

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: P1436833

Luminaire Tested: XAS300-SFPM (5000K-240W-T4)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436833
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 (5000K-240W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

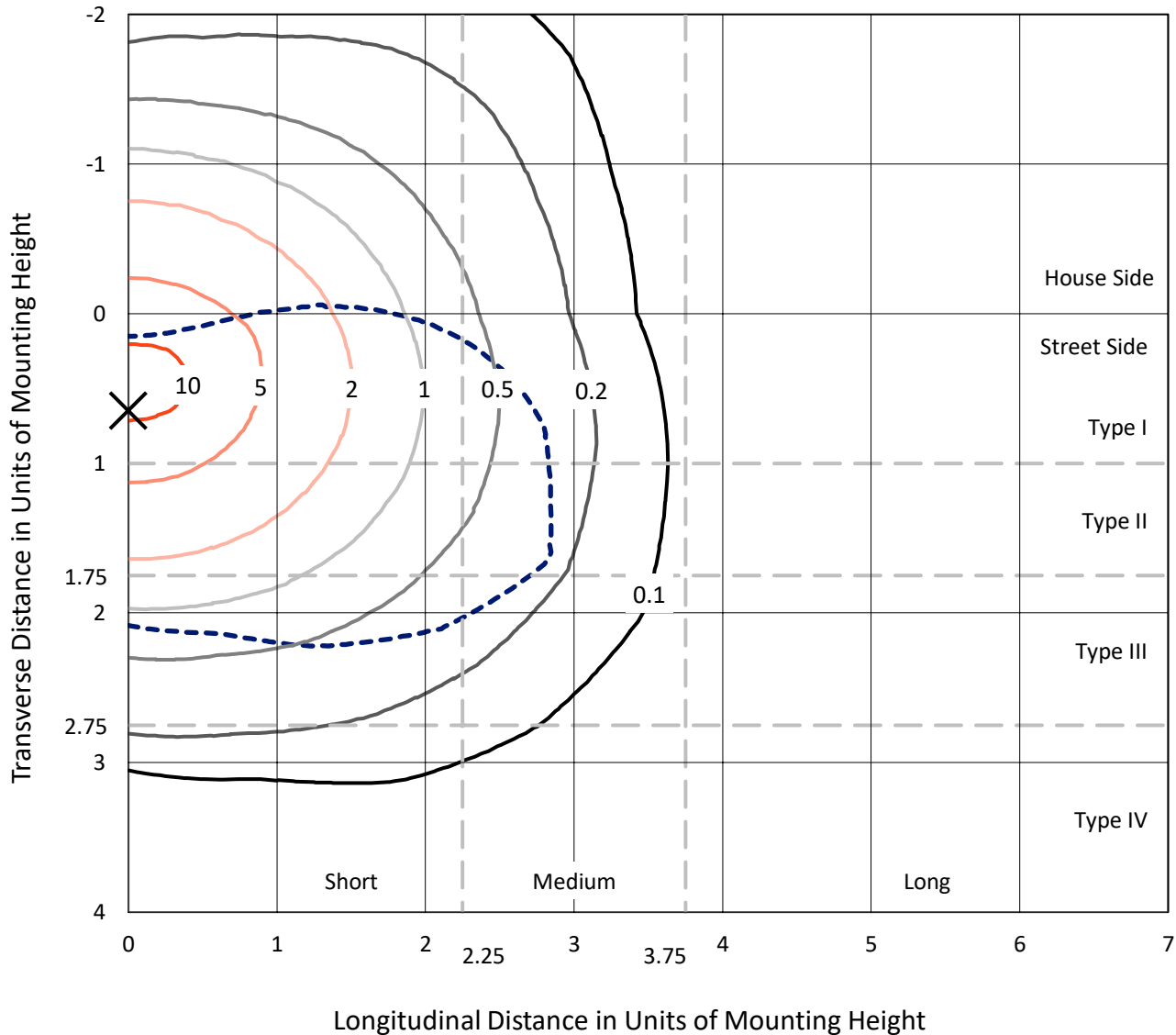
Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 38531.1 lumens
Efficiency: 100.4%
Efficacy: 158.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 242.8
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

REPORT NUMBER: P1436833
 CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

Iso-Footcandle Lines of Horizontal Illumination

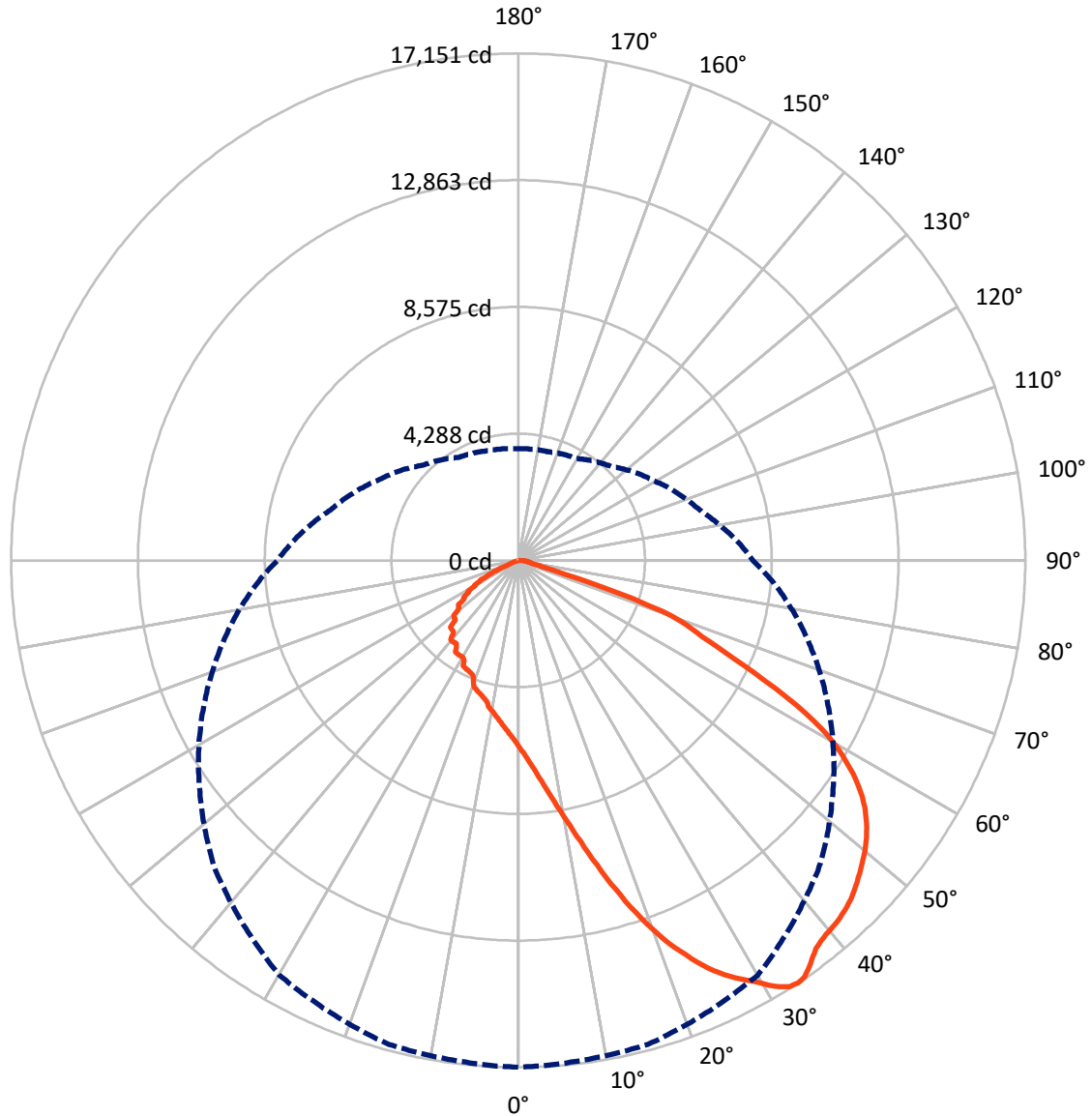
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P1436833
CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

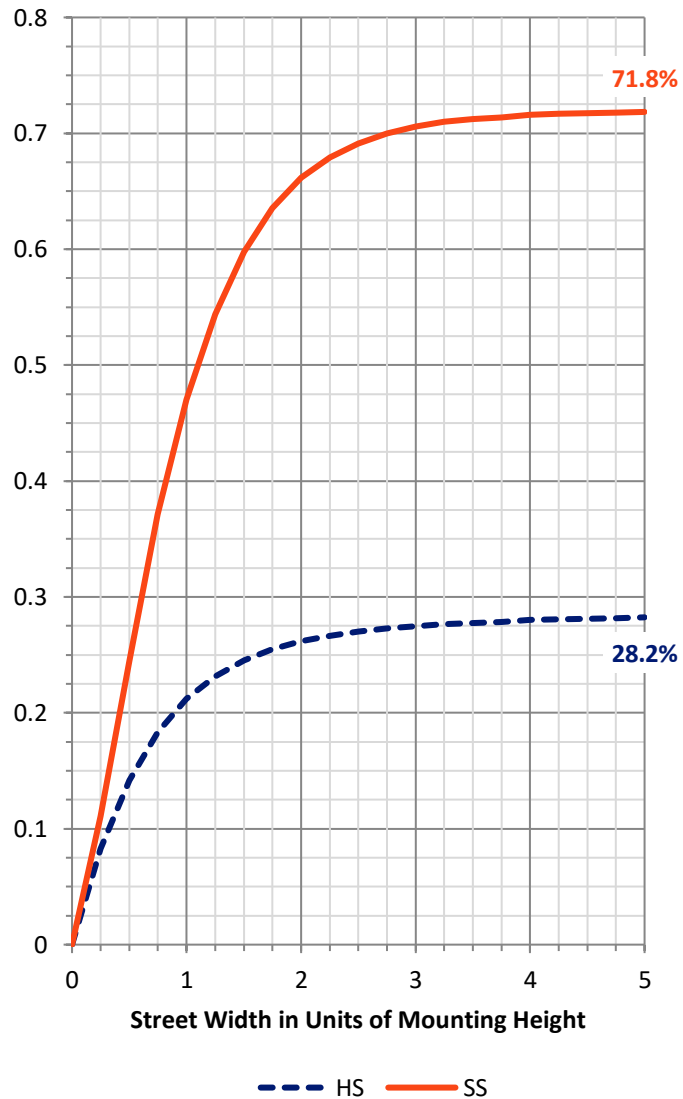
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10909.7	0.0	10909.7
	% Lamp	28.4	0.0	28.4
Street Side	Lumens	27621.4	0.0	27621.4
	% Lamp	72.0	0.0	72.0
Total	Lumens	38531.1	0.0	38531.1
	% Lamp	100.4	0.0	100.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	628.5	1.6	1.6
10°-20°	2116.5	5.5	5.5
20°-30°	4015.2	10.4	10.5
30°-40°	5915.7	15.4	15.4
40°-50°	7210.0	18.7	18.8
50°-60°	7886.8	20.5	20.6
60°-70°	6978.2	18.1	18.2
70°-80°	3456.8	9.0	9.0
80°-90°	323.4	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°	38531.1	100.0	100.4
0°-180°	38531.1	100.0	100.4

Coefficient of Utilization



REPORT NUMBER: P1436833

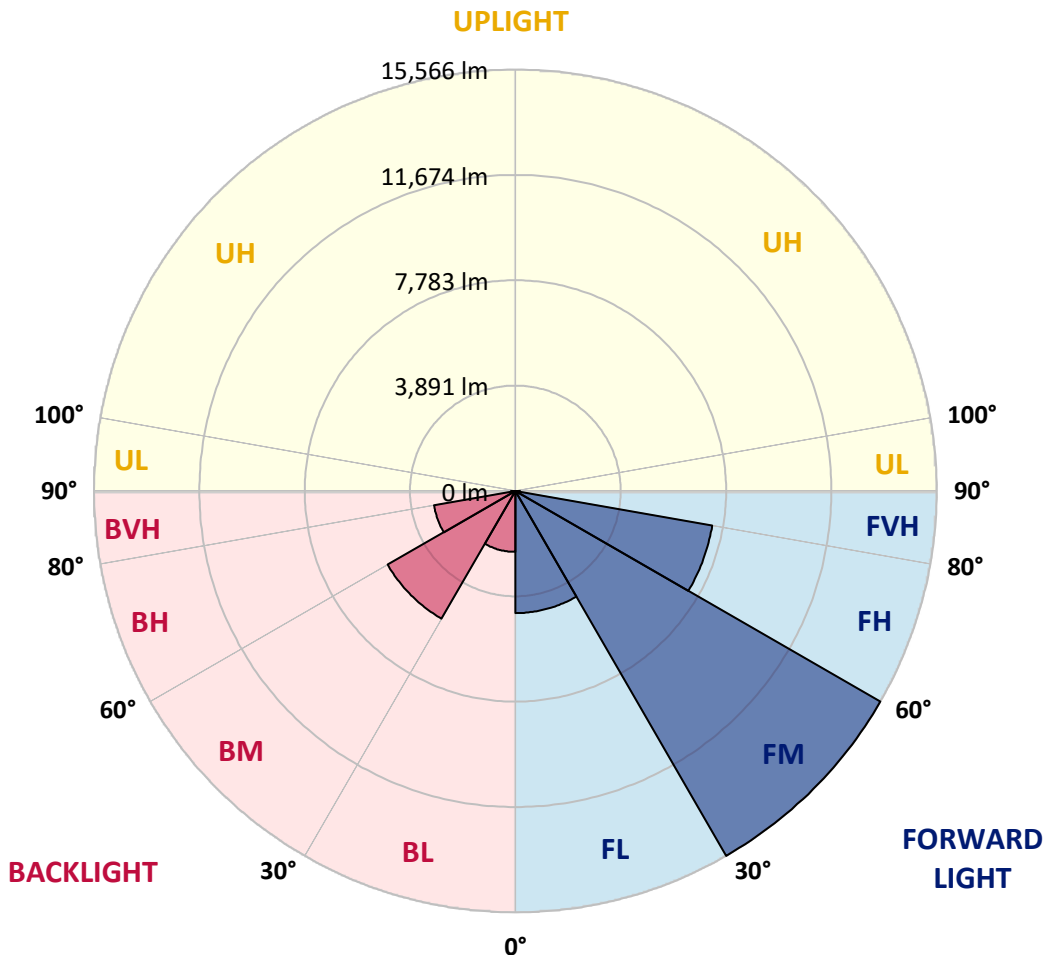
CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4509.4	11.8			
FM (30°-60°)	15565.7	40.6			
FH (60°-80°)	7382.0	19.2			G3/7500
FVH (80°-90°)	164.2	0.4			G2/225
BL (0°-30°)	2250.8	5.9	B3/2500		
BM (30°-60°)	5446.8	14.2	B4/8500		
BH (60°-80°)	3052.9	8.0	B4/5000		G4/5000
BVH (80°-90°)	159.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	-155.1	-0.4			

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4
1°	6506.1	6504.2	6489.0	6465.9	6434.0	6394.4	6333.2	6292.3	6253.8	6223.7	6201.3
2°	6691.7	6681.1	6644.6	6590.3	6519.6	6439.2	6333.7	6252.1	6178.8	6119.2	6075.2
3°	6892.5	6874.2	6814.6	6727.6	6613.5	6488.1	6340.0	6219.2	6112.7	6025.5	5961.3
4°	7118.7	7088.1	7004.2	6878.9	6719.8	6549.5	6354.4	6194.3	6051.9	5936.9	5856.7
5°	7365.9	7328.0	7211.7	7042.1	6839.4	6618.5	6376.9	6177.2	5998.8	5860.7	5759.6
6°	7637.0	7586.2	7441.2	7226.0	6966.9	6692.4	6400.5	6163.1	5952.6	5788.5	5665.2
7°	7927.9	7868.0	7688.5	7420.4	7103.5	6770.2	6428.5	6151.0	5910.1	5717.1	5578.4
8°	8241.4	8167.4	7953.4	7634.5	7249.9	6853.9	6460.2	6142.6	5870.4	5651.9	5499.9
9°	8578.9	8488.5	8239.8	7859.8	7407.6	6945.0	6497.3	6134.9	5830.5	5593.9	5425.2
10°	8937.8	8833.4	8539.1	8102.3	7572.8	7041.6	6535.1	6131.2	5790.6	5540.5	5354.8
11°	9324.4	9205.1	8868.1	8358.5	7749.3	7147.5	6578.1	6131.2	5755.5	5489.3	5289.3
12°	9738.4	9597.0	9213.6	8626.7	7934.4	7257.4	6609.0	6119.0	5726.0	5437.6	5230.9
13°	10182.9	10017.0	9571.4	8912.9	8135.2	7351.0	6638.8	6103.2	5683.2	5389.6	5175.2
14°	10641.7	10462.0	9950.6	9212.7	8343.4	7450.9	6680.7	6094.6	5643.5	5347.3	5094.0
15°	11120.7	10912.8	10344.5	9523.5	8537.7	7560.1	6726.4	6092.0	5605.5	5292.5	4984.4
16°	11609.6	11377.7	10746.2	9842.1	8744.5	7676.2	6787.4	6104.8	5575.0	5242.1	4933.4
17°	12100.6	11840.6	11156.8	10165.8	8954.8	7804.3	6840.5	6107.8	5554.6	5169.0	4894.4
18°	12576.5	12301.4	11559.4	10490.1	9163.0	7939.9	6900.8	6118.7	5528.5	5086.1	4858.9
19°	13045.4	12751.2	11960.0	10799.4	9387.1	8068.4	6971.4	6146.1	5513.7	5042.5	4829.1
20°	13495.2	13181.9	12347.6	11094.6	9605.6	8207.4	7049.2	6175.3	5509.2	5007.8	4797.2
21°	13920.9	13598.6	12717.1	11398.8	9836.8	8351.7	7128.5	6198.7	5508.8	4978.9	4760.2
22°	14311.5	13990.2	13071.5	11677.9	10050.4	8508.7	7194.3	6196.9	5494.2	4961.4	4719.1
23°	14691.0	14370.7	13420.9	11949.0	10275.3	8668.7	7232.2	6203.7	5463.9	4949.9	4683.4
24°	15042.4	14732.2	13756.3	12214.1	10495.2	8813.6	7282.5	6231.8	5429.4	4926.3	4505.7
25°	15379.8	15070.5	14080.6	12484.1	10708.0	8946.3	7355.0	6245.2	5406.6	4905.6	4371.0
26°	15665.9	15376.8	14397.8	12737.2	10927.9	9061.2	7430.3	6254.1	5382.5	4887.1	4341.3
27°	15916.9	15645.8	14699.0	12985.2	11146.8	9191.3	7478.4	6281.2	5385.8	4863.2	4320.8
28°	16146.9	15886.8	14978.2	13224.1	11363.6	9343.0	7548.6	6310.8	5391.0	4825.0	4299.1
29°	16390.8	16125.8	15225.2	13454.0	11561.4	9510.4	7633.1	6337.7	5386.7	4664.1	4269.2
30°	16679.0	16402.9	15479.2	13691.0	11749.2	9655.9	7726.3	6340.4	5362.6	4558.3	4239.3
31°	16914.9	16651.9	15745.2	13948.0	11905.8	9797.7	7814.8	6349.3	5359.6	4518.2	4219.9
32°	17090.6	16847.7	15992.2	14215.1	12081.5	9940.2	7883.9	6377.6	5363.1	4492.2	4196.5
33°	17150.9	16950.1	16201.1	14469.1	12292.4	10099.6	7946.8	6408.6	5346.5	4481.1	3973.5
34°	17093.7	16925.0	16315.5	14698.0	12506.2	10275.3	8028.1	6424.9	5341.2	4477.1	3927.6
35°	16935.0	16795.5	16299.5	14861.7	12708.0	10453.0	8125.2	6451.1	5345.7	4473.1	3908.8
36°	16731.2	16616.7	16189.0	14959.1	12889.8	10621.7	8221.8	6497.3	5340.4	4456.6	3898.9
37°	16549.5	16419.9	16037.4	14961.1	13000.2	10751.2	8290.7	6522.6	5335.0	4439.1	3904.5
38°	16449.1	16289.4	15886.8	14901.9	13061.5	10863.6	8359.0	6544.1	5314.4	4399.4	3907.7
39°	16390.8	16221.2	15782.4	14830.6	13069.5	10955.0	8458.9	6567.5	5174.5	4247.6	3899.4
40°	16347.7	16175.0	15724.2	14777.4	13040.4	11009.2	8548.6	6586.5	5100.3	4256.6	3854.8
41°	16297.5	16137.8	15687.0	14746.2	13033.3	11040.3	8611.7	6618.6	5123.7	4285.1	3701.6
42°	16233.2	16097.7	15652.9	14721.1	13053.4	11068.5	8650.1	6628.0	5155.1	4294.5	3707.6
43°	16151.9	16048.5	15616.7	14711.1	13080.5	11103.6	8671.2	6650.9	5160.8	4292.7	3700.8
44°	16052.5	15988.2	15574.6	14713.1	13115.7	11133.7	8681.0	6660.4	5144.4	4309.3	3664.7

REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	15933.0	15911.9	15520.3	14711.1	13156.8	11177.9	8701.6	6698.6	5163.7	4323.7	3639.7
46°	15801.5	15817.5	15457.1	14694.0	13189.0	11237.1	8729.7	6696.9	5190.1	4281.7	3519.5
47°	15662.9	15719.1	15383.8	14669.9	13215.1	11301.4	8740.4	6624.4	5186.9	4104.4	3379.7
48°	15519.3	15611.7	15301.5	14649.8	13242.2	11357.6	8786.0	6622.2	5204.0	4083.7	3378.6
49°	15376.8	15496.2	15205.1	14617.7	13273.3	11400.8	8837.6	6651.8	5124.2	4093.9	3366.7
50°	15225.2	15375.8	15100.7	14563.5	13287.4	11437.9	8884.6	6683.5	5022.1	4089.7	3351.3
51°	15053.5	15236.2	14983.2	14499.2	13305.4	11471.1	8924.4	6686.3	5025.7	4067.9	3166.7
52°	14858.7	15075.5	14852.7	14426.9	13327.5	11488.1	8938.7	6703.0	5002.9	3975.1	3125.8
53°	14642.8	14892.8	14712.1	14350.6	13334.6	11493.2	8882.6	6732.8	5034.5	3856.5	3138.6
54°	14395.8	14670.9	14558.5	14262.3	13319.5	11502.2	8820.4	6701.5	5049.9	3863.4	3146.7
55°	14114.7	14412.9	14394.8	14155.9	13282.3	11493.2	8798.9	6695.3	5049.7	3858.6	3032.4
56°	13788.4	14112.7	14206.1	14034.4	13232.1	11466.1	8786.5	6680.2	5026.7	3832.4	2945.9
57°	13420.9	13771.3	13987.2	13901.8	13173.9	11439.9	8767.9	6666.6	4958.2	3654.3	2947.7
58°	13007.2	13385.8	13731.2	13758.3	13099.6	11424.9	8710.8	6603.9	4923.8	3686.9	2880.1
59°	12555.4	12961.1	13455.0	13593.6	13018.3	11398.8	8662.6	6540.0	4925.7	3733.9	2739.7
60°	12035.3	12493.2	13134.8	13405.8	12915.9	11357.6	8604.4	6516.9	4923.0	3772.4	2746.3
61°	11382.7	11946.0	12781.3	13181.9	12785.4	11288.3	8535.3	6457.5	4902.2	3646.4	2610.0
62°	10607.6	11301.4	12376.7	12921.9	12637.8	11194.0	8421.9	6399.2	4844.3	3633.4	2582.3
63°	9727.7	10566.4	11921.9	12621.7	12465.1	11046.4	8294.6	6320.9	4851.0	3647.6	2525.8
64°	8830.0	9782.2	11402.8	12292.4	12262.3	10849.6	8138.5	6219.5	4820.2	3576.6	2420.3
65°	8013.0	9006.9	10835.5	11927.9	12036.3	10615.6	7988.0	6155.3	4710.4	3584.5	2333.2
66°	7304.8	8251.3	10229.1	11507.2	11773.3	10405.8	7792.9	6048.4	4699.0	3522.9	2293.9
67°	6748.0	7564.6	9612.8	11048.4	11474.1	10168.8	7567.6	5917.8	4739.7	3514.6	2166.5
68°	6300.5	6967.3	8994.9	10530.3	11127.7	9882.8	7235.6	5755.2	4780.4	3521.4	2073.7
69°	5855.2	6453.4	8367.8	9970.3	10714.0	9539.6	6906.3	5557.4	4736.5	3507.8	1981.0
70°	5161.7	5923.9	7748.8	9389.5	10245.1	9100.8	6399.1	5272.9	4628.2	3522.5	1889.2
71°	4060.9	5235.2	7145.3	8798.1	9735.4	8533.6	5729.3	4883.0	4543.9	3515.0	1856.8
72°	2760.4	4282.2	6537.3	8209.2	9185.0	7902.0	5073.0	4471.5	4451.6	3593.2	1844.0
73°	1613.5	3126.5	5877.9	7610.5	8586.7	7137.1	4458.7	4108.2	4267.2	3560.1	1787.4
74°	911.1	2000.4	5155.4	7000.3	7910.9	6306.1	3892.2	3806.6	4076.3	3550.6	1795.0
75°	760.0	1175.9	4349.9	6331.9	7166.4	5406.3	3217.0	3492.2	3904.1	3520.6	1758.3
76°	628.1	953.7	3452.9	5562.7	6311.3	4449.2	2262.4	3041.6	3759.3	3435.6	1670.2
77°	496.2	735.4	2603.9	4604.6	5349.5	3300.5	1310.4	2275.6	3625.2	3259.3	1537.2
78°	443.3	517.1	1951.4	3426.9	4267.7	2103.1	605.8	1509.8	3514.4	2973.4	1361.3
79°	407.7	456.1	1427.2	2183.1	3181.6	1101.5	302.3	747.0	3186.6	2486.4	1179.8
80°	375.7	409.5	1028.3	1182.0	2132.0	831.0	260.2	556.3	2363.0	1999.2	1036.9
81°	345.5	368.2	822.8	920.5	1205.9	562.5	218.1	365.6	1539.5	1515.2	1059.3
82°	316.8	332.7	619.8	683.9	894.5	294.0	176.1	177.6	721.8	1241.1	995.1
83°	287.6	301.9	416.8	447.2	591.1	243.4	150.5	141.0	542.2	1058.9	796.7
84°	257.3	269.7	352.1	392.6	287.8	207.6	125.6	110.6	362.7	837.8	548.2
85°	227.2	237.2	280.6	342.3	226.5	171.6	101.4	85.8	183.9	596.5	362.2
86°	195.8	205.6	220.3	291.7	181.2	134.6	77.9	64.9	154.3	478.1	257.3
87°	163.4	175.5	181.8	234.9	142.4	101.3	55.6	47.7	120.8	359.6	152.5
88°	134.0	145.3	145.7	168.1	108.6	76.1	39.2	34.0	78.9	241.2	92.9
89°	110.5	115.1	110.2	99.0	83.4	51.2	22.9	20.4	54.5	122.8	63.5



REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4	6342.4
1°	6189.4	6187.3	6197.8	6218.9	6246.7	6283.7	6322.9	6346.6	6384.6	6421.9	6455.1
2°	6051.2	6045.2	6061.6	6098.0	6149.8	6217.5	6293.4	6360.2	6438.8	6517.8	6587.5
3°	5924.3	5914.9	5935.0	5983.9	6058.4	6155.8	6269.0	6377.0	6498.4	6619.8	6731.2
4°	5808.1	5795.1	5820.8	5879.5	5974.3	6099.7	6247.5	6400.5	6565.8	6732.0	6885.9
5°	5698.4	5682.1	5711.6	5783.1	5896.5	6048.3	6230.4	6425.4	6634.6	6853.8	7056.5
6°	5593.7	5574.8	5606.6	5687.3	5821.6	5999.5	6217.1	6454.9	6709.3	6980.8	7239.1
7°	5495.6	5474.6	5509.2	5600.0	5746.5	5954.3	6205.7	6487.2	6790.6	7119.2	7432.8
8°	5405.9	5379.5	5418.3	5521.6	5680.2	5909.6	6196.0	6520.3	6876.5	7265.4	7639.6
9°	5317.8	5286.0	5329.4	5444.2	5621.2	5865.1	6186.5	6557.1	6966.4	7420.2	7863.1
10°	5234.5	5200.3	5246.7	5369.0	5564.3	5822.8	6181.9	6597.3	7062.4	7583.2	8099.7
11°	5161.1	5123.3	5168.8	5300.4	5509.0	5787.0	6180.8	6645.9	7165.5	7757.7	8353.0
12°	5095.5	5040.4	5097.5	5236.9	5457.0	5758.8	6165.8	6677.0	7275.1	7941.1	8619.4
13°	4973.0	4889.6	4976.0	5176.6	5405.4	5714.4	6157.5	6716.3	7368.5	8139.7	8904.2
14°	4876.2	4826.0	4877.1	5096.2	5360.5	5676.6	6149.1	6751.9	7469.3	8340.4	9199.8
15°	4825.4	4771.0	4822.7	4978.5	5305.4	5642.3	6149.5	6801.1	7574.0	8533.2	9515.2
16°	4777.2	4720.2	4773.1	4929.5	5258.0	5617.5	6154.5	6862.5	7690.7	8738.2	9837.0
17°	4735.0	4672.8	4730.9	4889.6	5197.1	5591.5	6164.6	6917.6	7826.7	8949.3	10171.9
18°	4689.4	4619.6	4684.4	4854.8	5116.6	5572.6	6181.8	6980.7	7948.0	9172.6	10493.1
19°	4643.7	4569.2	4640.0	4827.6	5064.4	5567.7	6211.2	7060.0	8085.5	9397.8	10807.4
20°	4597.6	4513.5	4598.0	4796.1	5032.4	5570.3	6242.1	7142.9	8223.7	9635.3	11121.7
21°	4545.5	4322.5	4551.3	4758.2	5011.6	5570.5	6263.4	7217.2	8379.9	9866.7	11419.9
22°	4311.2	4182.2	4330.6	4722.5	4999.2	5558.6	6269.7	7283.0	8540.5	10099.6	11705.0
23°	4220.1	4143.2	4239.2	4694.6	4987.8	5538.5	6290.4	7331.0	8696.4	10333.5	11989.2
24°	4186.7	4116.1	4209.8	4518.0	4966.5	5519.3	6327.9	7393.0	8841.3	10563.4	12269.3
25°	4165.4	4093.6	4189.4	4399.5	4946.2	5502.8	6343.7	7477.6	8969.7	10795.4	12529.3
26°	4145.4	4069.9	4171.9	4381.0	4934.0	5476.3	6365.9	7550.7	9102.7	11024.3	12794.4
27°	4123.8	4052.6	4153.1	4365.2	4906.8	5487.7	6401.8	7614.5	9250.6	11252.2	13050.4
28°	4107.8	4031.6	4138.6	4342.2	4874.0	5496.1	6437.7	7695.6	9420.6	11465.0	13309.5
29°	4089.0	3854.5	4121.7	4314.7	4718.8	5481.3	6460.5	7792.0	9591.9	11672.9	13560.5
30°	3886.1	3781.8	3915.6	4291.3	4616.3	5460.9	6466.5	7890.8	9738.0	11865.7	13815.5
31°	3827.7	3774.0	3859.2	4270.9	4575.8	5460.6	6492.3	7981.4	9907.8	12057.4	14087.6
32°	3817.2	3774.3	3849.1	4246.6	4557.6	5465.3	6531.4	8055.4	10091.5	12264.3	14336.6
33°	3810.7	3772.7	3843.6	4023.6	4552.3	5446.5	6573.9	8149.5	10291.3	12472.1	14579.6
34°	3803.2	3764.8	3835.1	3978.5	4549.5	5444.8	6592.0	8260.8	10470.1	12681.9	14783.4
35°	3789.9	3757.3	3821.9	3959.4	4545.3	5445.1	6631.6	8370.5	10627.7	12878.7	14918.9
36°	3775.2	3614.5	3805.2	3952.3	4526.2	5438.8	6678.7	8475.9	10765.2	13011.3	14967.1
37°	3626.2	3512.6	3637.0	3958.5	4510.7	5429.9	6709.2	8547.8	10878.7	13083.5	14950.0
38°	3506.0	3514.9	3536.2	3959.1	4463.8	5411.5	6735.3	8624.8	10966.0	13101.6	14880.8
39°	3497.7	3525.0	3527.0	3958.1	4317.3	5277.3	6742.1	8707.0	11026.3	13085.6	14801.4
40°	3495.7	3529.4	3520.3	3903.2	4341.6	5208.6	6750.0	8760.9	11062.4	13076.5	14746.2
41°	3477.5	3513.1	3499.0	3765.0	4372.1	5229.7	6757.4	8799.4	11080.5	13085.6	14714.1
42°	3439.3	3319.0	3460.8	3770.4	4369.9	5256.8	6767.0	8834.1	11112.6	13104.6	14708.1
43°	3248.0	3252.8	3273.4	3755.4	4374.5	5239.9	6788.1	8863.0	11146.8	13131.7	14721.1
44°	3172.4	3247.7	3206.1	3719.8	4388.3	5229.7	6808.9	8883.4	11194.0	13162.9	14727.2



REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3166.1	3236.8	3200.8	3695.9	4402.4	5249.9	6845.4	8917.2	11249.2	13193.0	14723.1
46°	3155.1	3216.5	3186.6	3549.0	4338.2	5283.8	6819.4	8939.8	11306.4	13232.1	14719.1
47°	3126.0	2938.2	3162.8	3449.2	4177.8	5288.9	6753.6	8960.3	11354.6	13276.3	14706.1
48°	2884.3	2911.7	2924.0	3448.8	4165.3	5307.8	6765.1	9007.5	11395.8	13311.5	14681.0
49°	2870.3	2890.4	2919.0	3430.4	4176.6	5205.3	6797.7	9049.4	11438.9	13338.6	14635.8
50°	2868.0	2869.5	2919.7	3421.1	4166.1	5139.0	6823.8	9085.0	11477.1	13365.7	14577.5
51°	2864.9	2641.5	2920.2	3226.9	4148.6	5144.7	6827.5	9112.9	11497.2	13379.7	14517.3
52°	2690.6	2560.5	2734.4	3200.7	4009.2	5133.8	6843.4	9110.4	11504.2	13381.7	14453.0
53°	2636.3	2544.0	2688.0	3216.3	3945.5	5168.4	6863.0	9034.8	11512.2	13367.7	14374.7
54°	2620.6	2510.8	2671.5	3230.6	3955.4	5172.1	6837.1	8965.8	11500.2	13332.5	14284.4
55°	2586.4	2244.0	2624.0	3087.7	3954.8	5173.3	6831.0	8940.4	11469.1	13284.4	14189.0
56°	2369.3	2242.5	2420.5	3031.2	3927.5	5166.0	6807.5	8923.1	11432.9	13233.2	14075.5
57°	2373.6	2112.0	2428.0	3032.4	3770.9	5076.8	6790.9	8897.6	11406.8	13166.9	13937.0
58°	2225.2	1983.2	2266.0	2934.0	3813.4	5064.3	6697.8	8833.8	11373.7	13085.6	13770.3
59°	2138.5	1988.5	2195.7	2838.5	3865.5	5064.8	6660.3	8772.6	11329.5	12990.2	13578.5
60°	2064.3	1700.3	2124.2	2855.6	3900.0	5057.6	6605.6	8693.8	11261.2	12871.7	13367.7
61°	1990.0	1704.0	2052.7	2706.1	3778.9	5021.0	6537.2	8628.3	11173.9	12738.2	13138.8
62°	1910.7	1444.5	1977.8	2693.8	3773.4	4960.9	6460.3	8518.6	11029.3	12575.5	12883.7
63°	1662.2	1434.4	1726.7	2618.2	3764.1	4956.7	6370.1	8386.6	10842.5	12384.7	12591.6
64°	1646.1	1120.7	1692.6	2537.7	3717.8	4908.4	6272.0	8221.3	10614.6	12166.9	12255.2
65°	1396.3	992.9	1451.1	2436.8	3732.5	4786.5	6173.7	8056.6	10400.8	11918.9	11870.7
66°	1213.4	803.6	1250.4	2420.3	3671.3	4804.6	6053.1	7816.7	10160.8	11638.7	11449.0
67°	1104.0	535.2	1092.6	2293.3	3661.5	4834.7	5898.1	7556.6	9881.6	11324.5	10981.1
68°	873.3	266.7	901.3	2189.9	3651.4	4852.0	5703.7	7168.9	9561.8	10960.0	10491.1
69°	580.7	0.6	606.5	2086.6	3638.2	4750.5	5476.1	6744.7	9163.2	10548.4	9962.0
70°	562.5	0.5	583.5	1985.5	3655.7	4617.2	5126.9	6126.2	8679.6	10078.5	9386.8
71°	561.4	0.5	563.1	1956.7	3638.4	4492.4	4677.8	5407.7	8051.6	9563.1	8767.8
72°	534.2	0.5	521.1	1932.3	3708.6	4364.3	4257.3	4747.6	7375.8	9005.6	8159.5
73°	480.2	0.5	445.4	1857.1	3649.1	4160.2	3937.5	4152.8	6556.3	8367.4	7536.7
74°	413.5	0.5	353.2	1828.6	3565.0	3972.9	3654.7	3524.2	5682.9	7633.3	6903.0
75°	331.7	0.5	291.9	1753.7	3479.0	3829.5	3222.3	2676.1	4772.6	6803.2	6204.3
76°	249.4	0.5	269.9	1640.8	3294.5	3693.9	2442.0	1655.8	3765.7	5899.6	5432.0
77°	189.6	0.6	300.4	1493.1	3023.9	3552.1	1661.6	798.2	2599.1	4901.5	4449.0
78°	204.9	0.6	343.3	1319.3	2678.0	3250.9	889.7	524.0	1474.4	3824.5	3190.0
79°	283.1	0.7	276.8	1176.1	2262.5	2455.4	372.1	264.8	1083.8	2776.2	1934.5
80°	297.1	0.8	210.3	1099.8	1847.0	1660.0	278.2	224.4	701.4	1795.1	986.5
81°	238.2	1.0	143.8	1028.9	1437.1	864.8	186.0	195.4	319.1	980.5	791.4
82°	179.3	1.1	76.4	877.6	1200.5	638.7	149.3	168.7	265.1	730.1	617.0
83°	120.6	1.3	40.2	566.8	929.7	412.7	121.2	143.4	228.2	498.4	442.7
84°	70.2	1.4	32.0	408.7	609.4	188.0	98.3	118.6	194.1	266.8	388.8
85°	42.5	1.6	23.8	250.7	435.5	155.7	77.7	94.6	159.5	209.9	338.4
86°	32.8	1.9	15.7	96.7	261.6	124.8	59.2	71.0	124.4	166.9	286.5
87°	23.0	2.1	13.3	56.6	89.2	92.3	43.1	47.4	93.4	130.2	227.7
88°	13.3	2.4	10.9	39.2	61.2	63.5	30.5	27.8	67.6	98.3	155.2
89°	8.3	2.7	7.5	21.9	33.2	34.6	17.8	12.2	42.0	76.6	87.5



REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6342.4	6342.4	6342.4
1°	6482.3	6498.0	6506.1
2°	6643.7	6678.9	6691.7
3°	6818.5	6874.8	6892.5
4°	7011.0	7092.9	7118.7
5°	7222.1	7330.7	7365.9
6°	7449.4	7592.1	7637.0
7°	7697.5	7870.2	7927.9
8°	7956.7	8169.3	8241.4
9°	8241.1	8490.7	8578.9
10°	8539.5	8835.8	8937.8
11°	8860.8	9205.6	9324.4
12°	9200.8	9594.9	9738.4
13°	9562.5	10015.0	10182.9
14°	9939.3	10455.0	10641.7
15°	10335.5	10908.8	11120.7
16°	10742.1	11376.7	11609.6
17°	11166.9	11852.6	12100.6
18°	11579.5	12323.5	12576.5
19°	11983.1	12772.3	13045.4
20°	12376.7	13205.0	13495.2
21°	12757.2	13617.7	13920.9
22°	13112.7	14000.2	14311.5
23°	13457.0	14378.8	14691.0
24°	13788.4	14746.2	15042.4
25°	14117.7	15090.6	15379.8
26°	14444.0	15410.9	15665.9
27°	14751.2	15684.0	15916.9
28°	15022.3	15920.9	16146.9
29°	15273.3	16161.9	16390.8
30°	15528.4	16433.0	16679.0
31°	15794.4	16682.0	16914.9
32°	16030.4	16861.7	17090.6
33°	16189.0	16946.1	17150.9
34°	16260.3	16925.0	17093.7
35°	16232.2	16795.5	16935.0
36°	16141.8	16608.7	16731.2
37°	15996.2	16415.9	16549.5
38°	15859.7	16291.4	16449.1
39°	15770.3	16221.2	16390.8
40°	15714.1	16182.0	16347.7
41°	15678.0	16148.9	16297.5
42°	15638.8	16110.7	16233.2
43°	15599.7	16067.5	16151.9
44°	15560.5	16010.3	16052.5



REPORT NUMBER: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	15513.3	15932.0	15933.0
46°	15460.1	15834.6	15801.5
47°	15400.9	15728.2	15662.9
48°	15328.6	15612.7	15519.3
49°	15235.2	15496.2	15376.8
50°	15122.7	15375.8	15225.2
51°	15000.2	15242.2	15053.5
52°	14862.7	15087.6	14858.7
53°	14720.1	14899.8	14642.8
54°	14571.5	14678.0	14395.8
55°	14413.9	14415.9	14114.7
56°	14229.2	14117.7	13788.4
57°	14012.3	13785.4	13420.9
58°	13750.2	13391.8	13007.2
59°	13461.1	12965.1	12555.4
60°	13136.8	12502.2	12035.3
61°	12767.3	11977.1	11382.7
62°	12358.6	11341.6	10607.6
63°	11906.8	10607.6	9727.7
64°	11417.9	9807.9	8830.0
65°	10865.6	9016.5	8013.0
66°	10269.2	8279.6	7304.8
67°	9653.2	7618.1	6748.0
68°	9017.7	7017.5	6300.5
69°	8415.7	6481.6	5855.2
70°	7841.5	5952.3	5161.7
71°	7245.9	5298.9	4060.9
72°	6596.2	4387.3	2760.4
73°	5945.0	3237.8	1613.5
74°	5259.2	2146.0	911.1
75°	4391.2	1305.8	760.0
76°	3457.9	1048.3	628.1
77°	2644.5	792.9	496.2
78°	1998.1	537.5	443.3
79°	1475.8	465.2	407.7
80°	996.3	415.5	375.7
81°	802.2	373.0	345.5
82°	610.4	337.4	316.8
83°	418.6	308.9	287.6
84°	350.6	275.3	257.3
85°	277.4	239.6	227.2
86°	221.6	206.8	195.8
87°	181.1	175.5	163.4
88°	143.5	145.0	134.0
89°	106.7	114.6	110.5



REPORT NUMBER: P1436833
CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436833
CATALOG NUMBER: XAS300-SFPM (5000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)