

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: P1436794

Luminaire Tested: XAS300-SFPM (3000K-300W-T5-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436794
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 (3000K-300W-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 33140.1 lumens
Efficiency: 89.7%
Efficacy: 111.2 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

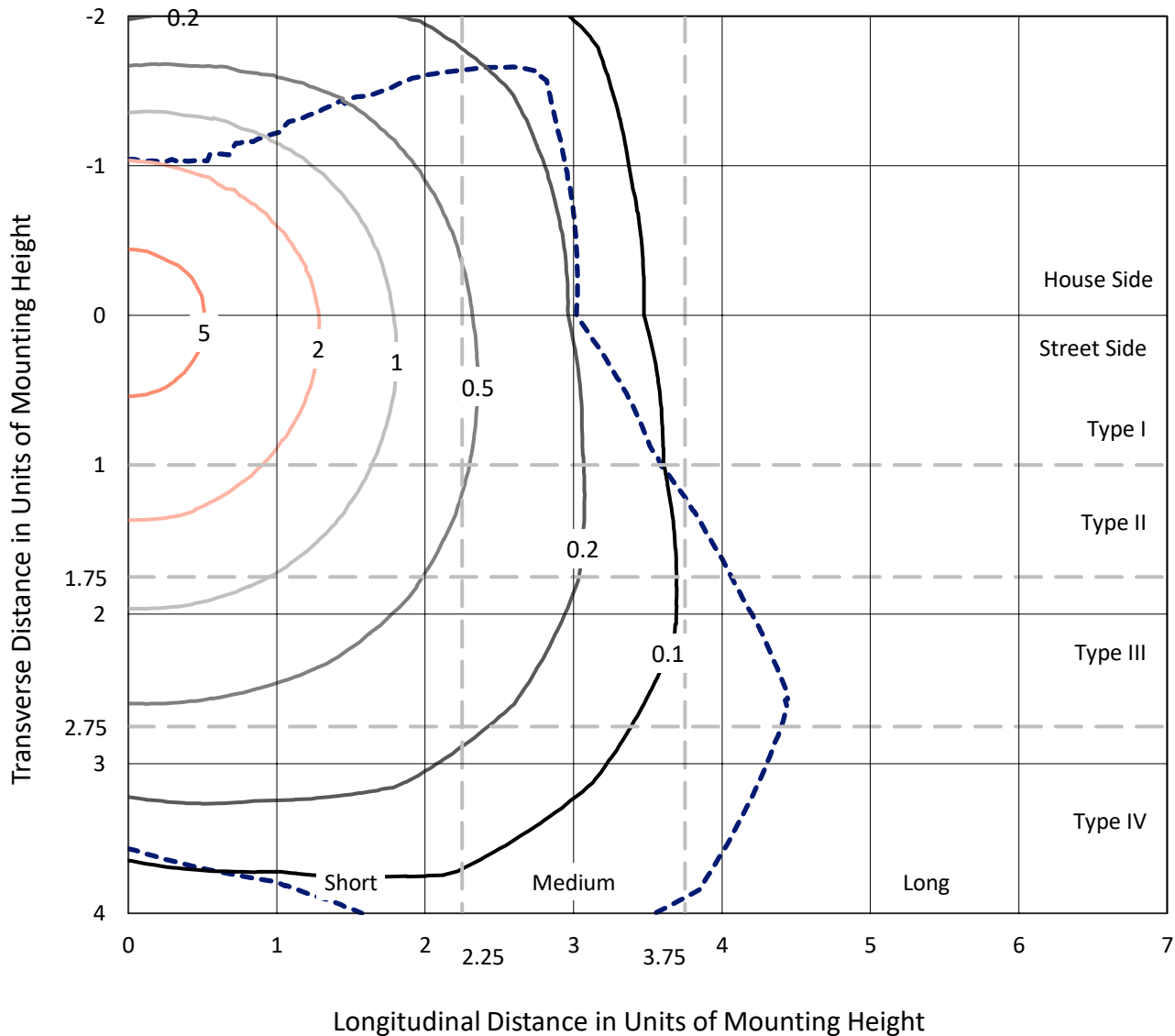
Input Watts (W): 298.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

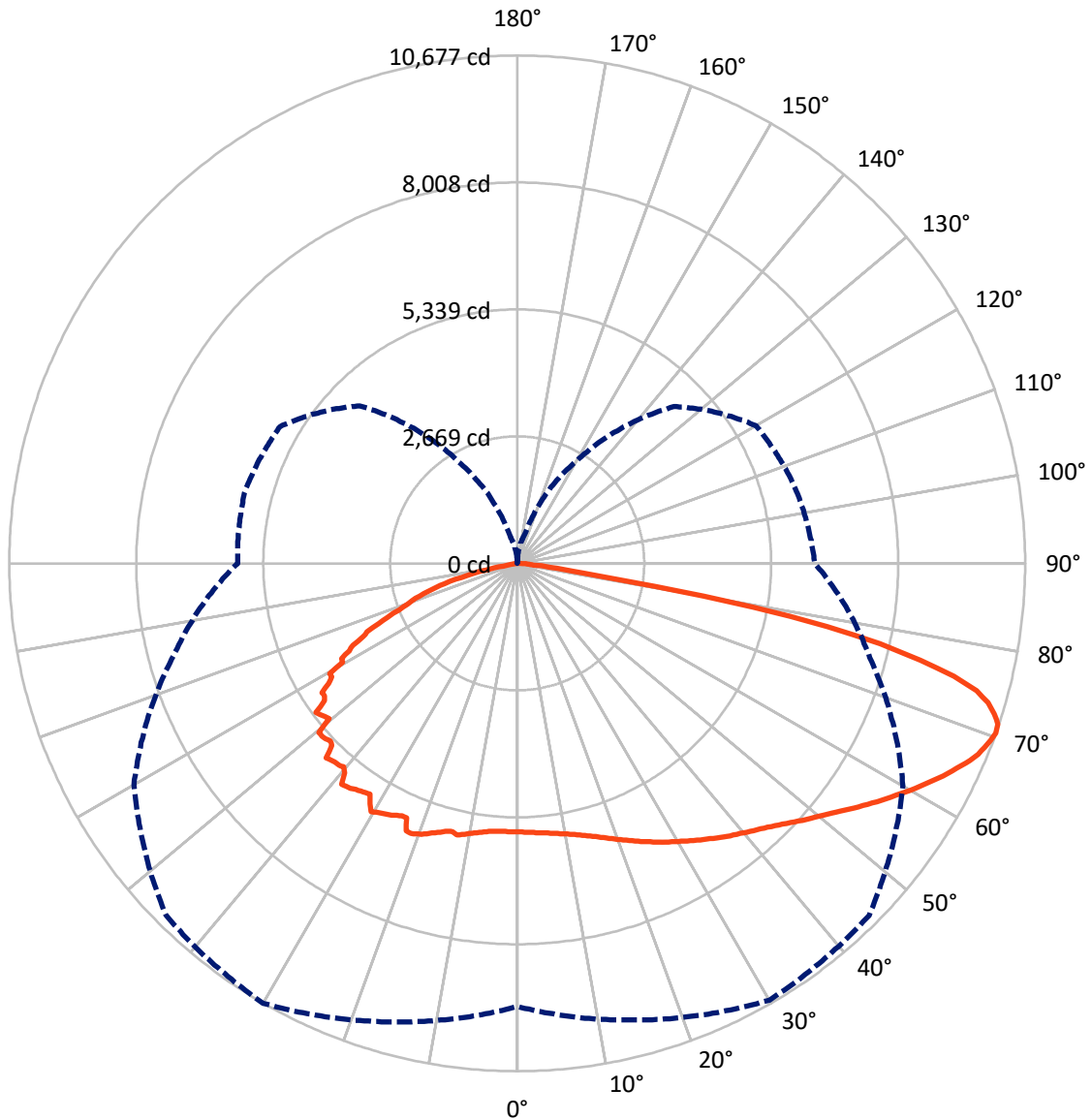
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 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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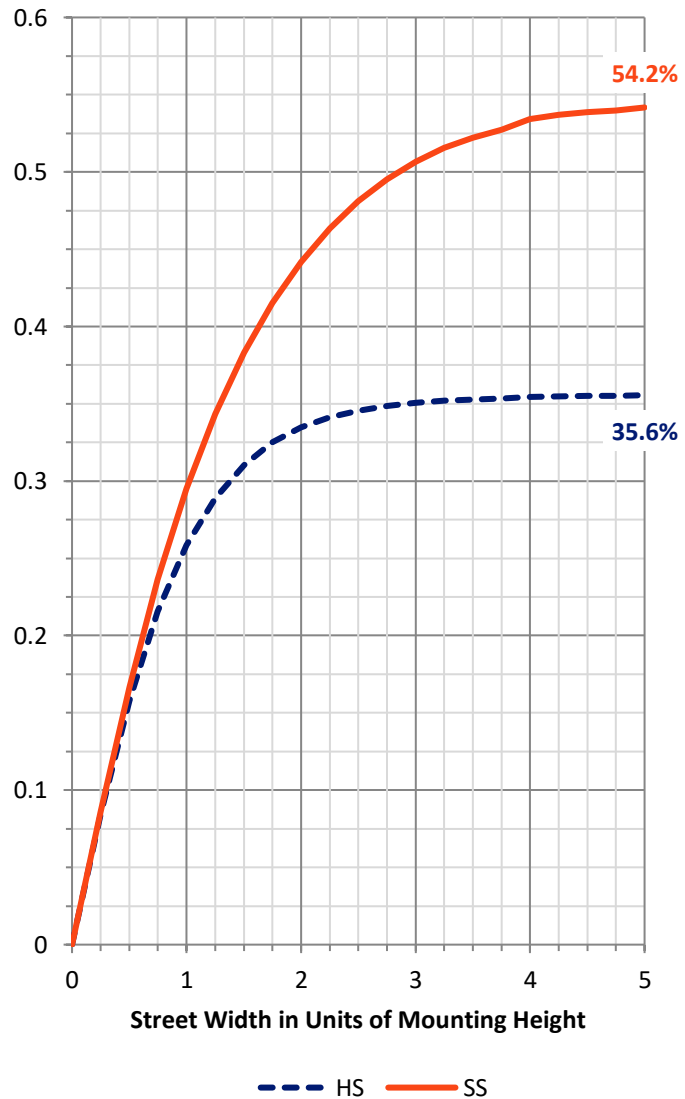
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13160.6	0.0	13160.6
	% Lamp	35.6	0.0	35.6
Street Side	Lumens	19979.5	0.0	19979.5
	% Lamp	54.1	0.0	54.1
Total	Lumens	33140.1	0.0	33140.1
	% Lamp	89.7	0.0	89.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	545.2	1.6	1.5
10°-20°	1685.2	5.1	4.6
20°-30°	2913.6	8.8	7.9
30°-40°	4175.3	12.6	11.3
40°-50°	5397.9	16.3	14.6
50°-60°	6495.8	19.6	17.6
60°-70°	6953.5	21.0	18.8
70°-80°	4675.9	14.1	12.7
80°-90°	297.7	0.9	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°	33140.1	100.0	89.7
0°-180°	33140.1	100.0	89.7

Coefficient of Utilization



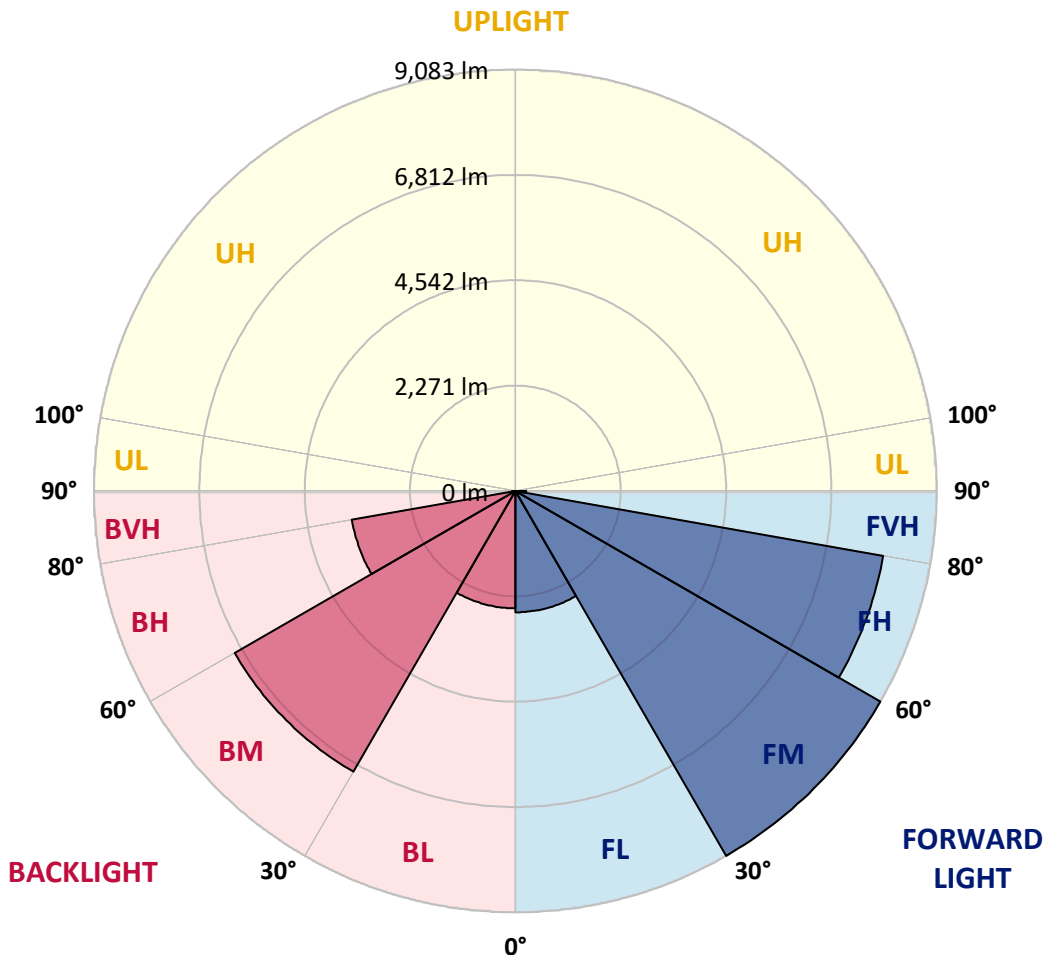
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2614.7	7.1			
FM (30°-60°)	9083.0	24.6			
FH (60°-80°)	8049.1	21.8			G4/12000
FVH (80°-90°)	232.7	0.6			G3/500
BL (0°-30°)	2529.3	6.8	B4/5000		
BM (30°-60°)	6986.0	18.9	B4/8500		
BH (60°-80°)	3580.2	9.7	B4/5000		G4/5000
BVH (80°-90°)	65.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	3791.9	10.3			

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°	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0
1°	5651.2	5651.7	5650.0	5651.4	5650.5	5648.7	5646.1	5644.3	5643.1	5643.4	5643.1
2°	5657.6	5657.3	5655.6	5655.9	5653.5	5651.1	5647.7	5645.0	5642.2	5641.9	5642.2
3°	5666.4	5665.1	5662.5	5662.1	5660.1	5658.2	5652.1	5648.2	5644.6	5642.9	5642.8
4°	5675.9	5673.7	5671.9	5672.8	5670.0	5669.2	5662.2	5655.4	5650.1	5647.1	5646.0
5°	5687.1	5684.8	5684.5	5685.6	5686.0	5685.6	5677.1	5668.4	5659.0	5653.9	5652.0
6°	5699.7	5697.8	5697.9	5702.4	5704.8	5702.4	5693.5	5684.5	5671.1	5662.1	5659.7
7°	5714.6	5712.6	5713.5	5721.3	5723.8	5720.5	5710.9	5701.2	5687.0	5675.6	5677.1
8°	5731.1	5730.0	5732.8	5741.9	5744.6	5742.4	5732.0	5720.3	5705.3	5696.2	5700.2
9°	5750.4	5749.5	5755.2	5764.1	5769.8	5766.2	5754.8	5739.7	5724.7	5722.8	5725.3
10°	5773.4	5772.2	5778.9	5789.6	5796.1	5791.2	5778.0	5760.5	5745.3	5753.2	5754.3
11°	5800.1	5798.0	5805.5	5818.8	5824.1	5818.7	5804.1	5784.5	5771.6	5784.3	5783.2
12°	5828.3	5825.5	5835.3	5849.2	5854.0	5849.0	5822.9	5802.2	5804.3	5818.2	5815.6
13°	5860.8	5856.1	5866.3	5883.3	5886.3	5868.8	5840.1	5818.2	5825.1	5852.5	5849.2
14°	5896.9	5890.7	5899.7	5918.0	5922.3	5893.3	5864.7	5837.1	5850.3	5888.5	5803.5
15°	5936.2	5929.3	5937.1	5954.5	5949.7	5921.9	5893.6	5864.7	5874.6	5914.3	5814.7
16°	5977.9	5970.4	5979.5	5995.0	5981.7	5954.6	5935.1	5902.7	5906.6	5929.3	5855.6
17°	6020.4	6011.4	6023.1	6036.7	6017.4	5997.5	5968.4	5933.3	5943.5	5898.1	5897.9
18°	6066.0	6056.4	6068.4	6085.2	6049.6	6039.1	6009.0	5969.9	5977.2	5912.1	5943.8
19°	6111.2	6102.4	6116.2	6130.3	6089.8	6079.6	6058.4	6020.7	6018.7	5952.3	5993.1
20°	6158.7	6149.5	6166.2	6169.8	6135.5	6122.8	6112.7	6073.3	6069.6	5986.8	6039.9
21°	6206.1	6198.6	6217.7	6214.5	6183.7	6177.7	6166.9	6119.3	6118.9	6025.6	6072.3
22°	6254.5	6249.7	6271.0	6262.7	6228.4	6235.4	6208.7	6147.3	6147.8	6076.9	6099.7
23°	6307.9	6304.6	6326.3	6311.6	6281.4	6293.5	6234.3	6180.1	6138.2	6126.9	6087.6
24°	6361.1	6361.8	6381.7	6359.7	6332.2	6339.2	6265.3	6236.6	6158.5	6164.0	5836.2
25°	6418.3	6421.0	6439.5	6412.9	6388.9	6376.3	6315.0	6270.8	6197.7	6200.9	5835.9
26°	6477.0	6481.0	6498.5	6464.2	6447.1	6413.2	6359.9	6312.4	6231.9	6245.9	5871.8
27°	6539.3	6546.1	6560.8	6524.3	6505.1	6454.4	6395.0	6368.5	6285.0	6270.2	5912.5
28°	6605.5	6613.8	6624.1	6579.9	6561.6	6511.5	6444.4	6423.4	6337.0	6156.0	5944.7
29°	6674.7	6680.7	6686.2	6633.5	6612.8	6570.6	6506.5	6466.8	6364.9	6020.5	5978.8
30°	6747.6	6748.4	6743.9	6687.5	6663.3	6614.4	6571.1	6497.3	6390.0	6041.4	6015.0
31°	6821.8	6816.0	6800.5	6750.6	6702.4	6665.2	6625.9	6540.5	6437.2	6048.0	6056.6
32°	6900.1	6885.1	6862.5	6808.8	6747.9	6717.7	6660.3	6590.6	6486.5	6074.6	5925.2
33°	6984.0	6954.8	6923.7	6866.2	6795.4	6777.1	6703.5	6640.7	6505.9	6116.8	5755.4
34°	7068.0	7023.8	6983.4	6930.1	6853.8	6836.2	6759.9	6668.6	6542.8	6162.8	5780.9
35°	7155.3	7095.6	7048.3	6996.4	6913.2	6892.2	6820.2	6711.0	6572.5	6200.5	5805.4
36°	7242.0	7163.4	7110.1	7060.6	6969.7	6935.3	6883.6	6756.9	6603.1	6220.1	5840.9
37°	7331.9	7229.7	7173.0	7124.7	7019.7	6967.3	6930.6	6791.7	6606.7	6227.6	5888.5
38°	7424.0	7294.4	7233.4	7191.2	7076.5	7010.7	6987.9	6832.7	6474.8	6056.8	5911.9
39°	7515.7	7359.8	7297.9	7250.2	7127.6	7063.0	7062.8	6862.8	6373.2	5984.8	5929.2
40°	7614.9	7429.1	7358.7	7308.8	7190.1	7123.4	7132.6	6905.8	6421.0	6035.9	5703.3
41°	7711.3	7505.1	7422.2	7372.6	7259.9	7189.6	7197.2	6925.5	6476.0	6081.6	5621.6
42°	7808.4	7589.1	7495.1	7430.8	7332.5	7258.6	7261.3	6942.9	6529.4	6074.6	5662.7
43°	7896.7	7679.1	7572.5	7498.2	7406.7	7309.2	7316.9	6993.9	6508.2	6092.6	5667.7
44°	7981.0	7773.6	7653.5	7568.4	7482.3	7374.7	7371.8	7034.8	6514.0	6136.9	5698.1



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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8061.9	7870.0	7735.2	7640.3	7548.8	7445.2	7430.9	7104.2	6558.3	6167.5	5728.6
46°	8138.4	7969.3	7822.4	7723.4	7617.5	7529.0	7473.8	7110.5	6609.9	5985.7	5465.0
47°	8210.9	8072.7	7915.5	7813.1	7694.0	7605.3	7516.2	7089.2	6622.9	5885.2	5417.5
48°	8282.1	8183.9	8013.0	7908.1	7772.2	7679.1	7577.5	7129.0	6629.2	5917.9	5463.1
49°	8357.4	8300.7	8117.5	8004.4	7859.5	7760.5	7634.8	7187.1	6489.5	5976.9	5480.1
50°	8435.8	8423.1	8223.3	8093.4	7951.3	7839.9	7690.7	7223.5	6471.7	6003.5	5478.2
51°	8517.8	8546.7	8333.6	8189.0	8044.6	7912.4	7737.9	7246.1	6494.5	6015.1	5126.8
52°	8601.3	8675.6	8447.9	8294.5	8144.6	7987.7	7735.9	7285.0	6516.7	5799.6	5168.4
53°	8693.9	8806.2	8562.8	8403.2	8240.3	8059.2	7688.7	7306.8	6583.2	5773.8	5223.4
54°	8795.8	8935.6	8690.2	8517.4	8324.4	8123.5	7677.2	7305.9	6585.8	5800.7	5266.0
55°	8895.8	9062.2	8821.5	8639.3	8412.2	8174.3	7697.6	7305.8	6584.8	5816.8	4972.7
56°	8997.6	9185.1	8955.3	8770.0	8503.6	8232.0	7728.6	7291.2	6548.6	5739.9	4911.0
57°	9095.4	9303.6	9090.9	8898.5	8600.1	8298.7	7745.1	7283.0	6406.1	5548.6	4924.2
58°	9190.5	9413.1	9228.2	9034.4	8694.8	8360.3	7741.4	7205.4	6426.0	5617.7	4702.1
59°	9283.9	9512.7	9366.4	9167.2	8786.5	8410.7	7733.2	7207.9	6417.0	5689.8	4570.1
60°	9375.4	9606.9	9501.9	9303.6	8872.0	8454.3	7730.2	7149.1	6390.8	5664.5	4573.8
61°	9452.6	9687.7	9640.1	9432.8	8959.4	8478.0	7707.1	7088.4	6333.6	5472.8	4219.2
62°	9519.9	9758.5	9775.6	9556.6	9047.9	8461.6	7650.7	7014.6	6256.7	5448.8	4202.5
63°	9584.5	9822.3	9909.3	9684.1	9127.7	8391.5	7584.1	6933.6	6232.1	5366.1	3982.7
64°	9668.8	9883.3	10046.6	9818.7	9188.7	8327.1	7499.3	6856.0	6162.3	5254.3	3860.9
65°	9756.8	9958.7	10174.0	9956.9	9256.0	8275.7	7416.9	6763.3	6019.2	5206.3	3581.4
66°	9809.7	10038.5	10287.1	10079.8	9320.6	8247.5	7305.8	6685.4	6041.1	5057.0	3474.6
67°	9816.9	10096.8	10384.0	10197.3	9360.1	8203.1	7172.5	6564.0	6078.3	4978.3	3177.6
68°	9807.0	10105.8	10480.0	10309.5	9388.8	8114.4	6958.6	6437.3	6107.8	4871.6	2953.0
69°	9692.1	10064.5	10561.7	10401.0	9387.9	7963.0	6706.7	6282.4	5948.5	4770.2	2667.1
70°	9313.5	9938.0	10600.3	10462.1	9361.0	7676.6	6255.4	6057.3	5791.7	4660.5	2474.4
71°	8571.6	9611.4	10567.9	10477.3	9297.3	7288.1	5668.3	5730.2	5666.0	4513.0	2353.0
72°	7613.8	9006.6	10458.5	10436.9	9199.5	6789.6	5115.8	5329.5	5507.7	4344.3	2163.6
73°	6677.7	8176.2	10259.3	10349.0	9028.1	6246.3	4639.3	4874.6	5263.5	4162.5	1973.4
74°	5760.0	7265.7	9954.2	10180.3	8758.6	5706.0	4216.0	4400.2	5011.5	3948.6	1783.2
75°	4397.0	6248.3	9495.6	9871.6	8444.9	5164.3	3710.9	3926.8	4728.5	3688.9	1591.4
76°	2622.6	4931.0	8786.0	9400.5	7985.1	4435.4	2734.4	3469.4	4384.7	3342.3	1335.9
77°	1137.1	3124.9	7850.3	8677.8	7381.6	3342.1	1757.8	2630.1	3994.0	2891.0	1086.8
78°	868.3	1459.5	6698.0	7618.1	6549.8	1997.6	795.4	1790.7	3527.2	2328.0	797.9
79°	617.0	1093.4	5125.9	6268.5	5317.7	855.4	293.3	951.4	2878.8	1764.9	482.6
80°	365.7	731.1	3136.7	4588.3	3742.3	639.7	247.4	678.9	1982.7	1201.8	296.3
81°	332.9	368.8	1506.5	2824.5	2040.7	429.0	201.4	406.4	1086.8	673.1	111.2
82°	304.4	328.6	1098.6	1251.2	859.9	218.3	155.8	142.3	764.9	394.5	66.2
83°	275.8	293.2	720.8	939.2	575.7	188.6	133.9	121.2	442.9	119.0	46.2
84°	246.7	259.1	343.1	643.5	293.3	161.2	113.3	101.8	123.8	95.9	35.7
85°	216.4	226.4	277.4	347.9	232.9	135.5	92.9	82.5	97.6	79.9	27.9
86°	183.4	194.4	229.4	290.6	187.2	110.8	72.8	64.9	75.2	65.0	23.3
87°	150.6	164.7	189.9	228.4	150.9	88.4	52.8	49.4	57.7	49.1	18.8
88°	122.3	135.9	152.0	159.6	117.2	67.9	37.7	38.3	42.8	35.0	14.2
89°	100.5	106.2	108.8	94.1	90.3	47.4	22.6	27.1	30.4	20.8	9.9



REPORT NUMBER: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0	5647.0
1°	5642.8	5644.3	5645.5	5646.8	5648.8	5649.7	5651.9	5650.8	5650.8	5651.7	5653.2
2°	5641.3	5644.0	5645.8	5648.6	5651.9	5654.8	5656.6	5658.6	5658.4	5659.5	5660.0
3°	5643.1	5645.3	5649.1	5652.4	5657.1	5661.1	5664.7	5668.6	5669.2	5670.0	5668.8
4°	5645.9	5649.5	5653.0	5657.6	5664.2	5671.4	5677.3	5681.8	5683.2	5683.7	5681.0
5°	5650.1	5653.3	5658.2	5665.5	5673.7	5683.6	5691.5	5696.9	5698.7	5698.8	5696.2
6°	5662.4	5667.4	5671.9	5674.6	5687.1	5698.6	5707.3	5715.1	5716.0	5715.7	5711.1
7°	5682.5	5687.9	5692.0	5694.9	5701.4	5715.5	5726.0	5735.5	5736.8	5735.2	5729.3
8°	5703.9	5708.4	5712.5	5718.7	5723.1	5735.2	5747.0	5757.1	5760.3	5759.5	5750.9
9°	5727.5	5731.0	5736.8	5745.8	5750.2	5756.2	5768.4	5779.6	5784.5	5784.4	5773.7
10°	5750.9	5754.5	5761.0	5774.4	5780.6	5779.3	5793.9	5807.3	5811.0	5810.4	5799.4
11°	5780.5	5783.9	5789.1	5804.2	5814.4	5809.6	5823.7	5840.2	5844.0	5841.1	5829.7
12°	5787.3	5751.0	5801.6	5837.6	5851.9	5847.7	5842.5	5862.2	5879.9	5876.9	5862.9
13°	5733.4	5736.7	5743.5	5872.5	5889.8	5872.2	5868.3	5889.1	5907.2	5918.8	5899.5
14°	5767.1	5773.7	5780.7	5835.9	5930.9	5902.8	5894.5	5917.2	5936.8	5955.4	5938.9
15°	5808.5	5811.8	5819.6	5840.8	5960.5	5934.2	5928.4	5953.4	5969.9	5989.1	5982.6
16°	5850.5	5854.7	5861.9	5885.1	5992.9	5975.5	5962.3	5994.4	6009.9	6025.7	6030.1
17°	5895.2	5899.2	5908.7	5932.6	5970.9	6009.9	6000.0	6036.8	6058.1	6063.1	6078.3
18°	5940.7	5937.3	5953.5	5981.6	5980.0	6051.6	6047.7	6084.0	6100.6	6108.6	6123.8
19°	5981.4	5976.4	5996.4	6032.8	6017.6	6104.7	6100.8	6140.0	6148.8	6158.2	6163.6
20°	6020.8	5996.7	6037.6	6082.7	6058.0	6159.3	6150.5	6195.9	6204.2	6211.6	6211.0
21°	5932.1	5722.3	5954.5	6113.5	6109.8	6204.8	6196.7	6244.6	6265.1	6256.6	6262.3
22°	5738.1	5728.2	5764.9	6145.5	6165.2	6238.7	6228.7	6285.7	6325.4	6311.4	6310.3
23°	5773.5	5765.7	5804.2	6148.6	6210.7	6238.6	6277.0	6315.7	6380.0	6364.0	6364.5
24°	5811.2	5806.6	5845.2	5905.0	6255.8	6266.9	6337.8	6365.1	6431.6	6425.4	6418.6
25°	5855.7	5854.7	5892.3	5910.8	6296.4	6301.1	6375.9	6422.1	6470.6	6488.2	6473.5
26°	5906.3	5903.2	5946.3	5955.4	6347.2	6343.0	6423.0	6460.4	6512.2	6549.2	6530.4
27°	5952.1	5951.1	5995.9	5995.8	6368.1	6399.9	6485.7	6505.3	6573.6	6606.6	6582.4
28°	6001.7	5952.8	6043.0	6031.5	6264.3	6451.2	6542.2	6568.7	6639.2	6660.0	6637.2
29°	5940.8	5650.9	5970.4	6066.2	6131.3	6476.3	6579.8	6636.4	6692.3	6713.7	6698.4
30°	5681.1	5690.8	5726.5	6111.5	6147.6	6510.0	6621.4	6697.4	6744.7	6760.1	6756.9
31°	5717.9	5737.5	5768.3	6153.6	6160.3	6559.1	6673.0	6743.1	6800.7	6805.9	6815.7
32°	5756.7	5792.6	5809.6	6005.9	6196.9	6609.8	6729.2	6787.6	6862.8	6854.7	6885.2
33°	5801.1	5848.8	5857.6	5848.0	6245.7	6630.2	6781.7	6837.6	6920.2	6918.6	6954.1
34°	5847.5	5901.2	5901.8	5875.1	6295.4	6668.6	6810.4	6895.9	6973.8	6979.7	7023.4
35°	5888.6	5948.8	5942.9	5900.3	6326.9	6696.5	6854.7	6959.8	7013.5	7040.2	7092.1
36°	5922.1	5613.7	5973.3	5941.6	6342.4	6723.2	6890.0	7013.0	7043.6	7086.5	7155.9
37°	5570.9	5586.8	5610.6	5985.7	6342.7	6724.2	6926.1	7064.2	7087.1	7141.8	7218.3
38°	5528.8	5639.1	5585.1	6002.0	6170.2	6596.2	6963.8	7132.3	7134.8	7193.1	7282.0
39°	5565.9	5697.9	5622.0	6028.8	6108.8	6508.7	6991.2	7202.6	7190.5	7257.9	7344.4
40°	5611.1	5756.5	5662.9	5801.2	6162.8	6561.9	7035.8	7268.6	7253.8	7326.9	7402.5
41°	5637.0	5771.0	5689.1	5732.2	6196.7	6618.0	7048.4	7345.5	7322.8	7396.7	7461.4
42°	5623.1	5353.1	5691.4	5764.9	6187.0	6654.6	7071.2	7415.9	7386.7	7465.0	7528.2
43°	5261.5	5383.9	5323.9	5768.1	6217.7	6621.0	7127.5	7475.1	7456.8	7534.6	7595.6
44°	5298.3	5421.5	5364.6	5798.2	6261.6	6640.6	7179.0	7535.9	7534.2	7595.9	7674.4

REPORT NUMBER: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5350.6	5452.4	5414.5	5825.6	6298.3	6694.6	7246.0	7588.7	7616.4	7666.2	7764.3
46°	5380.1	5342.4	5437.1	5537.3	6107.2	6739.1	7225.1	7629.3	7690.2	7750.4	7859.3
47°	5298.1	4965.1	5358.3	5527.0	6021.7	6766.8	7220.4	7684.7	7765.1	7835.7	7953.7
48°	4966.9	4987.5	5037.8	5565.4	6062.0	6758.7	7273.4	7742.9	7851.0	7926.4	8044.0
49°	5017.3	5014.3	5087.0	5583.4	6123.1	6620.1	7343.4	7794.9	7936.1	8016.9	8134.6
50°	5068.8	5033.4	5139.1	5575.2	6136.5	6632.1	7379.4	7841.1	8009.3	8107.5	8229.9
51°	5117.1	4537.2	5178.0	5239.5	6151.8	6655.7	7402.1	7863.3	8085.5	8204.0	8334.9
52°	4684.9	4550.0	4735.7	5289.2	5911.1	6688.3	7453.9	7819.9	8160.8	8297.7	8437.0
53°	4668.5	4568.3	4736.1	5344.5	5920.3	6749.0	7463.6	7794.3	8230.8	8381.7	8552.2
54°	4680.4	4206.5	4738.4	5396.1	5953.1	6748.3	7467.3	7808.5	8281.9	8468.4	8672.9
55°	4352.5	4017.1	4407.4	5049.6	5967.3	6744.5	7461.9	7838.3	8334.2	8549.0	8796.3
56°	4185.5	4017.8	4253.3	5022.6	5848.5	6698.7	7437.0	7863.3	8391.6	8637.8	8923.9
57°	4188.4	3593.7	4262.2	5043.1	5724.5	6578.7	7416.7	7857.7	8442.5	8727.2	9048.8
58°	3781.8	3476.3	3830.0	4786.3	5790.9	6592.2	7332.8	7841.0	8483.9	8804.0	9173.5
59°	3686.1	3452.2	3753.1	4691.2	5858.4	6575.3	7333.8	7830.3	8519.4	8881.0	9292.8
60°	3582.4	2892.0	3617.6	4692.3	5783.3	6538.6	7243.7	7813.7	8537.4	8968.2	9409.5
61°	3171.6	2870.2	3235.7	4331.4	5616.8	6461.6	7181.2	7763.6	8516.9	9050.5	9532.4
62°	3083.3	2308.4	3113.2	4323.5	5590.8	6390.7	7090.9	7712.4	8446.5	9117.8	9665.2
63°	2631.1	1996.8	2687.2	4045.2	5484.5	6358.8	6994.9	7611.6	8385.2	9178.9	9798.0
64°	2346.1	1685.1	2371.2	3962.9	5383.9	6266.8	6909.3	7535.8	8336.2	9244.4	9920.1
65°	2040.9	1374.0	2051.1	3654.5	5319.9	6140.1	6805.1	7420.4	8299.4	9307.2	10036.7
66°	1735.8	1091.3	1731.1	3551.4	5168.1	6166.7	6695.8	7279.8	8259.2	9353.8	10146.2
67°	1428.7	725.7	1409.7	3262.1	5084.7	6187.5	6537.4	7084.3	8177.4	9384.4	10251.2
68°	1062.6	360.1	1018.2	2982.9	4944.8	6170.1	6385.0	6865.3	8038.8	9396.0	10347.2
69°	744.5	0.7	699.2	2665.1	4813.8	5944.1	6197.3	6460.9	7811.8	9368.2	10419.0
70°	666.6	0.5	598.3	2468.4	4680.6	5754.1	5919.9	5877.2	7475.4	9303.6	10451.3
71°	582.4	0.5	509.3	2334.9	4516.6	5584.6	5524.8	5271.4	6972.7	9206.7	10446.8
72°	490.4	0.5	411.4	2116.7	4325.2	5384.7	5073.1	4757.8	6387.0	9061.3	10403.7
73°	396.2	0.5	311.6	1876.5	4100.6	5111.4	4603.8	4357.5	5812.0	8806.4	10281.7
74°	312.9	0.6	223.1	1636.4	3822.7	4837.5	4149.2	3855.1	5252.7	8461.6	10052.9
75°	227.1	0.7	135.4	1395.7	3526.9	4526.5	3631.5	3019.9	4631.3	8012.3	9711.0
76°	141.3	0.8	77.0	1122.2	3123.7	4116.7	3005.5	1927.4	3727.2	7438.0	9207.6
77°	67.9	1.0	35.4	864.8	2581.7	3638.7	2431.3	890.8	2522.1	6738.0	8435.5
78°	50.2	1.2	28.2	582.2	1996.8	3044.9	1857.1	645.5	1236.1	5787.7	7228.0
79°	32.5	1.4	21.0	414.8	1411.9	2225.4	1282.9	420.6	889.6	4510.0	5666.7
80°	15.1	1.6	13.7	247.4	833.6	1405.9	708.7	195.6	564.4	2891.0	3981.2
81°	13.2	1.9	12.2	80.5	591.2	598.1	154.6	167.4	239.2	1377.1	2225.4
82°	11.7	2.2	11.0	54.4	348.7	370.8	132.8	145.9	208.4	1000.8	866.5
83°	10.6	2.5	10.1	43.5	110.2	144.8	113.3	124.6	180.9	636.4	671.0
84°	9.6	2.8	9.2	34.1	94.0	114.2	94.8	104.2	154.2	272.1	503.7
85°	8.7	3.1	8.4	26.3	79.2	90.8	77.0	83.3	128.8	215.0	336.5
86°	7.8	3.4	7.6	21.9	64.0	70.7	60.4	62.5	104.8	173.8	277.5
87°	7.1	3.7	6.9	17.5	47.5	53.5	45.8	41.6	84.5	139.0	213.4
88°	6.6	4.1	6.4	13.1	33.7	37.8	32.3	24.1	62.6	105.2	142.9
89°	5.8	4.4	5.9	9.5	20.0	22.1	18.9	10.3	40.7	82.1	82.8



REPORT NUMBER: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5647.0	5647.0	5647.0
1°	5652.0	5652.4	5651.2
2°	5658.8	5658.3	5657.6
3°	5668.1	5666.6	5666.4
4°	5679.3	5676.6	5675.9
5°	5691.9	5688.4	5687.1
6°	5706.0	5700.4	5699.7
7°	5722.2	5716.1	5714.6
8°	5741.5	5733.8	5731.1
9°	5762.9	5753.9	5750.4
10°	5786.9	5776.5	5773.4
11°	5814.6	5802.3	5800.1
12°	5845.2	5830.7	5828.3
13°	5878.5	5862.9	5860.8
14°	5914.1	5900.3	5896.9
15°	5955.1	5939.5	5936.2
16°	5999.1	5981.5	5977.9
17°	6046.9	6027.1	6020.4
18°	6095.7	6072.0	6066.0
19°	6146.8	6120.2	6111.2
20°	6199.4	6168.0	6158.7
21°	6254.4	6219.9	6206.1
22°	6310.7	6272.9	6254.5
23°	6369.6	6330.2	6307.9
24°	6426.6	6389.0	6361.1
25°	6484.8	6452.1	6418.3
26°	6546.0	6517.4	6477.0
27°	6608.1	6580.9	6539.3
28°	6665.5	6647.8	6605.5
29°	6721.3	6713.6	6674.7
30°	6782.1	6781.3	6747.6
31°	6843.6	6850.5	6821.8
32°	6904.7	6918.3	6900.1
33°	6970.7	6988.2	6984.0
34°	7034.2	7059.7	7068.0
35°	7098.7	7131.3	7155.3
36°	7165.4	7200.0	7242.0
37°	7232.8	7267.8	7331.9
38°	7298.1	7333.1	7424.0
39°	7362.7	7398.3	7515.7
40°	7430.0	7469.4	7614.9
41°	7499.2	7547.8	7711.3
42°	7571.2	7634.1	7808.4
43°	7646.4	7723.9	7896.7
44°	7730.5	7821.0	7981.0



REPORT NUMBER: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7819.5	7917.1	8061.9
46°	7918.6	8018.3	8138.4
47°	8020.5	8127.5	8210.9
48°	8119.5	8241.3	8282.1
49°	8221.3	8358.2	8357.4
50°	8329.4	8482.4	8435.8
51°	8443.9	8606.5	8517.8
52°	8561.8	8737.0	8601.3
53°	8684.7	8865.9	8693.9
54°	8814.5	8995.8	8795.8
55°	8942.5	9121.4	8895.8
56°	9074.8	9244.4	8997.6
57°	9203.1	9362.8	9095.4
58°	9334.1	9469.6	9190.5
59°	9469.6	9564.7	9283.9
60°	9606.0	9655.4	9375.4
61°	9743.3	9748.7	9452.6
62°	9877.0	9833.9	9519.9
63°	10006.2	9898.5	9584.5
64°	10131.8	9946.1	9668.8
65°	10258.4	10011.6	9756.8
66°	10384.0	10094.2	9809.7
67°	10488.1	10150.7	9816.9
68°	10556.3	10155.2	9807.0
69°	10629.0	10103.1	9692.1
70°	10677.4	9980.2	9313.5
71°	10653.2	9683.2	8571.6
72°	10518.6	9099.0	7613.8
73°	10323.9	8270.4	6677.7
74°	10025.1	7331.4	5760.0
75°	9477.7	6300.9	4397.0
76°	8715.7	5002.1	2622.6
77°	7809.3	3320.1	1137.1
78°	6652.1	1642.2	868.3
79°	5029.1	738.9	617.0
80°	2933.7	547.7	365.7
81°	1386.7	380.4	332.9
82°	1015.1	334.8	304.4
83°	678.8	299.3	275.8
84°	342.6	263.7	246.7
85°	275.4	228.3	216.4
86°	230.2	195.4	183.4
87°	190.0	164.9	150.6
88°	151.1	135.5	122.3
89°	105.8	105.4	100.5



REPORT NUMBER: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436794

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)