

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: P1436785

Luminaire Tested: XAS300-SFPM (3000K-240W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436785  
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-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 80% (240W)  
OPTICS - TYPE 4  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

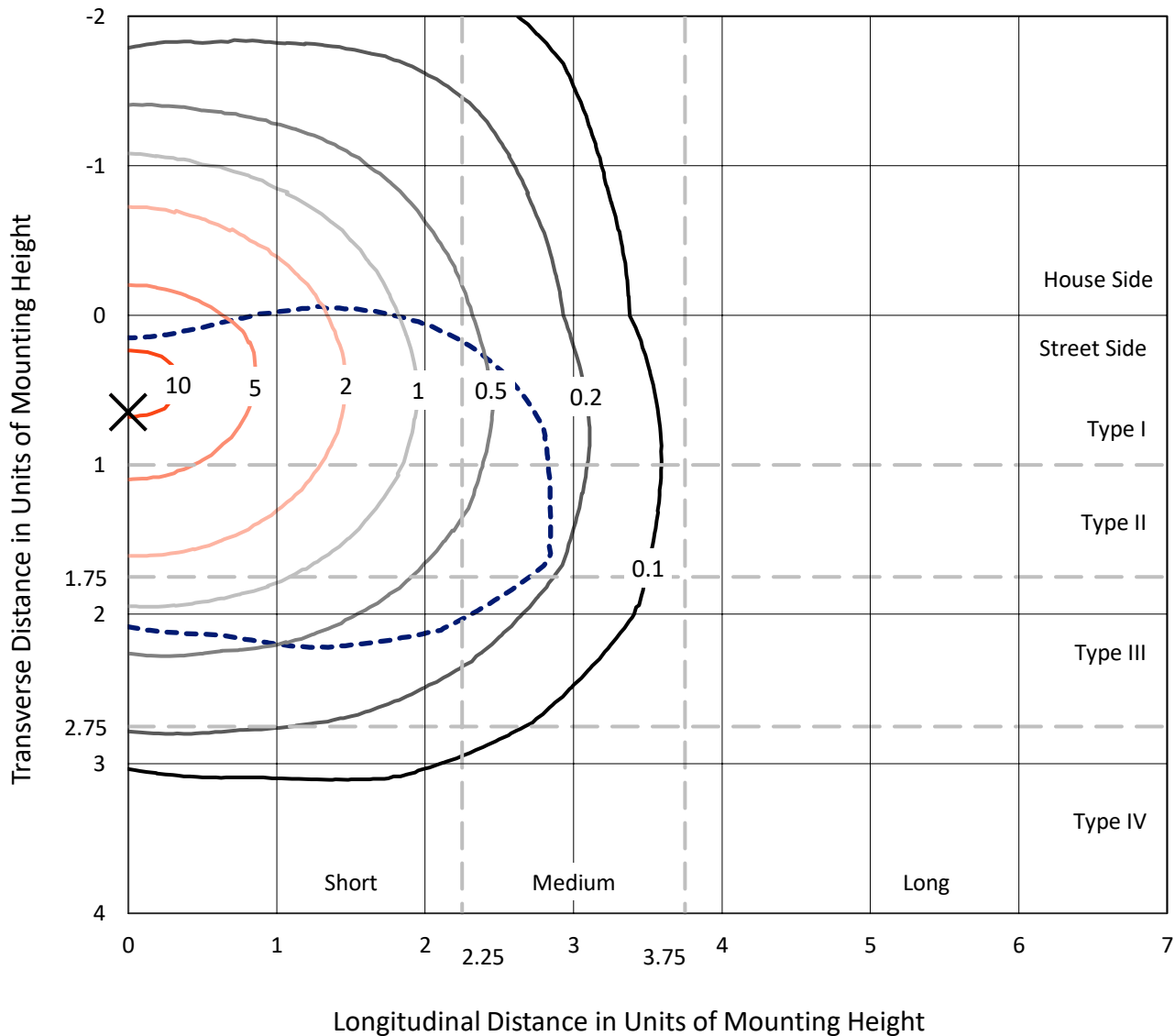
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 36348.5 lumens  
Efficiency: 94.7%  
Efficacy: 150.0 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 242.4  
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

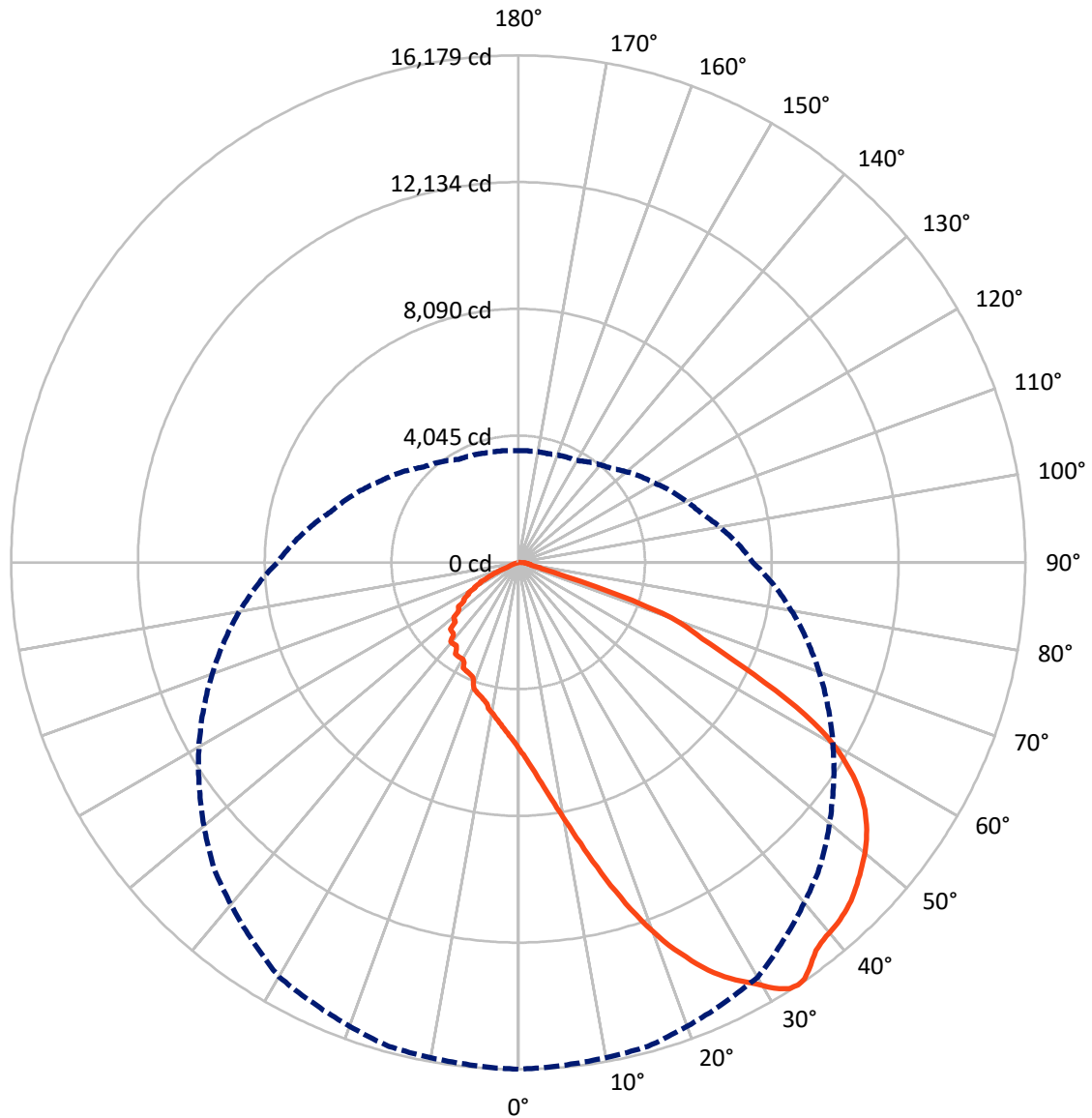
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.9 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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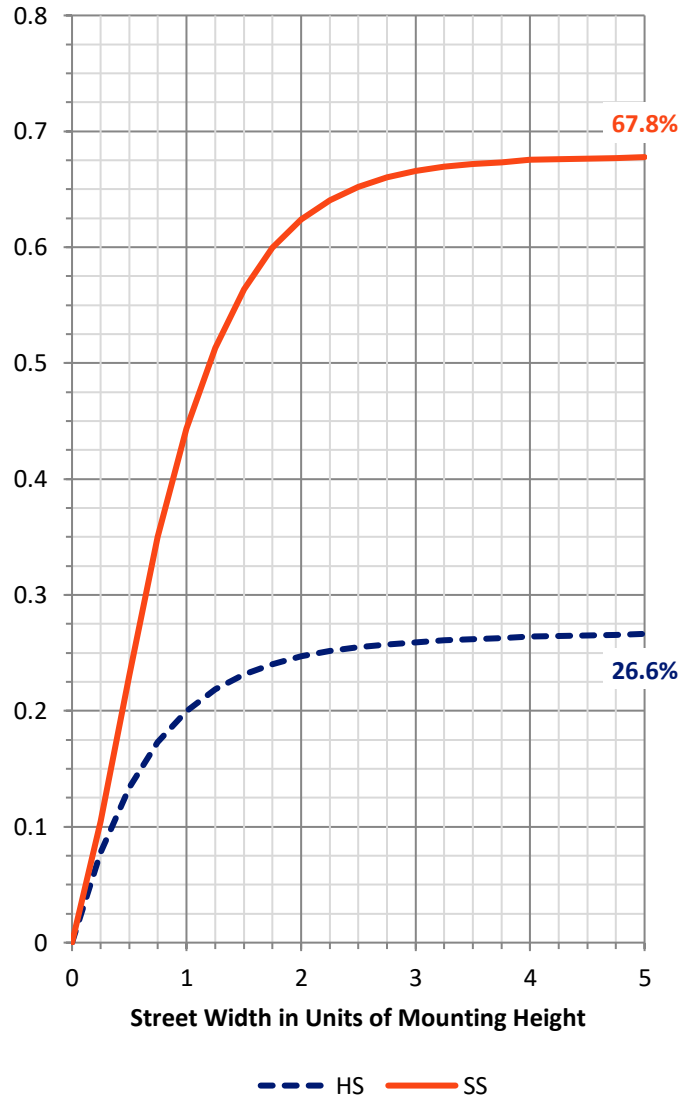
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10291.7	0.0	10291.7
	% Lamp	26.8	0.0	26.8
<b>Street Side</b>	Lumens	26056.7	0.0	26056.7
	% Lamp	67.9	0.0	67.9
<b>Total</b>	Lumens	36348.5	0.0	36348.5
	% Lamp	94.7	0.0	94.7

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	592.9	1.6	1.5
10°-20°	1996.6	5.5	5.2
20°-30°	3787.8	10.4	9.9
30°-40°	5580.6	15.4	14.5
40°-50°	6801.6	18.7	17.7
50°-60°	7440.0	20.5	19.4
60°-70°	6582.9	18.1	17.2
70°-80°	3261.0	9.0	8.5
80°-90°	305.1	0.8	0.8
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°	36348.5	100.0	94.7
0°-180°	36348.5	100.0	94.7

**Coefficient of Utilization**



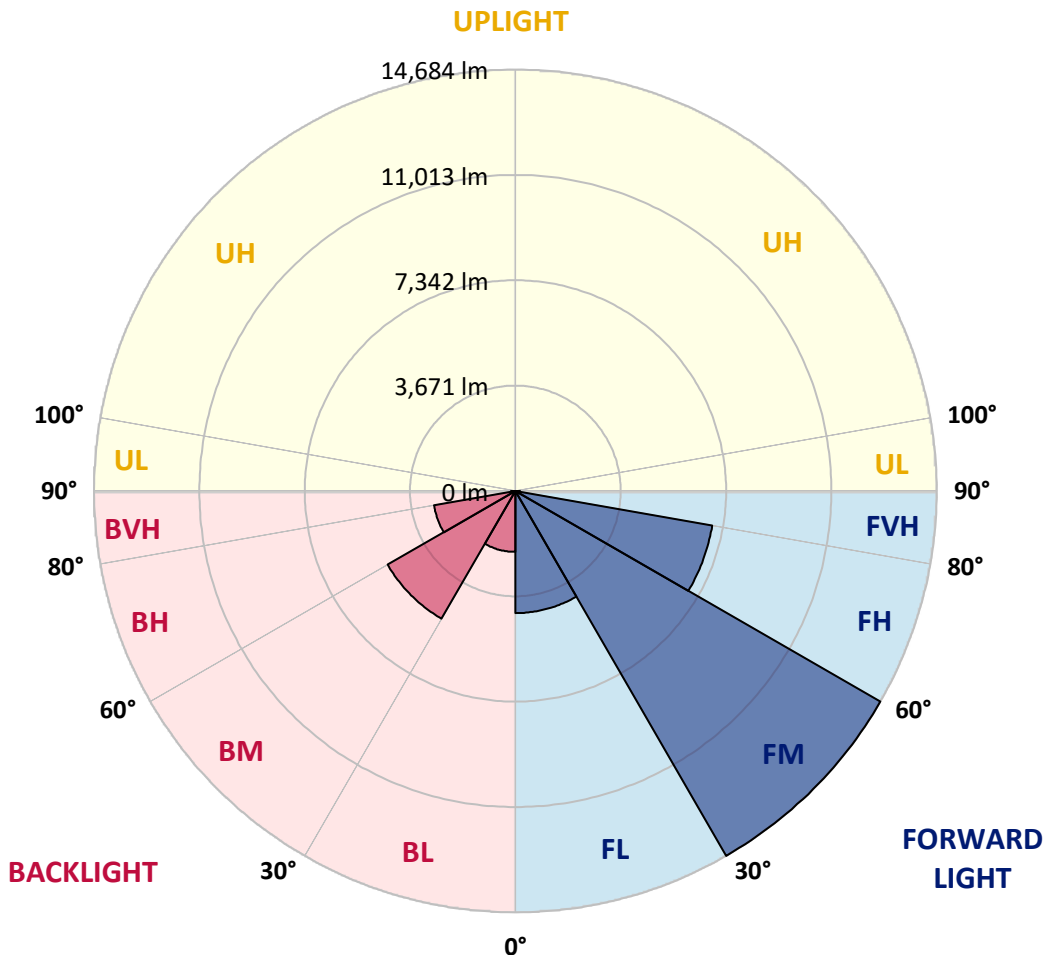
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4254.0	11.1			
FM (30°-60°)	14684.0	38.3			
FH (60°-80°)	6963.9	18.1			G3/7500
FVH (80°-90°)	154.9	0.4			G2/225
BL (0°-30°)	2123.3	5.5	B3/2500		
BM (30°-60°)	5138.2	13.4	B4/8500		
BH (60°-80°)	2880.0	7.5	B4/5000		G4/5000
BVH (80°-90°)	150.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	2027.5	5.3			

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1
1°	6137.6	6135.8	6121.4	6099.6	6069.6	6032.2	5974.5	5935.8	5899.6	5871.1	5850.0
2°	6312.6	6302.7	6268.2	6217.0	6150.3	6074.4	5975.0	5898.0	5828.8	5772.5	5731.1
3°	6502.0	6484.8	6428.5	6346.5	6238.8	6120.5	5980.8	5866.9	5766.4	5684.2	5623.7
4°	6715.4	6686.6	6607.5	6489.3	6339.1	6178.5	5994.5	5843.4	5709.1	5600.6	5525.0
5°	6948.6	6912.9	6803.2	6643.2	6451.9	6243.6	6015.7	5827.3	5659.0	5528.7	5433.4
6°	7204.4	7156.4	7019.7	6816.7	6572.2	6313.3	6037.9	5813.9	5615.4	5460.6	5344.2
7°	7478.9	7422.3	7253.0	7000.1	6701.1	6386.7	6064.4	5802.6	5575.3	5393.2	5262.4
8°	7774.6	7704.7	7502.9	7202.0	6839.2	6465.7	6094.3	5794.6	5537.8	5331.7	5188.3
9°	8092.9	8007.7	7773.0	7414.5	6987.9	6551.6	6129.2	5787.4	5500.2	5277.0	5117.9
10°	8431.5	8333.0	8055.4	7643.4	7143.8	6642.7	6165.0	5783.9	5462.5	5226.6	5051.5
11°	8796.2	8683.6	8365.8	7885.0	7310.4	6742.6	6205.5	5783.9	5429.5	5178.4	4989.7
12°	9186.8	9053.4	8691.7	8138.1	7484.9	6846.3	6234.7	5772.4	5401.6	5129.6	4934.6
13°	9606.1	9449.6	9029.3	8408.0	7674.3	6934.6	6262.7	5757.5	5361.3	5084.3	4882.0
14°	10038.9	9869.4	9386.9	8690.8	7870.8	7028.9	6302.3	5749.3	5323.8	5044.4	4805.4
15°	10490.7	10294.7	9758.6	8984.0	8054.1	7131.8	6345.4	5746.9	5288.0	4992.7	4702.1
16°	10952.0	10733.2	10137.4	9284.6	8249.2	7241.4	6402.9	5759.0	5259.2	4945.1	4654.0
17°	11415.1	11169.8	10524.8	9590.0	8447.5	7362.3	6453.0	5761.8	5240.0	4876.2	4617.1
18°	11864.1	11604.6	10904.6	9895.9	8644.0	7490.1	6509.9	5772.1	5215.3	4798.0	4583.7
19°	12306.4	12028.9	11282.5	10187.6	8855.4	7611.4	6576.5	5797.9	5201.4	4756.8	4555.5
20°	12730.7	12435.2	11648.1	10466.1	9061.5	7742.4	6649.9	5825.5	5197.1	4724.1	4525.4
21°	13132.3	12828.3	11996.7	10753.1	9279.6	7878.6	6724.7	5847.6	5196.8	4696.9	4490.6
22°	13500.8	13197.7	12331.0	11016.4	9481.0	8026.7	6786.8	5845.9	5182.9	4680.4	4451.7
23°	13858.8	13556.7	12660.7	11272.1	9693.2	8177.7	6822.6	5852.3	5154.4	4669.5	4418.1
24°	14190.3	13897.6	12977.0	11522.2	9900.6	8314.3	6870.0	5878.8	5121.9	4647.2	4250.5
25°	14508.6	14216.8	13282.9	11777.0	10101.4	8439.6	6938.4	5891.4	5100.3	4627.7	4123.4
26°	14778.5	14505.7	13582.2	12015.6	10308.9	8547.9	7009.4	5899.8	5077.6	4610.3	4095.4
27°	15015.3	14759.6	13866.4	12249.6	10515.3	8670.7	7054.8	5925.4	5080.7	4587.7	4076.0
28°	15232.2	14986.9	14129.7	12475.0	10719.9	8813.8	7121.0	5953.4	5085.6	4551.7	4055.5
29°	15462.4	15212.3	14362.7	12691.9	10906.5	8971.7	7200.7	5978.6	5081.6	4399.9	4027.4
30°	15734.2	15473.7	14602.3	12915.4	11083.6	9108.9	7288.7	5981.2	5058.9	4300.1	3999.2
31°	15956.8	15708.6	14853.3	13157.9	11231.4	9242.6	7372.1	5989.6	5056.0	4262.3	3980.9
32°	16122.5	15893.3	15086.3	13409.9	11397.1	9377.1	7437.3	6016.3	5059.3	4237.8	3958.7
33°	16179.3	15989.9	15283.3	13649.5	11596.1	9527.5	7496.7	6045.6	5043.6	4227.3	3748.4
34°	16125.4	15966.2	15391.3	13865.4	11797.8	9693.2	7573.4	6061.0	5038.6	4223.5	3705.1
35°	15975.7	15844.1	15376.2	14019.8	11988.2	9860.9	7665.0	6085.7	5042.9	4219.7	3687.4
36°	15783.4	15675.5	15272.0	14111.7	12159.6	10020.0	7756.1	6129.2	5037.9	4204.1	3678.0
37°	15612.0	15489.8	15129.0	14113.6	12263.8	10142.2	7821.1	6153.1	5032.8	4187.7	3683.3
38°	15517.3	15366.7	14986.9	14057.7	12321.6	10248.2	7885.5	6173.4	5013.4	4150.2	3686.3
39°	15462.4	15302.3	14888.4	13990.5	12329.2	10334.4	7979.7	6195.5	4881.4	4007.0	3678.5
40°	15421.6	15258.7	14833.4	13940.3	12301.7	10385.6	8064.4	6213.4	4811.4	4015.5	3636.4
41°	15374.3	15223.7	14798.4	13910.9	12295.1	10414.9	8123.9	6243.7	4833.4	4042.4	3491.9
42°	15313.6	15185.8	14766.2	13887.2	12314.0	10441.5	8160.1	6252.6	4863.1	4051.3	3497.6
43°	15236.9	15139.4	14732.1	13877.8	12339.6	10474.6	8180.0	6274.2	4868.5	4049.6	3491.1
44°	15143.2	15082.5	14692.3	13879.7	12372.7	10503.0	8189.2	6283.1	4853.0	4065.2	3457.1



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**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	15030.4	15010.6	14641.2	13877.8	12411.6	10544.7	8208.7	6319.2	4871.2	4078.7	3433.5
46°	14906.4	14921.5	14581.5	13861.7	12441.9	10600.6	8235.2	6317.5	4896.1	4039.2	3320.2
47°	14775.7	14828.7	14512.4	13838.9	12466.5	10661.2	8245.3	6249.2	4893.1	3871.9	3188.2
48°	14640.2	14727.4	14434.7	13820.0	12492.1	10714.2	8288.3	6247.1	4909.2	3852.4	3187.2
49°	14505.7	14618.4	14343.8	13789.7	12521.4	10755.0	8337.0	6275.0	4833.9	3862.0	3176.0
50°	14362.7	14504.8	14245.3	13738.5	12534.7	10790.0	8381.3	6304.9	4737.6	3858.1	3161.4
51°	14200.7	14373.1	14134.4	13677.9	12551.7	10821.3	8418.9	6307.5	4741.0	3837.5	2987.3
52°	14017.0	14221.6	14011.3	13609.7	12572.6	10837.4	8432.4	6323.3	4719.5	3749.9	2948.7
53°	13813.3	14049.2	13878.7	13537.7	12579.2	10842.1	8379.4	6351.5	4749.3	3638.0	2960.8
54°	13580.3	13839.9	13733.8	13454.4	12565.0	10850.6	8320.8	6321.9	4763.8	3644.6	2968.5
55°	13315.1	13596.4	13579.4	13354.0	12530.0	10842.1	8300.5	6316.0	4763.6	3640.0	2860.6
56°	13007.3	13313.2	13401.3	13239.4	12482.6	10816.5	8288.8	6301.8	4741.9	3615.3	2779.1
57°	12660.7	12991.2	13194.9	13114.3	12427.7	10791.9	8271.2	6288.9	4677.3	3447.3	2780.8
58°	12270.4	12627.5	12953.3	12978.9	12357.6	10777.7	8217.4	6229.8	4644.9	3478.1	2716.9
59°	11844.2	12226.9	12692.9	12823.6	12280.8	10753.1	8171.9	6169.5	4646.7	3522.4	2584.5
60°	11353.6	11785.5	12390.7	12646.5	12184.2	10714.2	8117.0	6147.7	4644.1	3558.7	2590.8
61°	10737.9	11269.3	12057.3	12435.2	12061.1	10648.9	8051.8	6091.7	4624.5	3439.9	2462.1
62°	10006.7	10661.2	11675.6	12189.9	11921.9	10559.9	7944.9	6036.7	4569.8	3427.6	2436.0
63°	9176.6	9967.9	11246.6	11906.7	11759.0	10420.6	7824.8	5962.8	4576.2	3440.9	2382.8
64°	8329.8	9228.1	10756.9	11596.1	11567.6	10235.0	7677.5	5867.2	4547.1	3374.0	2283.2
65°	7559.1	8496.7	10221.7	11252.2	11354.5	10014.3	7535.5	5806.6	4443.6	3381.4	2201.0
66°	6891.0	7783.9	9649.6	10855.4	11106.4	9816.3	7351.5	5705.8	4432.8	3323.4	2164.0
67°	6365.8	7136.1	9068.3	10422.5	10824.1	9592.8	7138.9	5582.5	4471.2	3315.5	2043.8
68°	5943.6	6572.6	8485.4	9933.8	10497.3	9323.0	6825.7	5429.2	4509.6	3322.0	1956.3
69°	5523.5	6087.9	7893.8	9405.6	10107.1	8999.2	6515.1	5242.6	4468.2	3309.1	1868.7
70°	4869.3	5588.3	7309.9	8857.6	9664.8	8585.2	6036.6	4974.2	4366.0	3323.0	1782.2
71°	3830.9	4938.7	6740.5	8299.8	9183.9	8050.2	5404.8	4606.4	4286.5	3315.9	1751.6
72°	2604.0	4039.6	6166.9	7744.2	8664.7	7454.4	4785.6	4218.2	4199.4	3389.7	1739.5
73°	1522.1	2949.4	5544.9	7179.4	8100.3	6732.8	4206.1	3875.5	4025.5	3358.4	1686.1
74°	859.5	1887.1	4863.4	6603.8	7462.8	5948.9	3671.8	3591.0	3845.4	3349.4	1693.3
75°	717.0	1109.3	4103.5	5973.3	6760.4	5100.1	3034.8	3294.4	3682.9	3321.2	1658.7
76°	592.5	899.7	3257.3	5247.6	5953.8	4197.1	2134.2	2869.3	3546.3	3241.0	1575.6
77°	468.1	693.8	2456.4	4343.8	5046.5	3113.5	1236.1	2146.7	3419.8	3074.7	1450.1
78°	418.1	487.8	1840.9	3232.7	4026.0	1984.0	571.5	1424.2	3315.3	2805.0	1284.2
79°	384.6	430.3	1346.4	2059.4	3001.4	1039.1	285.2	704.7	3006.1	2345.5	1113.0
80°	354.4	386.3	970.1	1115.1	2011.2	784.0	245.5	524.8	2229.1	1886.0	978.1
81°	326.0	347.3	776.2	868.4	1137.6	530.7	205.8	344.9	1452.3	1429.4	999.3
82°	298.8	313.8	584.7	645.1	843.8	277.3	166.2	167.6	680.9	1170.8	938.7
83°	271.3	284.8	393.2	421.9	557.6	229.6	142.0	133.0	511.5	998.9	751.6
84°	242.8	254.4	332.2	370.3	271.5	195.9	118.5	104.4	342.2	790.4	517.1
85°	214.3	223.7	264.7	322.9	213.7	161.8	95.7	80.9	173.4	562.7	341.7
86°	184.7	193.9	207.9	275.2	171.0	127.0	73.5	61.3	145.6	451.0	242.7
87°	154.2	165.6	171.5	221.6	134.3	95.5	52.4	45.0	113.9	339.3	143.8
88°	126.4	137.1	137.5	158.6	102.5	71.8	37.0	32.1	74.4	227.5	87.6
89°	104.2	108.6	104.0	93.4	78.7	48.3	21.6	19.2	51.4	115.8	59.9



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 CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785  
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1	5983.1
1°	5838.8	5836.8	5846.7	5866.6	5892.8	5927.8	5964.7	5987.1	6023.0	6058.1	6089.5
2°	5708.4	5702.7	5718.3	5752.6	5801.4	5865.3	5936.9	6000.0	6074.0	6148.6	6214.3
3°	5588.7	5579.8	5598.8	5645.0	5715.2	5807.1	5913.9	6015.8	6130.3	6244.8	6349.9
4°	5479.1	5466.8	5491.1	5546.5	5635.9	5754.2	5893.6	6037.9	6193.8	6350.7	6495.8
5°	5375.6	5360.3	5388.1	5455.5	5562.5	5705.7	5877.5	6061.4	6258.8	6465.6	6656.8
6°	5276.8	5259.0	5289.0	5365.2	5491.8	5659.6	5864.9	6089.3	6329.3	6585.4	6829.0
7°	5184.3	5164.5	5197.1	5282.8	5421.0	5617.0	5854.2	6119.7	6405.9	6715.9	7011.7
8°	5099.7	5074.8	5111.3	5208.8	5358.5	5574.9	5845.0	6150.9	6487.0	6853.8	7206.8
9°	5016.5	4986.6	5027.5	5135.8	5302.8	5532.8	5836.1	6185.7	6571.8	6999.9	7417.7
10°	4938.0	4905.7	4949.5	5064.8	5249.1	5492.9	5831.7	6223.6	6662.3	7153.6	7640.9
11°	4868.8	4833.1	4876.0	5000.1	5197.0	5459.2	5830.7	6269.4	6759.6	7318.2	7879.9
12°	4806.8	4754.9	4808.7	4940.3	5147.9	5432.6	5816.5	6298.8	6863.0	7491.3	8131.2
13°	4691.3	4612.7	4694.1	4883.4	5099.2	5390.7	5808.7	6335.8	6951.1	7678.6	8399.8
14°	4600.0	4552.6	4600.8	4807.5	5056.9	5355.0	5800.8	6369.4	7046.2	7867.9	8678.6
15°	4552.0	4500.7	4549.5	4696.5	5004.9	5322.6	5801.2	6415.9	7145.0	8049.8	8976.2
16°	4506.6	4452.8	4502.7	4650.3	4960.2	5299.3	5805.9	6473.7	7255.0	8243.2	9279.8
17°	4466.8	4408.1	4462.9	4612.7	4902.7	5274.7	5815.4	6525.7	7383.4	8442.4	9595.7
18°	4423.8	4357.9	4419.1	4579.8	4826.7	5256.9	5831.7	6585.3	7497.8	8653.0	9898.7
19°	4380.6	4310.3	4377.2	4554.1	4777.6	5252.3	5859.4	6660.0	7627.5	8865.5	10195.2
20°	4337.1	4257.9	4337.5	4524.4	4747.3	5254.7	5888.5	6738.3	7757.9	9089.5	10491.7
21°	4288.0	4077.6	4293.5	4488.7	4727.7	5254.9	5908.6	6808.4	7905.2	9307.8	10773.0
22°	4067.0	3945.3	4085.3	4455.0	4716.0	5243.7	5914.5	6870.4	8056.7	9527.5	11042.0
23°	3981.1	3908.5	3999.1	4428.6	4705.3	5224.8	5934.0	6915.8	8203.8	9748.1	11310.0
24°	3949.6	3883.0	3971.3	4262.1	4685.2	5206.6	5969.5	6974.2	8340.5	9965.0	11574.3
25°	3929.5	3861.8	3952.1	4150.3	4666.0	5191.1	5984.3	7054.1	8461.6	10183.8	11819.6
26°	3910.6	3839.4	3935.5	4132.8	4654.5	5166.1	6005.3	7123.0	8587.0	10399.8	12069.6
27°	3890.2	3823.0	3917.8	4118.0	4628.9	5176.9	6039.2	7183.1	8726.5	10614.8	12311.2
28°	3875.1	3803.2	3904.2	4096.3	4597.9	5184.7	6073.0	7259.7	8887.0	10815.6	12555.5
29°	3857.4	3636.1	3888.2	4070.3	4451.5	5170.8	6094.6	7350.6	9048.6	11011.7	12792.3
30°	3666.0	3567.6	3693.8	4048.2	4354.8	5151.6	6100.2	7443.8	9186.4	11193.5	13032.9
31°	3610.8	3560.2	3640.6	4028.9	4316.6	5151.3	6124.5	7529.2	9346.6	11374.4	13289.6
32°	3601.0	3560.5	3631.0	4006.0	4299.4	5155.7	6161.5	7599.0	9519.9	11569.5	13524.5
33°	3594.8	3558.9	3625.9	3795.6	4294.4	5138.0	6201.5	7687.9	9708.4	11765.6	13753.7
34°	3587.7	3551.6	3617.9	3753.1	4291.8	5136.3	6218.6	7792.8	9877.0	11963.5	13946.0
35°	3575.2	3544.5	3605.4	3735.1	4287.8	5136.6	6256.0	7896.4	10025.7	12149.2	14073.8
36°	3561.3	3409.8	3589.6	3728.4	4269.8	5130.8	6300.4	7995.8	10155.4	12274.2	14119.3
37°	3420.8	3313.6	3431.0	3734.3	4255.2	5122.3	6329.2	8063.6	10262.5	12342.4	14103.2
38°	3307.4	3315.8	3335.9	3734.8	4211.0	5105.0	6353.7	8136.3	10344.9	12359.5	14037.8
39°	3299.6	3325.3	3327.2	3733.9	4072.8	4978.4	6360.2	8213.8	10401.7	12344.3	13963.0
40°	3297.7	3329.4	3320.9	3682.1	4095.7	4913.6	6367.6	8264.6	10435.8	12335.8	13910.9
41°	3280.5	3314.1	3300.8	3551.7	4124.4	4933.5	6374.7	8301.0	10452.8	12344.3	13880.6
42°	3244.5	3131.0	3264.8	3556.9	4122.3	4959.0	6383.7	8333.7	10483.1	12362.3	13874.9
43°	3064.1	3068.5	3088.0	3542.7	4126.7	4943.1	6403.5	8360.9	10515.3	12387.9	13887.2
44°	2992.7	3063.8	3024.5	3509.1	4139.7	4933.5	6423.2	8380.2	10559.9	12417.2	13892.9



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2986.8	3053.4	3019.4	3486.6	4153.0	4952.5	6457.6	8412.1	10612.0	12445.7	13889.1
46°	2976.3	3034.3	3006.1	3347.9	4092.5	4984.5	6433.1	8433.4	10665.9	12482.6	13885.3
47°	2948.9	2771.8	2983.6	3253.8	3941.1	4989.3	6371.1	8452.7	10711.4	12524.3	13873.0
48°	2720.9	2746.8	2758.4	3253.4	3929.4	5007.1	6381.9	8497.2	10750.2	12557.4	13849.3
49°	2707.7	2726.7	2753.7	3236.1	3940.0	4910.4	6412.6	8536.8	10791.0	12583.0	13806.7
50°	2705.6	2707.0	2754.3	3227.3	3930.1	4847.9	6437.3	8570.4	10827.0	12608.6	13751.8
51°	2702.6	2491.9	2754.8	3044.1	3913.6	4853.2	6440.8	8596.7	10845.9	12621.8	13695.0
52°	2538.2	2415.4	2579.5	3019.3	3782.1	4843.0	6455.7	8594.3	10852.5	12623.7	13634.3
53°	2487.0	2399.9	2535.7	3034.1	3722.0	4875.6	6474.2	8523.0	10860.1	12610.5	13560.5
54°	2472.2	2368.6	2520.2	3047.6	3731.3	4879.1	6449.8	8457.9	10848.7	12577.3	13475.2
55°	2439.9	2116.9	2475.4	2912.8	3730.8	4880.2	6444.1	8434.0	10819.4	12531.8	13385.2
56°	2235.1	2115.5	2283.4	2859.5	3705.0	4873.4	6421.9	8417.7	10785.3	12483.5	13278.2
57°	2239.2	1992.3	2290.4	2860.6	3557.3	4789.2	6406.2	8393.6	10760.7	12421.0	13147.5
58°	2099.2	1870.8	2137.6	2767.8	3597.4	4777.5	6318.4	8333.4	10729.4	12344.3	12990.3
59°	2017.4	1875.8	2071.3	2677.7	3646.6	4777.9	6283.0	8275.7	10687.7	12254.3	12809.4
60°	1947.4	1604.0	2003.9	2693.8	3679.0	4771.1	6231.4	8201.3	10623.3	12142.6	12610.5
61°	1877.3	1607.5	1936.5	2552.8	3564.8	4736.5	6166.8	8139.5	10540.9	12016.6	12394.5
62°	1802.4	1362.7	1865.8	2541.2	3559.6	4679.9	6094.4	8036.1	10404.5	11863.2	12153.9
63°	1568.0	1353.1	1628.9	2469.9	3550.9	4675.9	6009.2	7911.5	10228.4	11683.2	11878.3
64°	1552.9	1057.2	1596.7	2393.9	3507.2	4630.4	5916.7	7755.6	10013.4	11477.7	11561.0
65°	1317.2	936.7	1368.9	2298.8	3521.1	4515.4	5824.0	7600.2	9811.6	11243.7	11198.2
66°	1144.6	758.1	1179.6	2283.2	3463.4	4532.4	5710.2	7373.9	9585.2	10979.5	10800.4
67°	1041.5	504.9	1030.7	2163.4	3454.1	4560.8	5564.0	7128.5	9321.8	10683.0	10359.1
68°	823.8	251.6	850.3	2065.8	3444.5	4577.1	5380.6	6762.8	9020.2	10339.2	9896.9
69°	547.8	0.6	572.2	1968.4	3432.1	4481.4	5165.9	6362.6	8644.1	9950.8	9397.7
70°	530.6	0.5	550.5	1873.0	3448.6	4355.7	4836.5	5779.2	8187.9	9507.6	8855.1
71°	529.6	0.5	531.2	1845.8	3432.3	4238.0	4412.8	5101.4	7595.5	9021.4	8271.2
72°	503.9	0.5	491.6	1822.8	3498.5	4117.1	4016.1	4478.6	6958.0	8495.4	7697.3
73°	453.0	0.5	420.2	1751.9	3442.4	3924.5	3714.5	3917.5	6184.9	7893.4	7109.7
74°	390.1	0.5	333.2	1725.1	3363.1	3747.8	3447.7	3324.5	5361.0	7200.9	6512.0
75°	312.9	0.5	275.3	1654.4	3281.9	3612.6	3039.8	2524.6	4502.2	6417.8	5852.9
76°	235.2	0.5	254.6	1547.8	3107.9	3484.7	2303.7	1562.0	3552.4	5565.4	5124.3
77°	178.8	0.5	283.4	1408.5	2852.6	3350.9	1567.5	753.0	2451.9	4623.8	4197.0
78°	193.3	0.6	323.9	1244.6	2526.3	3066.7	839.3	494.3	1390.9	3607.8	3009.3
79°	267.1	0.7	261.2	1109.5	2134.3	2316.3	351.0	249.8	1022.4	2618.9	1824.9
80°	280.3	0.8	198.4	1037.5	1742.4	1565.9	262.5	211.7	661.7	1693.4	930.6
81°	224.7	0.9	135.7	970.6	1355.7	815.8	175.5	184.3	301.0	924.9	746.5
82°	169.1	1.0	72.1	827.9	1132.5	602.6	140.9	159.1	250.1	688.7	582.1
83°	113.7	1.2	37.9	534.7	877.1	389.3	114.3	135.3	215.3	470.2	417.7
84°	66.2	1.4	30.2	385.6	574.8	177.3	92.7	111.9	183.1	251.7	366.8
85°	40.1	1.5	22.4	236.5	410.8	146.9	73.3	89.3	150.5	198.0	319.2
86°	30.9	1.8	14.8	91.2	246.8	117.7	55.8	67.0	117.4	157.5	270.3
87°	21.7	2.0	12.5	53.4	84.2	87.1	40.7	44.8	88.1	122.9	214.8
88°	12.6	2.2	10.2	37.0	57.8	59.9	28.8	26.2	63.8	92.8	146.4
89°	7.9	2.5	7.1	20.6	31.3	32.6	16.8	11.5	39.6	72.3	82.6



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	5983.1	5983.1	5983.1
1°	6115.1	6129.9	6137.6
2°	6267.3	6300.6	6312.6
3°	6432.2	6485.4	6502.0
4°	6613.8	6691.1	6715.4
5°	6813.0	6915.5	6948.6
6°	7027.4	7162.0	7204.4
7°	7261.5	7424.4	7478.9
8°	7505.9	7706.5	7774.6
9°	7774.3	8009.7	8092.9
10°	8055.8	8335.3	8431.5
11°	8358.9	8684.1	8796.2
12°	8679.6	9051.4	9186.8
13°	9020.8	9447.7	9606.1
14°	9376.3	9862.8	10038.9
15°	9750.0	10290.9	10490.7
16°	10133.6	10732.2	10952.0
17°	10534.3	11181.2	11415.1
18°	10923.6	11625.4	11864.1
19°	11304.3	12048.8	12306.4
20°	11675.6	12457.0	12730.7
21°	12034.6	12846.3	13132.3
22°	12369.9	13207.2	13500.8
23°	12694.8	13564.2	13858.8
24°	13007.3	13910.9	14190.3
25°	13318.0	14235.8	14508.6
26°	13625.8	14537.9	14778.5
27°	13915.6	14795.6	15015.3
28°	14171.4	15019.1	15232.2
29°	14408.2	15246.4	15462.4
30°	14648.7	15502.1	15734.2
31°	14899.7	15737.0	15956.8
32°	15122.3	15906.6	16122.5
33°	15272.0	15986.1	16179.3
34°	15339.2	15966.2	16125.4
35°	15312.7	15844.1	15975.7
36°	15227.5	15667.9	15783.4
37°	15090.1	15486.0	15612.0
38°	14961.3	15368.6	15517.3
39°	14877.0	15302.3	15462.4
40°	14824.0	15265.3	15421.6
41°	14789.9	15234.1	15374.3
42°	14752.9	15198.1	15313.6
43°	14716.0	15157.4	15236.9
44°	14679.1	15103.4	15143.2



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	14634.5	15029.5	15030.4
46°	14584.3	14937.6	14906.4
47°	14528.5	14837.2	14775.7
48°	14460.3	14728.3	14640.2
49°	14372.2	14618.4	14505.7
50°	14266.1	14504.8	14362.7
51°	14150.5	14378.8	14200.7
52°	14020.8	14232.9	14017.0
53°	13886.3	14055.8	13813.3
54°	13746.1	13846.5	13580.3
55°	13597.4	13599.3	13315.1
56°	13423.1	13318.0	13007.3
57°	13218.5	13004.5	12660.7
58°	12971.3	12633.2	12270.4
59°	12698.5	12230.6	11844.2
60°	12392.6	11794.0	11353.6
61°	12044.1	11298.6	10737.9
62°	11658.6	10699.1	10006.7
63°	11232.3	10006.7	9176.6
64°	10771.1	9252.3	8329.8
65°	10250.1	8505.8	7559.1
66°	9687.5	7810.5	6891.0
67°	9106.4	7186.6	6365.8
68°	8506.9	6620.0	5943.6
69°	7939.0	6114.5	5523.5
70°	7397.3	5615.1	4869.3
71°	6835.4	4998.7	3830.9
72°	6222.5	4138.8	2604.0
73°	5608.2	3054.4	1522.1
74°	4961.3	2024.5	859.5
75°	4142.5	1231.9	717.0
76°	3262.0	988.9	592.5
77°	2494.7	748.0	468.1
78°	1884.9	507.1	418.1
79°	1392.2	438.8	384.6
80°	939.8	391.9	354.4
81°	756.8	351.8	326.0
82°	575.8	318.2	298.8
83°	394.9	291.4	271.3
84°	330.7	259.7	242.8
85°	261.7	226.0	214.3
86°	209.0	195.1	184.7
87°	170.9	165.6	154.2
88°	135.4	136.8	126.4
89°	100.7	108.1	104.2



REPORT NUMBER: P1436785  
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P1436785  
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)