

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: P1436836

Luminaire Tested: XAS300-SFPM (5000K-240W-T5-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436836
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-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 30562.4 lumens
Efficiency: 82.8%
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Medium - Semi-Cutoff
BUG Rating: B4 - U0 - G4

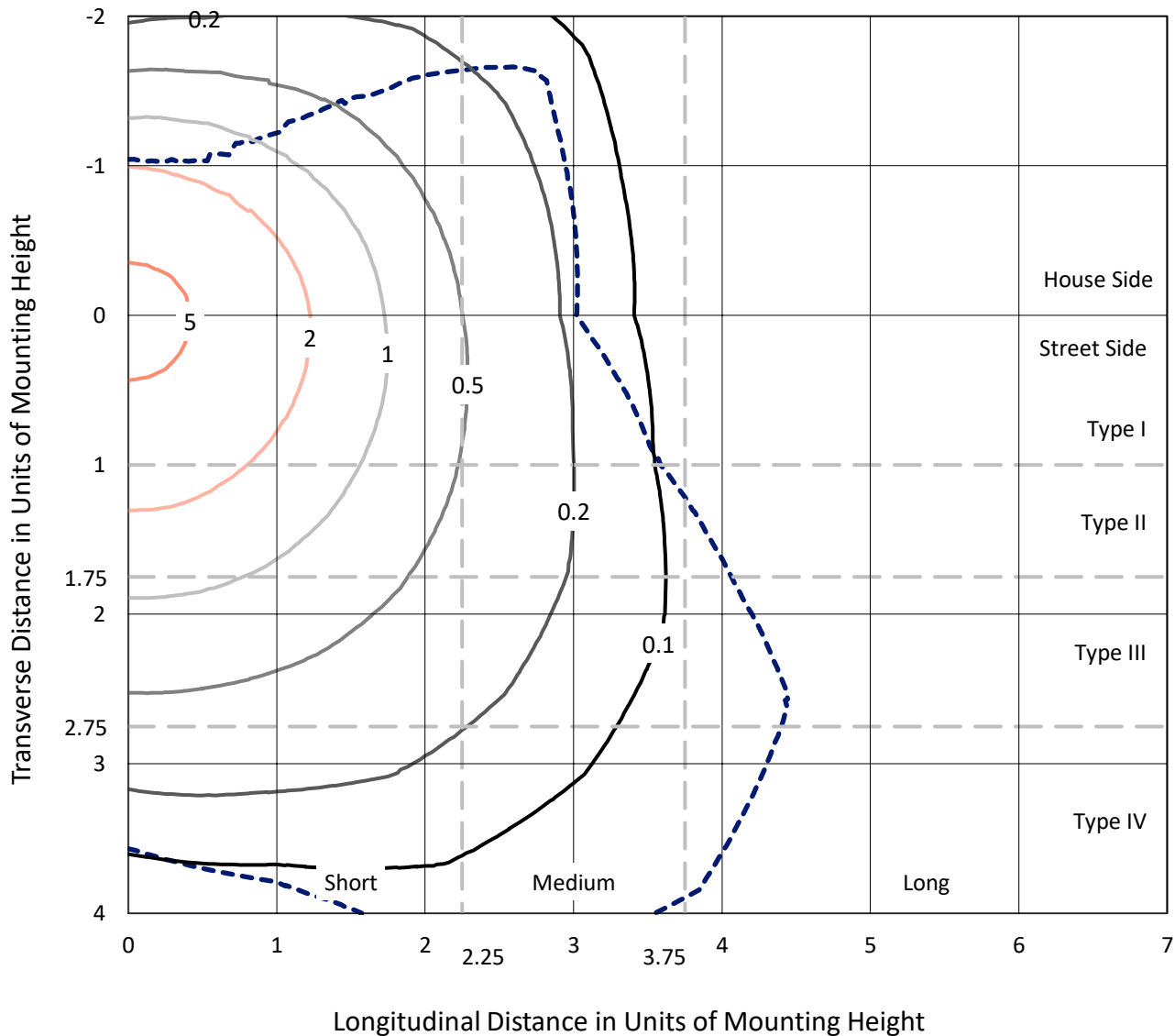
Input Watts (W): 248.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

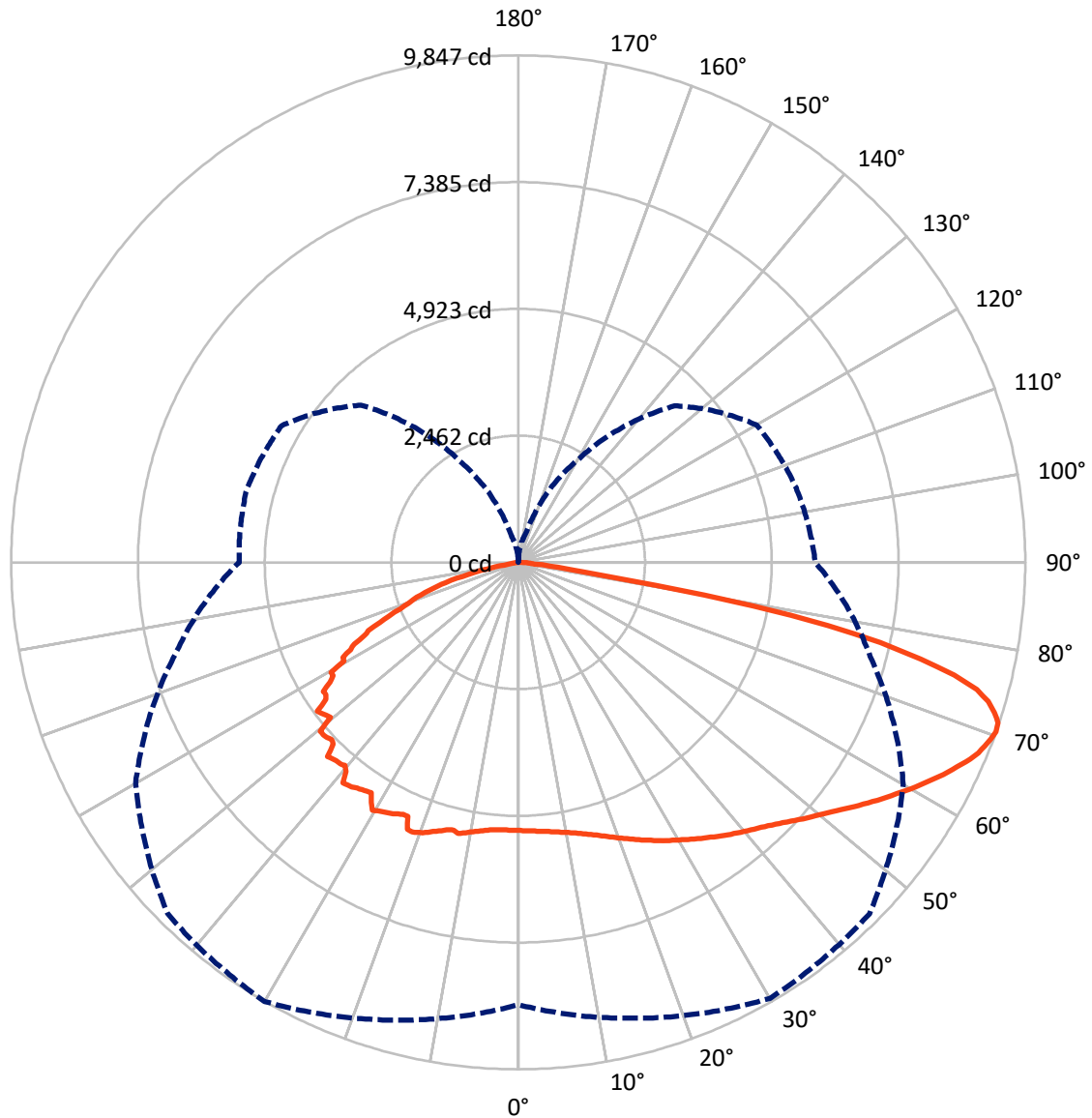
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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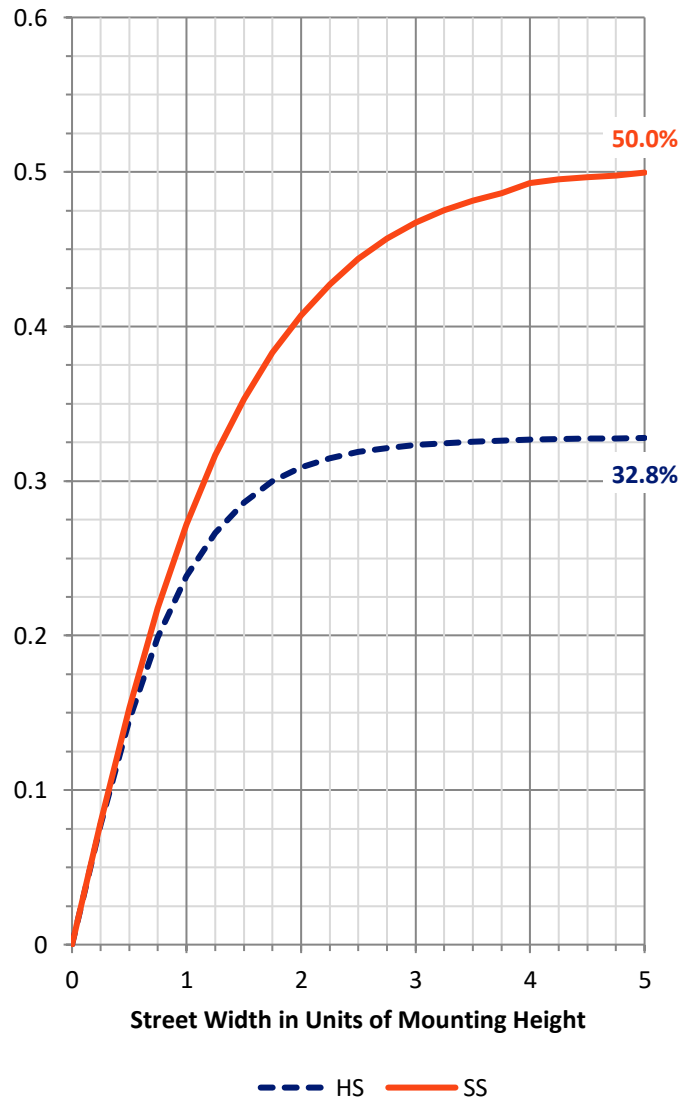
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12136.9	0.0	12136.9
	% Lamp	32.9	0.0	32.9
Street Side	Lumens	18425.5	0.0	18425.5
	% Lamp	49.9	0.0	49.9
Total	Lumens	30562.4	0.0	30562.4
	% Lamp	82.8	0.0	82.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	502.8	1.6	1.4
10°-20°	1554.1	5.1	4.2
20°-30°	2687.0	8.8	7.3
30°-40°	3850.5	12.6	10.4
40°-50°	4978.0	16.3	13.5
50°-60°	5990.6	19.6	16.2
60°-70°	6412.6	21.0	17.4
70°-80°	4312.2	14.1	11.7
80°-90°	274.6	0.9	0.7
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°	30562.4	100.0	82.8
0°-180°	30562.4	100.0	82.8

Coefficient of Utilization



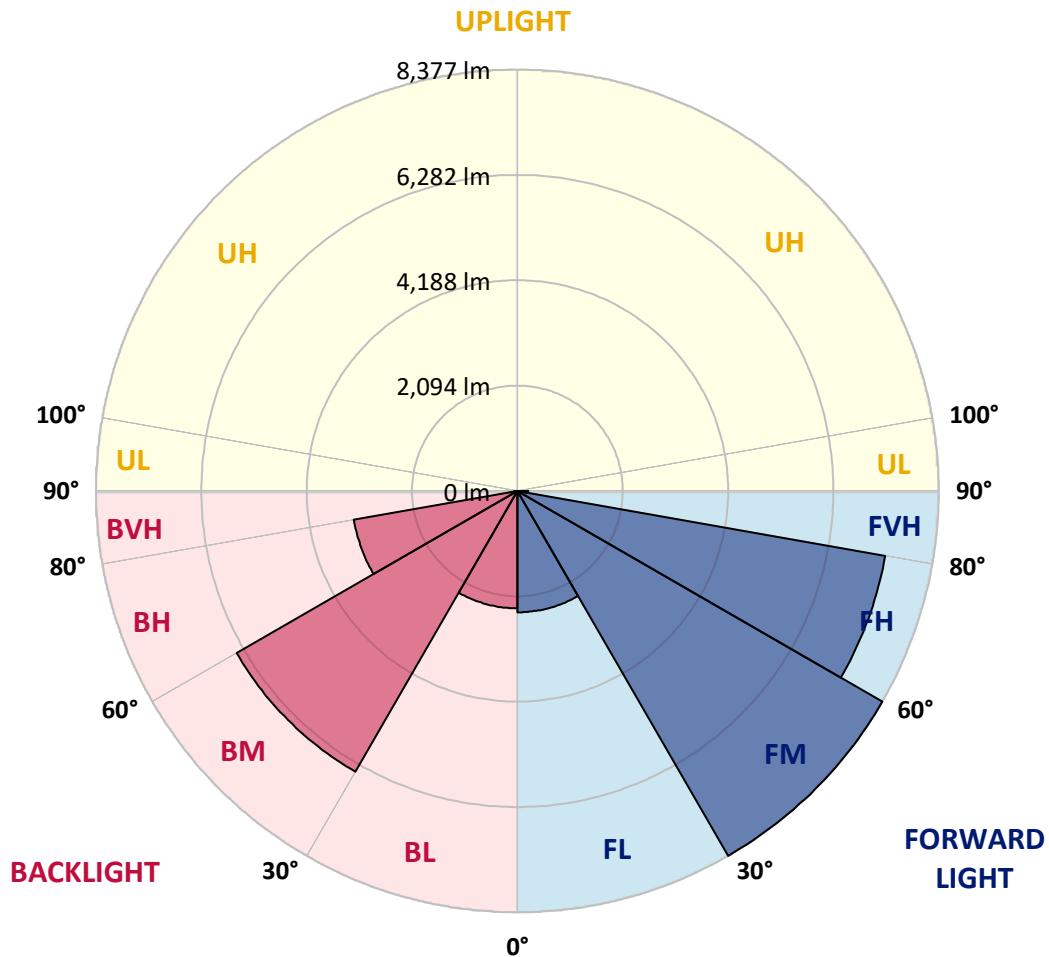
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2411.4	6.5			
FM (30°-60°)	8376.5	22.7			
FH (60°-80°)	7423.0	20.1			G3/7500
FVH (80°-90°)	214.6	0.6			G2/225
BL (0°-30°)	2332.6	6.3	B3/2500		
BM (30°-60°)	6442.6	17.4	B4/8500		
BH (60°-80°)	3301.8	8.9	B4/5000		G4/5000
BVH (80°-90°)	60.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	6369.6	17.2			

BUG Rating: B4-U0-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8
1°	5211.6	5212.1	5210.5	5211.9	5211.0	5209.4	5207.0	5205.3	5204.2	5204.4	5204.2
2°	5217.6	5217.2	5215.7	5216.0	5213.8	5211.5	5208.4	5205.9	5203.3	5203.1	5203.3
3°	5225.7	5224.4	5222.0	5221.7	5219.9	5218.1	5212.4	5208.9	5205.6	5204.0	5203.9
4°	5234.4	5232.4	5230.7	5231.6	5229.0	5228.2	5221.8	5215.5	5210.6	5207.9	5206.8
5°	5244.8	5242.6	5242.3	5243.4	5243.7	5243.4	5235.5	5227.5	5218.8	5214.1	5212.4
6°	5256.4	5254.6	5254.7	5258.9	5261.1	5258.9	5250.7	5242.3	5230.0	5221.7	5219.5
7°	5270.1	5268.3	5269.1	5276.3	5278.6	5275.6	5266.7	5257.8	5244.6	5234.1	5235.5
8°	5285.3	5284.3	5286.9	5295.3	5297.8	5295.8	5286.2	5275.4	5261.5	5253.2	5256.8
9°	5303.1	5302.3	5307.5	5315.8	5321.0	5317.7	5307.2	5293.3	5279.5	5277.6	5280.0
10°	5324.3	5323.2	5329.4	5339.3	5345.3	5340.8	5328.5	5312.4	5298.4	5305.7	5306.7
11°	5349.0	5347.0	5353.9	5366.2	5371.1	5366.1	5352.6	5334.6	5322.7	5334.4	5333.3
12°	5375.0	5372.4	5381.4	5394.2	5398.6	5394.1	5370.0	5350.9	5352.9	5365.6	5363.2
13°	5404.9	5400.6	5410.0	5425.7	5428.4	5412.3	5385.9	5365.6	5372.0	5397.3	5394.2
14°	5438.3	5432.5	5440.8	5457.7	5461.7	5434.9	5408.6	5383.1	5395.2	5430.5	5352.1
15°	5474.5	5468.1	5475.3	5491.3	5486.9	5461.3	5435.2	5408.6	5417.7	5454.2	5362.4
16°	5512.9	5506.0	5514.4	5528.7	5516.5	5491.4	5473.4	5443.6	5447.2	5468.1	5400.1
17°	5552.1	5543.9	5554.6	5567.1	5549.3	5531.0	5504.1	5471.8	5481.2	5439.3	5439.2
18°	5594.2	5585.3	5596.4	5611.9	5579.0	5569.4	5541.6	5505.6	5512.3	5452.3	5481.5
19°	5635.9	5627.8	5640.4	5653.5	5616.1	5606.8	5587.1	5552.4	5550.6	5489.3	5527.0
20°	5679.7	5671.1	5686.6	5689.9	5658.3	5646.6	5637.2	5600.9	5597.5	5521.1	5570.1
21°	5723.4	5716.5	5734.0	5731.1	5702.8	5697.2	5687.2	5643.3	5643.0	5556.9	5600.0
22°	5768.0	5763.6	5783.3	5775.6	5744.0	5750.4	5725.8	5669.2	5669.7	5604.2	5625.2
23°	5817.3	5814.2	5834.2	5820.7	5792.8	5804.0	5749.3	5699.4	5660.8	5650.4	5614.1
24°	5866.4	5866.9	5885.3	5865.0	5839.7	5846.1	5778.0	5751.5	5679.5	5684.5	5382.2
25°	5919.1	5921.6	5938.6	5914.1	5891.9	5880.3	5823.8	5783.0	5715.7	5718.6	5382.0
26°	5973.2	5976.9	5993.1	5961.4	5945.6	5914.4	5865.2	5821.4	5747.2	5760.1	5415.1
27°	6030.7	6036.9	6050.5	6016.8	5999.1	5952.3	5897.6	5873.1	5796.1	5782.5	5452.6
28°	6091.7	6099.4	6108.9	6068.1	6051.2	6005.1	5943.2	5923.8	5844.1	5677.2	5482.3
29°	6155.5	6161.0	6166.1	6117.5	6098.4	6059.5	6000.4	5963.8	5869.8	5552.2	5513.7
30°	6222.8	6223.5	6219.3	6167.3	6145.0	6099.9	6060.0	5991.9	5893.0	5571.5	5547.2
31°	6291.2	6285.8	6271.5	6225.5	6181.1	6146.8	6110.5	6031.8	5936.5	5577.5	5585.5
32°	6363.4	6349.6	6328.7	6279.2	6223.0	6195.1	6142.3	6078.0	5982.0	5602.1	5464.3
33°	6440.8	6413.9	6385.1	6332.1	6266.8	6250.0	6182.1	6124.2	5999.8	5641.0	5307.8
34°	6518.2	6477.5	6440.2	6391.0	6320.7	6304.5	6234.1	6149.9	6033.9	5683.5	5331.3
35°	6598.7	6543.7	6500.1	6452.2	6375.5	6356.1	6289.7	6189.0	6061.2	5718.2	5353.9
36°	6678.7	6606.3	6557.0	6511.4	6427.6	6395.8	6348.2	6231.3	6089.5	5736.3	5386.5
37°	6761.6	6667.3	6615.1	6570.5	6473.7	6425.4	6391.5	6263.4	6092.9	5743.2	5430.5
38°	6846.6	6727.0	6670.8	6631.8	6526.1	6465.4	6444.4	6301.2	5971.2	5585.7	5452.1
39°	6931.1	6787.3	6730.2	6686.3	6573.2	6513.7	6513.4	6329.0	5877.4	5519.3	5468.0
40°	7022.6	6851.2	6786.3	6740.3	6630.8	6569.4	6577.8	6368.7	5921.6	5566.5	5259.7
41°	7111.5	6921.3	6844.9	6799.2	6695.2	6630.3	6637.4	6386.8	5972.3	5608.6	5184.3
42°	7201.0	6998.8	6912.1	6852.8	6762.2	6694.0	6696.5	6402.9	6021.5	5602.1	5222.3
43°	7282.4	7081.9	6983.5	6914.9	6830.6	6740.7	6747.8	6449.9	6002.0	5618.7	5226.8
44°	7360.2	7169.0	7058.2	6979.7	6900.3	6801.1	6798.4	6487.6	6007.3	5659.6	5254.9



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CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7434.8	7257.9	7133.6	7046.0	6961.6	6866.1	6852.9	6551.6	6048.2	5687.8	5283.0
46°	7505.4	7349.4	7213.9	7122.6	7025.0	6943.4	6892.5	6557.4	6095.8	5520.1	5039.9
47°	7572.3	7444.8	7299.8	7205.4	7095.5	7013.7	6931.6	6537.8	6107.8	5427.4	4996.1
48°	7637.9	7547.3	7389.8	7293.0	7167.7	7081.9	6988.1	6574.5	6113.5	5457.6	5038.2
49°	7707.4	7655.1	7486.1	7381.8	7248.2	7156.9	7041.0	6628.1	5984.7	5512.0	5053.9
50°	7779.6	7768.0	7583.7	7463.9	7332.8	7230.1	7092.5	6661.6	5968.3	5536.5	5052.1
51°	7855.3	7881.9	7685.4	7552.1	7418.9	7296.9	7136.1	6682.5	5989.3	5547.3	4728.1
52°	7932.2	8000.8	7790.8	7649.3	7511.1	7366.4	7134.2	6718.4	6009.9	5348.5	4766.4
53°	8017.6	8121.2	7896.7	7749.6	7599.4	7432.3	7090.7	6738.4	6071.2	5324.7	4817.1
54°	8111.6	8240.6	8014.2	7854.9	7676.9	7491.6	7080.0	6737.6	6073.6	5349.5	4856.4
55°	8203.8	8357.3	8135.3	7967.3	7757.9	7538.5	7098.9	6737.5	6072.7	5364.4	4585.9
56°	8297.8	8470.7	8258.7	8087.8	7842.2	7591.7	7127.4	6724.1	6039.2	5293.5	4529.0
57°	8388.0	8579.9	8383.8	8206.3	7931.2	7653.2	7142.7	6716.5	5907.8	5117.0	4541.2
58°	8475.7	8680.9	8510.4	8331.7	8018.5	7710.0	7139.3	6645.0	5926.2	5180.7	4336.4
59°	8561.7	8772.8	8637.9	8454.2	8103.0	7756.5	7131.7	6647.2	5917.8	5247.3	4214.7
60°	8646.2	8859.7	8762.8	8579.9	8181.9	7796.7	7128.9	6593.0	5893.7	5223.9	4218.1
61°	8717.3	8934.1	8890.3	8699.1	8262.5	7818.6	7107.7	6537.1	5841.0	5047.1	3891.0
62°	8779.4	8999.5	9015.2	8813.3	8344.1	7803.5	7055.6	6469.0	5770.0	5025.0	3875.6
63°	8839.0	9058.3	9138.5	8930.8	8417.8	7738.8	6994.2	6394.3	5747.4	4948.7	3672.9
64°	8916.8	9114.5	9265.2	9055.0	8474.0	7679.4	6916.0	6322.7	5683.0	4845.6	3560.6
65°	8997.9	9184.1	9382.7	9182.4	8536.1	7632.0	6840.0	6237.3	5551.0	4801.3	3302.8
66°	9046.7	9257.7	9486.9	9295.8	8595.7	7606.0	6737.5	6165.4	5571.2	4663.7	3204.3
67°	9053.3	9311.5	9576.3	9404.2	8632.1	7565.1	6614.6	6053.5	5605.5	4591.1	2930.4
68°	9044.2	9319.8	9664.9	9507.6	8658.6	7483.3	6417.3	5936.6	5632.7	4492.7	2723.3
69°	8938.3	9281.7	9740.2	9592.0	8657.7	7343.6	6185.0	5793.8	5485.8	4399.1	2459.6
70°	8589.1	9165.0	9775.7	9648.3	8632.9	7079.5	5768.9	5586.2	5341.2	4298.0	2281.9
71°	7904.9	8863.8	9746.0	9662.4	8574.2	6721.2	5227.4	5284.5	5225.3	4162.0	2170.0
72°	7021.6	8306.0	9645.0	9625.1	8484.0	6261.5	4717.9	4914.9	5079.3	4006.4	1995.3
73°	6158.3	7540.2	9461.3	9544.0	8325.9	5760.4	4278.5	4495.5	4854.1	3838.7	1819.9
74°	5312.0	6700.5	9179.9	9388.5	8077.4	5262.2	3888.0	4057.9	4621.7	3641.4	1644.5
75°	4055.0	5762.3	8757.0	9103.8	7788.1	4762.6	3422.3	3621.3	4360.7	3401.9	1467.6
76°	2418.7	4547.4	8102.6	8669.3	7364.0	4090.4	2521.7	3199.5	4043.6	3082.3	1232.0
77°	1048.7	2881.8	7239.7	8002.8	6807.4	3082.2	1621.1	2425.5	3683.3	2666.1	1002.2
78°	800.8	1346.0	6177.0	7025.6	6040.3	1842.2	733.5	1651.4	3252.8	2146.9	735.8
79°	569.0	1008.4	4727.2	5781.0	4904.1	788.8	270.5	877.4	2654.9	1627.6	445.1
80°	337.3	674.2	2892.8	4231.4	3451.2	589.9	228.1	626.1	1828.5	1108.3	273.3
81°	307.0	340.1	1389.3	2604.8	1882.0	395.6	185.8	374.8	1002.2	620.8	102.6
82°	280.7	303.0	1013.2	1153.9	793.0	201.3	143.7	131.3	705.4	363.9	61.1
83°	254.4	270.4	664.8	866.1	531.0	174.0	123.5	111.7	408.5	109.8	42.6
84°	227.5	238.9	316.4	593.4	270.5	148.7	104.4	93.8	114.2	88.4	32.9
85°	199.6	208.8	255.8	320.8	214.8	125.0	85.7	76.1	90.1	73.7	25.7
86°	169.1	179.3	211.6	268.0	172.7	102.2	67.1	59.9	69.3	60.0	21.5
87°	138.9	151.9	175.2	210.6	139.2	81.5	48.7	45.6	53.2	45.3	17.3
88°	112.8	125.4	140.2	147.2	108.1	62.6	34.7	35.3	39.4	32.2	13.1
89°	92.7	97.9	100.4	86.8	83.2	43.7	20.8	25.0	28.0	19.2	9.1



REPORT NUMBER: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8	5207.8
1°	5203.9	5205.2	5206.4	5207.6	5209.5	5210.3	5212.3	5211.3	5211.3	5212.1	5213.5
2°	5202.5	5205.0	5206.6	5209.2	5212.3	5214.9	5216.7	5218.5	5218.3	5219.3	5219.7
3°	5204.2	5206.2	5209.7	5212.8	5217.1	5220.8	5224.1	5227.7	5228.2	5229.0	5227.8
4°	5206.7	5210.0	5213.3	5217.6	5223.6	5230.2	5235.7	5239.8	5241.2	5241.6	5239.2
5°	5210.6	5213.6	5218.1	5224.8	5232.4	5241.6	5248.8	5253.8	5255.5	5255.6	5253.2
6°	5222.0	5226.6	5230.7	5233.2	5244.8	5255.4	5263.4	5270.5	5271.4	5271.1	5266.9
7°	5240.5	5245.5	5249.3	5251.9	5257.9	5270.9	5280.6	5289.4	5290.6	5289.1	5283.7
8°	5260.3	5264.4	5268.1	5273.9	5278.0	5289.1	5300.0	5309.3	5312.2	5311.5	5303.5
9°	5282.0	5285.3	5290.6	5298.9	5303.0	5308.4	5319.7	5330.0	5334.6	5334.5	5324.6
10°	5303.5	5306.9	5312.9	5325.2	5330.9	5329.8	5343.3	5355.6	5359.0	5358.5	5348.3
11°	5330.9	5334.0	5338.8	5352.7	5362.1	5357.8	5370.7	5386.0	5389.4	5386.8	5376.3
12°	5337.1	5303.7	5350.3	5383.6	5396.7	5392.8	5388.0	5406.2	5422.5	5419.8	5406.9
13°	5287.4	5290.5	5296.8	5415.8	5431.7	5415.4	5411.9	5431.1	5447.7	5458.5	5440.6
14°	5318.5	5324.6	5331.1	5382.0	5469.6	5443.7	5436.0	5457.0	5475.0	5492.1	5477.0
15°	5356.7	5359.7	5366.9	5386.5	5496.9	5472.6	5467.2	5490.3	5505.6	5523.3	5517.3
16°	5395.4	5399.3	5405.9	5427.3	5526.7	5510.7	5498.5	5528.1	5542.5	5557.0	5561.1
17°	5436.6	5440.3	5449.1	5471.1	5506.5	5542.5	5533.3	5567.2	5586.9	5591.5	5605.5
18°	5478.7	5475.5	5490.4	5516.3	5514.9	5580.9	5577.3	5610.7	5626.0	5633.5	5647.5
19°	5516.1	5511.6	5530.0	5563.6	5549.6	5629.8	5626.3	5662.5	5670.6	5679.2	5684.2
20°	5552.5	5530.3	5567.9	5609.6	5586.8	5680.2	5672.1	5714.0	5721.6	5728.5	5727.9
21°	5470.7	5277.2	5491.3	5638.0	5634.6	5722.2	5714.7	5758.9	5777.8	5769.9	5775.2
22°	5291.8	5282.7	5316.5	5667.5	5685.7	5753.4	5744.2	5796.8	5833.4	5820.5	5819.4
23°	5324.4	5317.2	5352.7	5670.3	5727.7	5753.3	5788.7	5824.5	5883.7	5869.0	5869.4
24°	5359.2	5354.9	5390.5	5445.7	5769.2	5779.5	5844.8	5870.0	5931.3	5925.6	5919.3
25°	5400.2	5399.3	5434.0	5451.0	5806.6	5811.0	5879.9	5922.5	5967.3	5983.5	5970.0
26°	5446.9	5444.1	5483.8	5492.1	5853.5	5849.6	5923.4	5957.9	6005.7	6039.8	6022.4
27°	5489.2	5488.3	5529.5	5529.5	5872.8	5902.1	5981.2	5999.3	6062.3	6092.7	6070.4
28°	5534.8	5489.8	5573.0	5562.3	5777.1	5949.4	6033.4	6057.8	6122.8	6142.0	6121.0
29°	5478.7	5211.4	5506.0	5594.3	5654.4	5972.5	6068.0	6120.2	6171.7	6191.5	6177.4
30°	5239.2	5248.2	5281.0	5636.1	5669.4	6003.6	6106.3	6176.4	6220.1	6234.3	6231.3
31°	5273.2	5291.2	5319.6	5674.9	5681.2	6048.9	6153.9	6218.6	6271.7	6276.5	6285.6
32°	5308.9	5342.0	5357.8	5538.7	5714.9	6095.7	6205.8	6259.6	6329.0	6321.5	6349.6
33°	5349.9	5393.8	5401.9	5393.2	5759.9	6114.5	6254.2	6305.8	6381.9	6380.4	6413.2
34°	5392.7	5442.2	5442.7	5418.2	5805.7	6149.9	6280.7	6359.5	6431.3	6436.8	6477.1
35°	5430.6	5486.1	5480.6	5441.3	5834.7	6175.6	6321.5	6418.5	6468.0	6492.6	6540.5
36°	5461.4	5177.0	5508.7	5479.5	5849.1	6200.3	6354.1	6467.5	6495.7	6535.3	6599.3
37°	5137.6	5152.3	5174.2	5520.1	5849.4	6201.2	6387.4	6514.7	6535.8	6586.3	6656.8
38°	5098.7	5200.5	5150.7	5535.2	5690.3	6083.2	6422.1	6577.5	6579.9	6633.6	6715.6
39°	5133.0	5254.7	5184.7	5559.8	5633.7	6002.4	6447.4	6642.3	6631.3	6693.4	6773.1
40°	5174.6	5308.8	5222.4	5350.0	5683.5	6051.5	6488.5	6703.3	6689.6	6757.0	6826.7
41°	5198.5	5322.2	5246.6	5286.3	5714.7	6103.3	6500.2	6774.2	6753.2	6821.3	6881.0
42°	5185.7	4936.7	5248.7	5316.5	5705.7	6137.0	6521.2	6839.1	6812.2	6884.4	6942.7
43°	4852.3	4965.2	4909.8	5319.4	5734.0	6106.0	6573.1	6893.7	6876.8	6948.5	7004.8
44°	4886.2	4999.8	4947.4	5347.2	5774.6	6124.1	6620.6	6949.8	6948.2	7005.1	7077.5



REPORT NUMBER: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4934.5	5028.3	4993.4	5372.5	5808.4	6173.9	6682.4	6998.4	7024.0	7069.9	7160.4
46°	4961.6	4926.9	5014.2	5106.6	5632.2	6214.9	6663.1	7035.8	7092.0	7147.6	7248.0
47°	4886.0	4579.0	4941.5	5097.1	5553.3	6240.5	6658.8	7087.0	7161.1	7226.3	7335.1
48°	4580.5	4599.6	4646.0	5132.5	5590.5	6233.0	6707.6	7140.6	7240.3	7309.8	7418.3
49°	4627.0	4624.3	4691.3	5149.1	5646.8	6105.2	6772.2	7188.6	7318.8	7393.3	7501.9
50°	4674.5	4641.9	4739.3	5141.6	5659.2	6116.3	6805.5	7231.2	7386.3	7476.9	7589.8
51°	4719.1	4184.3	4775.2	4831.9	5673.3	6138.0	6826.4	7251.7	7456.6	7565.9	7686.6
52°	4320.5	4196.1	4367.3	4877.8	5451.3	6168.1	6874.1	7211.6	7526.1	7652.3	7780.8
53°	4305.4	4212.9	4367.7	4928.8	5459.8	6224.0	6883.1	7188.0	7590.6	7729.7	7887.0
54°	4316.4	3879.3	4369.8	4976.3	5490.1	6223.4	6886.5	7201.2	7637.7	7809.7	7998.4
55°	4014.0	3704.7	4064.6	4656.8	5503.2	6219.9	6881.5	7228.7	7686.0	7884.1	8112.1
56°	3860.0	3705.3	3922.5	4631.9	5393.6	6177.7	6858.6	7251.7	7738.9	7965.9	8229.8
57°	3862.6	3314.2	3930.7	4650.9	5279.2	6067.0	6839.8	7246.5	7785.8	8048.4	8344.9
58°	3487.7	3205.9	3532.1	4414.0	5340.5	6079.5	6762.4	7231.1	7824.0	8119.2	8460.0
59°	3399.4	3183.7	3461.2	4326.3	5402.7	6063.9	6763.3	7221.3	7856.8	8190.2	8570.0
60°	3303.7	2667.1	3336.2	4327.3	5333.4	6030.0	6680.2	7206.0	7873.3	8270.6	8677.6
61°	2924.9	2647.0	2984.0	3994.5	5179.9	5959.0	6622.6	7159.7	7854.4	8346.6	8791.0
62°	2843.4	2128.9	2871.1	3987.2	5155.9	5893.6	6539.3	7112.6	7789.5	8408.6	8913.4
63°	2426.4	1841.4	2478.2	3730.6	5057.9	5864.2	6450.9	7019.5	7733.0	8464.9	9035.9
64°	2163.6	1554.0	2186.8	3654.7	4965.2	5779.4	6371.9	6949.6	7687.8	8525.3	9148.5
65°	1882.2	1267.1	1891.6	3370.2	4906.1	5662.5	6275.8	6843.2	7653.8	8583.3	9256.1
66°	1600.8	1006.4	1596.5	3275.2	4766.1	5687.0	6175.0	6713.6	7616.8	8626.3	9357.0
67°	1317.5	669.2	1300.1	3008.4	4689.2	5706.2	6028.9	6533.3	7541.4	8654.4	9453.8
68°	980.0	332.1	939.0	2750.9	4560.2	5690.2	5888.4	6331.3	7413.5	8665.2	9542.4
69°	686.6	0.6	644.8	2457.8	4439.3	5481.8	5715.2	5958.4	7204.2	8639.5	9608.6
70°	614.8	0.5	551.7	2276.4	4316.5	5306.5	5459.5	5420.1	6893.9	8579.9	9638.4
71°	537.1	0.5	469.6	2153.3	4165.3	5150.2	5095.1	4861.4	6430.3	8490.6	9634.2
72°	452.3	0.5	379.4	1952.1	3988.7	4965.9	4678.5	4387.7	5890.2	8356.5	9594.5
73°	365.4	0.5	287.4	1730.6	3781.6	4713.8	4245.7	4018.5	5359.9	8121.4	9482.0
74°	288.6	0.6	205.7	1509.1	3525.4	4461.2	3826.5	3555.2	4844.2	7803.5	9270.9
75°	209.4	0.6	124.9	1287.2	3252.6	4174.4	3349.1	2785.0	4271.1	7389.1	8955.7
76°	130.3	0.8	71.0	1034.9	2880.8	3796.5	2771.8	1777.5	3437.3	6859.5	8491.4
77°	62.6	0.9	32.7	797.6	2380.9	3355.7	2242.2	821.6	2325.9	6213.9	7779.4
78°	46.3	1.1	26.0	537.0	1841.5	2808.1	1712.7	595.3	1139.9	5337.6	6665.8
79°	30.0	1.3	19.3	382.6	1302.1	2052.3	1183.1	387.8	820.4	4159.2	5225.9
80°	13.9	1.5	12.7	228.2	768.8	1296.5	653.6	180.4	520.5	2666.1	3671.6
81°	12.2	1.8	11.2	74.3	545.2	551.6	142.6	154.4	220.6	1270.0	2052.3
82°	10.8	2.0	10.1	50.1	321.6	342.0	122.5	134.5	192.2	923.0	799.1
83°	9.7	2.3	9.3	40.1	101.6	133.5	104.5	114.9	166.8	586.9	618.8
84°	8.8	2.6	8.5	31.4	86.7	105.3	87.4	96.1	142.2	250.9	464.5
85°	8.0	2.8	7.8	24.2	73.0	83.7	71.0	76.8	118.8	198.3	310.3
86°	7.2	3.1	7.0	20.2	59.0	65.2	55.7	57.6	96.6	160.3	256.0
87°	6.5	3.5	6.4	16.1	43.8	49.4	42.2	38.4	77.9	128.2	196.8
88°	6.0	3.8	5.9	12.1	31.1	34.9	29.8	22.2	57.7	97.0	131.7
89°	5.4	4.1	5.5	8.7	18.4	20.4	17.4	9.5	37.6	75.7	76.4



REPORT NUMBER: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5207.8	5207.8	5207.8
1°	5212.4	5212.8	5211.6
2°	5218.6	5218.2	5217.6
3°	5227.2	5225.8	5225.7
4°	5237.6	5235.1	5234.4
5°	5249.2	5246.0	5244.8
6°	5262.2	5257.0	5256.4
7°	5277.1	5271.5	5270.1
8°	5294.9	5287.8	5285.3
9°	5314.6	5306.4	5303.1
10°	5336.8	5327.2	5324.3
11°	5362.3	5351.0	5349.0
12°	5390.5	5377.2	5375.0
13°	5421.2	5406.9	5404.9
14°	5454.1	5441.3	5438.3
15°	5491.9	5477.5	5474.5
16°	5532.4	5516.2	5512.9
17°	5576.6	5558.3	5552.1
18°	5621.6	5599.7	5594.2
19°	5668.7	5644.2	5635.9
20°	5717.2	5688.3	5679.7
21°	5768.0	5736.1	5723.4
22°	5819.9	5785.0	5768.0
23°	5874.1	5837.8	5817.3
24°	5926.8	5892.0	5866.4
25°	5980.4	5950.3	5919.1
26°	6036.8	6010.4	5973.2
27°	6094.1	6069.0	6030.7
28°	6147.1	6130.8	6091.7
29°	6198.5	6191.4	6155.5
30°	6254.6	6253.8	6222.8
31°	6311.3	6317.6	6291.2
32°	6367.6	6380.2	6363.4
33°	6428.5	6444.6	6440.8
34°	6487.1	6510.6	6518.2
35°	6546.6	6576.6	6598.7
36°	6608.1	6639.9	6678.7
37°	6670.2	6702.5	6761.6
38°	6730.5	6762.8	6846.6
39°	6790.1	6822.8	6931.1
40°	6852.0	6888.4	7022.6
41°	6915.9	6960.7	7111.5
42°	6982.3	7040.3	7201.0
43°	7051.6	7123.1	7282.4
44°	7129.2	7212.7	7360.2



REPORT NUMBER: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7211.3	7301.3	7434.8
46°	7302.6	7394.6	7505.4
47°	7396.6	7495.3	7572.3
48°	7487.9	7600.3	7637.9
49°	7581.9	7708.1	7707.4
50°	7681.5	7822.7	7779.6
51°	7787.2	7937.0	7855.3
52°	7895.8	8057.4	7932.2
53°	8009.2	8176.3	8017.6
54°	8128.9	8296.1	8111.6
55°	8246.9	8412.0	8203.8
56°	8368.9	8525.3	8297.8
57°	8487.3	8634.6	8388.0
58°	8608.1	8733.0	8475.7
59°	8733.0	8820.8	8561.7
60°	8858.8	8904.3	8646.2
61°	8985.4	8990.4	8717.3
62°	9108.7	9069.0	8779.4
63°	9227.9	9128.6	8839.0
64°	9343.8	9172.5	8916.8
65°	9460.5	9232.9	8997.9
66°	9576.3	9309.0	9046.7
67°	9672.3	9361.1	9053.3
68°	9735.2	9365.3	9044.2
69°	9802.2	9317.3	8938.3
70°	9846.9	9203.9	8589.1
71°	9824.6	8930.0	7904.9
72°	9700.4	8391.3	7021.6
73°	9520.9	7627.1	6158.3
74°	9245.3	6761.2	5312.0
75°	8740.5	5810.8	4055.0
76°	8037.7	4613.0	2418.7
77°	7201.8	3061.9	1048.7
78°	6134.6	1514.5	800.8
79°	4638.0	681.4	569.0
80°	2705.5	505.1	337.3
81°	1278.9	350.8	307.0
82°	936.1	308.8	280.7
83°	626.0	276.0	254.4
84°	315.9	243.2	227.5
85°	254.0	210.5	199.6
86°	212.3	180.2	169.1
87°	175.2	152.1	138.9
88°	139.4	125.0	112.8
89°	97.5	97.2	92.7



REPORT NUMBER: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

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: P1436836

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)