

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: P1445052

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445052
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
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: 46561 (1 lamp)
Luminaire Lumens: 36348.5 lumens
Efficiency: 78.1%
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

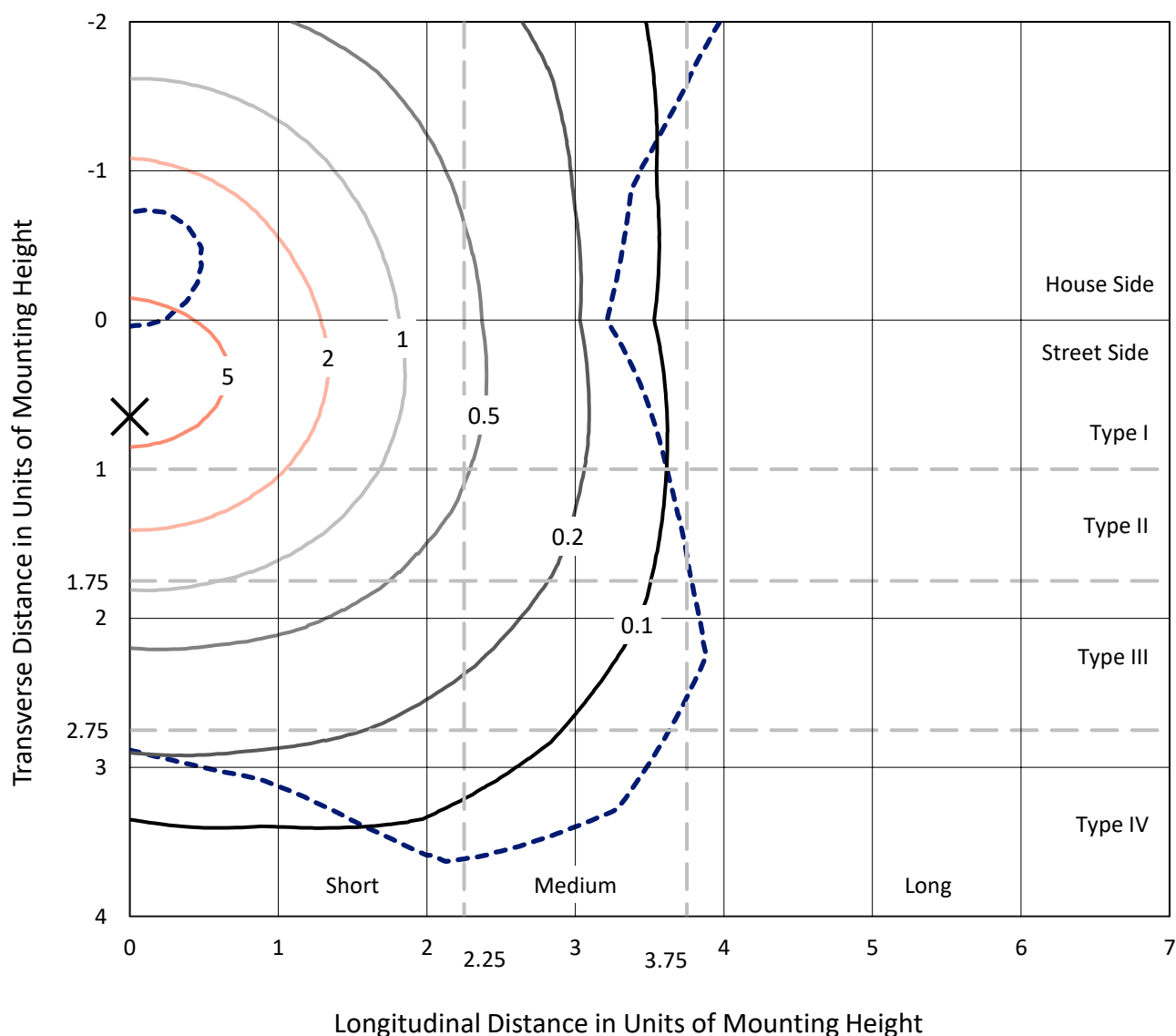
Input Watts (W): 242.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

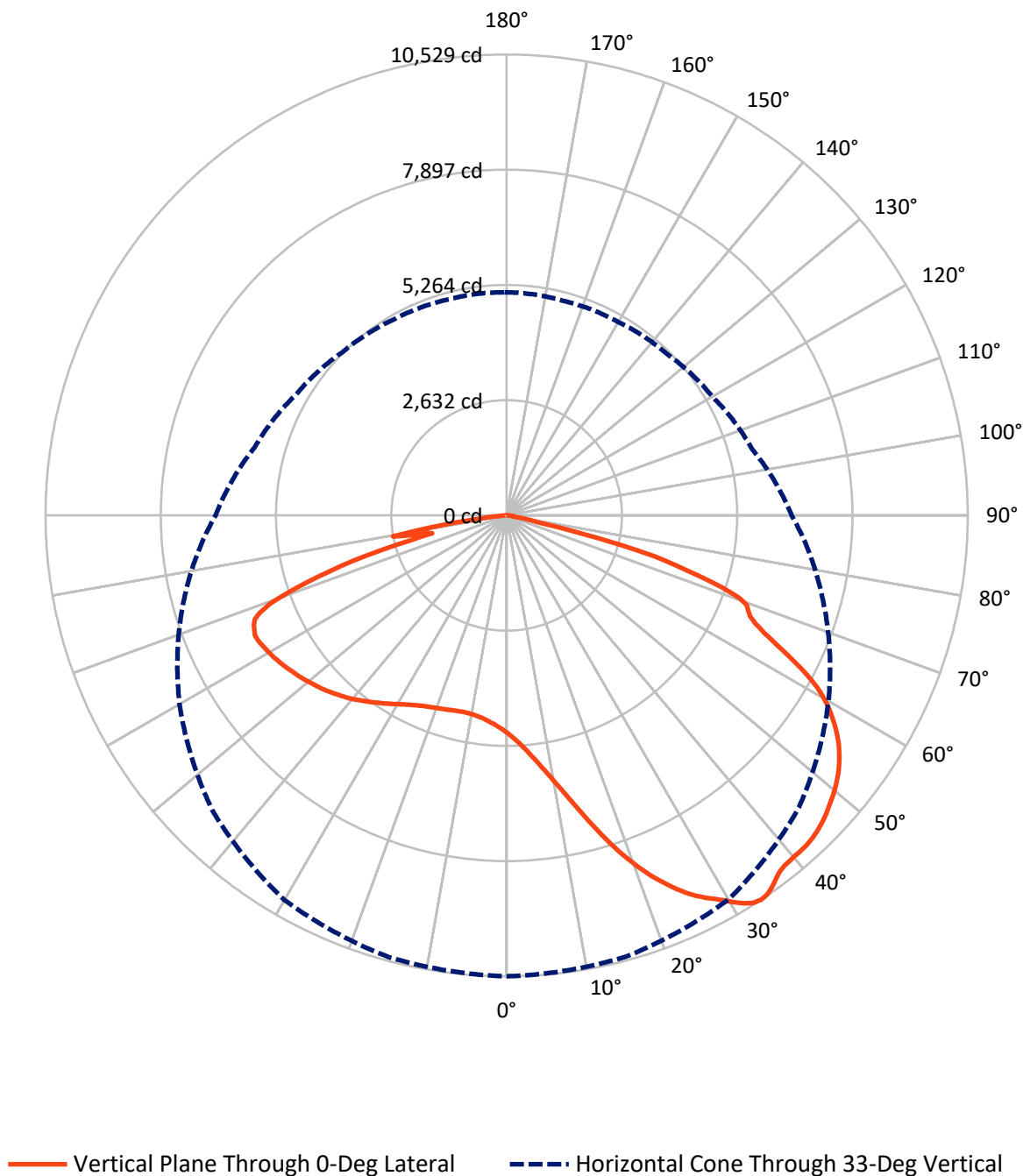


Based on 30 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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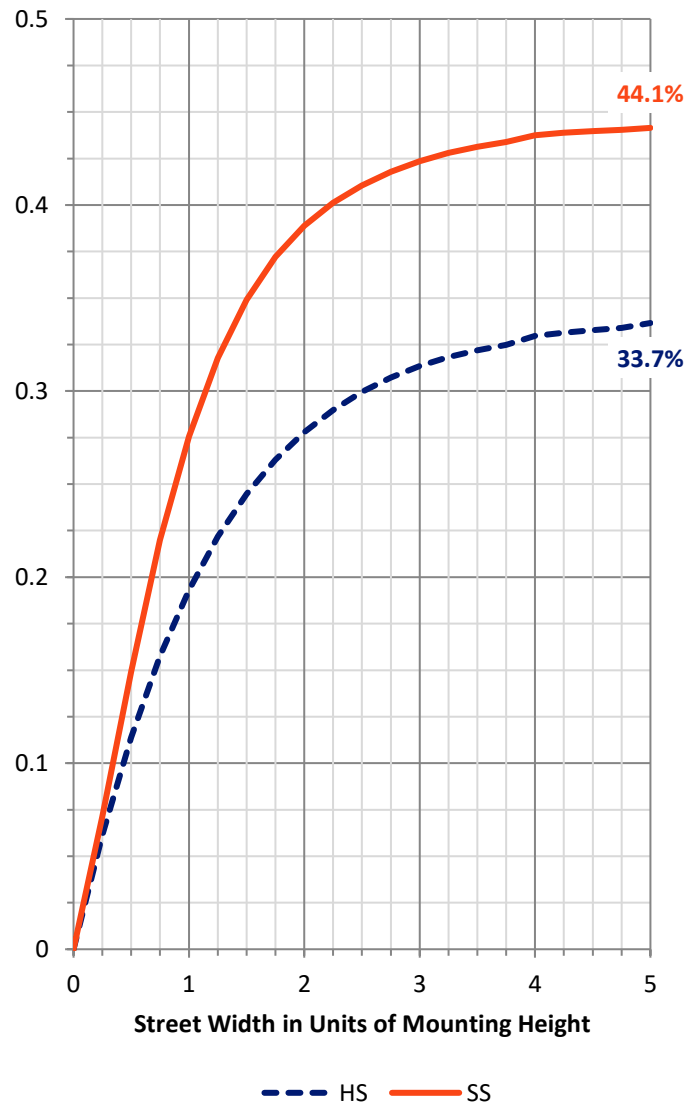
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15817.7	0.0	15817.7
	% Lamp	34.0	0.0	34.0
Street Side	Lumens	20530.7	0.0	20530.7
	% Lamp	44.1	0.0	44.1
Total	Lumens	36348.5	0.0	36348.5
	% Lamp	78.1	0.0	78.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	491.0	1.4	1.1
10°-20°	1624.4	4.5	3.5
20°-30°	3067.4	8.4	6.6
30°-40°	4622.5	12.7	9.9
40°-50°	5975.2	16.4	12.8
50°-60°	7156.5	19.7	15.4
60°-70°	7602.1	20.9	16.3
70°-80°	5209.3	14.3	11.2
80°-90°	600.1	1.7	1.3
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	78.1
0°-180°	36348.5	100.0	78.1

Coefficient of Utilization



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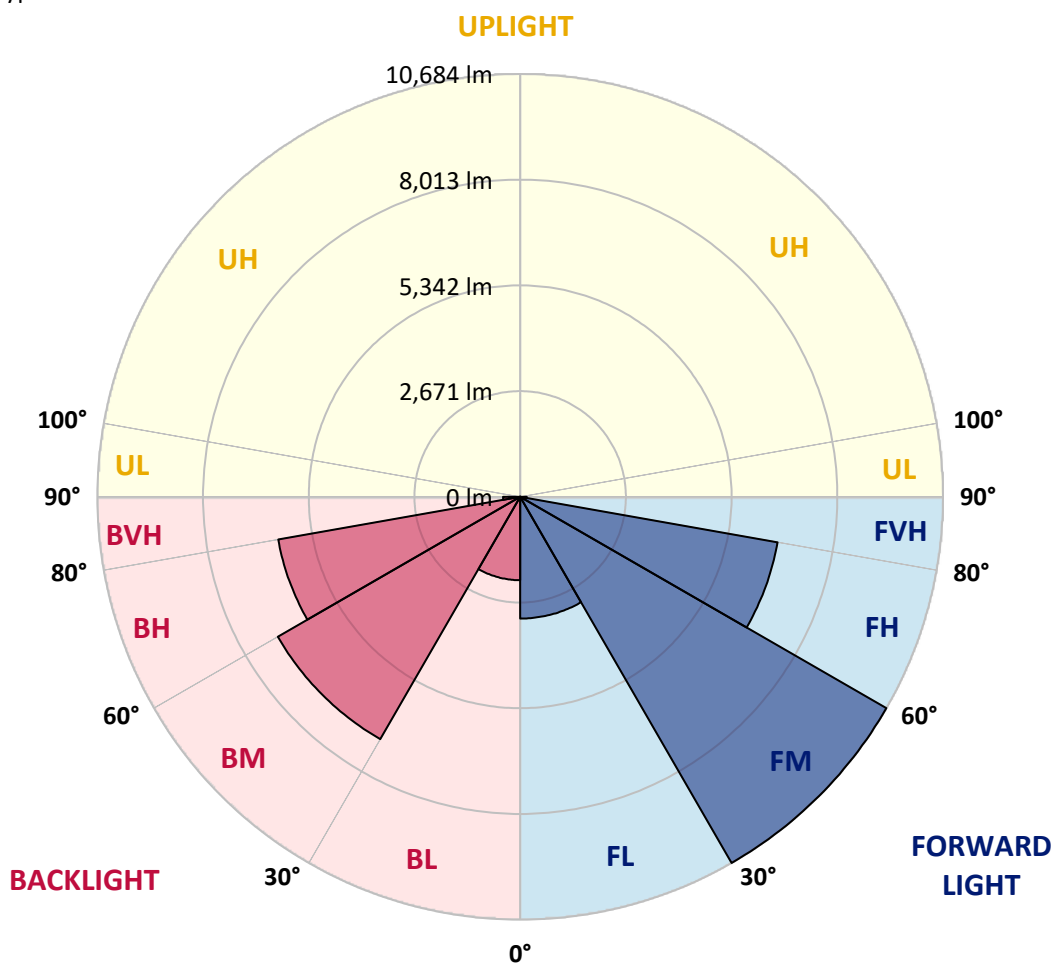
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3076.2	6.6			
FM	(30°-60°)	10683.7	22.9			
FH	(60°-80°)	6604.5	14.2			G3/7500
FVH	(80°-90°)	166.4	0.4			G2/225
BL	(0°-30°)	2106.6	4.5	B3/2500		
BM	(30°-60°)	7070.6	15.2	B4/8500		
BH	(60°-80°)	6206.9	13.3	B5		G5
BVH	(80°-90°)	433.7	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		10212.5	21.9			

BUG Rating: B5-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6
1°	5064.0	5062.3	5057.1	5049.5	5035.6	5018.2	4983.3	4965.3	4949.6	4936.7	4928.1
2°	5147.9	5142.5	5128.7	5106.6	5074.7	5039.3	4985.6	4950.3	4918.3	4893.2	4876.3
3°	5243.0	5233.5	5209.1	5168.9	5119.4	5064.2	4992.2	4939.0	4892.4	4856.9	4832.5
4°	5349.5	5335.1	5298.4	5241.6	5170.5	5094.5	5001.8	4931.4	4872.0	4826.1	4795.1
5°	5466.9	5447.1	5395.3	5320.6	5229.4	5130.3	5016.7	4929.3	4855.8	4801.5	4763.8
6°	5597.0	5572.2	5508.4	5408.8	5292.9	5168.3	5034.1	4929.8	4842.9	4780.0	4734.7
7°	5737.6	5708.2	5626.9	5505.6	5360.7	5209.5	5052.6	4931.9	4834.3	4761.0	4709.0
8°	5887.2	5852.9	5756.1	5610.4	5433.8	5254.8	5074.9	4937.8	4828.6	4745.0	4688.1
9°	6052.9	6014.3	5897.9	5722.8	5514.1	5304.5	5100.4	4945.2	4823.6	4732.5	4671.0
10°	6231.9	6181.2	6046.2	5843.8	5600.6	5357.6	5129.7	4954.6	4819.7	4725.1	4658.9
11°	6425.7	6368.3	6209.5	5971.8	5691.9	5415.2	5160.3	4967.0	4818.6	4719.3	4651.3
12°	6634.1	6563.9	6380.5	6109.9	5789.6	5477.6	5194.5	4983.5	4821.5	4717.1	4647.8
13°	6858.9	6776.6	6566.3	6254.8	5892.3	5543.3	5234.8	5002.5	4828.2	4717.3	4648.5
14°	7096.1	7004.1	6758.9	6409.9	6004.3	5615.3	5279.9	5024.7	4836.8	4721.1	4653.2
15°	7342.8	7238.4	6959.6	6572.6	6120.0	5689.9	5326.3	5049.6	4848.1	4727.8	4660.5
16°	7596.8	7475.6	7167.5	6739.9	6243.4	5770.0	5376.6	5079.8	4862.5	4736.6	4670.5
17°	7847.2	7715.9	7379.7	6908.3	6370.6	5855.3	5431.5	5111.4	4881.3	4749.5	4684.0
18°	8094.7	7954.2	7591.0	7084.1	6501.0	5945.1	5489.7	5146.6	4901.9	4765.9	4700.0
19°	8335.9	8188.4	7803.1	7256.4	6632.9	6036.6	5547.9	5184.0	4926.2	4783.1	4717.4
20°	8570.9	8411.7	8006.5	7428.3	6768.0	6128.9	5608.8	5224.4	4952.3	4804.9	4737.9
21°	8791.1	8629.5	8207.9	7600.2	6905.3	6226.6	5672.2	5266.6	4981.0	4827.8	4757.6
22°	8999.5	8835.6	8396.8	7768.1	7041.3	6327.8	5736.4	5309.1	5012.4	4853.2	4780.3
23°	9192.3	9035.4	8583.4	7934.7	7181.0	6429.9	5800.4	5351.4	5044.9	4880.4	4804.0
24°	9378.9	9222.8	8762.2	8093.9	7313.8	6531.2	5862.5	5394.2	5078.7	4907.6	4829.2
25°	9556.9	9405.4	8938.6	8251.6	7447.6	6629.8	5925.5	5436.2	5113.4	4936.8	4855.0
26°	9707.6	9567.8	9108.8	8406.2	7577.4	6731.4	5990.7	5479.5	5149.7	4966.4	4881.2
27°	9845.7	9715.4	9274.3	8554.5	7706.6	6835.3	6056.0	5521.9	5186.0	4996.2	4908.7
28°	9969.9	9845.7	9426.5	8702.8	7834.7	6938.9	6124.3	5565.0	5223.0	5027.9	4936.4
29°	10102.6	9974.5	9570.9	8848.0	7958.1	7045.4	6196.2	5611.3	5262.0	5058.5	4967.4
30°	10260.3	10125.2	9712.2	8994.0	8081.4	7156.0	6271.5	5660.5	5301.5	5091.6	4998.7
31°	10392.2	10266.5	9867.6	9143.1	8210.2	7264.5	6348.5	5710.2	5342.2	5125.7	5032.4
32°	10490.6	10377.4	10011.2	9292.2	8343.0	7371.1	6429.2	5760.1	5383.7	5161.8	5066.5
33°	10528.8	10442.2	10130.7	9436.7	8486.6	7477.4	6508.2	5810.4	5425.1	5198.2	5100.3
34°	10507.0	10438.3	10211.1	9567.0	8626.3	7596.5	6590.6	5861.9	5463.3	5233.4	5134.0
35°	10432.0	10378.9	10225.9	9669.3	8748.1	7722.7	6676.1	5915.1	5502.4	5271.1	5171.3
36°	10332.9	10292.3	10189.2	9736.4	8857.4	7845.7	6764.9	5970.2	5542.2	5310.3	5211.2
37°	10249.3	10192.4	10126.8	9751.3	8939.4	7951.8	6852.7	6023.2	5585.3	5351.0	5256.8
38°	10210.3	10127.6	10062.0	9733.3	9002.6	8043.2	6944.6	6072.9	5628.8	5396.5	5304.3
39°	10196.3	10094.8	10015.1	9709.1	9032.3	8119.7	7038.4	6126.4	5673.6	5445.8	5354.0
40°	10191.6	10078.4	9992.5	9696.6	9041.7	8176.7	7123.4	6184.0	5720.4	5500.7	5405.8
41°	10187.7	10067.4	9985.5	9696.6	9055.7	8217.3	7195.6	6247.0	5769.7	5553.3	5456.8
42°	10176.0	10058.9	9984.7	9711.5	9083.0	8254.0	7254.7	6306.0	5823.1	5611.3	5509.8
43°	10153.3	10046.4	9983.9	9737.2	9116.6	8297.7	7303.0	6359.8	5880.0	5669.9	5560.0
44°	10117.4	10030.8	9980.8	9766.9	9157.2	8353.9	7350.6	6411.8	5940.5	5733.0	5609.9

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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°
45°	10069.8	10004.2	9973.8	9794.2	9203.2	8416.3	7402.3	6466.7	6000.8	5795.5	5658.3
46°	10011.2	9969.9	9962.1	9816.9	9254.8	8478.8	7458.3	6524.9	6064.0	5857.6	5705.6
47°	9948.0	9933.2	9948.0	9833.2	9307.1	8543.6	7512.1	6589.2	6126.5	5918.1	5755.1
48°	9880.9	9891.8	9929.3	9845.0	9357.8	8609.2	7567.4	6657.3	6189.5	5978.6	5803.5
49°	9811.4	9848.9	9902.7	9852.8	9408.6	8672.4	7619.7	6725.7	6255.4	6037.9	5856.8
50°	9736.4	9804.4	9870.7	9855.9	9455.4	8735.6	7668.7	6797.2	6321.1	6096.6	5910.4
51°	9651.4	9752.8	9832.5	9855.1	9498.3	8794.2	7713.3	6868.4	6386.0	6156.4	5969.1
52°	9556.1	9689.6	9788.7	9849.6	9542.1	8852.7	7753.8	6939.4	6450.8	6217.8	6031.3
53°	9450.7	9618.6	9741.9	9843.4	9578.7	8904.3	7790.0	7007.5	6518.8	6281.8	6097.1
54°	9332.1	9527.2	9691.2	9830.1	9610.0	8951.9	7826.9	7071.4	6589.8	6349.4	6166.7
55°	9200.1	9420.3	9635.0	9812.2	9637.3	8994.0	7860.5	7131.7	6661.0	6419.5	6238.4
56°	9050.2	9296.9	9565.5	9784.8	9659.2	9030.7	7892.5	7189.5	6733.5	6494.4	6309.2
57°	8880.8	9154.8	9481.9	9748.9	9673.2	9061.9	7920.6	7245.3	6808.6	6575.2	6379.7
58°	8692.7	8990.9	9379.7	9706.0	9678.7	9086.2	7941.7	7295.9	6886.9	6660.6	6447.6
59°	8492.1	8804.3	9266.5	9657.6	9674.0	9100.2	7957.3	7341.9	6961.4	6747.6	6510.3
60°	8251.6	8595.9	9135.3	9599.8	9657.6	9103.3	7965.1	7383.3	7036.5	6838.9	6570.1
61°	7953.4	8353.1	8989.3	9528.0	9627.2	9088.5	7962.0	7415.5	7114.3	6933.6	6636.9
62°	7598.5	8061.9	8825.4	9442.1	9591.2	9055.7	7947.9	7440.0	7193.6	7030.7	6704.4
63°	7200.2	7725.7	8638.0	9339.1	9540.5	9015.9	7930.0	7459.2	7272.1	7128.4	6771.6
64°	6806.0	7370.0	8428.8	9220.4	9471.0	8958.1	7901.1	7465.6	7347.2	7229.2	6835.1
65°	6463.7	7037.2	8202.4	9081.5	9389.8	8884.0	7855.8	7463.7	7419.5	7326.7	6896.6
66°	6192.1	6732.3	7958.9	8923.8	9290.7	8798.9	7786.3	7454.8	7480.7	7423.6	6959.6
67°	6018.2	6476.8	7720.5	8738.8	9159.5	8677.9	7683.9	7417.8	7536.7	7511.5	7016.3
68°	5929.1	6289.4	7492.6	8528.8	9004.2	8513.9	7520.2	7348.8	7583.9	7596.8	7067.7
69°	5851.8	6158.0	7281.8	8296.1	8809.0	8300.8	7261.9	7219.5	7615.3	7670.8	7095.3
70°	5633.0	6042.6	7085.9	8044.7	8571.7	8001.0	6862.4	6995.5	7612.8	7736.1	7111.3
71°	5198.4	5839.1	6914.4	7787.8	8293.0	7595.0	6288.6	6662.1	7561.4	7781.2	7112.1
72°	4618.9	5487.5	6746.5	7525.7	7969.0	7092.8	5661.1	6226.4	7447.8	7801.2	7065.4
73°	4038.7	4994.1	6554.8	7271.4	7593.1	6506.4	5078.1	5734.9	7250.5	7768.7	6977.0
74°	3501.7	4445.2	6318.0	7007.3	7156.8	5896.7	4546.6	5267.6	6992.0	7670.6	6829.3
75°	2721.2	3841.6	6011.0	6688.2	6675.1	5255.5	3925.6	4819.0	6678.8	7487.1	6556.5
76°	1664.3	3093.8	5579.5	6327.3	6146.9	4560.3	3001.8	4248.4	6358.9	7193.7	6184.7
77°	736.6	2043.6	5025.1	5818.8	5552.8	3656.6	1948.7	3372.1	6001.4	6712.9	5770.3
78°	553.6	989.1	4318.2	5136.2	4835.4	2512.0	902.4	2396.6	5552.6	6004.2	5248.8
79°	383.4	722.0	3411.8	4279.7	3980.5	1386.1	366.4	1421.1	4823.2	5062.5	4541.5
80°	213.1	470.5	2202.2	3237.2	2965.8	634.0	243.9	456.8	3687.4	4030.7	3815.4
81°	185.8	219.0	1115.3	2123.8	1808.6	436.1	210.8	276.3	2611.6	3111.0	3209.9
82°	163.6	187.6	815.2	1038.3	837.7	250.2	185.4	225.7	1536.0	2346.4	2825.6
83°	141.9	162.0	525.4	769.6	604.6	205.8	160.1	191.5	481.1	1873.0	2633.2
84°	120.1	136.9	235.7	509.3	393.7	172.3	134.8	157.3	316.6	1399.6	1995.0
85°	97.7	111.8	174.9	249.0	182.8	140.0	111.2	123.1	254.9	927.9	1356.9
86°	73.3	88.4	128.1	203.2	139.8	107.7	87.5	96.4	204.8	571.1	732.0
87°	53.1	66.5	95.7	155.6	105.8	78.7	63.1	72.4	154.6	397.3	511.1
88°	33.0	44.6	66.1	102.0	75.7	54.9	40.3	51.2	104.9	223.4	290.1
89°	12.9	22.7	36.6	54.3	42.4	31.3	28.2	35.6	71.6	49.9	73.7

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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: P1445052

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: P1445052
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: P1445052

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6	4991.6
1°	4924.4	4924.6	4931.1	4941.0	4956.2	4972.7	4990.3	4990.9	5008.4	5024.8	5040.6
2°	4867.8	4867.3	4876.1	4893.5	4917.9	4948.9	4982.4	5000.9	5036.6	5070.5	5101.0
3°	4819.8	4817.0	4828.6	4851.1	4884.0	4927.7	4977.0	5013.3	5068.5	5121.5	5169.5
4°	4778.3	4775.7	4788.4	4814.9	4856.4	4910.7	4974.6	5028.4	5103.0	5177.4	5246.5
5°	4742.4	4738.0	4753.7	4784.8	4832.7	4896.7	4974.5	5045.7	5140.0	5236.4	5329.3
6°	4708.3	4704.0	4721.2	4757.0	4812.0	4885.7	4978.3	5066.7	5181.0	5302.0	5418.7
7°	4679.1	4673.5	4692.3	4733.0	4793.0	4876.7	4982.6	5089.4	5226.0	5372.6	5514.8
8°	4654.4	4647.6	4668.5	4713.5	4777.8	4869.3	4988.8	5113.8	5274.0	5448.6	5617.7
9°	4635.3	4627.1	4649.7	4695.7	4767.1	4864.3	4997.7	5141.1	5326.4	5529.4	5729.0
10°	4619.8	4612.1	4634.3	4682.8	4758.2	4862.4	5011.3	5174.2	5382.7	5616.9	5849.8
11°	4610.7	4602.6	4624.7	4675.2	4752.5	4865.7	5028.3	5211.9	5446.0	5711.5	5979.0
12°	4607.9	4598.4	4620.0	4671.2	4752.1	4871.9	5049.1	5253.6	5514.5	5812.5	6116.8
13°	4609.0	4598.3	4621.0	4671.8	4755.2	4882.7	5073.5	5297.7	5587.5	5920.5	6268.4
14°	4612.2	4602.2	4624.8	4677.3	4760.7	4895.5	5100.3	5343.3	5662.8	6036.5	6425.3
15°	4620.0	4608.9	4631.1	4685.1	4770.6	4911.9	5129.6	5395.0	5743.3	6156.9	6591.8
16°	4630.4	4619.0	4641.2	4695.8	4785.6	4931.4	5162.0	5450.4	5827.3	6285.8	6764.4
17°	4642.4	4631.6	4654.9	4709.8	4802.6	4954.4	5197.1	5507.8	5917.1	6417.4	6940.3
18°	4657.8	4645.7	4671.3	4728.1	4821.1	4979.2	5235.9	5569.3	6008.1	6554.7	7123.0
19°	4674.9	4660.3	4689.3	4748.8	4842.9	5006.4	5276.0	5631.0	6102.8	6693.5	7299.6
20°	4691.9	4675.6	4708.3	4771.7	4866.8	5037.1	5320.1	5694.9	6201.2	6834.1	7479.4
21°	4708.0	4691.2	4729.1	4796.9	4894.1	5070.3	5365.3	5760.9	6303.9	6977.9	7653.3
22°	4725.7	4707.2	4750.3	4822.3	4922.2	5105.5	5412.0	5825.8	6405.5	7119.1	7823.8
23°	4745.0	4726.6	4772.2	4850.1	4951.8	5142.2	5458.9	5891.0	6510.6	7262.3	7990.1
24°	4767.7	4749.3	4796.1	4879.1	4980.9	5181.0	5507.2	5955.7	6614.4	7402.3	8150.1
25°	4792.1	4774.5	4823.2	4910.4	5010.6	5221.1	5553.9	6022.8	6719.9	7540.4	8305.5
26°	4819.2	4804.1	4853.2	4941.2	5041.1	5260.2	5602.0	6088.5	6826.4	7672.3	8457.7
27°	4849.9	4837.4	4885.6	4971.1	5072.4	5300.2	5649.9	6158.0	6932.9	7805.3	8613.1
28°	4883.1	4873.9	4921.7	5001.3	5106.1	5341.0	5699.6	6231.6	7042.3	7934.7	8771.5
29°	4919.4	4913.6	4959.2	5033.6	5140.3	5380.7	5751.7	6307.9	7155.4	8066.6	8923.8
30°	4956.8	4957.1	4996.8	5065.4	5176.0	5421.2	5805.6	6388.3	7269.9	8204.0	9074.4
31°	4994.0	5000.3	5034.1	5098.3	5212.7	5461.0	5860.1	6472.7	7390.0	8347.6	9236.0
32°	5032.2	5048.2	5072.4	5131.3	5249.3	5501.4	5912.8	6556.4	7512.3	8488.2	9376.6
33°	5071.4	5096.4	5111.0	5165.4	5286.3	5540.4	5966.1	6646.3	7639.3	8624.0	9511.6
34°	5111.2	5143.2	5149.3	5199.5	5322.2	5577.0	6020.9	6736.3	7758.6	8750.5	9620.9
35°	5151.4	5192.8	5189.1	5236.4	5359.0	5614.8	6076.7	6826.2	7870.7	8862.1	9697.4
36°	5192.5	5244.5	5229.5	5276.4	5396.3	5654.9	6131.0	6911.9	7977.6	8949.5	9730.2
37°	5234.7	5294.5	5268.6	5322.1	5438.0	5695.7	6181.4	7001.9	8068.9	9001.8	9733.3
38°	5273.8	5343.5	5306.1	5370.4	5486.2	5738.7	6232.0	7085.9	8138.4	9026.8	9714.6
39°	5311.8	5395.7	5343.3	5422.1	5537.9	5784.1	6278.3	7160.9	8188.4	9042.4	9695.1
40°	5352.2	5447.9	5382.4	5473.9	5592.0	5829.5	6328.1	7227.0	8223.5	9058.8	9690.4
41°	5393.3	5495.8	5424.8	5526.1	5649.6	5878.6	6375.9	7287.3	8256.3	9083.0	9705.2
42°	5435.4	5544.3	5469.6	5577.1	5710.7	5929.7	6428.5	7343.4	8300.8	9115.0	9735.7
43°	5478.5	5590.4	5515.4	5626.9	5772.6	5983.2	6488.4	7400.4	8360.9	9154.1	9770.8
44°	5522.4	5636.1	5563.4	5677.4	5832.7	6043.9	6551.7	7455.8	8427.3	9203.2	9803.6

REPORT NUMBER: P1445052

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5568.6	5681.2	5611.4	5727.3	5893.0	6107.3	6615.0	7509.1	8490.5	9259.5	9831.7
46°	5616.6	5724.5	5662.9	5777.9	5951.9	6174.4	6676.3	7562.8	8552.2	9320.3	9855.1
47°	5669.3	5770.1	5716.6	5827.7	6010.9	6245.2	6742.6	7618.3	8613.8	9380.5	9871.5
48°	5727.2	5809.2	5774.0	5877.8	6068.1	6318.9	6816.3	7666.9	8680.2	9435.1	9882.4
49°	5788.2	5848.7	5833.8	5930.9	6126.4	6390.1	6889.8	7711.3	8746.6	9485.1	9891.0
50°	5848.2	5887.8	5896.9	5987.7	6185.8	6459.7	6963.3	7751.1	8807.5	9528.8	9894.9
51°	5910.3	5930.2	5959.0	6047.5	6245.9	6525.6	7035.6	7788.3	8865.2	9568.6	9894.9
52°	5973.6	5970.0	6024.0	6111.6	6309.5	6591.2	7105.1	7826.9	8916.7	9604.5	9891.8
53°	6037.2	6007.2	6087.8	6179.0	6374.6	6659.3	7168.7	7861.3	8962.8	9636.5	9886.3
54°	6100.3	6043.0	6149.1	6248.1	6443.7	6728.9	7226.5	7894.1	9001.8	9663.1	9874.6
55°	6157.3	6080.1	6203.8	6321.0	6518.1	6801.7	7279.5	7920.6	9033.8	9681.0	9857.4
56°	6206.6	6116.3	6252.3	6393.6	6596.8	6876.3	7327.9	7944.8	9057.3	9695.8	9830.1
57°	6247.8	6152.0	6297.5	6467.6	6680.4	6949.2	7371.9	7966.7	9068.2	9701.3	9794.2
58°	6287.9	6186.5	6338.2	6533.6	6769.5	7022.2	7411.9	7980.7	9074.4	9693.5	9741.1
59°	6325.7	6220.6	6375.9	6594.6	6861.0	7094.8	7445.6	7984.6	9070.5	9676.3	9683.4
60°	6361.2	6250.1	6408.6	6657.1	6955.2	7164.9	7470.7	7979.9	9051.0	9652.1	9613.9
61°	6390.4	6277.3	6436.0	6726.0	7051.0	7234.6	7487.0	7974.5	9019.0	9618.6	9541.3
62°	6413.9	6305.7	6461.3	6795.1	7149.0	7307.5	7494.6	7962.8	8976.9	9567.8	9455.4
63°	6441.3	6332.2	6488.8	6855.4	7243.7	7379.0	7497.4	7934.7	8920.6	9501.5	9350.8
64°	6466.1	6359.4	6518.0	6911.1	7342.5	7446.3	7490.3	7891.7	8848.8	9417.9	9219.6
65°	6489.0	6364.4	6538.0	6968.1	7438.6	7510.4	7471.0	7818.4	8749.7	9314.1	9062.7
66°	6501.7	6331.1	6536.7	7027.5	7527.2	7567.6	7427.5	7702.5	8616.2	9185.3	8880.1
67°	6495.2	6293.6	6520.4	7076.7	7612.3	7602.6	7348.4	7546.6	8439.0	9037.0	8681.0
68°	6476.3	6227.5	6496.5	7116.8	7684.9	7607.0	7224.4	7293.0	8211.8	8852.0	8463.2
69°	6418.9	6055.8	6428.4	7137.7	7745.2	7582.8	7030.0	6895.1	7922.2	8627.1	8230.5
70°	6292.1	5765.0	6279.6	7139.3	7789.1	7524.8	6715.6	6333.7	7525.0	8359.4	7973.7
71°	6066.2	5323.2	6026.1	7112.9	7810.5	7413.3	6272.3	5683.3	7001.1	8033.8	7703.1
72°	5699.9	4780.8	5630.7	7048.5	7791.2	7251.0	5785.9	5102.9	6411.9	7672.9	7430.4
73°	5192.2	4224.1	5143.1	6945.4	7693.1	7006.5	5332.6	4580.4	5780.3	7230.1	7145.6
74°	4639.2	3666.5	4588.0	6748.5	7504.8	6715.6	4899.1	3984.9	5160.3	6716.4	6838.3
75°	4064.4	2968.7	3992.4	6434.4	7235.2	6411.0	4301.0	3065.4	4461.9	6143.0	6470.4
76°	3449.4	2235.0	3370.2	6061.5	6825.3	6082.7	3413.3	1912.1	3579.3	5539.4	6034.8
77°	2755.6	1749.7	2719.1	5626.6	6203.2	5642.4	2415.7	894.1	2471.3	4846.1	5428.3
78°	2300.4	1834.9	2333.6	5067.0	5355.7	4945.1	1418.1	653.1	1342.7	4008.8	4582.3
79°	2379.2	2314.1	2509.5	4339.6	4418.9	3883.6	422.8	436.5	597.0	3041.1	3587.2
80°	2859.3	2641.3	2974.1	3588.8	3499.2	2743.7	275.7	219.9	424.2	1917.0	2484.1
81°	3025.7	2048.5	2966.2	2927.9	2718.4	1603.8	226.8	188.8	252.9	913.4	1374.4
82°	2288.3	1455.5	2226.1	2655.6	2163.5	486.2	194.6	164.6	209.4	666.9	991.6
83°	1550.9	865.0	1486.0	2093.0	1608.6	326.4	162.4	140.9	177.2	432.6	628.8
84°	816.9	461.6	749.7	1530.4	1056.2	267.7	130.3	117.0	147.1	198.3	266.1
85°	431.7	278.3	417.6	967.9	614.9	217.9	103.8	92.0	114.6	148.3	224.0
86°	345.8	97.5	334.5	538.5	433.0	168.1	80.0	69.1	86.0	113.3	180.4
87°	259.9	65.7	251.5	431.1	251.0	118.4	57.9	46.2	61.7	82.9	128.1
88°	173.9	34.0	168.4	323.7	70.7	89.9	39.9	23.4	37.5	52.9	70.0
89°	88.0	3.0	85.4	216.3	37.4	61.3	22.0	7.8	13.3	40.1	52.7

REPORT NUMBER: P1445052

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: P1445052

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: P1445052
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: P1445052

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4991.6	4991.6	4991.6
1°	5051.1	5060.4	5064.0
2°	5126.1	5142.9	5147.9
3°	5210.0	5235.2	5243.0
4°	5302.5	5338.0	5349.5
5°	5403.0	5451.5	5466.9
6°	5513.8	5576.4	5597.0
7°	5633.6	5711.8	5737.6
8°	5761.3	5856.2	5887.2
9°	5900.3	6014.5	6052.9
10°	6050.5	6188.2	6231.9
11°	6212.1	6373.5	6425.7
12°	6384.5	6570.5	6634.1
13°	6572.0	6784.2	6858.9
14°	6764.4	7008.3	7096.1
15°	6966.3	7241.9	7342.8
16°	7179.8	7485.4	7596.8
17°	7400.5	7727.8	7847.2
18°	7619.0	7973.7	8094.7
19°	7830.8	8206.3	8335.9
20°	8037.7	8430.4	8570.9
21°	8238.3	8642.0	8791.1
22°	8429.6	8844.9	8999.5
23°	8612.3	9045.6	9192.3
24°	8791.1	9238.4	9378.9
25°	8969.1	9424.2	9556.9
26°	9145.5	9593.6	9707.6
27°	9316.4	9742.7	9845.7
28°	9469.5	9872.3	9969.9
29°	9614.7	10006.6	10102.6
30°	9761.4	10154.1	10260.3
31°	9907.4	10290.7	10392.2
32°	10044.8	10390.6	10490.6
33°	10144.0	10439.8	10528.8
34°	10196.3	10430.5	10507.0
35°	10197.0	10368.8	10432.0
36°	10162.7	10274.3	10332.9
37°	10098.7	10182.2	10249.3
38°	10040.9	10121.3	10210.3
39°	10012.0	10094.8	10196.3
40°	10001.9	10081.5	10191.6
41°	9999.5	10075.3	10187.7
42°	9999.5	10068.2	10176.0
43°	10000.3	10059.6	10153.3
44°	10000.3	10044.8	10117.4

REPORT NUMBER: P1445052

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	9998.0	10019.0	10069.8
46°	9993.3	9984.7	10011.2
47°	9983.1	9946.4	9948.0
48°	9968.3	9905.1	9880.9
49°	9942.5	9862.1	9811.4
50°	9911.3	9820.8	9736.4
51°	9871.5	9772.4	9651.4
52°	9825.4	9712.2	9556.1
53°	9777.0	9640.4	9450.7
54°	9727.1	9548.3	9332.1
55°	9670.1	9440.6	9200.1
56°	9601.4	9316.4	9050.2
57°	9516.3	9172.0	8880.8
58°	9411.7	9005.7	8692.7
59°	9296.1	8816.8	8492.1
60°	9163.4	8610.7	8251.6
61°	9008.9	8375.7	7953.4
62°	8840.2	8093.9	7598.5
63°	8662.2	7765.0	7200.2
64°	8464.7	7406.2	6806.0
65°	8243.8	7071.6	6463.7
66°	8005.7	6783.4	6192.1
67°	7770.0	6538.5	6018.2
68°	7535.8	6353.2	5929.1
69°	7332.3	6208.9	5851.8
70°	7154.0	6081.5	5633.0
71°	6969.4	5876.8	5198.4
72°	6758.8	5514.8	4618.9
73°	6559.0	5013.4	4038.7
74°	6304.6	4437.5	3501.7
75°	5926.6	3812.6	2721.2
76°	5426.6	3051.5	1664.3
77°	4848.5	2042.5	736.6
78°	4109.7	1026.2	553.6
79°	3086.8	741.2	383.4
80°	1792.8	483.4	213.1
81°	857.3	225.7	185.8
82°	639.5	187.3	163.6
83°	427.1	163.4	141.9
84°	214.7	137.0	120.1
85°	156.7	109.9	97.7
86°	117.8	85.5	73.3
87°	86.4	63.2	53.1
88°	69.3	41.0	33.0
89°	52.7	18.8	12.9

REPORT NUMBER: P1445052

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: P1445052

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: P1445052

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)