077.3	12164.6



REPORT NUMBER: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	12021.0	12046.3	12107.4
46°	12015.4	12005.0	12037.0
47°	12003.2	11959.0	11960.9
48°	11985.3	11909.3	11880.2
49°	11954.4	11857.7	11796.7
50°	11916.8	11807.9	11706.6
51°	11868.9	11749.7	11604.2
52°	11813.6	11677.5	11489.7
53°	11755.4	11591.1	11363.0
54°	11695.3	11480.3	11220.3
55°	11626.8	11350.8	11061.7
56°	11544.2	11201.6	10881.5
57°	11441.9	11027.9	10677.8
58°	11316.1	10828.0	10451.6
59°	11177.2	10600.9	10210.4
60°	11017.6	10353.1	9921.3
61°	10831.8	10070.5	9562.7
62°	10629.0	9731.7	9136.0
63°	10415.0	9336.2	8657.1
64°	10177.5	8904.8	8183.1
65°	9911.9	8502.5	7771.6
66°	9625.6	8156.0	7445.0
67°	9342.2	7861.5	7236.0
68°	9060.6	7638.7	7128.9
69°	8816.0	7465.2	7035.9
70°	8601.6	7312.1	6772.8
71°	8379.6	7066.0	6250.2
72°	8126.4	6630.7	5553.5
73°	7886.2	6027.9	4855.9
74°	7580.4	5335.3	4210.3
75°	7125.9	4584.1	3271.9
76°	6524.6	3669.0	2001.1
77°	5829.5	2455.7	885.6
78°	4941.3	1233.8	665.6
79°	3711.4	891.2	460.9
80°	2155.6	581.2	256.3
81°	1030.8	271.3	223.4
82°	768.9	225.2	196.7
83°	513.5	196.5	170.6
84°	258.2	164.7	144.4
85°	188.4	132.2	117.5
86°	141.6	102.8	88.1
87°	103.9	76.0	63.8
88°	83.3	49.3	39.7
89°	63.4	22.6	15.6



REPORT NUMBER: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436841

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)