

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: P1436783

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436783
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)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 3
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

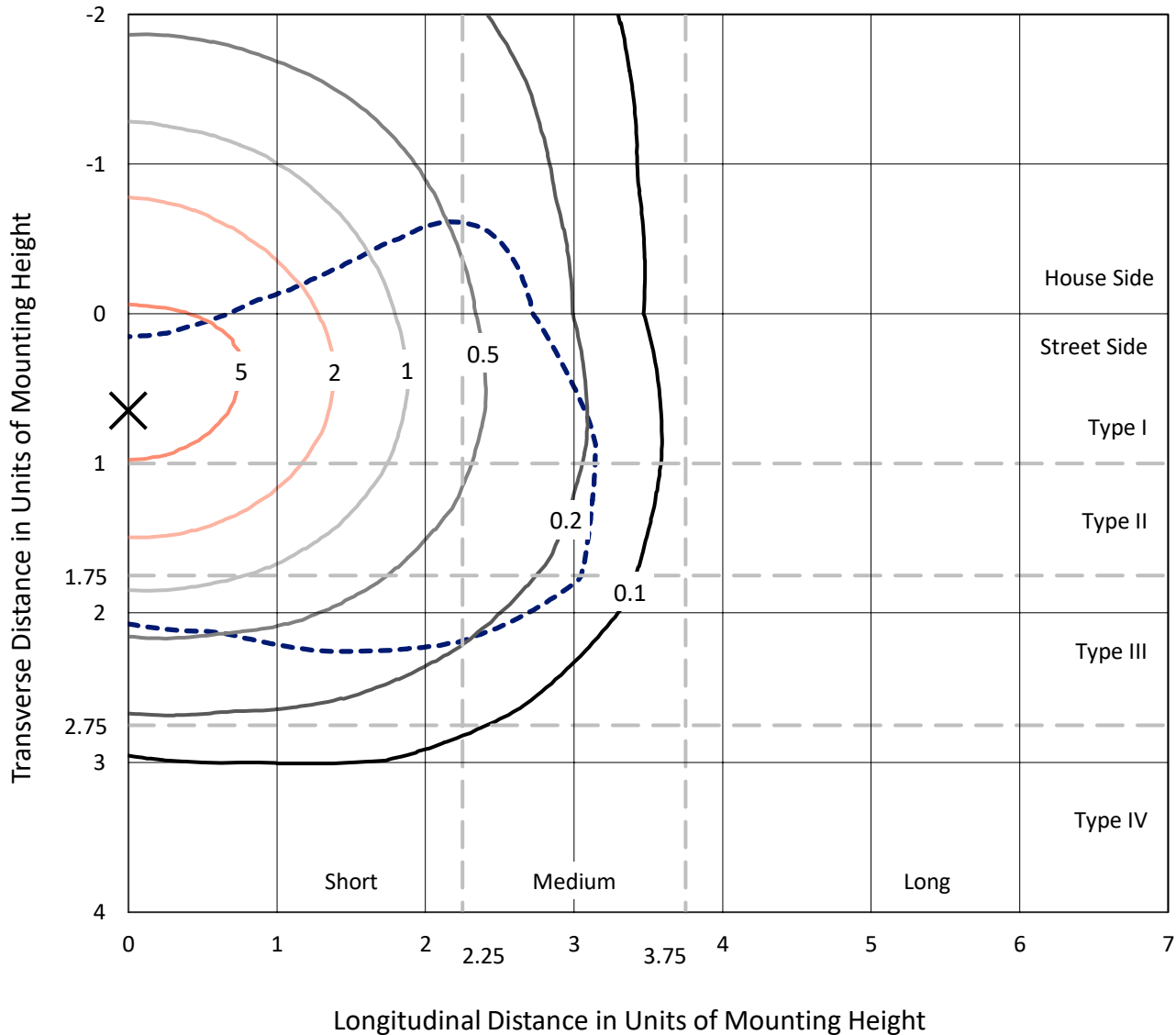
Lumens per Lamp: 45292 (1 lamp)
Luminaire Lumens: 35357.5 lumens
Efficiency: 78.1%
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 247.7
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

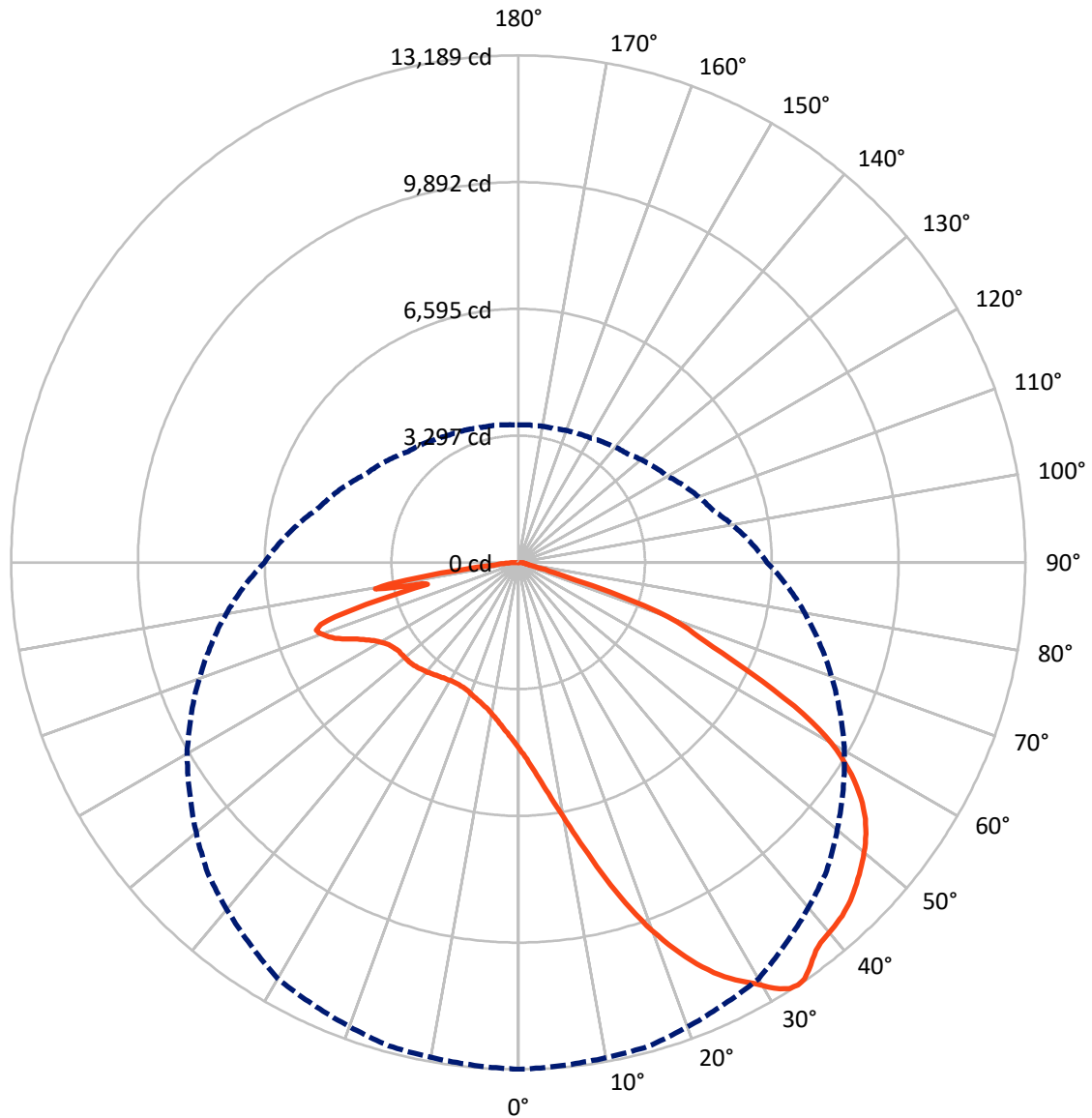
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - 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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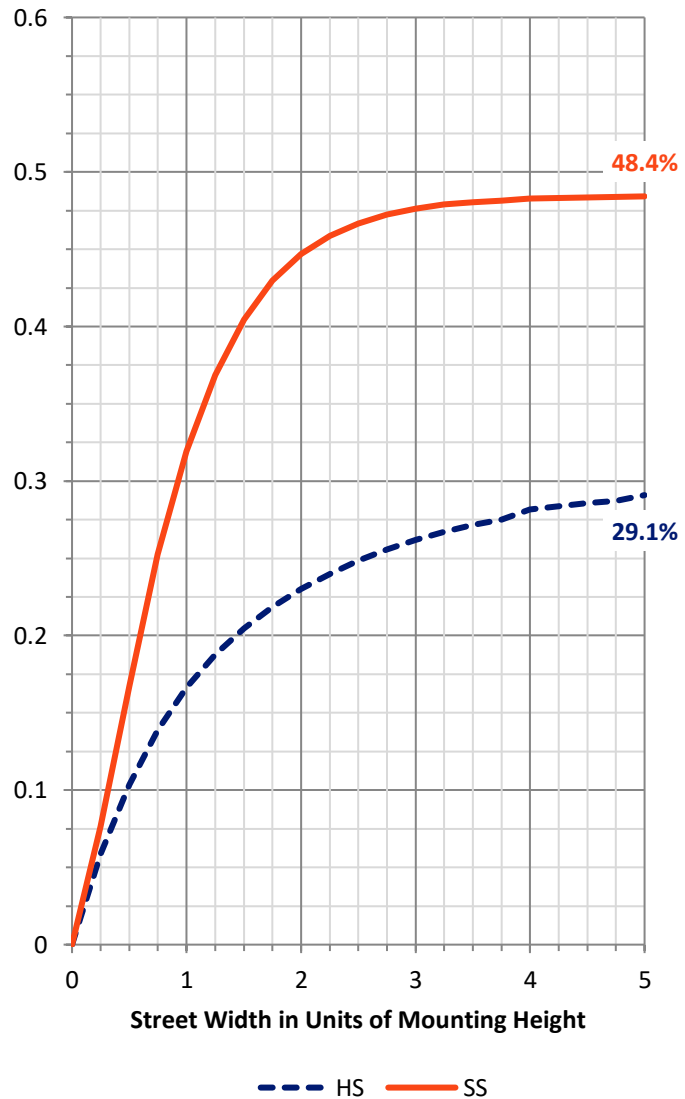
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13407.6	0.0	13407.6
	% Lamp	29.6	0.0	29.6
Street Side	Lumens	21950.0	0.0	21950.0
	% Lamp	48.5	0.0	48.5
Total	Lumens	35357.5	0.0	35357.5
	% Lamp	78.1	0.0	78.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	482.5	1.4	1.1
10°-20°	1639.9	4.6	3.6
20°-30°	3175.8	9.0	7.0
30°-40°	4801.6	13.6	10.6
40°-50°	6060.3	17.1	13.4
50°-60°	6990.5	19.8	15.4
60°-70°	6968.6	19.7	15.4
70°-80°	4544.4	12.9	10.0
80°-90°	693.9	2.0	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°	35357.5	100.0	78.1
0°-180°	35357.5	100.0	78.1

Coefficient of Utilization



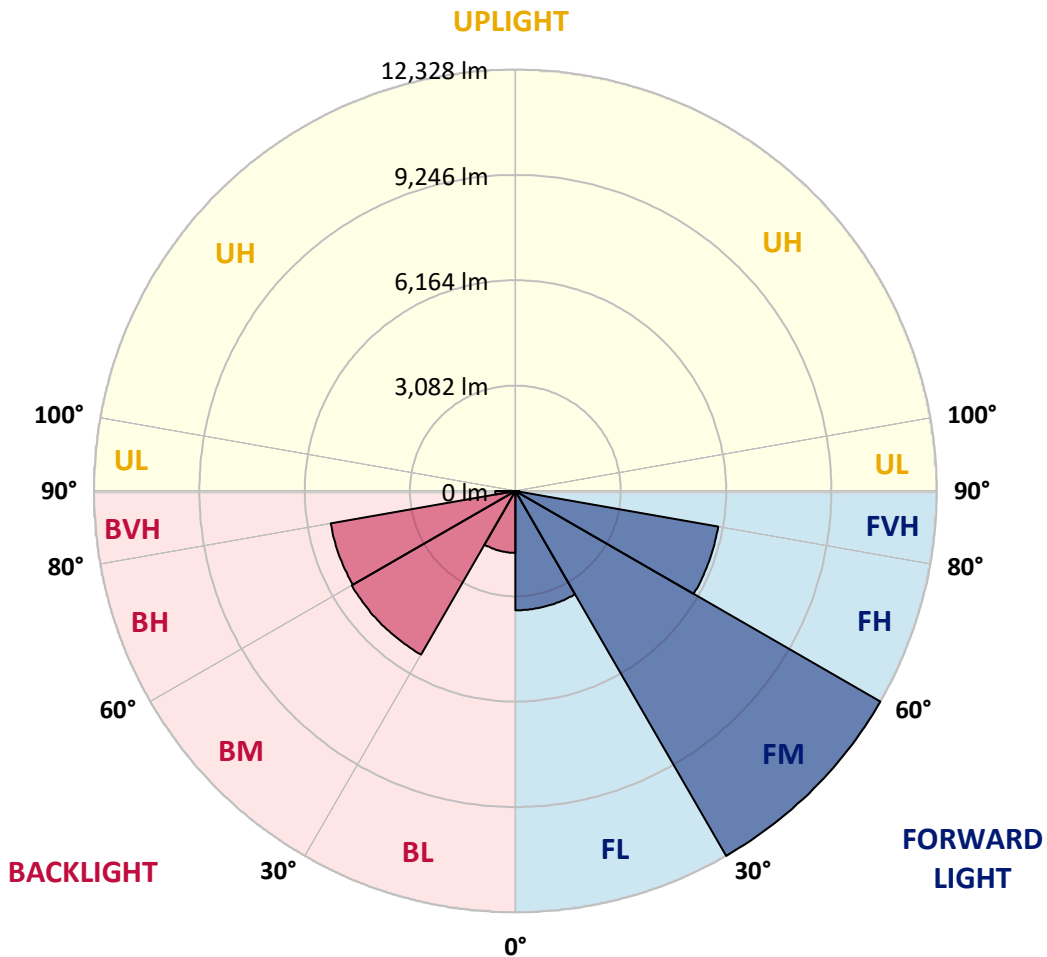
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3489.2	7.7			
FM (30°-60°)	12327.8	27.2			
FH (60°-80°)	6026.2	13.3			G3/7500
FVH (80°-90°)	106.8	0.2			G2/225
BL (0°-30°)	1809.0	4.0	B3/2500		
BM (30°-60°)	5524.6	12.2	B4/8500		
BH (60°-80°)	5486.9	12.1	B5		G5
BVH (80°-90°)	587.1	1.3			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	9934.5	21.9			

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3
1°	4990.2	4988.6	4977.0	4960.4	4936.8	4909.0	4853.9	4822.9	4796.7	4774.5	4758.8
2°	5129.5	5122.6	5096.3	5053.8	5001.0	4941.8	4854.9	4793.5	4740.3	4695.9	4664.8
3°	5284.4	5269.0	5224.3	5156.2	5072.0	4979.4	4859.4	4769.0	4689.5	4625.0	4578.6
4°	5457.6	5432.4	5368.6	5272.5	5151.9	5023.6	4869.5	4748.9	4645.7	4561.1	4502.6
5°	5644.8	5613.5	5525.9	5395.0	5241.4	5074.6	4885.4	4734.9	4605.4	4504.3	4432.4
6°	5853.1	5812.6	5700.7	5534.1	5337.2	5128.3	4902.8	4722.9	4570.7	4452.2	4363.1
7°	6075.8	6029.9	5891.2	5683.8	5439.6	5186.6	4922.6	4713.7	4538.8	4399.7	4296.5
8°	6316.3	6255.8	6093.0	5845.5	5550.4	5249.7	4947.2	4707.6	4509.6	4350.2	4236.3
9°	6575.5	6505.1	6313.2	6017.7	5668.5	5318.8	4975.8	4703.5	4480.0	4304.7	4179.4
10°	6853.5	6770.3	6542.4	6203.9	5796.3	5392.9	5007.6	4702.3	4453.5	4264.1	4127.4
11°	7155.0	7057.2	6793.4	6401.1	5930.5	5472.2	5041.1	4703.0	4427.6	4225.3	4079.7
12°	7468.3	7357.2	7057.7	6607.1	6074.7	5556.9	5079.2	4707.5	4406.1	4189.6	4037.6
13°	7810.5	7685.5	7334.8	6825.2	6227.6	5646.2	5122.3	4714.0	4387.4	4156.3	3998.7
14°	8171.2	8027.6	7630.3	7056.0	6389.1	5741.9	5171.5	4723.7	4370.0	4126.4	3964.2
15°	8540.5	8378.9	7933.1	7293.9	6554.2	5840.1	5222.5	4737.2	4357.0	4099.5	3934.5
16°	8916.7	8734.9	8243.8	7541.8	6728.9	5944.5	5277.1	4753.7	4347.0	4075.4	3905.6
17°	9293.8	9092.4	8556.9	7790.2	6909.9	6057.3	5334.5	4771.8	4338.3	4054.7	3881.2
18°	9663.8	9449.2	8872.2	8043.2	7095.7	6172.9	5395.6	4793.9	4332.5	4037.6	3859.4
19°	10025.3	9795.0	9179.8	8295.3	7278.8	6290.7	5459.0	4819.1	4332.0	4022.4	3840.9
20°	10370.3	10132.2	9479.6	8542.0	7465.7	6410.9	5524.8	4846.4	4333.5	4011.6	3825.6
21°	10699.8	10456.2	9770.8	8787.9	7653.2	6535.0	5591.2	4875.2	4337.0	4003.0	3810.6
22°	10999.6	10756.0	10044.0	9026.0	7838.6	6658.7	5658.8	4905.6	4344.4	3996.2	3797.5
23°	11292.3	11049.5	10311.0	9258.7	8029.1	6787.2	5725.5	4935.4	4352.4	3992.2	3788.3
24°	11563.2	11322.8	10571.0	9481.9	8209.5	6910.9	5792.2	4964.9	4361.8	3989.3	3779.1
25°	11822.4	11589.0	10822.3	9702.1	8386.7	7036.2	5859.3	4992.3	4373.0	3988.8	3771.2
26°	12045.6	11823.9	11066.7	9916.0	8563.1	7166.7	5926.7	5021.5	4385.9	3988.0	3763.2
27°	12241.6	12033.2	11300.1	10121.3	8741.9	7298.0	5995.2	5050.5	4398.3	3988.0	3756.1
28°	12418.0	12218.2	11513.2	10329.0	8912.1	7426.8	6066.6	5078.4	4410.3	3989.1	3749.9
29°	12603.8	12396.2	11713.1	10530.4	9079.1	7563.2	6141.1	5108.2	4422.4	3989.3	3746.3
30°	12827.9	12608.5	11917.6	10734.1	9245.4	7703.2	6219.1	5139.9	4436.3	3990.1	3744.8
31°	13011.3	12805.2	12133.9	10942.6	9418.7	7840.2	6300.0	5172.6	4451.6	3993.1	3743.7
32°	13144.8	12956.7	12336.8	11147.9	9602.2	7976.0	6383.9	5208.4	4468.1	3998.3	3743.2
33°	13189.3	13039.4	12506.2	11345.4	9798.1	8111.9	6470.1	5242.4	4484.1	4003.3	3742.2
34°	13145.6	13023.8	12610.8	11528.8	9989.4	8266.5	6559.1	5283.6	4499.5	4010.1	3742.2
35°	13022.3	12921.6	12622.6	11667.0	10148.6	8428.8	6651.0	5327.4	4517.6	4019.1	3745.5
36°	12862.2	12787.3	12557.0	11746.7	10289.9	8589.6	6744.9	5373.5	4539.6	4030.6	3755.0
37°	12721.7	12631.1	12452.4	11757.6	10393.0	8721.6	6841.2	5415.2	4563.2	4046.7	3771.0
38°	12642.9	12525.8	12343.9	11716.2	10462.5	8835.6	6939.6	5456.9	4588.1	4068.8	3794.2
39°	12596.8	12469.5	12260.3	11664.7	10488.2	8925.3	7039.1	5501.6	4615.1	4096.6	3819.9
40°	12560.9	12432.1	12215.1	11629.6	10479.6	8984.7	7124.1	5549.1	4644.9	4128.9	3849.0
41°	12520.3	12401.6	12189.3	11609.3	10477.3	9015.9	7191.1	5603.9	4678.9	4164.8	3877.9
42°	12469.5	12368.1	12170.6	11608.5	10491.3	9043.2	7240.2	5650.9	4715.1	4202.2	3904.6
43°	12406.3	12329.8	12148.7	11623.3	10514.0	9078.3	7275.2	5688.2	4757.0	4243.1	3928.4
44°	12329.8	12283.0	12122.2	11640.5	10542.9	9131.4	7308.7	5722.2	4799.8	4283.3	3950.2



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12236.1	12222.9	12088.6	11652.2	10582.7	9189.2	7348.6	5760.4	4842.9	4324.3	3969.3
46°	12132.3	12151.0	12046.4	11656.9	10626.4	9247.0	7395.2	5801.0	4885.8	4364.1	3985.7
47°	12023.8	12071.4	11994.1	11653.8	10674.8	9306.3	7442.9	5847.6	4927.6	4401.3	4001.4
48°	11912.9	11988.7	11935.6	11640.5	10717.7	9363.3	7490.7	5898.0	4971.8	4437.4	4017.1
49°	11800.5	11897.3	11862.2	11619.4	10756.0	9419.5	7536.5	5952.4	5018.0	4471.6	4037.0
50°	11680.3	11802.1	11782.6	11589.0	10785.7	9471.8	7580.6	6012.8	5063.6	4502.5	4058.9
51°	11547.6	11694.3	11692.8	11551.5	10812.2	9518.6	7619.4	6073.6	5109.0	4535.1	4085.2
52°	11396.9	11568.7	11592.1	11504.6	10834.1	9560.8	7653.9	6131.8	5153.4	4568.7	4115.1
53°	11229.1	11426.6	11487.5	11453.1	10845.0	9595.1	7684.6	6190.4	5204.7	4605.8	4152.1
54°	11031.6	11255.6	11373.5	11389.1	10847.3	9623.2	7711.4	6246.0	5261.3	4646.7	4192.7
55°	10815.3	11053.4	11246.2	11311.8	10842.6	9644.3	7735.3	6299.6	5318.1	4693.9	4237.9
56°	10562.4	10822.3	11098.7	11222.0	10826.3	9657.6	7757.3	6354.1	5377.4	4746.2	4284.3
57°	10277.4	10560.8	10927.7	11119.0	10798.1	9663.1	7773.1	6406.1	5443.2	4805.1	4334.4
58°	9953.5	10262.6	10730.2	11000.3	10752.9	9659.2	7781.3	6453.9	5512.2	4869.5	4392.2
59°	9609.2	9934.0	10510.9	10870.0	10693.5	9644.3	7783.1	6494.0	5583.9	4938.4	4453.4
60°	9196.2	9570.2	10265.0	10721.6	10617.0	9615.4	7776.7	6533.4	5655.6	5012.3	4520.4
61°	8689.6	9153.3	9988.6	10549.9	10520.2	9567.0	7758.2	6567.3	5733.9	5093.5	4593.6
62°	8089.2	8651.3	9679.5	10350.8	10410.2	9498.3	7726.2	6593.0	5814.5	5182.1	4673.6
63°	7409.7	8090.0	9321.9	10126.8	10281.3	9420.3	7692.7	6610.4	5895.0	5277.6	4756.2
64°	6721.1	7482.5	8928.5	9875.4	10130.7	9323.5	7646.2	6617.6	5969.4	5382.7	4846.6
65°	6076.8	6875.1	8481.9	9592.0	9963.6	9206.4	7581.7	6614.4	6041.6	5496.3	4953.2
66°	5528.7	6295.1	8012.0	9270.4	9770.8	9074.4	7490.8	6601.7	6101.7	5615.1	5083.0
67°	5100.1	5761.4	7537.1	8908.2	9539.7	8903.5	7364.3	6560.5	6162.3	5741.9	5231.1
68°	4758.1	5296.9	7051.3	8506.1	9279.0	8682.5	7180.7	6486.5	6214.3	5877.9	5398.7
69°	4411.1	4900.5	6568.2	8066.6	8968.3	8413.2	6909.3	6348.6	6258.6	6021.7	5588.9
70°	3867.6	4499.9	6087.5	7602.1	8603.7	8079.1	6504.4	6108.0	6284.5	6173.5	5797.5
71°	3018.2	3975.8	5623.7	7131.5	8194.6	7648.2	5953.7	5755.2	6269.7	6334.9	6021.3
72°	2004.6	3245.4	5151.2	6663.9	7734.4	7142.3	5348.3	5327.0	6200.0	6496.5	6230.5
73°	1124.4	2352.9	4641.6	6196.1	7237.1	6534.3	4748.4	4902.8	6060.9	6664.1	6453.8
74°	853.2	1472.1	4067.7	5712.4	6671.9	5847.6	4179.8	4558.6	5870.5	6811.0	6682.2
75°	587.9	826.5	3430.2	5173.8	6064.0	5074.6	3529.6	4246.7	5653.3	6901.1	6861.8
76°	322.6	644.9	2712.7	4574.2	5379.1	4264.5	2610.9	3765.2	5483.7	6898.5	6969.8
77°	271.8	474.1	2025.7	3808.2	4604.4	3321.9	1692.2	2972.5	5346.5	6781.5	6934.6
78°	237.0	303.4	1489.0	2878.8	3737.4	2275.5	782.5	2119.7	5173.1	6510.9	6636.3
79°	212.2	256.2	1073.6	1847.6	2819.0	1301.5	344.3	1266.9	4726.2	6024.5	5922.1
80°	190.6	222.5	756.2	990.5	1951.5	662.6	241.7	427.7	3803.4	5228.1	5116.9
81°	170.2	193.5	535.4	755.5	1122.2	456.4	209.0	278.1	2701.5	4240.0	4443.0
82°	150.8	168.8	317.3	534.2	812.4	259.5	183.8	225.9	1599.6	3234.4	3979.5
83°	130.7	148.0	256.1	312.9	513.7	211.2	158.6	186.5	521.5	2447.8	3725.0
84°	110.9	125.5	210.7	268.0	215.2	176.9	133.4	147.4	346.5	1878.9	2821.9
85°	90.6	103.8	157.9	229.7	166.4	144.0	109.8	116.9	283.2	1310.0	1918.8
86°	69.8	82.6	110.9	191.4	129.0	109.6	86.1	90.2	228.5	741.7	1016.5
87°	49.0	62.2	82.6	147.4	95.7	78.9	62.1	67.0	173.7	512.1	549.2
88°	28.2	41.9	57.5	97.4	66.5	54.9	39.5	46.4	119.5	282.5	411.9
89°	13.1	21.6	32.4	51.7	37.3	31.1	27.6	32.3	80.9	56.3	274.6



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

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: P1436783

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

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: P1436783

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

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: P1436783

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3	4865.3
1°	4751.2	4751.3	4759.5	4775.5	4798.0	4826.3	4856.0	4864.0	4893.8	4923.8	4949.3
2°	4647.1	4644.5	4657.4	4685.6	4727.2	4778.7	4837.2	4874.5	4936.1	4997.1	5049.2
3°	4553.4	4548.3	4564.5	4601.5	4659.9	4733.9	4820.6	4888.8	4983.2	5077.0	5158.6
4°	4469.3	4461.4	4481.1	4526.8	4598.9	4693.5	4805.4	4904.8	5032.8	5163.2	5280.5
5°	4388.0	4378.7	4402.2	4455.9	4541.9	4653.5	4792.7	4923.4	5085.6	5255.4	5408.8
6°	4310.5	4296.9	4323.2	4387.0	4487.2	4618.6	4783.4	4946.7	5142.9	5351.8	5547.7
7°	4235.5	4220.0	4249.4	4320.3	4433.2	4586.2	4774.8	4970.6	5205.6	5456.7	5697.1
8°	4167.5	4148.8	4180.5	4260.8	4382.1	4553.2	4768.1	4996.5	5270.5	5569.2	5854.8
9°	4102.2	4080.8	4115.4	4201.5	4335.7	4521.1	4763.7	5025.1	5339.6	5687.7	6026.6
10°	4042.7	4019.7	4055.2	4146.2	4292.0	4492.3	4763.0	5057.9	5415.5	5813.2	6208.9
11°	3989.1	3963.5	4000.9	4096.5	4251.7	4468.4	4765.6	5096.6	5499.1	5949.1	6403.2
12°	3943.4	3913.1	3950.2	4051.0	4214.3	4448.5	4772.4	5139.3	5587.5	6092.8	6609.5
13°	3901.5	3867.2	3907.2	4008.9	4179.8	4431.8	4782.2	5183.7	5679.6	6248.3	6829.3
14°	3861.8	3825.9	3866.7	3973.8	4148.8	4417.5	4793.7	5230.6	5775.7	6409.5	7062.1
15°	3828.1	3789.3	3829.7	3941.1	4123.0	4406.1	4807.3	5282.4	5875.4	6578.0	7300.8
16°	3796.4	3755.9	3797.5	3911.1	4101.7	4396.9	4824.7	5339.1	5981.1	6753.4	7552.1
17°	3767.6	3726.4	3769.3	3887.0	4084.7	4392.6	4847.1	5397.3	6093.6	6938.0	7807.4
18°	3742.4	3698.6	3744.5	3864.9	4069.4	4391.7	4871.7	5459.6	6208.2	7123.3	8069.7
19°	3718.6	3670.1	3721.3	3848.6	4057.0	4394.7	4900.2	5525.3	6327.0	7312.9	8327.3
20°	3693.9	3641.0	3699.9	3835.2	4048.1	4401.7	4930.7	5592.1	6447.3	7506.8	8581.1
21°	3668.8	3615.3	3679.0	3825.4	4043.1	4412.8	4964.9	5661.0	6573.4	7702.2	8830.9
22°	3646.0	3590.7	3661.1	3817.3	4039.9	4424.7	4999.8	5729.0	6699.7	7897.2	9067.4
23°	3626.7	3570.4	3644.8	3810.9	4039.7	4438.3	5033.8	5798.3	6832.6	8090.8	9304.7
24°	3609.6	3554.6	3630.8	3805.2	4040.2	4454.3	5067.0	5866.5	6963.1	8282.1	9528.0
25°	3597.1	3542.9	3620.1	3802.6	4040.5	4470.0	5100.9	5937.4	7093.6	8467.9	9746.6
26°	3588.9	3535.2	3614.6	3800.0	4041.7	4486.0	5135.5	6007.2	7225.5	8646.6	9962.1
27°	3584.1	3531.5	3612.8	3796.9	4042.6	4501.3	5168.2	6080.7	7360.2	8830.1	10181.4
28°	3583.2	3532.3	3614.2	3793.5	4044.4	4516.9	5202.3	6156.9	7498.9	9008.1	10404.7
29°	3584.2	3536.1	3617.3	3791.7	4047.5	4530.5	5237.4	6237.6	7645.5	9186.9	10618.6
30°	3586.8	3542.0	3621.3	3789.8	4051.0	4544.6	5275.2	6321.8	7790.1	9374.2	10830.2
31°	3591.4	3550.9	3624.9	3788.3	4056.5	4558.4	5315.4	6411.2	7947.2	9570.9	11051.9
32°	3597.2	3562.6	3629.7	3786.5	4061.7	4571.7	5356.2	6504.4	8104.9	9763.8	11247.0
33°	3603.3	3576.0	3635.8	3786.3	4068.6	4586.8	5398.0	6603.2	8269.6	9946.4	11428.9
34°	3610.7	3588.9	3642.3	3787.9	4076.4	4601.5	5442.9	6704.9	8428.1	10111.9	11578.0
35°	3618.5	3604.9	3650.0	3792.6	4086.9	4620.8	5492.7	6805.9	8571.7	10260.3	11675.6
36°	3628.6	3623.0	3659.1	3803.2	4100.0	4641.0	5540.8	6898.0	8709.1	10370.3	11706.1
37°	3639.9	3640.8	3669.3	3822.8	4118.4	4663.5	5583.1	6989.8	8824.6	10428.9	11693.6
38°	3650.2	3660.5	3678.7	3847.5	4144.9	4687.7	5623.7	7079.8	8904.3	10446.1	11647.5
39°	3659.5	3681.9	3686.2	3877.1	4176.7	4713.4	5657.2	7151.0	8956.6	10446.1	11596.8
40°	3670.4	3705.0	3694.3	3907.5	4211.8	4740.1	5694.3	7206.2	8983.9	10444.5	11570.2
41°	3680.6	3721.7	3703.5	3934.1	4249.5	4770.4	5726.7	7253.5	9005.0	10456.2	11571.8
42°	3689.9	3740.9	3714.0	3960.5	4289.4	4803.2	5762.3	7296.1	9039.3	10478.1	11590.5
43°	3698.9	3760.2	3726.8	3983.5	4328.8	4839.2	5802.9	7340.5	9094.7	10509.3	11615.5
44°	3707.4	3779.6	3739.1	4006.8	4367.2	4879.8	5846.5	7387.0	9154.8	10552.2	11636.6



REPORT NUMBER: P1436783

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3716.8	3797.1	3751.5	4027.7	4405.8	4925.5	5889.2	7433.2	9213.4	10604.5	11650.6
46°	3726.3	3812.4	3763.8	4045.6	4441.0	4974.2	5932.4	7479.2	9267.3	10659.2	11653.0
47°	3739.7	3826.7	3778.8	4062.5	4475.2	5026.6	5981.7	7527.5	9319.6	10711.5	11645.9
48°	3758.3	3834.7	3798.2	4080.1	4506.0	5079.9	6039.2	7569.9	9374.2	10756.0	11629.6
49°	3779.4	3841.3	3821.4	4099.3	4536.7	5130.7	6097.6	7608.3	9428.1	10793.5	11606.1
50°	3801.4	3848.4	3847.5	4122.9	4566.9	5179.2	6157.1	7642.1	9478.0	10819.2	11574.1
51°	3826.2	3855.1	3876.2	4150.2	4598.5	5225.8	6217.1	7671.1	9520.2	10834.8	11536.7
52°	3855.2	3860.1	3906.8	4182.2	4633.9	5274.0	6276.8	7698.8	9553.8	10844.2	11490.6
53°	3888.6	3865.6	3940.1	4218.7	4672.9	5324.4	6335.1	7724.0	9578.7	10847.3	11435.2
54°	3925.6	3877.0	3976.0	4261.3	4717.6	5379.6	6389.2	7744.4	9593.6	10841.1	11370.4
55°	3967.3	3894.4	4016.1	4307.2	4767.9	5438.9	6437.2	7759.6	9599.8	10823.1	11296.2
56°	4013.5	3919.9	4062.0	4356.5	4824.4	5504.7	6484.7	7772.8	9595.1	10791.9	11204.1
57°	4064.5	3951.8	4111.6	4411.0	4888.5	5574.7	6526.1	7780.5	9581.1	10750.5	11090.9
58°	4118.9	3994.1	4167.4	4470.9	4960.3	5647.0	6563.4	7783.8	9558.5	10688.9	10955.8
59°	4182.3	4045.6	4226.5	4537.3	5037.8	5718.6	6597.9	7773.1	9523.3	10613.9	10807.5
60°	4246.0	4107.9	4289.2	4608.0	5120.9	5791.7	6625.6	7752.7	9470.2	10527.3	10645.9
61°	4311.9	4183.5	4358.7	4688.8	5212.2	5862.2	6644.3	7732.1	9407.0	10425.8	10469.5
62°	4383.9	4272.7	4439.3	4772.9	5309.8	5933.5	6653.4	7705.7	9332.1	10303.2	10272.8
63°	4475.8	4375.9	4538.3	4854.1	5412.9	6003.1	6658.5	7665.7	9236.8	10158.0	10045.6
64°	4583.7	4498.6	4650.7	4947.4	5526.9	6068.7	6650.5	7609.1	9123.6	9994.8	9773.9
65°	4706.4	4643.1	4776.8	5062.1	5645.6	6132.4	6627.8	7517.2	8983.9	9801.2	9464.0
66°	4847.7	4806.6	4919.7	5199.6	5769.4	6195.2	6587.9	7384.0	8799.6	9578.0	9118.9
67°	5012.7	4983.2	5084.1	5350.4	5897.2	6242.2	6511.7	7201.9	8567.0	9331.3	8749.7
68°	5188.8	5158.6	5262.6	5520.5	6033.3	6267.5	6388.6	6926.5	8288.3	9037.0	8348.4
69°	5362.1	5284.9	5426.6	5711.7	6174.9	6273.3	6179.1	6521.0	7963.6	8691.9	7916.7
70°	5518.1	5398.2	5573.1	5921.9	6323.7	6244.5	5830.7	5975.4	7549.5	8298.5	7447.5
71°	5663.1	5501.9	5711.9	6137.5	6476.1	6172.2	5377.7	5354.0	7027.5	7851.1	6959.2
72°	5793.3	5540.1	5830.4	6349.7	6629.2	6052.3	4944.6	4757.1	6434.1	7365.3	6468.1
73°	5847.1	5387.6	5873.8	6568.6	6760.2	5869.8	4613.1	4191.6	5736.7	6802.2	5961.6
74°	5728.5	4969.4	5713.3	6769.6	6821.6	5662.7	4322.9	3576.2	4993.9	6166.1	5436.0
75°	5367.8	4110.4	5285.2	6923.2	6811.0	5496.3	3850.5	2686.2	4174.4	5469.3	4858.4
76°	4717.9	3103.0	4613.6	6985.5	6694.4	5403.0	3023.0	1645.7	3271.5	4721.7	4200.1
77°	3820.9	2425.5	3759.0	6903.1	6462.3	5263.9	2144.9	764.3	2264.5	3884.6	3365.8
78°	3196.8	2564.2	3263.4	6495.9	6086.8	4818.3	1266.6	573.0	1290.3	2989.6	2297.2
79°	3339.8	3279.7	3541.0	5717.6	5498.8	3938.1	390.6	395.5	645.9	2134.6	1316.3
80°	4078.0	3780.1	4225.4	4846.0	4696.9	2781.1	277.1	218.0	447.9	1305.4	647.5
81°	4343.1	3413.1	4240.5	4068.2	3721.4	1624.1	225.1	187.2	261.0	662.9	490.6
82°	3428.8	2483.0	3131.2	3742.9	2793.8	484.6	191.1	162.6	213.5	438.3	337.9
83°	2479.9	1552.8	2082.7	3352.6	2126.7	345.1	157.1	138.7	181.1	226.3	290.7
84°	1531.1	632.5	1048.9	2478.8	1459.6	288.5	123.4	114.6	150.3	177.8	251.7
85°	598.3	506.4	570.3	1605.0	800.2	236.0	97.1	90.0	117.6	136.7	214.0
86°	420.9	380.3	395.7	744.4	557.1	183.2	73.6	67.6	86.5	103.2	173.7
87°	243.5	254.1	221.1	596.2	314.1	130.5	52.7	45.3	61.8	73.7	126.1
88°	70.7	128.0	48.0	448.0	74.9	98.9	36.6	23.0	37.3	59.5	69.4
89°	36.9	2.1	25.5	299.8	39.5	67.3	20.4	7.4	12.7	45.4	52.7



REPORT NUMBER: P1436783

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

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: P1436783

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

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: P1436783

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

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: P1436783

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4865.3	4865.3	4865.3
1°	4969.6	4984.8	4990.2
2°	5091.6	5119.5	5129.5
3°	5226.2	5270.7	5284.4
4°	5373.5	5436.9	5457.6
5°	5536.7	5619.0	5644.8
6°	5712.1	5820.2	5853.1
7°	5899.9	6032.7	6075.8
8°	6101.7	6260.3	6316.3
9°	6315.6	6510.3	6575.5
10°	6546.3	6776.6	6853.5
11°	6797.2	7064.2	7155.0
12°	7058.7	7362.3	7468.3
13°	7339.3	7688.9	7810.5
14°	7631.2	8026.8	8171.2
15°	7934.7	8373.4	8540.5
16°	8248.5	8738.8	8916.7
17°	8571.7	9105.7	9293.8
18°	8894.1	9465.6	9663.8
19°	9207.2	9811.4	10025.3
20°	9508.5	10145.5	10370.3
21°	9798.1	10460.9	10699.8
22°	10072.1	10754.4	10999.6
23°	10336.8	11048.0	11292.3
24°	10591.3	11328.2	11563.2
25°	10845.0	11599.9	11822.4
26°	11098.7	11838.0	12045.6
27°	11342.3	12049.6	12241.6
28°	11561.6	12235.3	12418.0
29°	11770.9	12420.4	12603.8
30°	11975.4	12630.4	12827.9
31°	12183.8	12822.4	13011.3
32°	12374.3	12960.6	13144.8
33°	12508.6	13023.0	13189.3
34°	12574.2	13001.2	13145.6
35°	12563.2	12897.4	13022.3
36°	12499.2	12752.1	12862.2
37°	12388.4	12604.6	12721.7
38°	12290.0	12509.4	12642.9
39°	12230.7	12456.3	12596.8
40°	12197.1	12425.1	12560.9
41°	12178.4	12398.5	12520.3
42°	12158.8	12370.4	12469.5
43°	12137.0	12333.7	12406.3
44°	12112.8	12288.4	12329.8



REPORT NUMBER: P1436783

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12080.8	12226.0	12236.1
46°	12042.5	12150.3	12132.3
47°	11996.5	12065.2	12023.8
48°	11938.7	11973.8	11912.9
49°	11868.4	11883.3	11800.5
50°	11787.2	11788.0	11680.3
51°	11692.0	11688.1	11547.6
52°	11584.3	11564.8	11396.9
53°	11475.0	11418.0	11229.1
54°	11359.4	11242.3	11031.6
55°	11231.4	11036.2	10815.3
56°	11083.1	10807.5	10562.4
57°	10907.4	10547.6	10277.4
58°	10703.7	10243.1	9953.5
59°	10475.7	9909.8	9609.2
60°	10216.6	9545.2	9196.2
61°	9919.9	9127.5	8689.6
62°	9596.7	8635.7	8089.2
63°	9250.1	8073.6	7409.7
64°	8858.2	7449.4	6721.1
65°	8426.5	6848.5	6076.8
66°	7951.1	6283.4	5528.7
67°	7468.9	5762.3	5100.1
68°	6978.2	5306.3	4758.1
69°	6509.5	4890.1	4411.1
70°	6058.0	4483.0	3867.6
71°	5590.3	3969.9	3018.2
72°	5071.1	3237.2	2004.6
73°	4546.8	2347.5	1124.4
74°	3987.3	1508.3	853.2
75°	3286.8	876.7	587.9
76°	2548.5	686.0	322.6
77°	1932.1	498.1	271.8
78°	1424.4	310.2	237.0
79°	1025.0	257.7	212.2
80°	782.1	222.2	190.6
81°	540.1	192.5	170.2
82°	298.1	168.7	150.8
83°	244.5	149.9	130.7
84°	196.6	126.7	110.9
85°	140.9	101.7	90.6
86°	103.1	80.2	69.8
87°	74.6	59.5	49.0
88°	48.4	38.8	28.2
89°	22.3	18.2	13.1



REPORT NUMBER: P1436783
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3)

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: P1436783

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

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: P1436783
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)