

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: P1445078

Luminaire Tested: XAS300-SFPM (4000K-240W-T5)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445078
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 (4000K-240W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 38305.9 lumens
Efficiency: 84.1%
Efficacy: 160.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 238.5
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

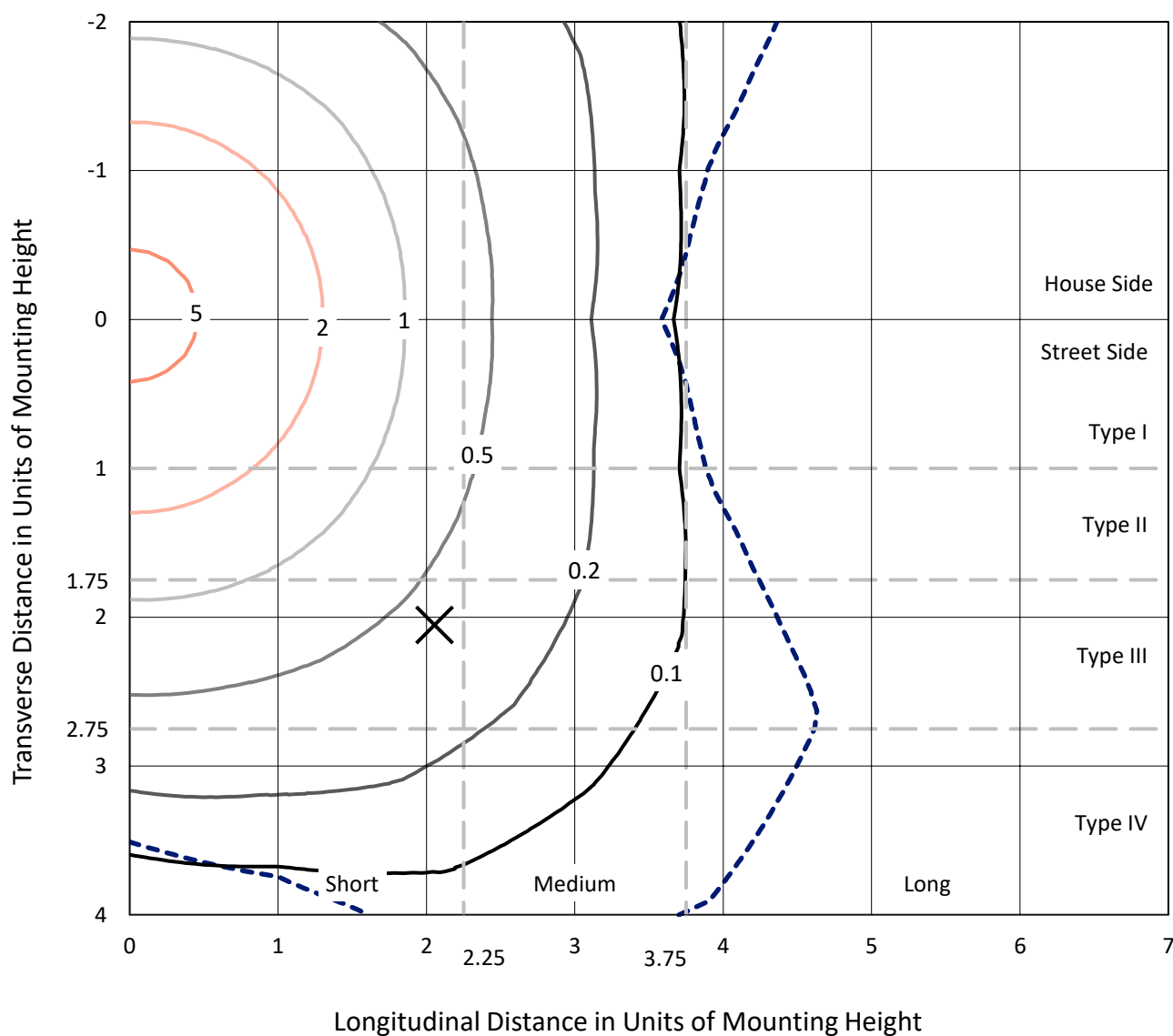
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

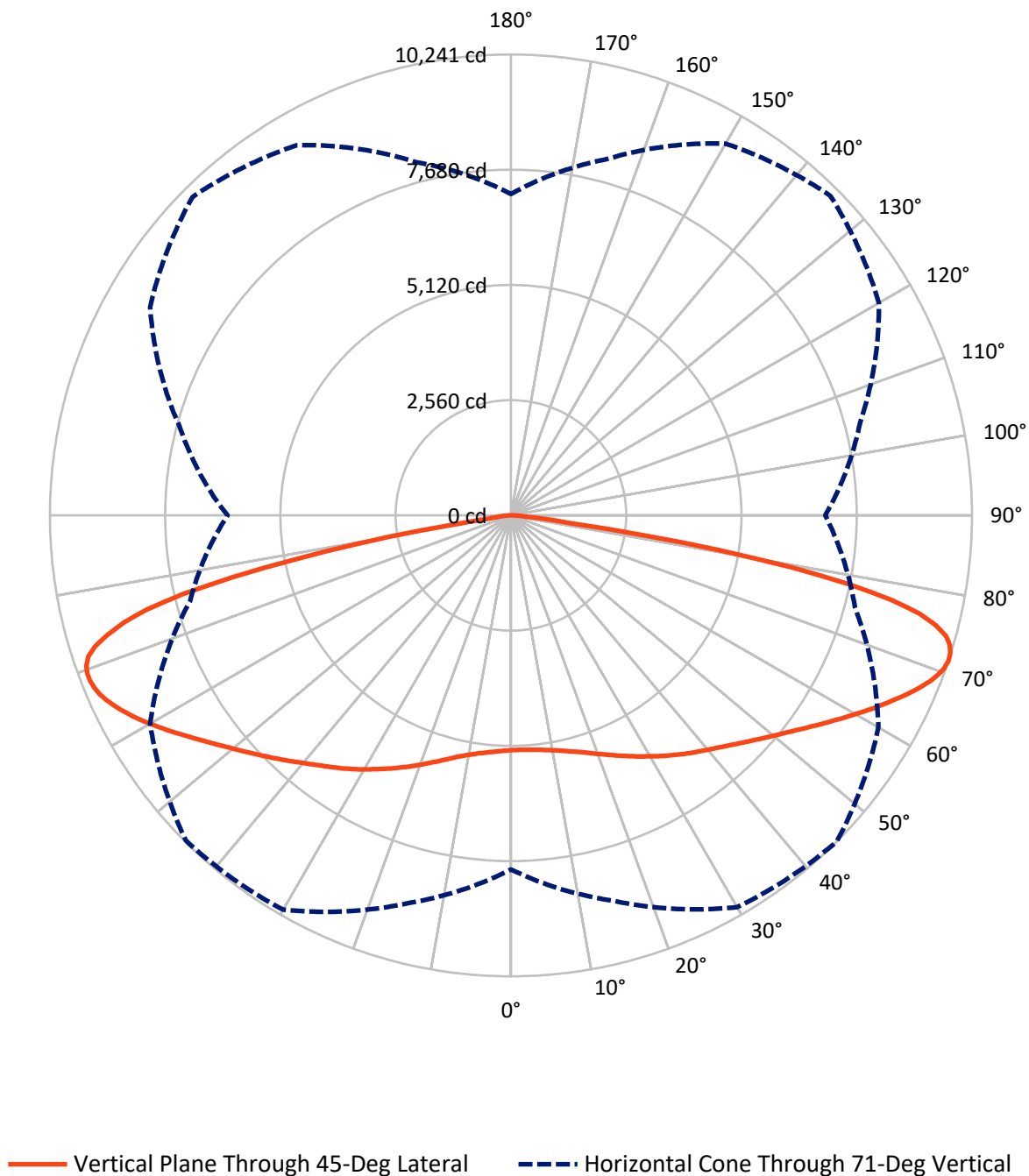


Based on 30 foot mounting height. Maximum calculated value = 5.8 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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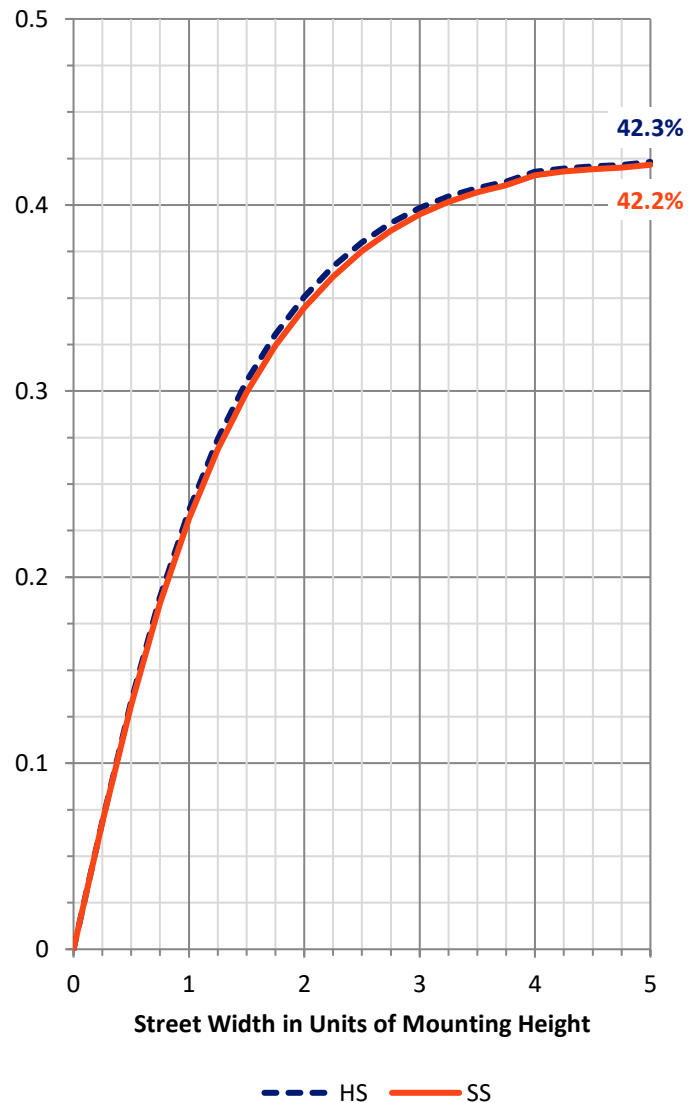
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19157.1	0.0	19157.1
	% Lamp	42.1	0.0	42.1
Street Side	Lumens	19148.7	0.0	19148.7
	% Lamp	42.1	0.0	42.1
Total	Lumens	38305.9	0.0	38305.9
	% Lamp	84.1	0.0	84.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	503.7	1.3	1.1
10°-20°	1572.3	4.1	3.5
20°-30°	2802.0	7.3	6.2
30°-40°	4193.0	10.9	9.2
40°-50°	5739.6	15.0	12.6
50°-60°	7484.3	19.5	16.4
60°-70°	9023.1	23.6	19.8
70°-80°	6594.4	17.2	14.5
80°-90°	393.4	1.0	0.9
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°	38305.9	100.0	84.1
0°-180°	38305.9	100.0	84.1

Coefficient of Utilization



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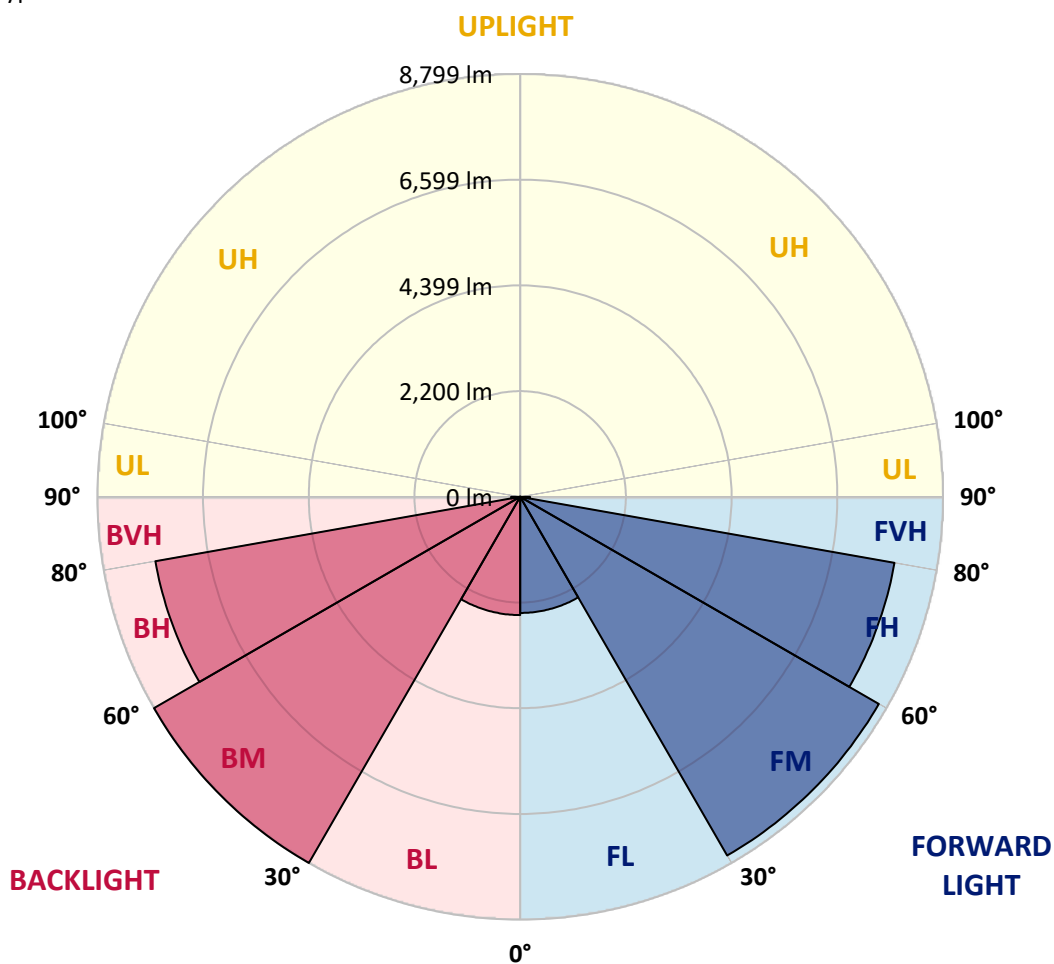
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2417.0	5.3			
FM	(30°-60°)	8618.0	18.9			
FH	(60°-80°)	7909.1	17.4			G4/12000
FVH	(80°-90°)	204.7	0.4			G2/225
BL	(0°-30°)	2461.0	5.4	B3/2500		
BM	(30°-60°)	8798.9	19.3	B5		
BH	(60°-80°)	7708.4	16.9	B5		G4/12000
BVH	(80°-90°)	188.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		7229.1	15.9			

BUG Rating: B5-U0-G4

Type V Short



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0
1°	5213.2	5211.7	5212.0	5212.9	5213.7	5215.6	5211.4	5211.4	5212.3	5213.7	5214.3
2°	5212.8	5211.7	5211.7	5212.8	5214.5	5215.9	5212.3	5213.2	5215.0	5217.7	5219.1
3°	5215.9	5213.4	5214.1	5214.5	5217.8	5220.7	5217.0	5218.8	5221.5	5224.7	5226.7
4°	5219.4	5217.5	5218.6	5221.2	5224.5	5227.6	5224.5	5226.7	5231.0	5234.2	5236.3
5°	5224.5	5223.0	5225.4	5228.6	5234.4	5239.4	5236.7	5239.2	5242.1	5246.2	5250.2
6°	5233.0	5230.2	5234.4	5239.8	5247.7	5253.5	5251.4	5253.6	5256.1	5259.8	5265.3
7°	5242.9	5241.7	5245.3	5254.2	5262.7	5267.5	5266.5	5269.7	5271.9	5276.0	5282.9
8°	5254.6	5253.5	5260.2	5269.8	5278.4	5286.1	5284.8	5288.3	5292.3	5296.3	5304.7
9°	5269.6	5267.4	5276.4	5286.4	5298.5	5306.5	5305.7	5308.9	5315.1	5320.5	5328.6
10°	5287.6	5286.2	5295.5	5307.2	5321.9	5330.2	5329.0	5331.6	5339.5	5349.0	5356.3
11°	5310.1	5306.7	5318.0	5331.6	5346.5	5354.3	5354.2	5356.6	5365.8	5378.5	5386.8
12°	5334.6	5331.0	5342.0	5357.6	5372.9	5382.4	5383.6	5386.4	5397.4	5412.2	5421.2
13°	5362.1	5357.4	5368.1	5386.6	5402.1	5413.1	5415.9	5420.7	5432.1	5448.0	5458.7
14°	5393.0	5388.3	5396.4	5417.3	5434.4	5450.3	5453.5	5457.2	5470.5	5486.2	5500.1
15°	5428.2	5421.1	5429.1	5450.0	5470.7	5488.3	5493.8	5499.1	5512.1	5528.0	5542.7
16°	5464.6	5456.7	5465.9	5485.5	5509.9	5529.5	5537.8	5545.1	5555.8	5572.0	5587.4
17°	5503.2	5492.7	5504.8	5523.3	5550.9	5575.3	5585.5	5591.0	5603.4	5619.1	5634.2
18°	5542.2	5532.3	5543.3	5566.7	5594.0	5623.6	5635.8	5641.9	5652.8	5669.3	5684.3
19°	5582.8	5572.8	5586.7	5614.1	5639.6	5672.9	5689.3	5693.9	5704.3	5721.1	5735.0
20°	5625.7	5616.2	5631.2	5661.0	5688.3	5723.5	5743.9	5748.9	5757.5	5774.1	5786.3
21°	5668.9	5660.8	5677.6	5710.6	5738.1	5778.6	5799.4	5807.7	5812.6	5831.0	5839.3
22°	5712.7	5706.0	5726.2	5760.7	5790.6	5834.5	5855.9	5868.2	5871.1	5887.4	5891.5
23°	5759.3	5754.6	5776.2	5813.9	5847.2	5891.9	5911.4	5927.0	5931.4	5944.7	5946.7
24°	5807.5	5805.5	5826.8	5867.0	5903.3	5945.8	5964.1	5985.2	5992.1	6002.1	6000.4
25°	5859.5	5858.4	5880.1	5922.6	5960.1	6000.5	6015.9	6042.9	6052.1	6060.7	6056.6
26°	5911.9	5914.7	5933.7	5978.6	6015.3	6057.6	6069.8	6101.0	6113.5	6119.5	6113.6
27°	5969.2	5972.5	5990.3	6035.2	6070.9	6115.9	6126.3	6161.6	6174.5	6177.3	6170.4
28°	6028.9	6032.7	6047.7	6091.8	6126.9	6175.3	6186.5	6220.3	6235.1	6237.3	6228.5
29°	6090.8	6092.8	6107.2	6150.3	6183.7	6235.1	6249.4	6282.4	6298.7	6295.5	6287.6
30°	6157.8	6155.5	6166.9	6208.9	6243.1	6297.0	6317.5	6347.5	6361.8	6355.8	6348.6
31°	6227.2	6218.1	6228.9	6271.5	6301.9	6360.7	6385.6	6413.5	6428.7	6419.4	6410.9
32°	6297.2	6280.5	6289.2	6333.2	6363.1	6420.6	6451.9	6477.6	6493.7	6484.3	6477.2
33°	6372.5	6342.8	6350.3	6392.8	6425.6	6481.1	6518.9	6540.6	6557.5	6550.3	6539.3
34°	6451.4	6406.4	6412.2	6454.3	6486.2	6541.9	6587.3	6603.1	6618.0	6611.5	6604.8
35°	6531.1	6471.5	6477.9	6519.5	6545.5	6603.6	6656.8	6666.1	6677.4	6676.2	6672.7
36°	6610.8	6534.7	6540.9	6581.2	6605.5	6663.7	6727.4	6727.9	6739.4	6742.9	6740.4
37°	6693.5	6594.5	6604.4	6640.9	6666.1	6718.9	6799.5	6789.4	6804.1	6809.9	6811.3
38°	6777.6	6652.4	6665.4	6704.6	6727.4	6775.7	6873.0	6848.8	6868.2	6878.8	6881.0
39°	6861.8	6711.6	6726.4	6766.7	6788.5	6836.4	6952.1	6910.5	6932.0	6948.3	6949.8
40°	6948.9	6774.7	6787.8	6830.2	6851.2	6899.8	7037.2	6976.9	6999.2	7021.6	7022.1
41°	7039.3	6843.1	6853.6	6896.6	6918.3	6968.6	7120.2	7046.0	7069.4	7094.1	7093.2
42°	7126.7	6920.3	6923.1	6967.6	6988.1	7041.0	7198.6	7121.0	7140.7	7170.3	7168.5
43°	7207.7	7003.5	6996.1	7043.1	7065.7	7114.4	7278.5	7196.0	7218.3	7249.4	7246.7
44°	7283.5	7090.9	7074.0	7121.9	7146.2	7193.8	7358.8	7272.4	7298.4	7332.5	7328.3

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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7358.2	7177.0	7155.4	7203.8	7227.0	7277.0	7439.5	7351.4	7379.0	7417.9	7413.1
46°	7428.6	7268.6	7242.5	7290.9	7313.8	7363.0	7514.9	7437.2	7465.0	7505.8	7501.8
47°	7494.7	7365.6	7336.3	7378.1	7401.7	7453.2	7585.6	7526.6	7552.6	7597.4	7591.7
48°	7560.4	7468.0	7432.2	7470.1	7489.8	7542.8	7655.4	7618.0	7643.0	7691.9	7687.3
49°	7629.6	7575.2	7531.0	7566.0	7584.1	7634.3	7721.8	7707.8	7732.1	7785.6	7785.5
50°	7702.6	7688.1	7634.1	7663.7	7684.1	7730.5	7785.5	7800.8	7825.9	7883.2	7887.2
51°	7779.8	7803.3	7742.7	7765.9	7780.3	7825.2	7846.5	7892.9	7919.7	7983.0	7991.5
52°	7856.6	7921.8	7854.4	7873.7	7884.9	7922.8	7902.1	7987.2	8016.7	8085.6	8098.6
53°	7944.1	8044.2	7969.0	7990.4	7988.1	8013.8	7955.7	8075.6	8114.6	8191.9	8209.8
54°	8037.2	8164.3	8090.8	8108.2	8093.5	8099.3	8011.8	8160.9	8217.4	8299.8	8322.0
55°	8131.7	8282.2	8217.1	8231.7	8198.9	8182.0	8066.6	8241.6	8316.0	8414.1	8436.0
56°	8226.1	8397.3	8346.0	8360.0	8306.7	8266.6	8122.7	8320.5	8414.1	8530.2	8548.7
57°	8318.9	8506.7	8477.2	8489.0	8413.3	8348.9	8177.8	8395.2	8515.1	8653.9	8659.8
58°	8405.6	8611.0	8605.9	8626.1	8521.0	8421.7	8232.3	8463.8	8612.7	8779.2	8763.3
59°	8496.6	8702.7	8739.7	8763.3	8627.0	8485.6	8279.9	8527.7	8708.6	8908.0	8857.5
60°	8582.4	8791.9	8871.8	8905.4	8731.3	8542.0	8319.6	8584.1	8802.8	9039.2	8946.7
61°	8655.6	8868.4	9011.4	9049.3	8830.6	8586.6	8350.4	8628.7	8899.5	9172.9	9041.7
62°	8717.8	8934.9	9148.6	9191.5	8932.3	8616.9	8371.4	8665.7	8995.4	9303.3	9141.0
63°	8781.8	8998.8	9285.7	9334.5	9033.3	8640.4	8386.3	8696.8	9088.0	9431.2	9233.5
64°	8861.7	9060.2	9418.6	9479.2	9125.0	8653.1	8392.5	8716.1	9178.8	9557.4	9320.2
65°	8949.2	9132.6	9554.0	9626.4	9216.7	8661.5	8393.1	8730.5	9267.2	9671.8	9400.9
66°	9002.2	9210.0	9681.9	9766.0	9301.7	8664.8	8369.9	8733.0	9346.2	9779.5	9482.5
67°	9011.4	9270.5	9791.3	9895.6	9369.0	8648.0	8323.6	8711.9	9413.5	9870.3	9552.3
68°	9005.5	9289.9	9893.9	10020.1	9434.6	8587.4	8209.9	8662.3	9469.1	9948.6	9605.3
69°	8907.1	9261.3	9989.0	10123.6	9469.9	8476.4	7961.4	8555.5	9504.4	10004.1	9615.4
70°	8558.8	9157.0	10049.5	10200.9	9464.9	8254.0	7567.0	8356.7	9501.0	10039.4	9592.7
71°	7866.0	8868.4	10049.5	10240.5	9422.8	7910.6	6981.5	8032.9	9439.6	10037.7	9537.2
72°	6960.3	8321.4	9962.9	10229.6	9324.4	7451.3	6357.8	7559.4	9316.0	9994.0	9396.7
73°	6084.6	7561.4	9791.3	10170.7	9160.3	6906.5	5799.4	6975.9	9110.7	9867.8	9166.2
74°	5239.2	6712.7	9511.1	10029.3	8902.1	6368.7	5334.3	6371.4	8829.7	9644.0	8822.1
75°	3987.5	5770.7	9078.7	9749.2	8593.3	5836.6	4793.3	5805.9	8455.4	9300.0	8271.6
76°	2323.9	4544.8	8424.2	9329.4	8192.9	5163.1	3843.9	5208.1	7995.2	8830.6	7522.3
77°	914.4	2889.8	7545.3	8643.0	7657.5	4137.0	2706.0	4270.4	7420.3	8129.8	6623.1
78°	667.1	1311.7	6450.6	7647.8	6869.9	2763.4	1567.9	3026.0	6685.0	7128.4	5519.9
79°	443.1	931.7	4972.1	6327.5	5771.5	1373.9	440.4	1781.5	5641.1	5774.6	4044.6
80°	219.2	582.2	3080.0	4688.4	4273.0	977.7	249.7	547.9	4215.7	4206.2	2871.0
81°	194.5	232.8	1458.5	2971.4	2497.2	603.7	220.4	273.4	2956.6	2957.2	1697.3
82°	172.0	200.6	1050.3	1331.2	1071.5	229.7	191.1	226.1	1697.7	1708.2	529.5
83°	150.1	171.7	648.2	976.6	772.8	186.5	161.9	194.9	448.7	460.4	286.3
84°	127.5	144.4	246.0	631.6	491.9	157.5	138.7	163.7	264.9	293.9	218.2
85°	104.0	117.6	185.8	286.6	211.0	129.3	115.1	135.3	207.8	245.0	150.8
86°	77.0	92.2	142.0	227.1	155.3	102.4	91.3	107.9	150.9	195.3	106.8
87°	52.4	68.5	107.6	169.2	119.1	78.3	66.5	83.5	114.3	145.6	74.8
88°	27.8	44.8	74.3	105.2	85.2	54.5	42.7	60.2	81.8	91.1	46.3
89°	11.4	21.1	39.8	55.3	46.5	30.7	30.0	41.8	56.3	62.7	32.7

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445078
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0	5214.0
1°	5216.2	5218.3	5219.5	5220.4	5220.9	5221.8	5222.0	5216.9	5216.7	5216.1	5214.5
2°	5220.9	5225.2	5227.2	5229.4	5229.3	5230.6	5229.9	5226.0	5224.0	5221.5	5218.2
3°	5230.3	5234.7	5238.2	5239.9	5240.8	5241.1	5240.5	5236.4	5232.6	5228.9	5224.0
4°	5241.5	5246.3	5250.4	5252.9	5254.6	5255.3	5253.2	5246.8	5243.1	5238.9	5232.3
5°	5253.8	5259.6	5264.4	5268.6	5270.2	5270.0	5267.1	5260.2	5254.3	5249.5	5242.1
6°	5268.5	5275.8	5280.7	5285.1	5287.4	5287.1	5284.2	5276.2	5269.8	5261.9	5252.3
7°	5287.3	5294.5	5299.8	5305.1	5307.3	5306.9	5303.0	5295.5	5286.8	5278.1	5265.7
8°	5309.4	5315.9	5322.1	5328.8	5329.8	5329.5	5325.7	5316.1	5307.2	5297.7	5282.2
9°	5335.2	5341.0	5347.7	5354.4	5356.1	5353.7	5348.4	5339.0	5330.2	5320.3	5301.8
10°	5361.8	5368.2	5374.7	5383.3	5384.9	5381.5	5376.2	5367.5	5356.8	5343.8	5324.4
11°	5393.8	5401.2	5407.5	5415.0	5418.1	5415.2	5408.8	5400.9	5389.4	5372.0	5350.7
12°	5429.3	5437.0	5443.5	5450.3	5455.6	5453.4	5446.5	5439.9	5426.4	5406.2	5378.8
13°	5468.2	5476.2	5481.9	5489.7	5495.9	5494.7	5487.2	5480.4	5466.2	5444.4	5411.6
14°	5508.4	5516.6	5523.4	5532.0	5539.9	5540.4	5530.5	5522.5	5507.5	5483.9	5447.7
15°	5551.6	5561.1	5566.5	5578.6	5587.6	5586.6	5577.0	5569.1	5552.2	5525.2	5488.7
16°	5598.9	5607.7	5614.7	5627.4	5641.1	5638.2	5626.8	5621.0	5600.7	5570.2	5531.9
17°	5646.9	5656.2	5663.9	5679.3	5694.6	5689.9	5679.3	5674.0	5653.3	5619.4	5576.9
18°	5695.8	5704.2	5713.2	5732.2	5749.7	5744.3	5734.9	5729.8	5706.2	5669.6	5623.6
19°	5747.1	5754.2	5764.1	5786.5	5805.8	5799.7	5791.3	5786.5	5760.9	5723.4	5672.3
20°	5798.7	5803.6	5817.4	5840.7	5864.1	5858.3	5850.6	5845.0	5818.2	5776.9	5722.7
21°	5850.7	5854.7	5873.1	5898.6	5926.5	5918.5	5912.4	5905.9	5880.0	5831.9	5775.8
22°	5902.7	5906.6	5927.7	5954.9	5987.0	5980.8	5976.2	5963.8	5940.0	5887.5	5829.8
23°	5956.4	5959.3	5984.0	6015.5	6048.5	6042.3	6039.6	6021.6	6000.8	5947.8	5886.5
24°	6011.5	6015.3	6042.2	6073.5	6108.8	6107.4	6102.1	6077.9	6060.6	6008.7	5942.9
25°	6068.5	6073.5	6102.4	6135.0	6169.2	6172.5	6163.2	6136.1	6121.3	6067.5	5999.8
26°	6126.5	6135.0	6164.7	6198.0	6230.0	6238.6	6228.5	6195.1	6182.2	6125.4	6054.6
27°	6186.7	6197.4	6228.9	6259.5	6289.2	6303.8	6292.3	6255.3	6244.9	6185.0	6111.1
28°	6249.5	6264.6	6294.0	6320.8	6352.6	6371.2	6358.3	6321.3	6308.0	6244.7	6171.9
29°	6313.8	6333.9	6361.7	6382.1	6415.9	6437.6	6425.5	6392.7	6372.2	6305.3	6232.2
30°	6378.8	6404.4	6428.8	6445.0	6480.8	6503.2	6494.5	6464.7	6438.4	6365.0	6293.5
31°	6443.5	6478.4	6495.8	6510.3	6547.2	6566.9	6563.1	6537.1	6503.1	6427.1	6355.9
32°	6509.1	6554.0	6564.1	6575.3	6612.4	6631.6	6627.2	6602.6	6564.9	6488.1	6422.1
33°	6574.3	6632.1	6631.4	6639.8	6677.3	6692.9	6691.4	6668.6	6624.0	6551.0	6487.6
34°	6642.6	6708.7	6697.1	6706.5	6741.7	6752.3	6751.8	6735.0	6683.5	6611.9	6553.0
35°	6709.1	6789.2	6763.2	6773.4	6805.6	6811.2	6811.9	6802.5	6738.2	6673.2	6617.3
36°	6777.8	6870.6	6830.5	6840.1	6868.4	6871.5	6867.5	6870.1	6789.6	6732.2	6680.3
37°	6844.9	6950.8	6895.6	6908.4	6931.1	6933.7	6923.5	6944.3	6846.2	6792.9	6744.7
38°	6909.2	7032.2	6957.8	6975.3	6998.0	6996.3	6982.7	7023.3	6905.5	6852.7	6810.7
39°	6973.3	7117.3	7022.6	7041.2	7070.4	7061.9	7042.3	7105.8	6966.3	6918.8	6875.4
40°	7043.4	7204.9	7093.0	7111.7	7143.9	7128.4	7108.1	7191.1	7031.8	6987.2	6940.6
41°	7117.6	7289.7	7170.8	7184.0	7218.7	7199.5	7175.0	7281.7	7105.8	7059.4	7011.3
42°	7193.3	7373.9	7250.4	7260.2	7298.7	7272.9	7251.5	7372.3	7186.0	7131.8	7088.6
43°	7269.7	7456.6	7332.6	7340.6	7380.5	7348.3	7338.6	7459.6	7274.1	7209.3	7167.9
44°	7353.8	7536.4	7417.9	7423.1	7464.4	7427.9	7427.2	7537.6	7362.7	7288.9	7251.5

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	7440.8	7615.5	7506.8	7508.5	7551.5	7513.0	7518.5	7609.1	7451.2	7377.1	7339.0
46°	7536.5	7696.2	7601.7	7598.7	7635.9	7603.2	7604.9	7681.2	7539.8	7469.8	7430.3
47°	7635.8	7775.3	7704.2	7692.4	7726.2	7698.3	7698.2	7751.0	7631.8	7566.8	7523.6
48°	7743.5	7846.0	7807.1	7786.7	7815.9	7796.6	7794.6	7814.1	7726.3	7662.2	7619.6
49°	7851.3	7918.3	7913.9	7882.4	7911.2	7895.6	7892.5	7871.6	7823.9	7757.5	7718.6
50°	7958.3	7992.8	8021.3	7984.9	8010.3	7996.5	7991.8	7928.4	7921.8	7853.2	7822.3
51°	8065.8	8071.1	8128.3	8086.7	8111.2	8092.2	8086.4	7985.3	8019.7	7952.5	7931.0
52°	8174.7	8146.5	8236.9	8197.0	8219.1	8190.6	8180.2	8043.3	8108.3	8053.6	8042.1
53°	8284.6	8218.8	8345.5	8306.3	8328.4	8289.8	8266.4	8099.2	8194.4	8154.2	8158.1
54°	8389.8	8289.2	8447.0	8420.0	8441.9	8391.5	8346.8	8156.0	8278.4	8257.0	8279.6
55°	8486.5	8360.0	8539.5	8534.4	8558.8	8489.0	8419.2	8209.0	8354.9	8352.3	8404.5
56°	8566.4	8425.9	8619.4	8648.0	8679.1	8586.6	8484.8	8259.4	8423.4	8452.8	8533.6
57°	8633.7	8490.7	8692.6	8764.9	8807.0	8680.8	8547.1	8306.8	8481.4	8553.8	8664.8
58°	8694.3	8552.1	8756.5	8867.6	8933.2	8773.4	8600.9	8351.1	8533.6	8646.3	8795.2
59°	8750.6	8610.2	8814.6	8960.1	9061.1	8864.2	8648.0	8382.5	8579.0	8739.7	8926.5
60°	8802.0	8661.5	8862.5	9055.2	9194.8	8949.2	8684.2	8405.1	8615.2	8839.8	9062.7
61°	8842.3	8707.7	8899.5	9157.0	9321.8	9032.5	8711.9	8429.3	8641.3	8935.7	9202.4
62°	8871.8	8754.8	8931.5	9255.4	9447.2	9119.9	8728.8	8446.1	8664.0	9027.4	9342.9
63°	8905.4	8798.6	8965.2	9342.9	9565.0	9208.3	8741.4	8448.6	8680.8	9119.9	9483.4
64°	8936.6	8842.3	9003.9	9417.7	9681.1	9289.0	8745.6	8440.2	8688.4	9206.6	9619.6
65°	8965.2	8850.7	9029.1	9486.7	9786.2	9366.4	8736.3	8408.1	8679.1	9284.8	9745.0
66°	8976.1	8791.9	9020.7	9559.9	9880.4	9435.4	8706.1	8334.8	8651.4	9353.8	9862.8
67°	8949.2	8720.4	8981.1	9615.4	9960.4	9476.6	8634.5	8211.2	8576.5	9411.9	9975.5
68°	8899.5	8601.7	8924.8	9655.0	10014.2	9480.8	8531.1	7978.9	8453.7	9445.5	10079.0
69°	8790.2	8324.3	8798.6	9649.9	10044.5	9448.9	8358.8	7556.7	8243.9	9432.1	10154.7
70°	8571.5	7849.4	8547.1	9602.0	10045.3	9379.1	8069.0	6950.9	7887.3	9368.1	10203.5
71°	8191.6	7139.3	8122.7	9497.7	10004.9	9254.5	7617.1	6293.4	7380.8	9254.5	10213.6
72°	7581.6	6265.6	7464.9	9314.3	9900.6	9084.6	7033.7	5766.2	6790.6	9084.6	10171.5
73°	6755.8	5348.5	6653.2	9051.8	9687.8	8829.7	6445.6	5324.3	6238.8	8802.0	10047.0
74°	5822.1	4428.0	5738.1	8635.4	9351.3	8493.2	5901.8	4762.2	5694.6	8443.6	9809.8
75°	4833.0	3274.3	4700.5	7994.7	8930.7	8071.0	5276.6	3739.9	5041.3	8003.8	9445.5
76°	3712.7	2071.0	3551.3	7185.5	8351.8	7526.7	4346.0	2367.0	4040.5	7450.8	8905.4
77°	2642.0	869.3	2533.4	6213.9	7499.6	6784.5	3065.2	1070.7	2723.9	6734.9	8069.3
78°	1571.3	360.3	1515.5	4998.5	6315.7	5771.2	1784.5	781.1	1351.9	5764.0	6814.7
79°	518.8	230.7	499.9	3477.0	4885.5	4435.7	509.6	500.4	956.7	4400.8	5247.7
80°	271.1	196.7	270.6	2227.5	3471.7	3128.8	274.0	219.7	595.0	2695.8	3555.3
81°	226.9	162.9	225.4	978.4	2057.9	1822.0	232.0	189.9	233.3	1200.0	1839.6
82°	182.7	138.7	180.3	401.1	674.7	536.4	202.6	166.3	193.2	857.2	633.9
83°	138.6	116.3	135.6	312.8	340.6	294.9	173.3	142.6	165.5	539.5	465.0
84°	112.3	96.2	109.4	224.5	276.5	240.5	144.0	118.6	137.3	221.8	298.2
85°	86.4	73.6	83.0	137.0	224.9	186.2	117.0	93.6	110.0	165.6	249.4
86°	62.3	49.8	58.9	98.2	173.2	131.9	91.7	70.0	84.9	127.5	197.0
87°	44.1	34.5	41.7	65.7	121.9	97.7	68.2	46.6	60.9	94.4	135.0
88°	25.9	19.3	24.5	45.7	83.2	66.8	47.0	23.1	36.9	76.1	68.3
89°	7.8	4.2	7.6	25.8	44.5	46.4	25.9	7.4	13.0	57.9	52.0

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445078
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5214.0	5214.0	5214.0
1°	5213.4	5211.7	5213.2
2°	5215.3	5212.8	5212.8
3°	5219.0	5216.1	5215.9
4°	5225.4	5221.5	5219.4
5°	5234.0	5227.7	5224.5
6°	5243.7	5236.0	5233.0
7°	5255.9	5246.9	5242.9
8°	5269.6	5259.0	5254.6
9°	5286.2	5274.7	5269.6
10°	5305.3	5293.7	5287.6
11°	5329.5	5314.9	5310.1
12°	5356.0	5340.7	5334.6
13°	5384.0	5367.5	5362.1
14°	5414.9	5398.3	5393.0
15°	5450.8	5433.4	5428.2
16°	5490.8	5471.3	5464.6
17°	5533.2	5511.0	5503.2
18°	5577.1	5551.4	5542.2
19°	5624.2	5594.5	5582.8
20°	5672.6	5638.8	5625.7
21°	5723.0	5685.2	5668.9
22°	5774.1	5733.0	5712.7
23°	5826.6	5784.9	5759.3
24°	5879.9	5838.5	5807.5
25°	5934.7	5895.1	5859.5
26°	5990.5	5953.1	5911.9
27°	6047.7	6011.9	5969.2
28°	6106.7	6071.4	6028.9
29°	6165.7	6132.0	6090.8
30°	6226.0	6194.1	6157.8
31°	6287.4	6257.5	6227.2
32°	6350.4	6317.8	6297.2
33°	6414.8	6381.8	6372.5
34°	6479.1	6447.1	6451.4
35°	6545.7	6512.5	6531.1
36°	6612.8	6575.0	6610.8
37°	6676.1	6635.7	6693.5
38°	6742.4	6694.6	6777.6
39°	6808.1	6754.1	6861.8
40°	6873.6	6818.1	6948.9
41°	6941.0	6890.8	7039.3
42°	7013.4	6968.8	7126.7
43°	7089.9	7051.8	7207.7
44°	7173.7	7139.4	7283.5

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7261.2	7229.8	7358.2
46°	7357.1	7323.0	7428.6
47°	7455.0	7424.4	7494.7
48°	7553.1	7527.8	7560.4
49°	7657.0	7637.4	7629.6
50°	7761.0	7751.9	7702.6
51°	7872.9	7868.9	7779.8
52°	7987.7	7991.4	7856.6
53°	8103.5	8109.5	7944.1
54°	8228.1	8231.7	8037.2
55°	8352.5	8350.0	8131.7
56°	8479.8	8466.3	8226.1
57°	8608.5	8578.2	8318.9
58°	8740.5	8678.3	8405.6
59°	8875.1	8768.3	8496.6
60°	9014.0	8855.0	8582.4
61°	9149.4	8942.4	8655.6
62°	9284.8	9027.4	8717.8
63°	9422.0	9095.6	8781.8
64°	9555.7	9147.7	8861.7
65°	9690.3	9211.6	8949.2
66°	9819.9	9299.1	9002.2
67°	9934.3	9357.2	9011.4
68°	10015.0	9363.9	9005.5
69°	10095.8	9316.8	8907.1
70°	10142.9	9203.2	8558.8
71°	10116.0	8923.1	7866.0
72°	9979.7	8366.8	6960.3
73°	9787.9	7583.1	6084.6
74°	9491.8	6707.6	5239.2
75°	8939.9	5728.5	3987.5
76°	8184.1	4487.5	2323.9
77°	7273.3	2892.8	914.4
78°	6106.9	1360.7	667.1
79°	4464.2	964.8	443.1
80°	2473.1	604.4	219.2
81°	1099.0	244.0	194.5
82°	791.7	200.7	172.0
83°	507.5	171.8	150.1
84°	223.3	143.7	127.5
85°	170.5	115.3	104.0
86°	132.5	88.8	77.0
87°	97.5	64.8	52.4
88°	78.4	40.9	27.8
89°	59.6	17.0	11.4

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1445078

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)