

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: P1436811

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436811
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 (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

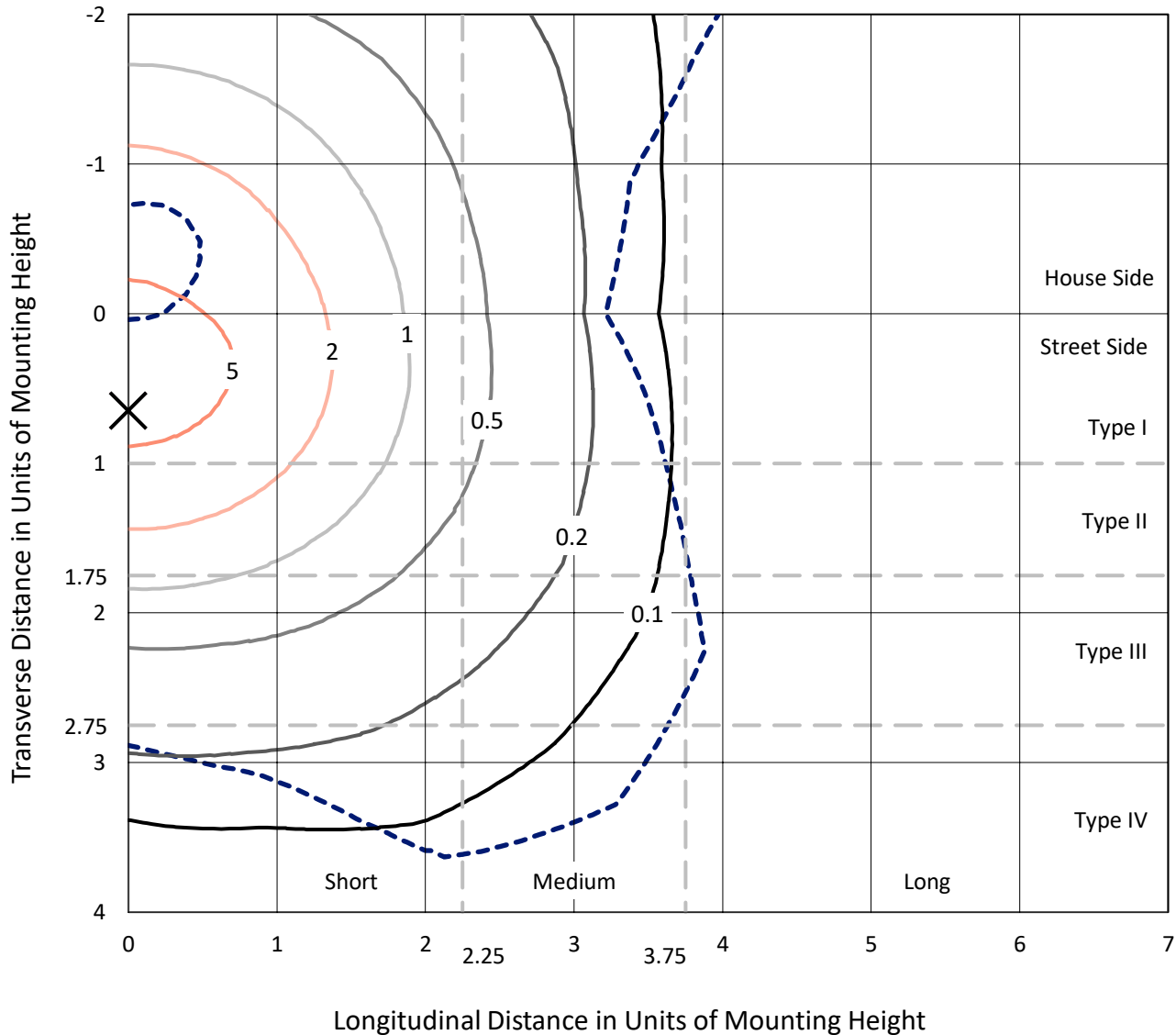
Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 38305.9 lumens
Efficiency: 82.3%
Efficacy: 160.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

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

Iso-Footcandle Lines of Horizontal Illumination

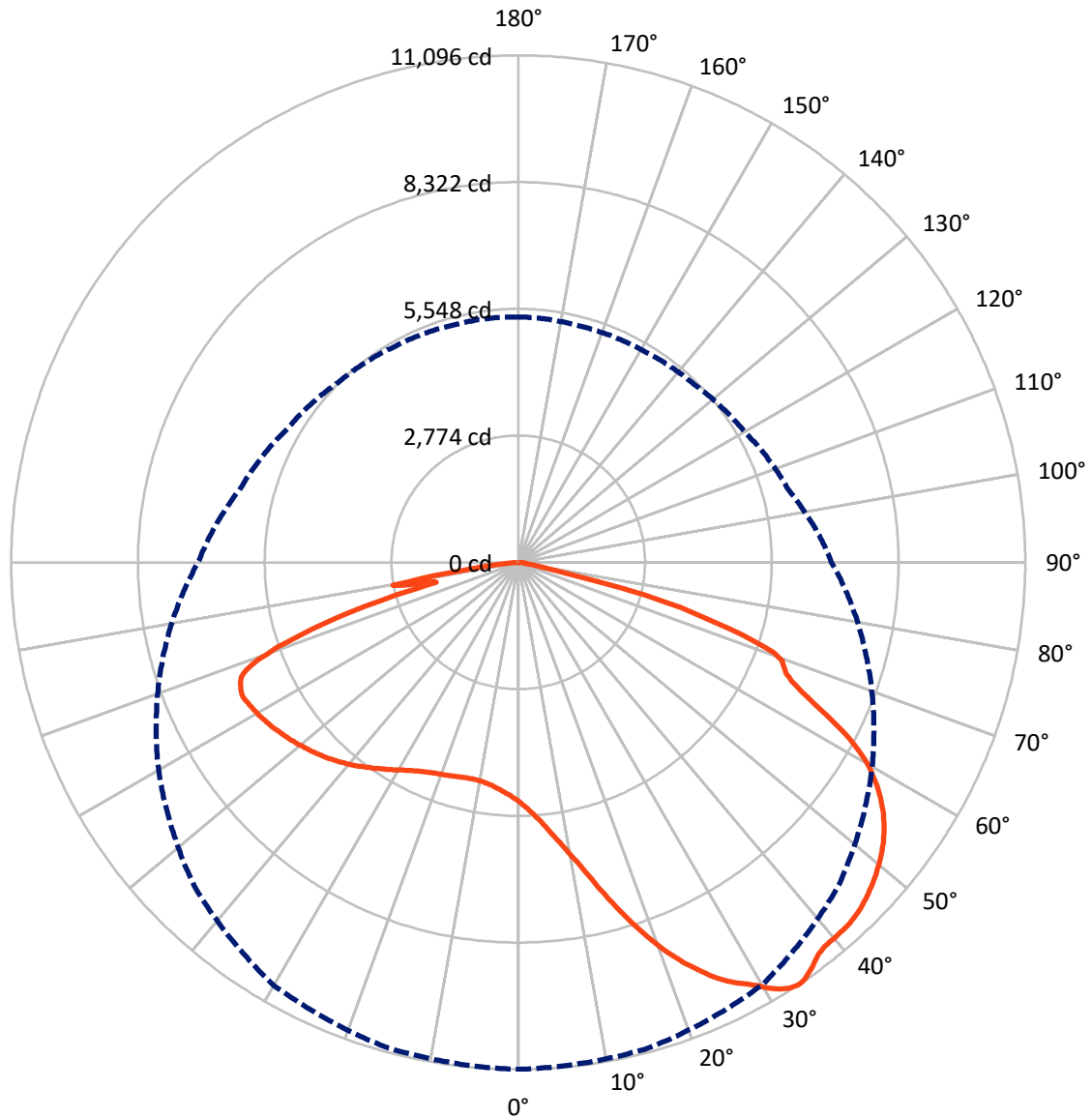
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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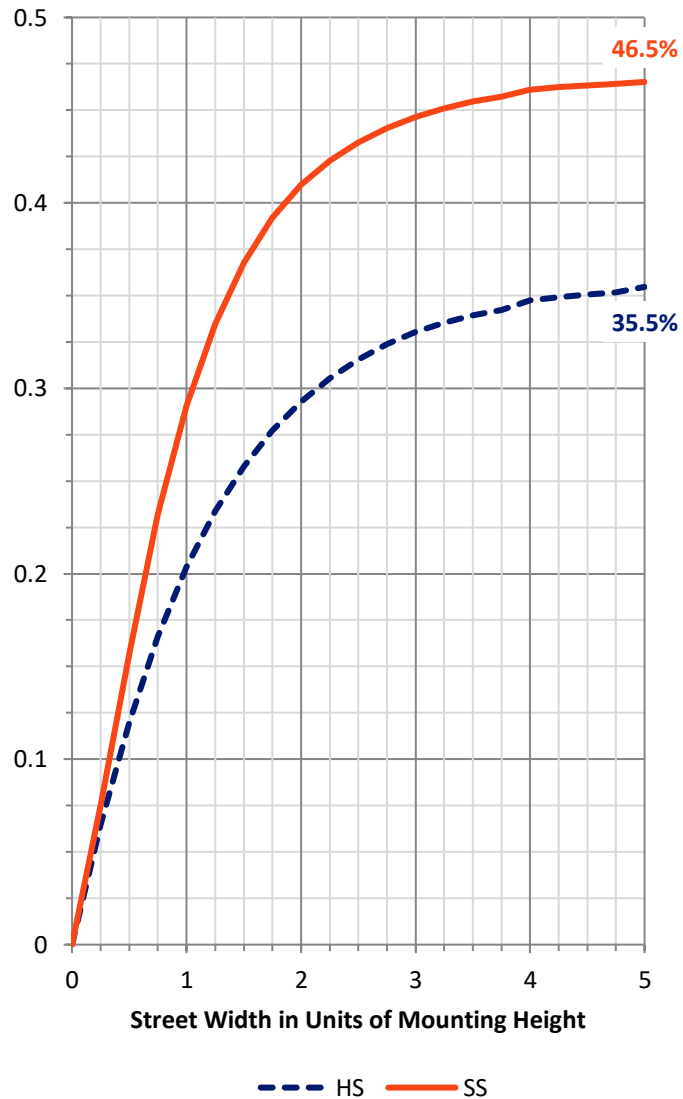
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16669.5	0.0	16669.5
	% Lamp	35.8	0.0	35.8
Street Side	Lumens	21636.3	0.0	21636.3
	% Lamp	46.5	0.0	46.5
Total	Lumens	38305.9	0.0	38305.9
	% Lamp	82.3	0.0	82.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	517.4	1.4	1.1
10°-20°	1711.9	4.5	3.7
20°-30°	3232.6	8.4	6.9
30°-40°	4871.5	12.7	10.5
40°-50°	6297.0	16.4	13.5
50°-60°	7541.9	19.7	16.2
60°-70°	8011.5	20.9	17.2
70°-80°	5489.8	14.3	11.8
80°-90°	632.4	1.7	1.4
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	82.3
0°-180°	38305.9	100.0	82.3

Coefficient of Utilization



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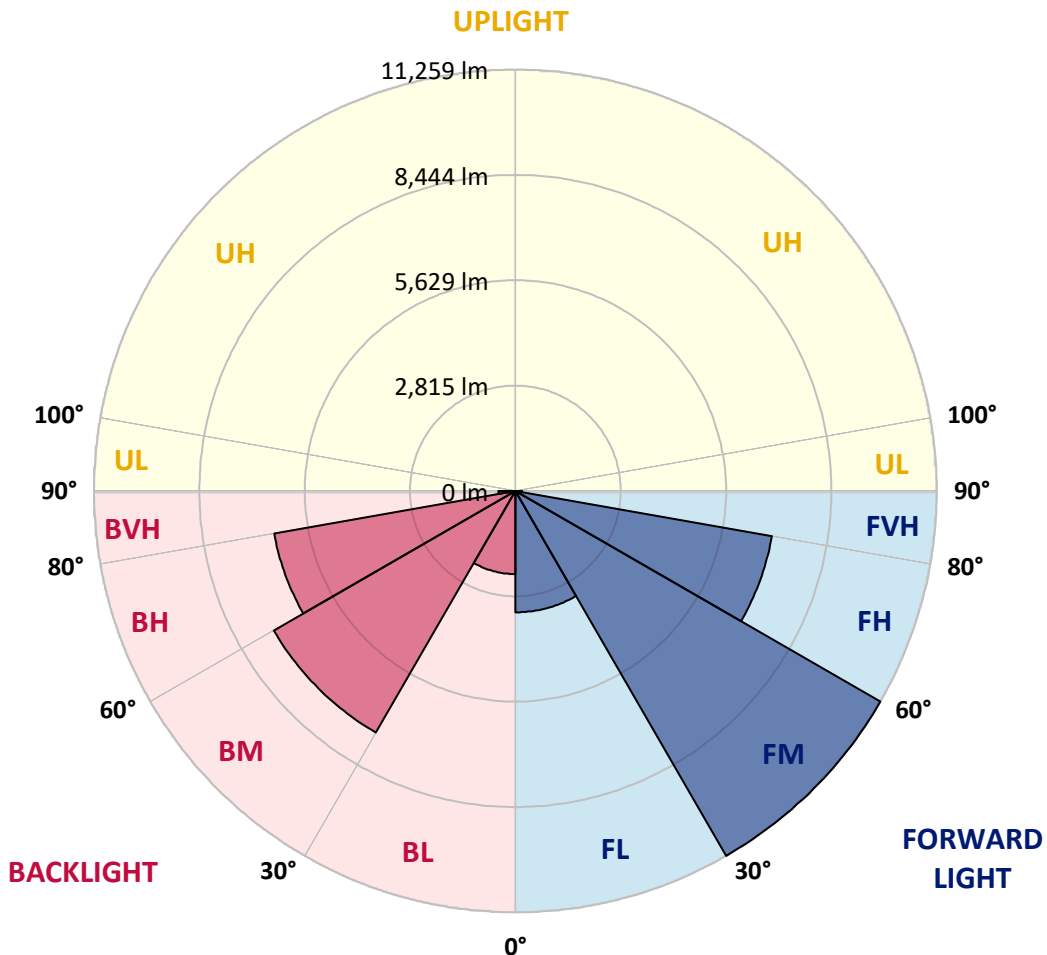
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3241.8	7.0			
FM (30°-60°)	11259.0	24.2			
FH (60°-80°)	6960.2	14.9			G3/7500
FVH (80°-90°)	175.3	0.4			G2/225
BL (0°-30°)	2220.0	4.8	B3/2500		
BM (30°-60°)	7451.3	16.0	B4/8500		
BH (60°-80°)	6541.1	14.0	B5		G5
BVH (80°-90°)	457.0	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	8255.1	17.7			

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°	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4
1°	5336.7	5334.9	5329.4	5321.4	5306.8	5288.4	5251.6	5232.6	5216.2	5202.5	5193.5
2°	5425.2	5419.5	5404.9	5381.6	5348.0	5310.6	5254.1	5216.8	5183.1	5156.7	5138.9
3°	5525.4	5515.3	5489.7	5447.3	5395.1	5336.9	5261.0	5205.0	5155.9	5118.4	5092.7
4°	5637.6	5622.4	5583.8	5523.9	5448.9	5368.8	5271.1	5196.9	5134.4	5086.0	5053.3
5°	5761.3	5740.4	5685.9	5607.1	5511.0	5406.6	5286.9	5194.7	5117.3	5060.0	5020.4
6°	5898.5	5872.3	5805.0	5700.0	5577.9	5446.6	5305.2	5195.3	5103.7	5037.4	4989.6
7°	6046.5	6015.6	5930.0	5802.1	5649.3	5490.1	5324.7	5197.5	5094.6	5017.4	4962.5
8°	6204.3	6168.1	6066.0	5912.5	5726.4	5537.8	5348.1	5203.7	5088.7	5000.6	4940.6
9°	6378.8	6338.2	6215.5	6031.0	5811.0	5590.2	5375.1	5211.5	5083.4	4987.4	4922.6
10°	6567.5	6514.1	6371.8	6158.5	5902.2	5646.1	5405.9	5221.5	5079.3	4979.6	4909.8
11°	6771.8	6711.2	6543.9	6293.4	5998.4	5706.8	5438.2	5234.5	5078.1	4973.5	4901.7
12°	6991.3	6917.4	6724.1	6438.9	6101.4	5772.6	5474.2	5251.9	5081.2	4971.1	4898.0
13°	7228.3	7141.6	6919.9	6591.7	6209.6	5841.9	5516.7	5271.9	5088.2	4971.3	4898.9
14°	7478.2	7381.3	7122.9	6755.1	6327.7	5917.7	5564.2	5295.3	5097.3	4975.3	4903.8
15°	7738.3	7628.2	7334.4	6926.6	6449.6	5996.3	5613.1	5321.6	5109.2	4982.4	4911.5
16°	8005.9	7878.1	7553.5	7102.8	6579.7	6080.7	5666.1	5353.3	5124.4	4991.7	4922.0
17°	8269.8	8131.4	7777.1	7280.3	6713.7	6170.6	5724.0	5386.7	5144.2	5005.2	4936.2
18°	8530.6	8382.5	7999.8	7465.6	6851.1	6265.2	5785.3	5423.8	5165.9	5022.5	4953.1
19°	8784.8	8629.3	8223.3	7647.2	6990.1	6361.6	5846.7	5463.2	5191.5	5040.7	4971.4
20°	9032.5	8864.6	8437.6	7828.3	7132.4	6459.0	5910.8	5505.7	5219.0	5063.7	4993.1
21°	9264.5	9094.2	8649.9	8009.5	7277.1	6561.9	5977.7	5550.2	5249.3	5087.8	5013.8
22°	9484.1	9311.4	8849.0	8186.4	7420.5	6668.5	6045.3	5595.0	5282.3	5114.6	5037.7
23°	9687.3	9522.0	9045.6	8362.0	7567.7	6776.2	6112.8	5639.5	5316.6	5143.2	5062.7
24°	9884.0	9719.4	9234.0	8529.8	7707.7	6882.9	6178.2	5684.7	5352.2	5171.8	5089.2
25°	10071.5	9911.9	9420.0	8696.0	7848.7	6986.8	6244.6	5728.9	5388.7	5202.6	5116.5
26°	10230.3	10083.1	9599.3	8858.9	7985.4	7093.9	6313.3	5774.6	5427.0	5233.8	5144.0
27°	10375.9	10238.5	9773.7	9015.2	8121.6	7203.4	6382.1	5819.3	5465.3	5265.2	5173.1
28°	10506.7	10375.9	9934.1	9171.5	8256.7	7312.5	6454.1	5864.6	5504.3	5298.6	5202.2
29°	10646.6	10511.7	10086.3	9324.5	8386.6	7424.8	6529.9	5913.5	5545.3	5330.9	5234.9
30°	10812.8	10670.5	10235.3	9478.4	8516.6	7541.3	6609.3	5965.3	5587.0	5365.8	5267.9
31°	10951.8	10819.4	10399.0	9635.5	8652.4	7655.7	6690.4	6017.7	5629.9	5401.7	5303.4
32°	11055.5	10936.2	10550.3	9792.6	8792.2	7768.0	6775.5	6070.3	5673.6	5439.7	5339.3
33°	11095.8	11004.5	10676.2	9944.8	8943.6	7880.1	6858.6	6123.3	5717.3	5478.1	5375.0
34°	11072.8	11000.4	10761.0	10082.2	9090.9	8005.6	6945.5	6177.6	5757.5	5515.2	5410.4
35°	10993.8	10937.8	10776.6	10190.0	9219.2	8138.6	7035.6	6233.6	5798.7	5555.0	5449.8
36°	10889.3	10846.5	10737.9	10260.8	9334.4	8268.2	7129.2	6291.7	5840.7	5596.3	5491.8
37°	10801.3	10741.2	10672.1	10276.4	9420.8	8380.1	7221.8	6347.6	5886.1	5639.1	5539.9
38°	10760.1	10672.9	10603.8	10257.5	9487.4	8476.3	7318.5	6400.0	5931.9	5687.1	5589.9
39°	10745.3	10638.4	10554.5	10232.0	9518.7	8556.9	7417.4	6456.3	5979.1	5739.1	5642.3
40°	10740.4	10621.1	10530.6	10218.8	9528.6	8617.0	7507.0	6517.0	6028.4	5796.9	5696.9
41°	10736.3	10609.6	10523.2	10218.8	9543.4	8659.8	7583.1	6583.4	6080.4	5852.4	5750.7
42°	10723.9	10600.5	10522.4	10234.4	9572.2	8698.4	7645.4	6645.6	6136.6	5913.4	5806.5
43°	10700.1	10587.4	10521.6	10261.6	9607.5	8744.5	7696.2	6702.2	6196.7	5975.2	5859.5
44°	10662.2	10570.9	10518.3	10292.8	9650.3	8803.7	7746.4	6757.1	6260.4	6041.7	5912.0



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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°	10612.1	10542.9	10510.9	10321.6	9698.8	8869.6	7800.9	6814.9	6324.0	6107.6	5963.0
46°	10550.3	10506.7	10498.5	10345.5	9753.1	8935.4	7859.9	6876.2	6390.6	6173.1	6012.9
47°	10483.7	10468.1	10483.7	10362.8	9808.3	9003.7	7916.6	6944.0	6456.4	6236.8	6065.0
48°	10413.0	10424.5	10464.0	10375.1	9861.7	9072.8	7975.0	7015.8	6522.8	6300.6	6116.1
49°	10339.7	10379.2	10436.0	10383.3	9915.2	9139.4	8030.0	7087.8	6592.2	6363.0	6172.2
50°	10260.8	10332.3	10402.3	10386.6	9964.6	9206.1	8081.7	7163.2	6661.5	6424.9	6228.7
51°	10171.1	10278.0	10361.9	10385.8	10009.8	9267.8	8128.6	7238.3	6729.9	6487.9	6290.6
52°	10070.7	10211.4	10315.9	10380.0	10055.9	9329.5	8171.3	7313.1	6798.2	6552.7	6356.0
53°	9959.6	10136.5	10266.5	10373.5	10094.6	9383.8	8209.5	7384.8	6869.8	6620.0	6425.4
54°	9834.6	10040.3	10213.0	10359.5	10127.5	9433.9	8248.4	7452.2	6944.7	6691.3	6498.8
55°	9695.6	9927.6	10153.8	10340.6	10156.3	9478.4	8283.8	7515.7	7019.7	6765.2	6574.4
56°	9537.6	9797.6	10080.6	10311.8	10179.3	9517.0	8317.5	7576.7	7096.1	6844.2	6649.0
57°	9359.1	9647.8	9992.6	10273.9	10194.1	9549.9	8347.1	7635.5	7175.2	6929.3	6723.3
58°	9160.8	9475.1	9884.8	10228.7	10199.9	9575.4	8369.4	7688.8	7257.7	7019.3	6794.8
59°	8949.4	9278.4	9765.5	10177.7	10194.9	9590.3	8385.8	7737.3	7336.3	7111.0	6860.9
60°	8696.0	9058.8	9627.3	10116.8	10177.7	9593.5	8394.0	7780.9	7415.4	7207.2	6923.9
61°	8381.7	8802.9	9473.4	10041.1	10145.6	9577.9	8390.8	7814.8	7497.4	7307.0	6994.3
62°	8007.7	8496.1	9300.7	9950.6	10107.7	9543.4	8375.9	7840.6	7581.0	7409.3	7065.5
63°	7588.0	8141.7	9103.2	9842.0	10054.3	9501.4	8357.0	7860.9	7663.7	7512.3	7136.3
64°	7172.5	7766.9	8882.7	9716.9	9981.0	9440.5	8326.6	7867.6	7742.9	7618.5	7203.2
65°	6811.8	7416.2	8644.1	9570.5	9895.5	9362.4	8278.9	7865.6	7819.1	7721.2	7268.0
66°	6525.5	7094.8	8387.5	9404.3	9791.0	9272.7	8205.6	7856.2	7883.6	7823.4	7334.4
67°	6342.3	6825.6	8136.3	9209.3	9652.8	9145.2	8097.7	7817.2	7942.5	7916.0	7394.1
68°	6248.4	6628.1	7896.1	8988.0	9489.1	8972.4	7925.2	7744.5	7992.3	8005.9	7448.3
69°	6166.9	6489.6	7673.9	8742.9	9283.4	8747.8	7653.0	7608.3	8025.4	8083.9	7477.4
70°	5936.3	6368.0	7467.5	8478.0	9033.3	8431.9	7232.0	7372.2	8022.8	8152.7	7494.3
71°	5478.3	6153.6	7286.8	8207.2	8739.6	8004.0	6627.2	7020.9	7968.5	8200.2	7495.1
72°	4867.6	5783.0	7109.8	7930.9	8398.2	7474.8	5965.9	6561.7	7848.9	8221.3	7445.9
73°	4256.2	5263.1	6907.7	7663.0	8001.9	6856.8	5351.5	6043.7	7640.9	8187.1	7352.7
74°	3690.3	4684.6	6658.2	7384.7	7542.2	6214.3	4791.4	5551.3	7368.5	8083.6	7197.1
75°	2867.8	4048.4	6334.7	7048.3	7034.6	5538.5	4137.0	5078.5	7038.5	7890.3	6909.6
76°	1753.9	3260.4	5879.9	6668.0	6478.0	4805.9	3163.5	4477.2	6701.3	7581.0	6517.7
77°	776.2	2153.7	5295.7	6132.2	5851.8	3853.5	2053.6	3553.7	6324.6	7074.3	6081.0
78°	583.4	1042.4	4550.8	5412.8	5095.8	2647.3	951.0	2525.7	5851.6	6327.6	5531.4
79°	404.0	760.9	3595.5	4510.1	4194.8	1460.8	386.1	1497.6	5082.9	5335.1	4786.1
80°	224.6	495.9	2320.8	3411.5	3125.5	668.2	257.1	481.4	3886.0	4247.8	4020.9
81°	195.8	230.8	1175.4	2238.2	1906.0	459.6	222.1	291.2	2752.3	3278.6	3382.7
82°	172.4	197.8	859.1	1094.2	882.8	263.7	195.4	237.8	1618.7	2472.8	2977.8
83°	149.5	170.8	553.7	811.1	637.2	216.9	168.7	201.8	507.0	1973.8	2775.0
84°	126.6	144.2	248.4	536.7	414.9	181.5	142.0	165.7	333.6	1474.9	2102.4
85°	103.0	117.9	184.3	262.4	192.7	147.6	117.2	129.7	268.7	977.9	1429.9
86°	77.2	93.2	135.0	214.2	147.3	113.5	92.2	101.6	215.8	601.9	771.4
87°	55.9	70.1	100.9	164.0	111.5	82.9	66.5	76.3	163.0	418.7	538.6
88°	34.8	47.0	69.7	107.4	79.8	57.9	42.4	53.9	110.6	235.5	305.7
89°	13.6	24.0	38.6	57.2	44.7	32.9	29.7	37.5	75.4	52.6	77.7



REPORT NUMBER: P1436811

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: P1436811

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: P1436811

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: P1436811

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4	5260.4
1°	5189.5	5189.8	5196.6	5207.1	5223.1	5240.5	5259.0	5259.7	5278.1	5295.4	5312.0
2°	5129.9	5129.4	5138.7	5157.0	5182.7	5215.4	5250.7	5270.2	5307.8	5343.5	5375.7
3°	5079.4	5076.4	5088.7	5112.4	5147.0	5193.1	5245.0	5283.3	5341.4	5397.3	5447.9
4°	5035.6	5032.9	5046.2	5074.2	5117.9	5175.1	5242.5	5299.2	5377.8	5456.3	5529.1
5°	4997.8	4993.2	5009.7	5042.4	5092.9	5160.4	5242.3	5317.4	5416.8	5518.4	5616.3
6°	4961.8	4957.3	4975.5	5013.1	5071.1	5148.8	5246.4	5339.6	5460.0	5587.6	5710.5
7°	4931.1	4925.2	4945.0	4987.9	5051.1	5139.3	5250.9	5363.4	5507.4	5661.9	5811.7
8°	4905.0	4897.9	4919.9	4967.3	5035.1	5131.5	5257.4	5389.2	5558.0	5742.0	5920.3
9°	4884.9	4876.2	4900.1	4948.6	5023.8	5126.3	5266.8	5417.9	5613.2	5827.2	6037.5
10°	4868.6	4860.4	4883.9	4935.0	5014.5	5124.2	5281.2	5452.8	5672.5	5919.4	6164.8
11°	4859.0	4850.4	4873.8	4927.0	5008.5	5127.7	5299.1	5492.6	5739.3	6019.1	6301.0
12°	4856.0	4846.1	4868.8	4922.7	5008.0	5134.2	5321.0	5536.5	5811.4	6125.5	6446.2
13°	4857.2	4845.9	4869.8	4923.4	5011.3	5145.6	5346.7	5582.9	5888.4	6239.3	6606.0
14°	4860.5	4850.1	4873.9	4929.2	5017.1	5159.1	5375.0	5631.1	5967.7	6361.6	6771.3
15°	4868.8	4857.1	4880.4	4937.4	5027.5	5176.4	5405.8	5685.5	6052.5	6488.5	6946.7
16°	4879.7	4867.8	4891.1	4948.6	5043.3	5196.9	5440.0	5743.9	6141.2	6624.3	7128.6
17°	4892.4	4881.0	4905.6	4963.5	5061.2	5221.2	5477.0	5804.4	6235.8	6763.0	7314.0
18°	4908.6	4895.9	4922.8	4982.7	5080.8	5247.4	5517.9	5869.2	6331.7	6907.7	7506.6
19°	4926.7	4911.2	4941.8	5004.5	5103.6	5276.0	5560.1	5934.2	6431.4	7053.9	7692.7
20°	4944.5	4927.4	4961.8	5028.6	5128.9	5308.3	5606.6	6001.6	6535.1	7202.1	7882.2
21°	4961.6	4943.8	4983.8	5055.2	5157.6	5343.3	5654.3	6071.1	6643.4	7353.7	8065.5
22°	4980.2	4960.7	5006.1	5082.0	5187.3	5380.5	5703.5	6139.5	6750.4	7502.5	8245.1
23°	5000.6	4981.1	5029.2	5111.3	5218.4	5419.1	5752.8	6208.3	6861.2	7653.4	8420.4
24°	5024.4	5005.1	5054.4	5141.8	5249.1	5460.0	5803.8	6276.4	6970.6	7800.9	8589.0
25°	5050.2	5031.7	5082.9	5174.8	5280.4	5502.2	5853.0	6347.2	7081.7	7946.5	8752.7
26°	5078.7	5062.8	5114.5	5207.3	5312.6	5543.5	5903.6	6416.3	7194.0	8085.4	8913.2
27°	5111.0	5097.9	5148.7	5238.8	5345.6	5585.6	5954.2	6489.6	7306.3	8225.6	9076.9
28°	5146.0	5136.4	5186.7	5270.6	5381.1	5628.6	6006.6	6567.1	7421.5	8362.0	9243.9
29°	5184.3	5178.2	5226.2	5304.6	5417.1	5670.5	6061.4	6647.6	7540.7	8501.0	9404.3
30°	5223.8	5224.0	5265.9	5338.2	5454.7	5713.2	6118.3	6732.3	7661.3	8645.8	9563.1
31°	5262.9	5269.6	5305.2	5372.8	5493.4	5755.1	6175.7	6821.3	7788.0	8797.2	9733.4
32°	5303.1	5320.0	5345.5	5407.6	5531.9	5797.7	6231.2	6909.5	7916.8	8945.3	9881.5
33°	5344.4	5370.9	5386.2	5443.6	5570.9	5838.7	6287.4	7004.2	8050.6	9088.4	10023.8
34°	5386.5	5420.1	5426.6	5479.5	5608.8	5877.3	6345.1	7099.0	8176.4	9221.7	10139.0
35°	5428.9	5472.5	5468.5	5518.4	5647.6	5917.2	6403.9	7193.8	8294.5	9339.3	10219.6
36°	5472.1	5526.9	5511.1	5560.6	5686.9	5959.4	6461.2	7284.1	8407.2	9431.5	10254.2
37°	5516.6	5579.6	5552.3	5608.7	5730.9	6002.4	6514.2	7379.0	8503.5	9486.6	10257.5
38°	5557.8	5631.2	5591.8	5659.6	5781.6	6047.7	6567.6	7467.4	8576.7	9512.9	10237.7
39°	5597.8	5686.3	5631.1	5714.1	5836.1	6095.6	6616.4	7546.5	8629.3	9529.4	10217.2
40°	5640.4	5741.3	5672.3	5768.7	5893.1	6143.5	6668.8	7616.2	8666.4	9546.6	10212.2
41°	5683.7	5791.7	5717.0	5823.7	5953.8	6195.1	6719.3	7679.7	8700.9	9572.2	10227.8
42°	5728.1	5842.8	5764.1	5877.5	6018.2	6249.0	6774.7	7738.8	8747.8	9605.9	10259.9
43°	5773.6	5891.5	5812.4	5930.0	6083.5	6305.4	6837.8	7798.9	8811.2	9647.0	10297.0
44°	5819.8	5939.6	5863.0	5983.1	6146.8	6369.4	6904.5	7857.3	8881.1	9698.8	10331.5

REPORT NUMBER: P1436811

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5868.4	5987.1	5913.6	6035.7	6210.3	6436.2	6971.3	7913.5	8947.7	9758.1	10361.1
46°	5919.1	6032.7	5967.9	6089.0	6272.4	6506.8	7035.8	7970.1	9012.7	9822.3	10385.8
47°	5974.6	6080.8	6024.5	6141.6	6334.6	6581.5	7105.7	8028.5	9077.7	9885.6	10403.1
48°	6035.6	6122.0	6085.0	6194.3	6394.9	6659.1	7183.4	8079.8	9147.6	9943.2	10414.6
49°	6099.9	6163.6	6148.0	6250.3	6456.3	6734.2	7260.9	8126.6	9217.6	9995.8	10423.7
50°	6163.1	6204.9	6214.5	6310.1	6518.9	6807.5	7338.3	8168.5	9281.7	10041.9	10427.8
51°	6228.5	6249.6	6279.9	6373.2	6582.2	6877.0	7414.4	8207.7	9342.6	10083.9	10427.8
52°	6295.2	6291.5	6348.4	6440.7	6649.3	6946.2	7487.7	8248.4	9396.9	10121.7	10424.5
53°	6362.3	6330.7	6415.6	6511.7	6717.9	7017.9	7554.7	8284.6	9445.5	10155.5	10418.7
54°	6428.8	6368.5	6480.2	6584.6	6790.7	7091.2	7615.7	8319.2	9486.6	10183.4	10406.4
55°	6488.8	6407.5	6537.9	6661.4	6869.1	7168.0	7671.5	8347.1	9520.3	10202.3	10388.3
56°	6540.8	6445.7	6588.9	6737.9	6952.0	7246.6	7722.5	8372.7	9545.0	10218.0	10359.5
57°	6584.3	6483.3	6636.7	6815.9	7040.1	7323.5	7768.9	8395.7	9556.5	10223.7	10321.6
58°	6626.5	6519.7	6679.5	6885.5	7134.1	7400.3	7811.1	8410.5	9563.1	10215.5	10265.7
59°	6666.4	6555.5	6719.3	6949.7	7230.5	7476.8	7846.5	8414.6	9559.0	10197.4	10204.8
60°	6703.7	6586.6	6753.7	7015.6	7329.8	7550.7	7873.0	8409.7	9538.4	10171.9	10131.6
61°	6734.5	6615.4	6782.5	7088.2	7430.7	7624.2	7890.1	8403.9	9504.7	10136.5	10055.1
62°	6759.2	6645.3	6809.3	7161.1	7534.0	7701.0	7898.2	8391.6	9460.3	10083.1	9964.6
63°	6788.1	6673.2	6838.2	7224.6	7633.8	7776.4	7901.2	8362.0	9401.0	10013.1	9854.3
64°	6814.3	6701.8	6869.0	7283.3	7737.9	7847.3	7893.7	8316.7	9325.3	9925.1	9716.1
65°	6838.4	6707.1	6890.1	7343.3	7839.1	7914.8	7873.4	8239.4	9220.9	9815.7	9550.8
66°	6851.8	6672.0	6888.7	7406.0	7932.5	7975.1	7827.4	8117.3	9080.2	9679.9	9358.3
67°	6845.0	6632.5	6871.5	7457.8	8022.2	8012.0	7744.1	7953.0	8893.4	9523.6	9148.5
68°	6825.1	6562.9	6846.3	7500.0	8098.7	8016.7	7613.5	7685.8	8654.0	9328.6	8918.9
69°	6764.6	6381.9	6774.6	7522.1	8162.3	7991.2	7408.5	7266.4	8348.8	9091.7	8673.8
70°	6630.9	6075.4	6617.7	7523.8	8208.5	7930.0	7077.2	6674.8	7930.2	8809.5	8403.1
71°	6392.8	5609.8	6350.6	7495.9	8231.1	7812.6	6610.1	5989.4	7378.1	8466.4	8117.9
72°	6006.8	5038.2	5933.9	7428.0	8210.7	7641.5	6097.5	5377.7	6757.2	8086.1	7830.6
73°	5471.8	4451.6	5420.1	7319.4	8107.3	7383.8	5619.8	4827.0	6091.5	7619.5	7530.4
74°	4889.0	3864.0	4835.0	7111.9	7908.9	7077.2	5162.9	4199.5	5438.2	7078.1	7206.6
75°	4283.3	3128.6	4207.4	6780.9	7624.8	6756.2	4532.6	3230.5	4702.2	6473.9	6818.8
76°	3635.2	2355.3	3551.7	6388.0	7192.9	6410.3	3597.1	2015.0	3772.1	5837.7	6359.7
77°	2904.0	1843.9	2865.6	5929.6	6537.2	5946.3	2545.8	942.2	2604.4	5107.1	5720.7
78°	2424.3	1933.7	2459.3	5339.8	5644.1	5211.4	1494.4	688.2	1415.0	4224.7	4829.1
79°	2507.4	2438.7	2644.7	4573.3	4656.8	4092.8	445.6	460.0	629.1	3204.8	3780.3
80°	3013.3	2783.5	3134.3	3782.0	3687.6	2891.5	290.5	231.8	447.0	2020.2	2617.8
81°	3188.6	2158.8	3125.9	3085.5	2864.7	1690.2	239.0	199.0	266.5	962.6	1448.5
82°	2411.5	1533.9	2346.0	2798.6	2280.0	512.3	205.0	173.4	220.6	702.8	1045.0
83°	1634.5	911.6	1566.0	2205.7	1695.3	343.9	171.1	148.5	186.8	455.9	662.7
84°	860.9	486.4	790.1	1612.8	1113.0	282.1	137.3	123.3	155.0	209.0	280.4
85°	455.0	293.3	440.1	1020.1	648.0	229.6	109.4	96.9	120.8	156.3	236.1
86°	364.4	102.7	352.5	567.5	456.3	177.1	84.3	72.8	90.6	119.3	190.2
87°	273.9	69.3	265.0	454.3	264.5	124.8	61.0	48.7	65.0	87.4	135.0
88°	183.3	35.8	177.5	341.1	74.5	94.7	42.1	24.7	39.5	55.7	73.8
89°	92.8	3.2	90.0	227.9	39.4	64.6	23.1	8.2	14.0	42.3	55.6



REPORT NUMBER: P1436811

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: P1436811

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: P1436811

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: P1436811
 CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5260.4	5260.4	5260.4
1°	5323.1	5332.9	5336.7
2°	5402.1	5419.9	5425.2
3°	5490.6	5517.1	5525.4
4°	5588.0	5625.5	5637.6
5°	5693.9	5745.0	5761.3
6°	5810.8	5876.7	5898.5
7°	5937.0	6019.4	6046.5
8°	6071.6	6171.6	6204.3
9°	6218.1	6338.4	6378.8
10°	6376.3	6521.4	6567.5
11°	6546.7	6716.7	6771.8
12°	6728.3	6924.3	6991.3
13°	6925.9	7149.5	7228.3
14°	7128.6	7385.7	7478.2
15°	7341.4	7631.9	7738.3
16°	7566.4	7888.5	8005.9
17°	7799.1	8143.9	8269.8
18°	8029.3	8403.1	8530.6
19°	8252.5	8648.3	8784.8
20°	8470.6	8884.4	9032.5
21°	8682.0	9107.3	9264.5
22°	8883.6	9321.2	9484.1
23°	9076.1	9532.7	9687.3
24°	9264.5	9735.9	9884.0
25°	9452.0	9931.7	10071.5
26°	9638.0	10110.2	10230.3
27°	9818.1	10267.3	10375.9
28°	9979.4	10403.9	10506.7
29°	10132.4	10545.4	10646.6
30°	10287.1	10700.9	10812.8
31°	10440.9	10844.9	10951.8
32°	10585.7	10950.2	11055.5
33°	10690.2	11002.0	11095.8
34°	10745.3	10992.1	11072.8
35°	10746.2	10927.1	10993.8
36°	10710.0	10827.6	10889.3
37°	10642.5	10730.5	10801.3
38°	10581.6	10666.3	10760.1
39°	10551.2	10638.4	10745.3
40°	10540.5	10624.4	10740.4
41°	10538.0	10617.8	10736.3
42°	10538.0	10610.4	10723.9
43°	10538.8	10601.4	10700.1
44°	10538.8	10585.7	10662.2



REPORT NUMBER: P1436811

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10536.4	10558.6	10612.1
46°	10531.4	10522.4	10550.3
47°	10520.7	10482.1	10483.7
48°	10505.1	10438.5	10413.0
49°	10477.9	10393.2	10339.7
50°	10445.0	10349.6	10260.8
51°	10403.1	10298.6	10171.1
52°	10354.5	10235.3	10070.7
53°	10303.5	10159.6	9959.6
54°	10250.9	10062.5	9834.6
55°	10190.8	9949.0	9695.6
56°	10118.4	9818.1	9537.6
57°	10028.8	9665.9	9359.1
58°	9918.5	9490.7	9160.8
59°	9796.8	9291.6	8949.4
60°	9656.9	9074.4	8696.0
61°	9494.0	8826.8	8381.7
62°	9316.3	8529.8	8007.7
63°	9128.7	8183.2	7588.0
64°	8920.6	7805.0	7172.5
65°	8687.7	7452.4	6811.8
66°	8436.8	7148.7	6525.5
67°	8188.4	6890.6	6342.3
68°	7941.6	6695.3	6248.4
69°	7727.2	6543.2	6166.9
70°	7539.3	6409.0	5936.3
71°	7344.7	6193.3	5478.3
72°	7122.7	5811.8	4867.6
73°	6912.2	5283.4	4256.2
74°	6644.2	4676.4	3690.3
75°	6245.8	4017.9	2867.8
76°	5718.8	3215.9	1753.9
77°	5109.6	2152.4	776.2
78°	4331.0	1081.4	583.4
79°	3253.1	781.1	404.0
80°	1889.3	509.5	224.6
81°	903.5	237.8	195.8
82°	673.9	197.4	172.4
83°	450.1	172.2	149.5
84°	226.3	144.3	126.6
85°	165.2	115.9	103.0
86°	124.1	90.1	77.2
87°	91.0	66.6	55.9
88°	73.0	43.2	34.8
89°	55.5	19.8	13.6



REPORT NUMBER: P1436811
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: P1436811

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: P1436811
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)