

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: P1436784

Luminaire Tested: XAS300-SFPM (3000K-240W-T3-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436784
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 (3000K-240W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 29959 lumens
Efficiency: 77.4%
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

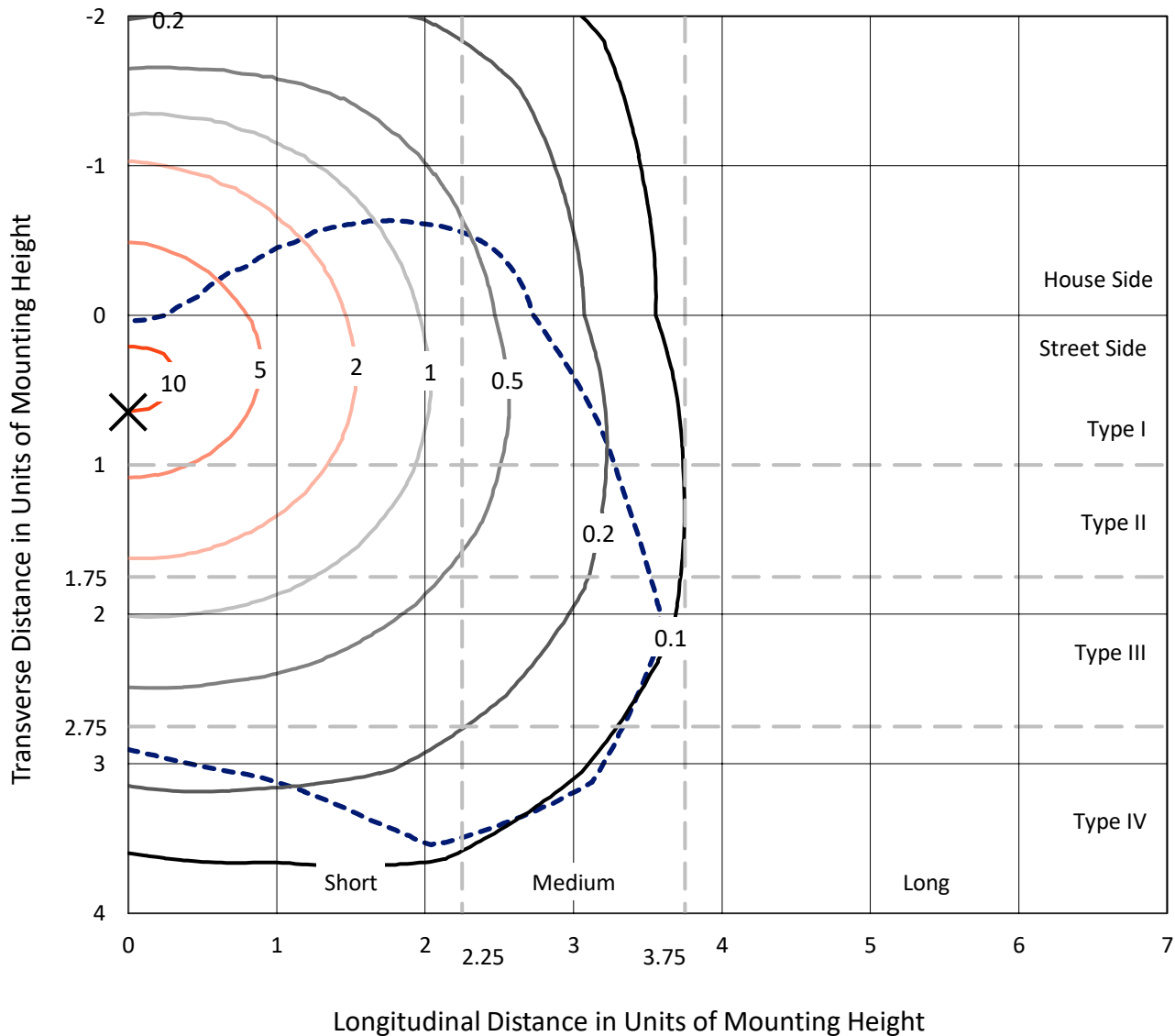
Input Watts (W): 247.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

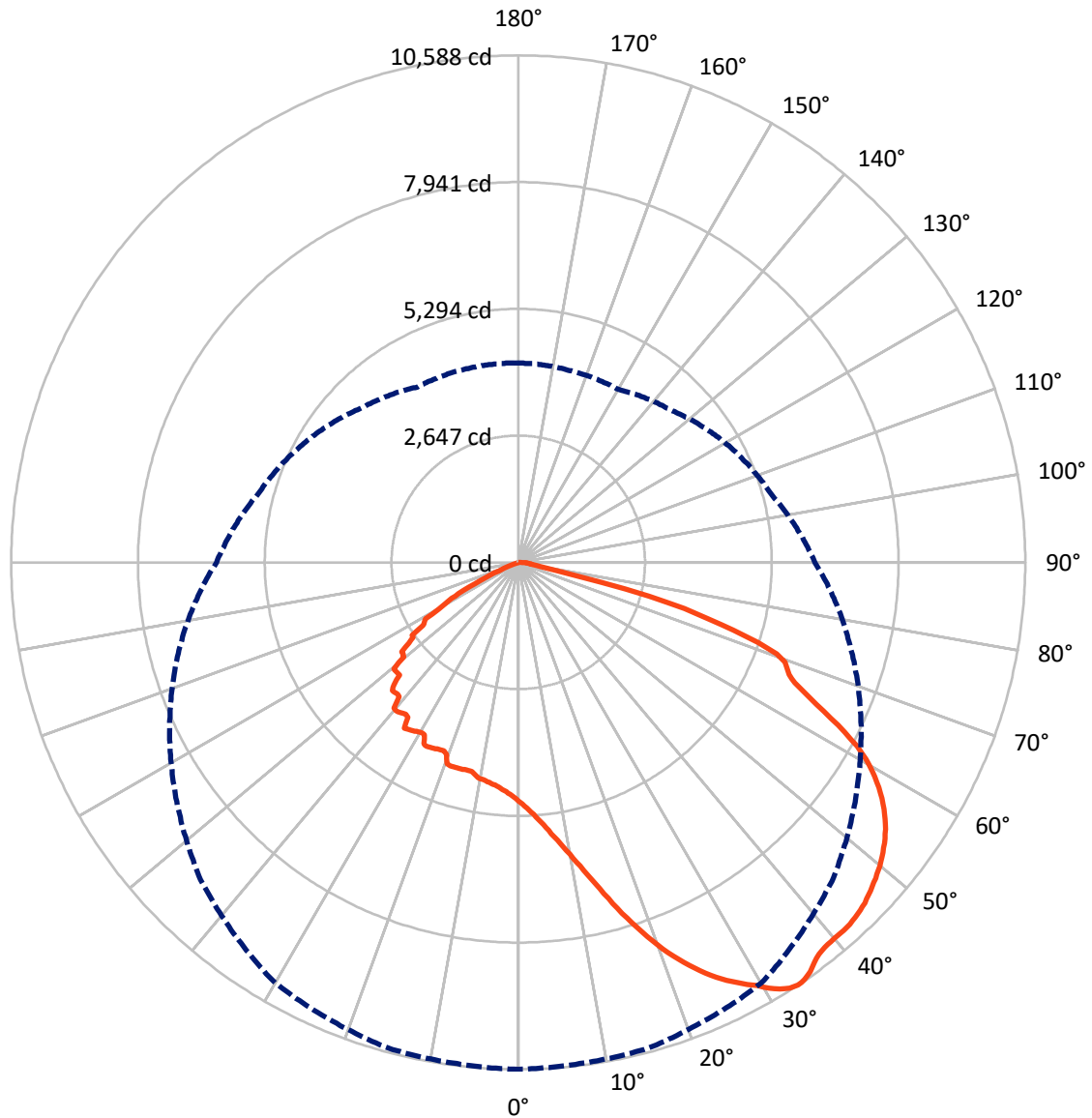


Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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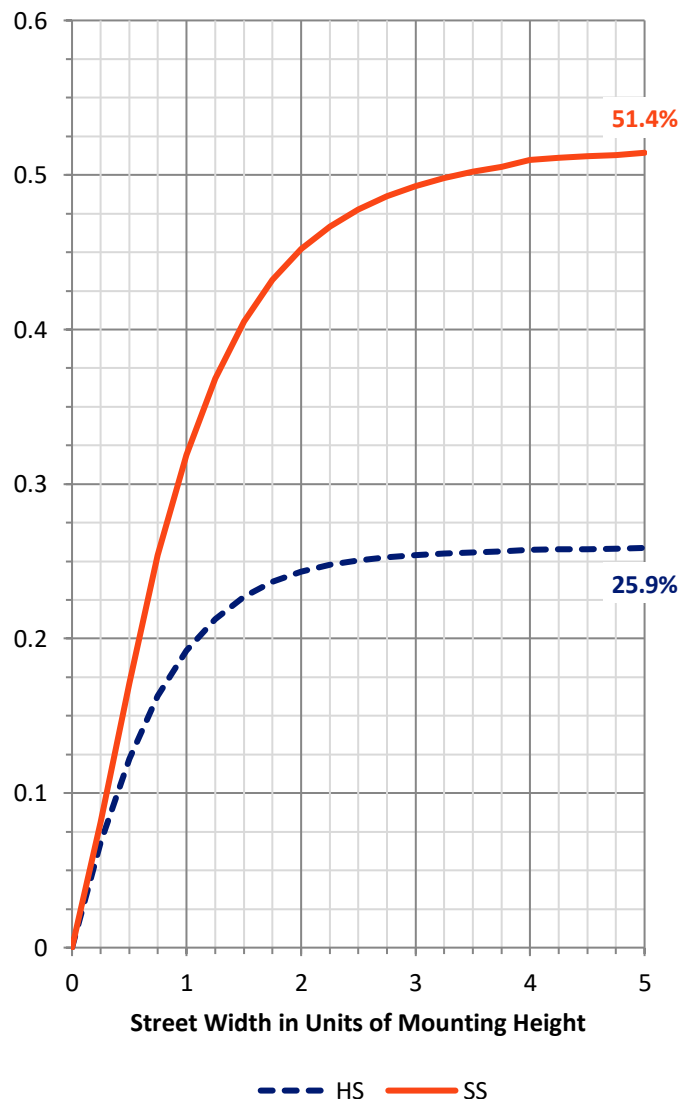
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10060.2	0.0	10060.2
	% Lamp	26.0	0.0	26.0
Street Side	Lumens	19898.8	0.0	19898.8
	% Lamp	51.4	0.0	51.4
Total	Lumens	29959.0	0.0	29959.0
	% Lamp	77.4	0.0	77.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	492.8	1.6	1.3
10°-20°	1614.9	5.4	4.2
20°-30°	2975.6	9.9	7.7
30°-40°	4339.4	14.5	11.2
40°-50°	5356.0	17.9	13.8
50°-60°	5981.9	20.0	15.5
60°-70°	5603.0	18.7	14.5
70°-80°	3322.7	11.1	8.6
80°-90°	272.8	0.9	0.7
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°	29959.0	100.0	77.4
0°-180°	29959.0	100.0	77.4

Coefficient of Utilization



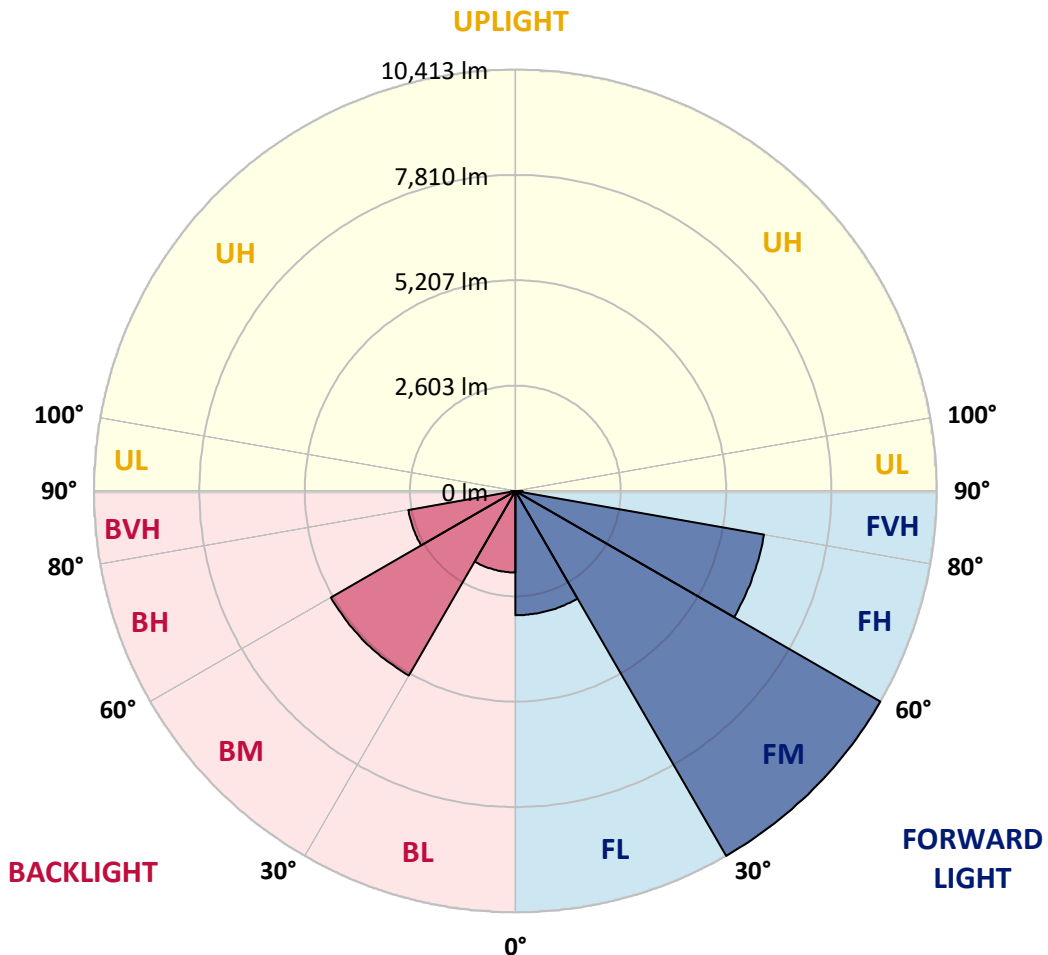
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3070.4	7.9			
FM (30°-60°)	10413.4	26.9			
FH (60°-80°)	6238.0	16.1			G3/7500
FVH (80°-90°)	177.0	0.5			G2/225
BL (0°-30°)	2012.8	5.2	B3/2500		
BM (30°-60°)	5264.0	13.6	B4/8500		
BH (60°-80°)	2687.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	95.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	8736.0	22.6			

BUG Rating: B4-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4
1°	5089.7	5090.1	5083.9	5074.1	5060.7	5042.0	5005.9	4987.0	4969.5	4956.6	4946.4
2°	5178.6	5175.2	5158.1	5132.6	5101.8	5064.0	5008.1	4970.5	4936.7	4909.4	4889.3
3°	5275.8	5268.6	5241.0	5200.3	5148.4	5090.2	5014.3	4958.4	4909.2	4868.3	4840.9
4°	5385.7	5372.9	5334.1	5276.1	5202.5	5123.3	5025.9	4951.3	4884.9	4833.0	4797.8
5°	5506.2	5488.4	5434.8	5357.7	5263.6	5161.2	5043.0	4949.0	4867.3	4803.9	4760.9
6°	5636.9	5613.4	5547.4	5449.5	5330.3	5201.5	5061.4	4950.0	4853.1	4778.5	4726.2
7°	5780.6	5752.9	5669.5	5549.3	5401.1	5244.3	5081.2	4951.9	4842.1	4756.3	4699.7
8°	5932.1	5898.4	5801.6	5655.9	5477.5	5291.7	5104.5	4956.5	4833.0	4739.4	4679.7
9°	6099.9	6057.8	5944.2	5770.1	5560.1	5343.3	5130.9	4962.4	4824.7	4728.8	4662.4
10°	6280.8	6231.6	6095.8	5892.3	5647.9	5397.7	5157.8	4969.6	4817.5	4720.3	4648.2
11°	6473.0	6416.1	6261.1	6024.9	5740.7	5456.4	5188.7	4979.8	4815.1	4713.7	4636.4
12°	6680.0	6614.0	6434.6	6163.9	5838.2	5518.2	5209.6	4981.1	4817.7	4708.5	4629.9
13°	6907.6	6828.0	6619.9	6312.6	5942.8	5570.1	5233.2	4983.7	4808.4	4705.3	4623.2
14°	7145.3	7052.8	6812.4	6466.8	6053.8	5626.6	5261.6	4987.5	4802.9	4705.9	4573.4
15°	7391.2	7289.2	7015.9	6624.8	6156.2	5686.6	5293.7	4998.7	4797.9	4695.7	4542.3
16°	7642.8	7524.2	7224.3	6791.3	6266.5	5753.3	5337.6	5019.0	4799.8	4679.4	4543.2
17°	7892.6	7766.4	7434.6	6961.5	6379.7	5827.2	5376.8	5033.7	4806.4	4641.1	4549.3
18°	8139.6	8002.6	7646.1	7134.9	6491.2	5907.2	5421.2	5055.1	4812.1	4618.3	4557.8
19°	8381.9	8234.1	7856.2	7304.5	6612.5	5983.3	5474.1	5087.2	4825.1	4617.9	4570.3
20°	8616.5	8461.7	8059.8	7457.5	6733.3	6064.4	5531.3	5122.4	4846.4	4621.8	4580.9
21°	8836.4	8679.2	8257.3	7623.1	6862.1	6154.1	5587.9	5150.6	4866.7	4628.9	4582.1
22°	9044.7	8885.2	8447.0	7772.6	6981.2	6249.5	5635.2	5161.3	4872.4	4647.4	4581.3
23°	9242.1	9085.7	8633.6	7919.7	7106.7	6347.1	5664.4	5180.4	4853.5	4665.0	4543.5
24°	9430.3	9274.6	8814.0	8066.0	7230.4	6434.9	5703.1	5215.2	4859.0	4673.6	4392.0
25°	9606.0	9459.7	8989.7	8213.1	7353.0	6514.5	5756.7	5235.6	4863.9	4682.9	4339.2
26°	9760.9	9621.5	9160.8	8353.3	7478.2	6582.6	5809.6	5257.1	4870.0	4698.1	4347.1
27°	9896.3	9768.6	9323.4	8490.3	7602.7	6660.6	5848.2	5292.9	4896.9	4700.1	4359.8
28°	10027.2	9901.0	9476.7	8625.0	7724.8	6752.6	5900.8	5329.5	4923.6	4610.9	4368.0
29°	10158.8	10034.9	9615.3	8751.2	7836.1	6851.4	5967.5	5359.2	4934.4	4526.0	4374.5
30°	10318.3	10187.5	9753.1	8881.3	7942.2	6937.0	6035.6	5376.9	4940.5	4485.6	4383.0
31°	10449.2	10327.6	9897.1	9023.0	8027.3	7020.8	6096.8	5401.5	4962.0	4477.1	4395.7
32°	10548.3	10438.3	10031.8	9170.9	8126.4	7108.2	6146.5	5438.0	4986.6	4482.2	4291.8
33°	10587.7	10502.6	10148.8	9310.2	8244.1	7205.5	6195.7	5472.0	4990.3	4499.7	4171.9
34°	10566.1	10495.6	10216.9	9438.0	8368.0	7309.1	6257.6	5492.7	5006.4	4519.7	4162.9
35°	10494.1	10436.0	10216.1	9533.2	8485.7	7414.5	6328.4	5523.6	5020.6	4533.7	4169.0
36°	10397.3	10349.3	10165.0	9593.6	8590.2	7512.3	6397.4	5561.4	5031.2	4537.3	4183.7
37°	10312.1	10251.7	10091.5	9604.5	8659.1	7587.3	6449.0	5589.4	5024.2	4532.6	4209.3
38°	10275.0	10189.8	10021.8	9583.6	8701.7	7656.5	6503.9	5615.1	4939.7	4417.7	4221.2
39°	10263.3	10160.4	9975.3	9554.9	8715.6	7716.9	6577.5	5639.4	4876.6	4355.0	4225.9
40°	10260.2	10144.9	9953.6	9537.1	8714.1	7760.2	6647.3	5664.7	4857.6	4383.3	4079.2
41°	10257.1	10136.4	9942.8	9530.9	8726.5	7793.5	6700.7	5682.6	4890.4	4412.6	4017.1
42°	10247.1	10127.8	9936.6	9529.4	8753.6	7826.8	6738.6	5692.7	4923.0	4412.5	4037.2
43°	10224.6	10117.8	9932.0	9537.1	8785.3	7856.2	6765.2	5725.5	4911.7	4422.7	4031.9
44°	10191.3	10102.3	9923.4	9551.8	8820.2	7887.2	6787.1	5757.6	4913.3	4450.3	4027.4



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10144.1	10077.5	9910.3	9566.5	8852.7	7928.2	6813.8	5798.4	4940.9	4469.8	4026.2
46°	10089.9	10045.8	9893.3	9575.8	8885.2	7977.8	6840.8	5784.9	4971.8	4342.8	3830.0
47°	10027.2	10010.9	9873.1	9582.8	8917.7	8029.7	6861.2	5749.0	4978.4	4253.1	3778.9
48°	9962.2	9969.9	9850.7	9591.3	8949.5	8078.4	6899.8	5766.2	4974.5	4260.6	3793.3
49°	9892.5	9928.1	9822.0	9594.4	8986.6	8124.1	6943.8	5801.5	4883.5	4287.7	3793.0
50°	9816.6	9884.7	9788.7	9586.7	9014.5	8165.1	6983.1	5826.4	4840.0	4286.0	3769.5
51°	9733.0	9832.1	9748.5	9571.9	9047.0	8200.0	7014.5	5833.8	4847.8	4279.3	3556.5
52°	9637.0	9770.9	9703.6	9558.8	9082.6	8232.5	7012.3	5856.6	4848.9	4126.3	3553.1
53°	9533.2	9697.4	9652.5	9544.1	9112.8	8255.7	6975.9	5867.8	4884.3	4082.0	3579.2
54°	9417.1	9607.6	9600.6	9525.5	9128.3	8277.4	6937.4	5854.3	4883.4	4090.5	3599.7
55°	9285.5	9503.0	9541.0	9502.3	9133.7	8290.6	6931.8	5846.2	4876.2	4086.1	3391.3
56°	9133.7	9378.4	9469.7	9469.7	9133.7	8296.0	6933.3	5827.6	4837.5	4010.6	3345.5
57°	8968.0	9236.7	9385.3	9432.6	9131.4	8304.5	6925.5	5811.4	4764.5	3887.2	3347.4
58°	8783.0	9072.6	9283.9	9390.8	9121.3	8316.9	6895.5	5749.7	4749.5	3925.9	3187.1
59°	8581.7	8887.5	9173.2	9341.2	9106.6	8322.3	6865.3	5721.1	4739.1	3970.5	3093.7
60°	8346.3	8678.5	9040.0	9279.3	9080.3	8315.3	6833.5	5675.8	4720.5	3939.4	3086.4
61°	8048.2	8434.6	8893.7	9200.3	9042.4	8288.2	6784.5	5623.4	4678.4	3815.8	2862.3
62°	7693.2	8138.8	8726.5	9102.8	8995.9	8231.7	6715.4	5563.3	4624.1	3795.9	2842.5
63°	7296.6	7803.6	8538.3	8988.2	8933.2	8139.6	6625.3	5492.8	4609.5	3739.0	2681.0
64°	6905.0	7456.6	8327.7	8861.2	8851.1	8021.9	6520.0	5414.9	4559.4	3670.2	2607.0
65°	6565.7	7117.7	8098.6	8718.7	8755.9	7892.6	6414.7	5350.3	4458.2	3635.1	2423.4
66°	6295.8	6820.4	7847.7	8551.5	8640.5	7774.9	6277.9	5269.1	4460.9	3545.3	2339.7
67°	6119.4	6567.1	7607.6	8364.1	8497.3	7637.7	6118.7	5159.4	4489.7	3509.9	2152.2
68°	6028.5	6379.4	7378.0	8148.9	8327.0	7467.5	5892.8	5034.3	4511.7	3437.0	1996.4
69°	5946.7	6244.7	7165.4	7916.6	8119.5	7248.8	5628.4	4882.3	4407.9	3376.3	1814.0
70°	5725.5	6119.9	6960.2	7664.8	7880.2	6928.7	5220.6	4664.1	4293.1	3317.9	1680.0
71°	5288.3	5907.4	6775.8	7408.5	7602.8	6511.8	4695.8	4363.3	4198.1	3241.2	1584.1
72°	4711.7	5546.1	6600.9	7145.5	7295.5	6019.6	4177.0	4036.9	4073.0	3154.7	1488.2
73°	4139.9	5049.8	6404.5	6889.0	6943.2	5468.0	3710.8	3701.4	3878.7	3061.3	1392.3
74°	3599.2	4499.3	6169.0	6628.1	6536.7	4909.7	3277.1	3363.9	3676.9	2938.2	1302.2
75°	2820.6	3893.8	5865.5	6310.4	6094.9	4318.0	2752.3	3017.2	3464.3	2774.0	1174.5
76°	1772.0	3147.5	5436.7	5944.2	5571.4	3666.9	2007.2	2612.8	3239.7	2571.8	1040.6
77°	837.5	2092.2	4876.7	5436.1	4974.4	2771.7	1262.1	1958.1	3011.0	2282.0	912.4
78°	657.8	1051.1	4189.5	4773.7	4260.4	1744.8	528.1	1303.4	2753.4	1901.0	779.9
79°	486.8	806.3	3276.4	3957.9	3422.5	870.8	240.7	655.2	2340.8	1520.0	661.5
80°	315.8	561.6	2100.9	2960.2	2428.1	648.0	206.4	480.3	1672.0	1139.5	571.5
81°	287.3	316.9	1090.2	1887.8	1409.1	434.2	172.1	305.3	1005.4	841.4	575.1
82°	261.3	280.1	816.3	908.0	634.1	220.4	137.9	134.6	440.3	687.9	535.6
83°	236.5	251.0	554.2	697.4	434.8	185.9	118.2	109.3	333.9	586.2	428.6
84°	211.2	222.6	292.1	490.3	238.1	157.6	99.1	87.7	227.4	465.1	295.3
85°	185.7	194.5	236.4	283.2	191.1	130.7	80.4	69.1	122.7	330.5	211.3
86°	158.3	168.2	189.9	240.8	153.2	103.9	62.3	53.1	101.2	265.1	128.2
87°	131.2	142.9	157.0	192.1	122.0	79.4	44.5	39.5	78.6	199.7	83.8
88°	107.0	118.4	125.0	137.3	94.5	60.3	31.6	28.1	52.2	134.4	57.3
89°	87.6	92.8	91.7	81.3	72.5	41.2	18.7	16.8	36.3	69.0	30.9



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4	5013.4
1°	4941.9	4942.3	4948.6	4959.1	4974.3	4991.5	5009.8	5011.7	5030.3	5048.8	5065.0
2°	4880.1	4878.0	4886.9	4905.0	4931.4	4962.9	4999.7	5020.4	5057.6	5094.1	5127.3
3°	4826.3	4822.1	4833.4	4857.5	4892.4	4938.4	4991.6	5031.9	5088.8	5145.6	5197.6
4°	4779.3	4774.0	4787.4	4815.5	4859.8	4918.8	4988.0	5047.0	5125.0	5203.6	5274.5
5°	4735.9	4730.4	4745.3	4778.8	4830.3	4902.2	4986.5	5064.8	5163.4	5264.7	5359.1
6°	4699.7	4694.0	4710.2	4745.2	4805.7	4887.8	4988.9	5086.1	5205.8	5331.1	5451.0
7°	4670.5	4663.3	4681.6	4719.9	4782.5	4876.8	4992.7	5108.7	5251.8	5403.7	5549.6
8°	4644.8	4636.0	4655.7	4700.7	4765.8	4867.1	4998.0	5132.4	5300.6	5480.9	5654.2
9°	4621.1	4611.1	4632.4	4682.2	4754.5	4858.1	5003.4	5158.9	5352.2	5563.9	5768.4
10°	4601.9	4591.3	4612.8	4666.7	4745.6	4851.2	5013.0	5190.0	5407.4	5651.6	5888.6
11°	4588.4	4577.4	4599.0	4655.0	4738.8	4850.4	5024.8	5224.9	5469.4	5745.6	6018.9
12°	4559.7	4526.6	4570.3	4647.7	4734.9	4853.9	5027.2	5248.0	5535.1	5844.1	6157.4
13°	4507.4	4475.3	4517.9	4643.7	4732.9	4846.0	5035.3	5276.5	5588.5	5954.5	6306.2
14°	4483.6	4470.6	4493.9	4591.3	4734.2	4844.0	5042.9	5305.1	5648.9	6063.2	6464.2
15°	4486.3	4470.7	4494.2	4557.3	4725.3	4844.6	5059.8	5341.7	5710.8	6167.1	6628.5
16°	4489.4	4474.1	4497.6	4560.7	4719.5	4853.1	5075.7	5385.5	5780.5	6278.2	6800.9
17°	4496.9	4479.7	4505.8	4568.4	4684.2	4858.4	5095.8	5428.7	5864.3	6392.2	6977.1
18°	4502.0	4480.2	4511.3	4578.7	4666.4	4868.7	5124.4	5475.9	5938.1	6517.9	7150.0
19°	4505.5	4481.1	4516.0	4593.9	4660.0	4889.9	5158.9	5533.7	6020.4	6644.0	7312.6
20°	4509.0	4462.4	4521.3	4604.9	4665.6	4915.3	5192.7	5592.3	6106.6	6777.9	7482.7
21°	4417.1	4279.0	4436.1	4605.6	4681.4	4934.8	5220.2	5644.8	6204.9	6904.0	7646.0
22°	4285.2	4231.9	4311.5	4608.5	4701.3	4943.5	5235.3	5691.9	6303.5	7034.8	7798.2
23°	4264.4	4237.2	4290.1	4582.1	4716.2	4932.5	5266.3	5725.4	6399.3	7167.6	7953.8
24°	4272.4	4249.0	4299.9	4428.9	4728.5	4944.8	5306.0	5772.2	6487.9	7297.9	8105.5
25°	4287.3	4265.2	4315.9	4387.8	4740.2	4953.7	5329.8	5832.0	6564.6	7430.8	8250.3
26°	4304.5	4279.8	4335.2	4402.6	4758.6	4960.5	5359.0	5879.9	6643.9	7559.9	8395.1
27°	4318.9	4296.6	4351.9	4415.2	4759.5	4991.1	5401.9	5926.7	6735.3	7687.4	8532.9
28°	4334.0	4266.7	4371.8	4425.3	4675.7	5016.5	5441.9	5988.1	6838.3	7806.7	8671.5
29°	4258.3	4097.2	4291.5	4431.8	4594.9	5025.0	5468.5	6057.3	6939.0	7923.6	8812.4
30°	4115.9	4084.3	4150.6	4445.9	4552.5	5033.7	5492.0	6126.1	7027.6	8029.7	8955.6
31°	4110.7	4106.8	4144.7	4460.0	4546.6	5058.0	5527.1	6185.6	7125.4	8135.7	9100.4
32°	4127.2	4135.1	4161.8	4344.4	4559.2	5081.8	5569.0	6238.2	7237.0	8250.3	9242.1
33°	4147.7	4162.0	4182.8	4226.3	4580.6	5086.2	5608.7	6301.1	7353.0	8370.3	9377.6
34°	4167.4	4183.9	4200.9	4221.8	4601.9	5103.5	5630.8	6379.0	7459.0	8489.6	9497.6
35°	4183.1	4202.3	4215.6	4227.2	4611.9	5116.0	5668.6	6455.7	7549.6	8605.7	9578.1
36°	4188.9	3976.7	4217.2	4245.3	4613.5	5124.9	5705.8	6526.6	7628.1	8686.2	9613.0
37°	3960.4	3944.4	3983.5	4268.8	4606.7	5114.3	5736.0	6578.6	7696.0	8734.2	9613.7
38°	3913.2	3967.3	3946.8	4276.7	4492.8	5034.7	5762.1	6640.4	7750.9	8753.6	9589.0
39°	3927.7	3994.9	3961.1	4289.3	4433.7	4980.1	5778.0	6703.8	7795.8	8758.2	9558.0
40°	3947.2	4019.1	3975.7	4142.3	4468.1	4964.4	5798.7	6752.3	7829.9	8766.7	9541.0
41°	3948.9	3997.3	3977.0	4089.5	4491.5	4996.6	5803.9	6795.6	7856.2	8786.1	9534.0
42°	3909.5	3748.6	3940.0	4103.5	4487.8	5015.9	5813.2	6833.0	7887.2	8810.1	9544.8
43°	3687.6	3730.1	3723.8	4095.7	4506.9	4994.7	5849.0	6864.3	7921.3	8838.7	9565.7
44°	3669.1	3743.5	3709.9	4091.7	4533.6	5003.3	5886.5	6892.2	7963.8	8870.5	9585.1

REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3687.9	3750.3	3727.1	4091.2	4551.5	5036.5	5926.3	6923.6	8012.6	8901.4	9602.1
46°	3690.8	3643.7	3726.7	3884.9	4420.7	5066.4	5896.4	6946.2	8059.1	8939.4	9619.2
47°	3596.0	3414.6	3622.8	3854.1	4337.9	5082.2	5866.8	6974.4	8106.3	8981.2	9633.1
48°	3399.5	3415.3	3443.7	3864.7	4352.2	5069.9	5892.6	7017.7	8152.8	9021.5	9639.3
49°	3414.2	3419.8	3461.6	3863.5	4380.3	4980.2	5935.3	7055.0	8197.7	9056.3	9635.4
50°	3433.1	3418.0	3482.1	3831.5	4373.0	4956.8	5957.5	7085.9	8237.1	9095.0	9627.7
51°	3443.9	3104.0	3497.2	3629.0	4359.8	4965.5	5968.1	7102.7	8269.7	9128.3	9619.2
52°	3176.4	3072.7	3218.9	3634.6	4200.4	4974.7	5991.5	7079.3	8296.0	9155.4	9608.3
53°	3140.8	3068.5	3187.6	3661.3	4176.3	5006.1	5995.5	7033.2	8320.0	9171.7	9595.2
54°	3133.2	2835.3	3179.3	3680.4	4189.3	5001.6	5980.9	7007.0	8331.6	9177.1	9578.1
55°	2914.6	2693.2	2948.8	3459.4	4186.6	4992.0	5968.8	7004.0	8336.3	9176.3	9558.8
56°	2801.1	2686.5	2847.7	3423.4	4094.0	4949.8	5943.8	7004.9	8338.6	9177.9	9532.5
57°	2798.0	2389.5	2843.6	3426.6	4001.8	4879.8	5916.9	6988.1	8343.2	9171.7	9494.5
58°	2529.8	2320.7	2565.4	3247.6	4042.7	4868.7	5845.8	6945.5	8340.9	9154.6	9441.1
59°	2461.5	2267.1	2504.4	3180.4	4086.3	4852.7	5822.5	6911.2	8332.4	9131.4	9375.3
60°	2347.3	1922.6	2364.0	3165.6	4032.7	4829.4	5755.3	6870.5	8303.7	9098.9	9301.0
61°	2119.9	1751.0	2160.4	2938.2	3922.1	4774.1	5694.3	6816.3	8247.2	9056.3	9218.9
62°	2019.6	1579.5	2026.0	2924.5	3903.4	4722.9	5619.3	6742.3	8155.1	8993.6	9128.3
63°	1818.9	1407.0	1833.3	2736.3	3831.5	4702.5	5537.4	6638.7	8045.1	8913.8	9019.9
64°	1618.3	1141.0	1640.7	2678.3	3770.9	4638.9	5455.6	6533.7	7914.3	8822.5	8887.5
65°	1415.9	879.9	1447.9	2483.0	3727.4	4545.5	5376.4	6410.2	7791.2	8709.4	8729.6
66°	1154.2	657.5	1170.0	2388.2	3636.4	4558.1	5272.8	6242.0	7657.3	8577.8	8553.8
67°	937.6	437.3	921.5	2216.1	3600.9	4573.5	5137.5	6052.9	7494.3	8424.5	8360.3
68°	685.8	217.0	680.8	2039.2	3511.3	4558.1	4988.4	5797.5	7280.9	8242.6	8152.0
69°	496.7	0.5	477.5	1824.8	3435.3	4407.1	4810.8	5457.0	7003.0	8027.3	7924.4
70°	446.9	0.4	418.2	1694.3	3363.8	4265.4	4551.3	4962.7	6642.2	7778.0	7670.3
71°	398.0	0.4	364.8	1589.5	3270.2	4136.2	4207.8	4406.7	6176.6	7492.2	7397.2
72°	343.8	0.4	310.5	1484.7	3172.5	3980.9	3853.1	3900.2	5635.9	7177.4	7132.4
73°	285.7	0.4	252.4	1379.5	3047.3	3764.6	3522.3	3474.8	5072.4	6792.1	6858.7
74°	233.6	0.5	196.1	1260.8	2873.2	3557.2	3188.5	2999.7	4489.2	6326.1	6565.4
75°	184.9	0.5	161.0	1117.0	2675.9	3347.2	2755.6	2316.7	3867.9	5798.8	6227.4
76°	136.5	0.6	148.9	988.5	2415.4	3100.8	2102.5	1455.0	3107.0	5217.1	5823.2
77°	105.2	0.7	163.1	867.4	2063.4	2832.2	1449.3	694.6	2146.9	4577.4	5299.5
78°	113.2	0.8	150.2	745.8	1709.1	2464.1	798.0	443.8	1171.9	3809.4	4540.6
79°	153.6	1.0	137.4	651.8	1355.0	1822.5	327.0	204.7	861.1	2937.5	3637.0
80°	158.4	1.1	124.2	600.0	1004.4	1180.9	234.3	173.7	550.4	1925.9	2599.0
81°	143.5	1.3	77.6	554.9	797.4	553.2	142.9	151.6	239.8	980.6	1543.3
82°	104.4	1.5	43.0	474.6	666.0	411.6	117.4	131.4	202.8	727.3	671.3
83°	65.4	1.6	32.8	347.7	517.0	269.9	97.1	112.0	174.6	475.6	483.5
84°	39.0	1.8	22.6	220.8	344.1	129.7	79.6	93.1	148.7	223.9	316.2
85°	29.8	2.0	12.5	94.9	227.9	106.5	63.4	73.3	122.2	176.7	275.2
86°	20.5	2.2	10.5	55.9	112.1	84.7	48.9	56.2	96.6	141.9	231.4
87°	11.5	2.5	9.1	33.9	59.6	62.5	36.1	39.2	73.2	112.5	182.0
88°	9.0	2.7	7.7	24.0	41.1	43.2	25.5	22.1	54.0	85.4	125.0
89°	6.2	2.9	5.8	14.1	22.7	23.9	14.9	9.7	34.8	66.2	72.6



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5013.4	5013.4	5013.4
1°	5077.5	5086.8	5089.7
2°	5154.4	5173.2	5178.6
3°	5239.1	5266.2	5275.8
4°	5332.7	5372.9	5385.7
5°	5438.0	5488.7	5506.2
6°	5548.4	5614.1	5636.9
7°	5669.8	5752.0	5780.6
8°	5800.7	5899.3	5932.1
9°	5940.3	6057.7	6099.9
10°	6092.4	6230.9	6280.8
11°	6256.2	6416.4	6473.0
12°	6429.3	6613.1	6680.0
13°	6615.3	6828.5	6907.6
14°	6810.1	7051.5	7145.3
15°	7016.3	7286.1	7391.2
16°	7226.1	7528.6	7642.8
17°	7444.8	7775.7	7892.6
18°	7663.3	8018.8	8139.6
19°	7878.7	8251.1	8381.9
20°	8086.9	8476.4	8616.5
21°	8288.2	8692.4	8836.4
22°	8477.9	8893.7	9044.7
23°	8663.0	9094.2	9242.1
24°	8838.7	9289.3	9430.3
25°	9016.0	9475.9	9606.0
26°	9193.3	9645.5	9760.9
27°	9360.6	9797.2	9896.3
28°	9505.4	9928.9	10027.2
29°	9639.3	10060.5	10158.8
30°	9781.8	10210.7	10318.3
31°	9924.2	10349.3	10449.2
32°	10055.1	10451.5	10548.3
33°	10147.2	10504.1	10587.7
34°	10191.3	10499.5	10566.1
35°	10184.4	10439.1	10494.1
36°	10145.7	10347.0	10397.3
37°	10079.1	10252.5	10312.1
38°	10015.6	10192.1	10275.0
39°	9977.6	10163.5	10263.3
40°	9960.6	10150.3	10260.2
41°	9952.9	10144.1	10257.1
42°	9945.1	10140.2	10247.1
43°	9937.4	10132.5	10224.6
44°	9931.2	10119.3	10191.3



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	9925.0	10094.6	10144.1
46°	9917.3	10062.8	10089.9
47°	9905.6	10027.2	10027.2
48°	9887.8	9986.9	9962.2
49°	9861.5	9945.1	9892.5
50°	9828.2	9902.5	9816.6
51°	9784.9	9856.1	9733.0
52°	9737.6	9797.2	9637.0
53°	9688.9	9724.5	9533.2
54°	9639.3	9634.7	9417.1
55°	9584.3	9529.4	9285.5
56°	9517.7	9404.7	9133.7
57°	9434.9	9265.3	8968.0
58°	9328.8	9096.6	8783.0
59°	9212.7	8910.7	8581.7
60°	9079.5	8707.1	8346.3
61°	8929.3	8473.3	8048.2
62°	8759.8	8189.9	7693.2
63°	8580.1	7859.3	7296.6
64°	8381.2	7501.5	6905.0
65°	8157.4	7165.0	6565.7
66°	7919.7	6868.8	6295.8
67°	7680.9	6623.6	6119.4
68°	7438.7	6429.4	6028.5
69°	7227.8	6286.2	5946.7
70°	7048.9	6158.9	5725.5
71°	6863.5	5961.1	5288.3
72°	6660.2	5606.0	4711.7
73°	6459.6	5106.9	4139.9
74°	6225.8	4545.7	3599.2
75°	5870.4	3932.9	2820.6
76°	5398.9	3180.0	1772.0
77°	4853.2	2196.7	837.5
78°	4179.2	1175.8	657.8
79°	3235.7	885.9	486.8
80°	2003.7	606.2	315.8
81°	1011.8	326.5	287.3
82°	758.1	284.3	261.3
83°	526.7	256.5	236.5
84°	295.4	227.0	211.2
85°	232.6	196.8	185.7
86°	189.2	168.8	158.3
87°	155.7	143.0	131.2
88°	123.6	117.6	107.0
89°	88.8	91.9	87.6



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



REPORT NUMBER: P1436784

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)