

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: P1436816

Luminaire Tested: XAS300-SFPM (4000K-300W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436816
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-300W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

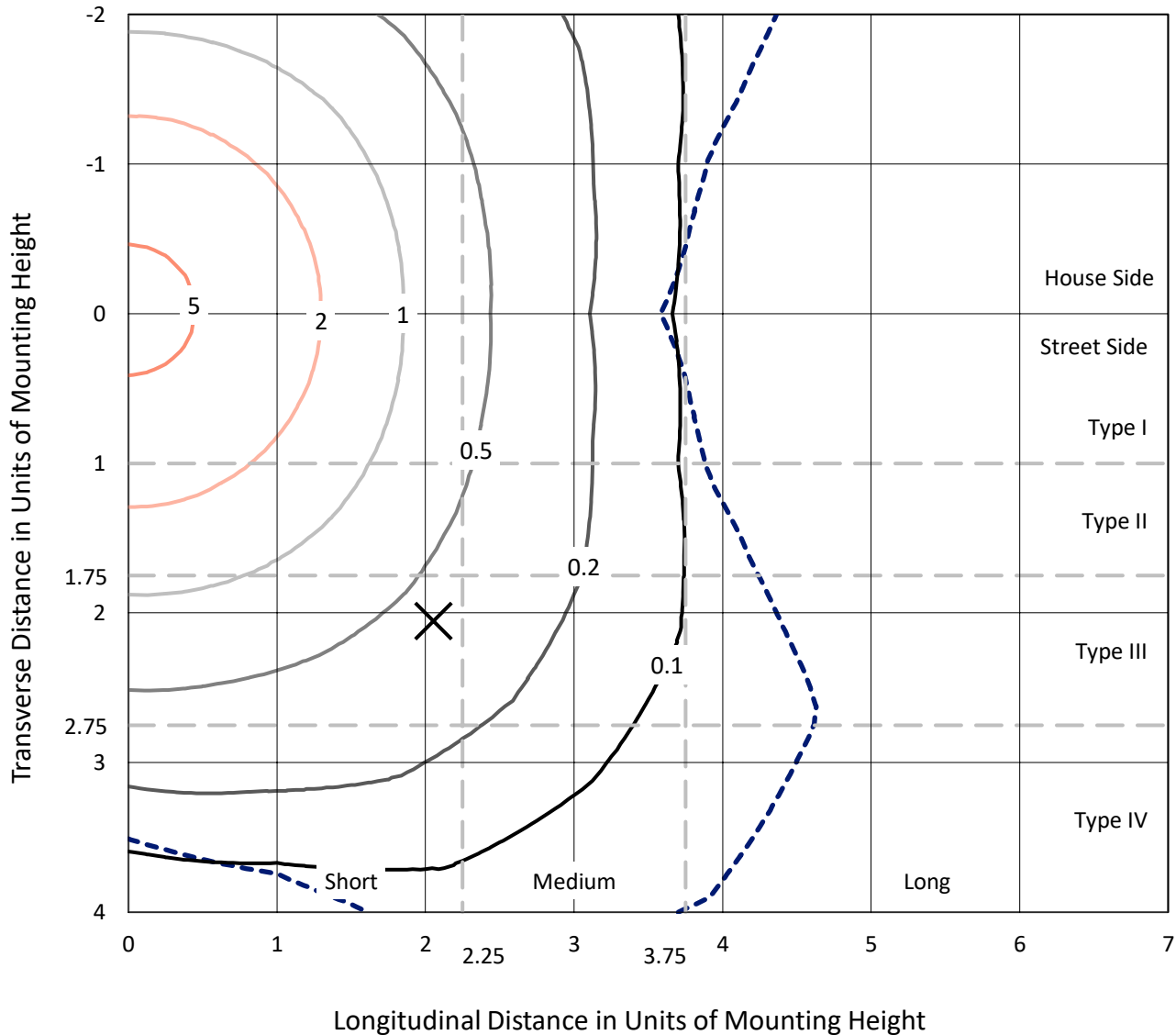
Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 38114.3 lumens
Efficiency: 83.7%
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 279.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

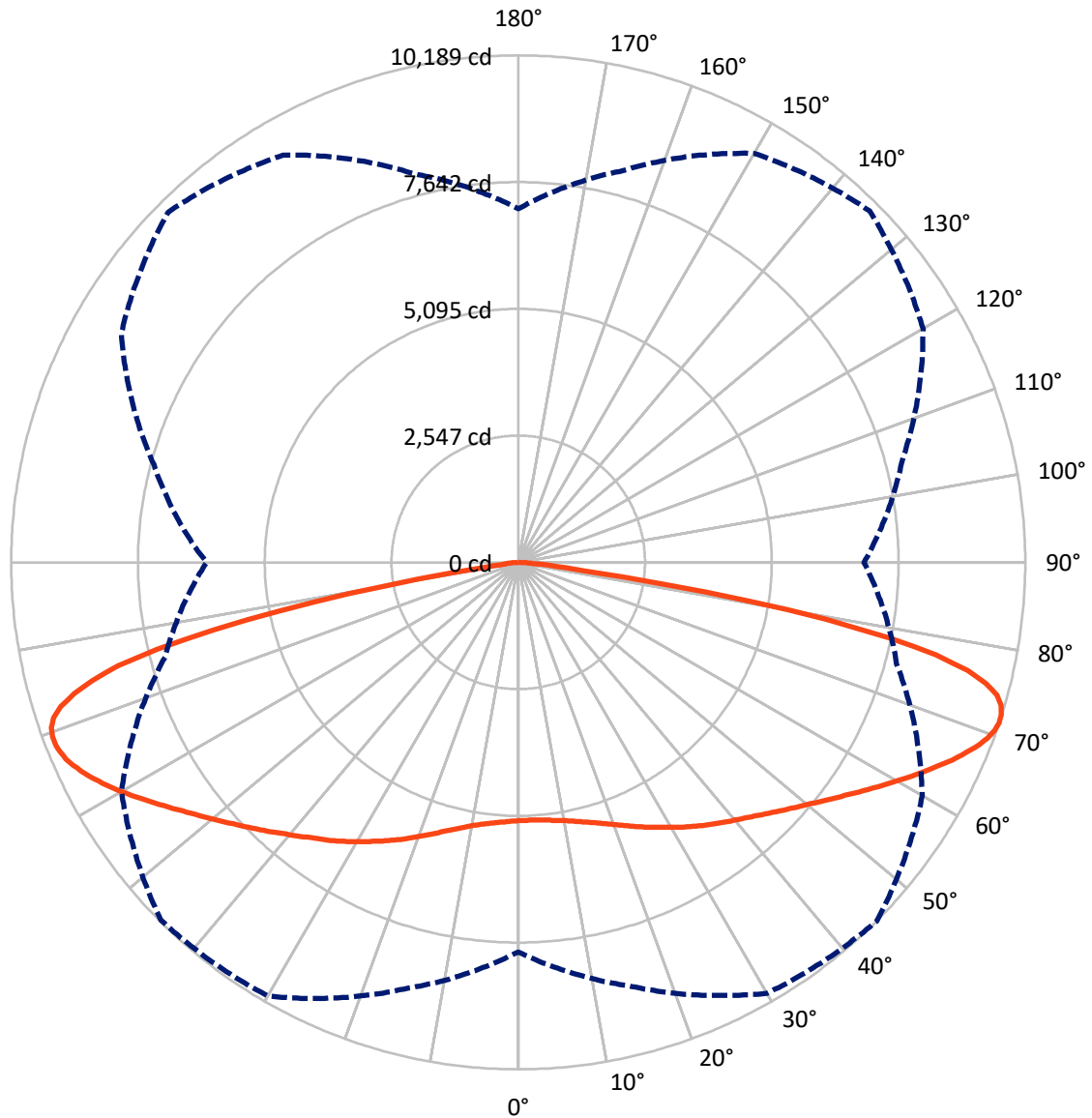
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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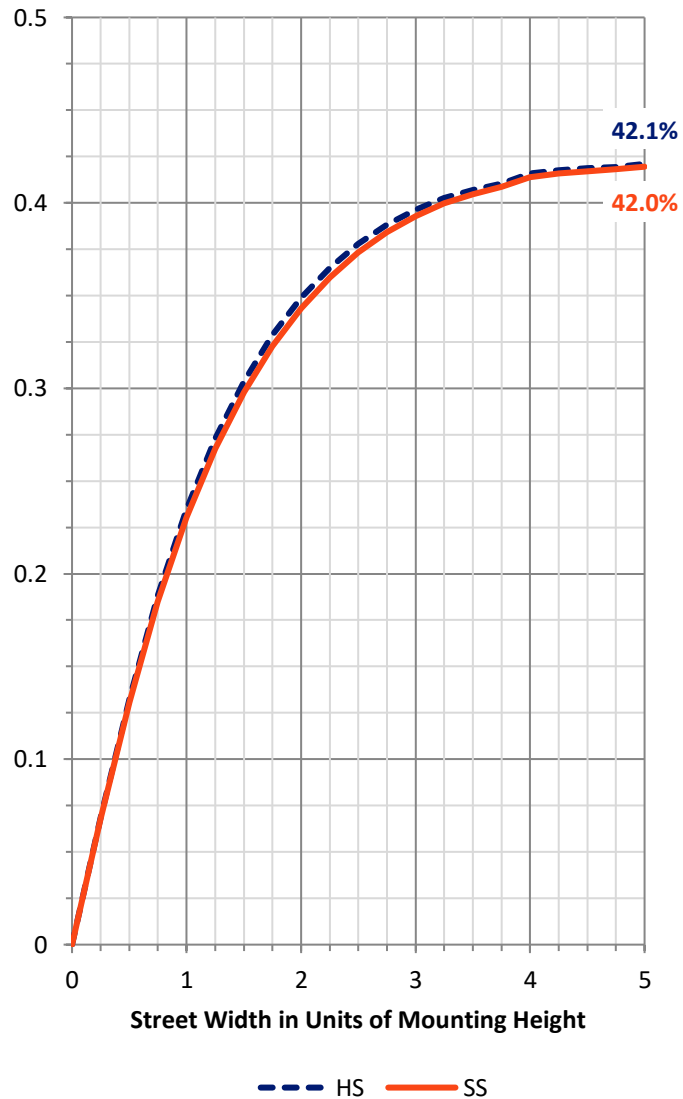
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19061.3	0.0	19061.3
	% Lamp	41.9	0.0	41.9
Street Side	Lumens	19053.0	0.0	19053.0
	% Lamp	41.8	0.0	41.8
Total	Lumens	38114.3	0.0	38114.3
	% Lamp	83.7	0.0	83.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	501.2	1.3	1.1
10°-20°	1564.4	4.1	3.4
20°-30°	2788.0	7.3	6.1
30°-40°	4172.0	10.9	9.2
40°-50°	5710.9	15.0	12.5
50°-60°	7446.9	19.5	16.4
60°-70°	8978.0	23.6	19.7
70°-80°	6561.5	17.2	14.4
80°-90°	391.5	1.0	0.9
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	38114.3	100.0	83.7
0°-180°	38114.3	100.0	83.7

Coefficient of Utilization



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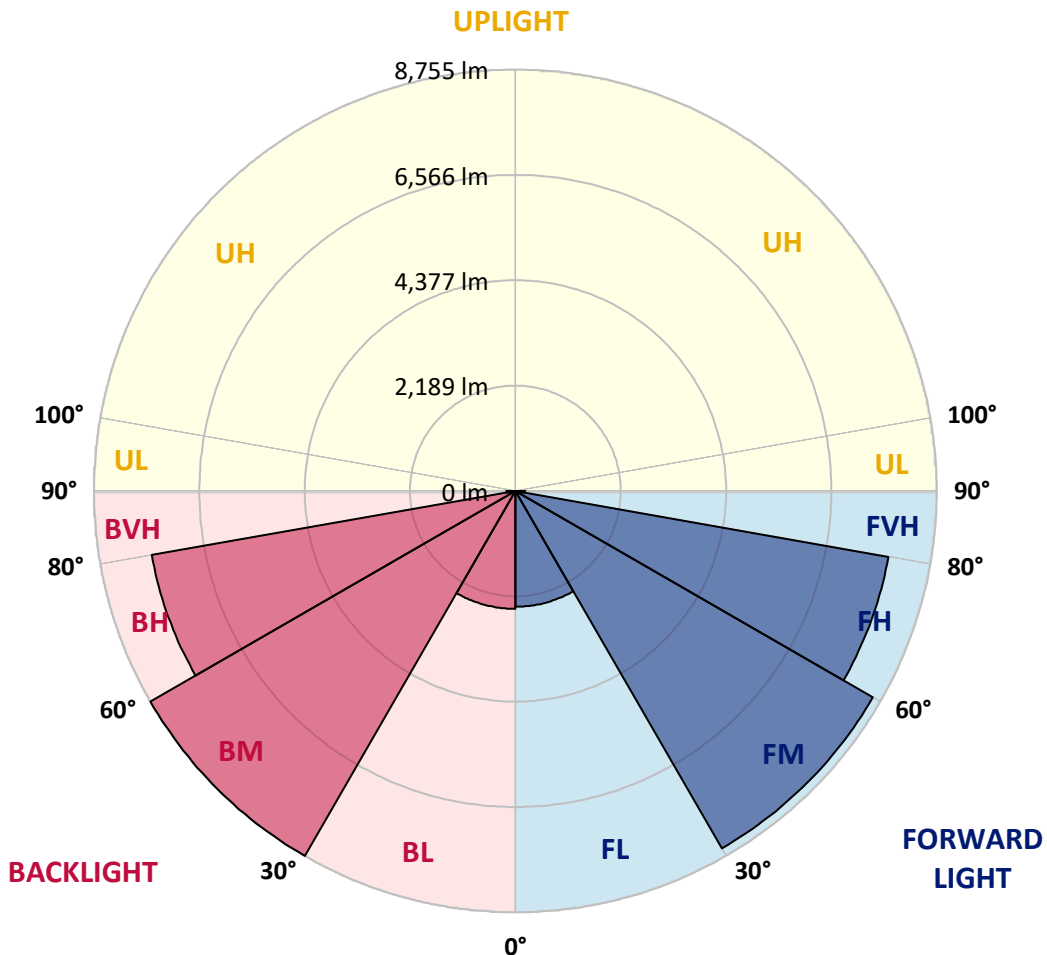
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2404.9	5.3			
FM (30°-60°)	8574.9	18.8			
FH (60°-80°)	7869.6	17.3			G4/12000
FVH (80°-90°)	203.6	0.4			G2/225
BL (0°-30°)	2448.7	5.4	B3/2500		
BM (30°-60°)	8755.0	19.2	B5		
BH (60°-80°)	7669.8	16.8	B5		G4/12000
BVH (80°-90°)	187.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	7420.7	16.3			

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0
1°	5187.1	5185.6	5186.0	5186.8	5187.6	5189.6	5185.4	5185.4	5186.2	5187.6	5188.2
2°	5186.7	5185.6	5185.6	5186.7	5188.4	5189.8	5186.2	5187.1	5188.9	5191.6	5193.0
3°	5189.8	5187.3	5188.1	5188.4	5191.7	5194.6	5190.9	5192.7	5195.4	5198.6	5200.5
4°	5193.3	5191.4	5192.5	5195.1	5198.4	5201.4	5198.4	5200.5	5204.8	5208.1	5210.1
5°	5198.4	5196.9	5199.3	5202.5	5208.2	5213.2	5210.5	5213.0	5215.9	5219.9	5224.0
6°	5206.8	5204.0	5208.2	5213.6	5221.5	5227.2	5225.1	5227.3	5229.8	5233.5	5238.9
7°	5216.7	5215.5	5219.1	5227.9	5236.4	5241.1	5240.2	5243.4	5245.6	5249.7	5256.4
8°	5228.3	5227.2	5233.9	5243.5	5252.0	5259.6	5258.4	5261.9	5265.8	5269.8	5278.2
9°	5243.2	5241.0	5250.0	5260.0	5272.0	5280.0	5279.1	5282.4	5288.5	5293.9	5302.0
10°	5261.1	5259.8	5269.0	5280.6	5295.3	5303.6	5302.3	5304.9	5312.8	5322.2	5329.5
11°	5283.6	5280.2	5291.4	5304.9	5319.7	5327.5	5327.4	5329.8	5339.0	5351.6	5359.9
12°	5307.9	5304.3	5315.3	5330.8	5346.0	5355.5	5356.6	5359.5	5370.4	5385.2	5394.1
13°	5335.3	5330.6	5341.2	5359.6	5375.1	5386.0	5388.8	5393.5	5404.9	5420.8	5431.4
14°	5366.0	5361.3	5369.4	5390.2	5407.3	5423.1	5426.3	5430.0	5443.1	5458.8	5472.6
15°	5401.1	5394.0	5402.0	5422.8	5443.4	5460.8	5466.3	5471.6	5484.5	5500.4	5515.0
16°	5437.3	5429.5	5438.6	5458.1	5482.4	5501.9	5510.1	5517.3	5528.1	5544.1	5559.4
17°	5475.7	5465.2	5477.3	5495.7	5523.1	5547.4	5557.6	5563.0	5575.4	5591.0	5606.1
18°	5514.5	5504.6	5515.6	5538.9	5566.1	5595.4	5607.6	5613.7	5624.6	5641.0	5655.9
19°	5554.9	5545.0	5558.8	5586.0	5611.4	5644.5	5660.8	5665.4	5675.8	5692.5	5706.3
20°	5597.6	5588.1	5603.1	5632.7	5659.8	5694.9	5715.2	5720.2	5728.7	5745.3	5757.4
21°	5640.6	5632.5	5649.2	5682.1	5709.4	5749.7	5770.4	5778.7	5783.5	5801.9	5810.1
22°	5684.2	5677.5	5697.6	5731.9	5761.7	5805.3	5826.6	5838.9	5841.8	5857.9	5862.0
23°	5730.5	5725.9	5747.3	5784.8	5818.0	5862.5	5881.9	5897.4	5901.7	5914.9	5916.9
24°	5778.4	5776.5	5797.7	5837.7	5873.8	5916.1	5934.3	5955.3	5962.1	5972.1	5970.4
25°	5830.2	5829.1	5850.7	5893.0	5930.3	5970.5	5985.8	6012.7	6021.8	6030.4	6026.4
26°	5882.4	5885.1	5904.1	5948.7	5985.3	6027.4	6039.5	6070.5	6082.9	6088.9	6083.0
27°	5939.4	5942.6	5960.4	6005.0	6040.5	6085.3	6095.7	6130.8	6143.6	6146.4	6139.5
28°	5998.7	6002.6	6017.5	6061.3	6096.2	6144.5	6155.6	6189.2	6203.9	6206.1	6197.4
29°	6060.3	6062.3	6076.7	6119.6	6152.7	6203.9	6218.2	6251.0	6267.3	6264.1	6256.2
30°	6127.0	6124.7	6136.1	6177.9	6211.8	6265.5	6285.9	6315.8	6329.9	6324.0	6316.9
31°	6196.0	6187.0	6197.8	6240.1	6270.3	6328.9	6353.7	6381.4	6396.6	6387.3	6378.8
32°	6265.7	6249.1	6257.8	6301.5	6331.3	6388.5	6419.6	6445.2	6461.3	6451.9	6444.8
33°	6340.7	6311.1	6318.6	6360.8	6393.5	6448.7	6486.3	6507.9	6524.7	6517.5	6506.6
34°	6419.2	6374.4	6380.2	6422.0	6453.7	6509.2	6554.4	6570.1	6584.9	6578.5	6571.8
35°	6498.4	6439.1	6445.5	6486.9	6512.8	6570.6	6623.5	6632.8	6644.0	6642.8	6639.3
36°	6577.7	6502.0	6508.2	6548.3	6572.4	6630.4	6693.7	6694.2	6705.7	6709.2	6706.7
37°	6660.1	6561.6	6571.3	6607.7	6632.8	6685.4	6765.5	6755.4	6770.1	6775.8	6777.3
38°	6743.7	6619.1	6632.0	6671.0	6693.8	6741.9	6838.6	6814.5	6833.8	6844.4	6846.6
39°	6827.5	6678.1	6692.7	6732.9	6754.6	6802.2	6917.3	6875.9	6897.3	6913.5	6915.0
40°	6914.2	6740.8	6753.8	6796.1	6816.9	6865.3	7002.0	6942.0	6964.2	6986.5	6987.0
41°	7004.1	6808.9	6819.4	6862.1	6883.7	6933.8	7084.6	7010.8	7034.1	7058.6	7057.8
42°	7091.1	6885.7	6888.5	6932.8	6953.2	7005.8	7162.6	7085.4	7105.0	7134.4	7132.7
43°	7171.7	6968.4	6961.1	7007.9	7030.4	7078.8	7242.1	7160.0	7182.2	7213.1	7210.5
44°	7247.1	7055.4	7038.6	7086.3	7110.5	7157.9	7322.0	7236.0	7261.9	7295.8	7291.7

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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7321.4	7141.1	7119.6	7167.8	7190.8	7240.6	7402.3	7314.6	7342.1	7380.8	7376.1
46°	7391.5	7232.3	7206.2	7254.5	7277.2	7326.2	7477.4	7400.0	7427.6	7468.3	7464.3
47°	7457.2	7328.8	7299.6	7341.2	7364.7	7415.9	7547.7	7489.0	7514.9	7559.4	7553.8
48°	7522.6	7430.7	7395.0	7432.7	7452.3	7505.1	7617.1	7579.9	7604.8	7653.5	7648.9
49°	7591.4	7537.3	7493.3	7528.2	7546.2	7596.1	7683.2	7669.3	7693.5	7746.7	7746.6
50°	7664.1	7649.7	7595.9	7625.3	7645.7	7691.8	7746.6	7761.8	7786.8	7843.8	7847.7
51°	7740.9	7764.3	7704.0	7727.0	7741.4	7786.1	7807.2	7853.4	7880.1	7943.1	7951.5
52°	7817.3	7882.2	7815.1	7834.4	7845.5	7883.2	7862.6	7947.3	7976.7	8045.1	8058.1
53°	7904.4	8004.0	7929.2	7950.5	7948.2	7973.7	7916.0	8035.2	8074.0	8150.9	8168.8
54°	7997.0	8123.5	8050.3	8067.6	8053.0	8058.8	7971.7	8120.1	8176.3	8258.3	8280.4
55°	8091.0	8240.7	8176.0	8190.5	8157.9	8141.1	8026.3	8200.4	8274.4	8372.1	8393.8
56°	8185.0	8355.3	8304.3	8318.2	8265.2	8225.3	8082.0	8278.9	8372.1	8487.6	8506.0
57°	8277.3	8464.1	8434.8	8446.6	8371.2	8307.2	8136.9	8353.2	8472.5	8610.6	8616.5
58°	8363.5	8567.9	8562.9	8583.0	8478.4	8379.6	8191.2	8421.5	8569.6	8735.3	8719.4
59°	8454.1	8659.2	8696.0	8719.4	8583.8	8443.2	8238.5	8485.1	8665.0	8863.4	8813.2
60°	8539.5	8747.9	8827.4	8860.9	8687.6	8499.3	8278.0	8541.2	8758.8	8994.0	8901.9
61°	8612.3	8824.1	8966.4	9004.0	8786.4	8543.7	8308.6	8585.5	8855.0	9127.1	8996.5
62°	8674.2	8890.2	9102.8	9145.5	8887.7	8573.8	8329.5	8622.3	8950.5	9256.8	9095.3
63°	8737.9	8953.8	9239.2	9287.8	8988.1	8597.2	8344.4	8653.3	9042.5	9384.1	9187.3
64°	8817.4	9014.9	9371.5	9431.8	9079.4	8609.8	8350.6	8672.6	9132.9	9509.6	9273.6
65°	8904.4	9086.9	9506.3	9578.2	9170.6	8618.2	8351.1	8686.8	9220.8	9623.4	9353.9
66°	8957.2	9163.9	9633.5	9717.2	9255.1	8621.5	8328.0	8689.3	9299.5	9730.6	9435.1
67°	8966.4	9224.2	9742.3	9846.1	9322.1	8604.8	8282.0	8668.4	9366.5	9821.0	9504.6
68°	8960.5	9243.4	9844.4	9970.0	9387.4	8544.5	8168.8	8619.0	9421.7	9898.8	9557.3
69°	8862.6	9215.0	9939.0	10072.9	9422.6	8434.0	7921.6	8512.7	9456.9	9954.1	9567.4
70°	8516.0	9111.2	9999.3	10149.9	9417.5	8212.7	7529.2	8314.9	9453.5	9989.2	9544.8
71°	7826.7	8824.1	9999.3	10189.3	9375.7	7871.0	6946.6	7992.7	9392.4	9987.6	9489.5
72°	6925.5	8279.8	9913.1	10178.4	9277.7	7414.0	6326.0	7521.6	9269.4	9944.0	9349.7
73°	6054.2	7523.6	9742.3	10119.8	9114.5	6872.0	5770.4	6941.1	9065.1	9818.5	9120.4
74°	5213.0	6679.2	9463.6	9979.2	8857.6	6336.8	5307.6	6339.6	8785.6	9595.8	8778.0
75°	3967.6	5741.8	9033.3	9700.5	8550.4	5807.5	4769.3	5776.8	8413.1	9253.5	8230.2
76°	2312.2	4522.1	8382.1	9282.8	8151.9	5137.3	3824.7	5182.0	7955.2	8786.4	7484.7
77°	909.8	2875.3	7507.6	8599.7	7619.2	4116.3	2692.4	4249.1	7383.2	8089.2	6590.0
78°	663.8	1305.1	6418.3	7609.5	6835.5	2749.6	1560.1	3010.8	6651.5	7092.7	5492.3
79°	440.9	927.0	4947.2	6295.9	5742.7	1367.1	438.2	1772.6	5612.9	5745.7	4024.4
80°	218.1	579.3	3064.6	4665.0	4251.7	972.8	248.5	545.2	4194.6	4185.2	2856.6
81°	193.5	231.7	1451.2	2956.5	2484.8	600.7	219.3	272.1	2941.9	2942.4	1688.8
82°	171.1	199.6	1045.0	1324.5	1066.1	228.6	190.1	225.0	1689.2	1699.7	526.9
83°	149.3	170.8	644.9	971.7	768.9	185.6	161.1	193.9	446.4	458.1	284.9
84°	126.8	143.6	244.8	628.4	489.4	156.7	138.0	162.9	263.6	292.5	217.2
85°	103.5	117.0	184.9	285.1	209.9	128.7	114.5	134.6	206.8	243.8	150.1
86°	76.6	91.7	141.3	226.0	154.5	101.9	90.8	107.3	150.1	194.4	106.3
87°	52.1	68.1	107.1	168.4	118.5	77.9	66.1	83.1	113.7	144.9	74.4
88°	27.6	44.6	73.9	104.6	84.8	54.2	42.5	59.9	81.4	90.7	46.0
89°	11.3	21.0	39.6	55.0	46.3	30.6	29.8	41.6	56.0	62.4	32.5



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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0	5188.0
1°	5190.1	5192.2	5193.4	5194.3	5194.8	5195.7	5195.9	5190.8	5190.6	5190.1	5188.4
2°	5194.8	5199.1	5201.0	5203.3	5203.1	5204.5	5203.7	5199.9	5197.8	5195.4	5192.1
3°	5204.1	5208.5	5212.0	5213.7	5214.6	5214.9	5214.3	5210.2	5206.4	5202.8	5197.8
4°	5215.3	5220.1	5224.1	5226.6	5228.3	5229.0	5226.9	5220.5	5216.9	5212.7	5206.1
5°	5227.6	5233.3	5238.1	5242.2	5243.8	5243.6	5240.8	5233.9	5228.0	5223.2	5215.8
6°	5242.1	5249.4	5254.3	5258.7	5261.0	5260.6	5257.8	5249.8	5243.5	5235.6	5226.1
7°	5260.9	5268.1	5273.3	5278.5	5280.7	5280.4	5276.5	5269.0	5260.4	5251.7	5239.4
8°	5282.8	5289.3	5295.4	5302.1	5303.1	5302.9	5299.0	5289.5	5280.6	5271.3	5255.8
9°	5308.5	5314.3	5321.0	5327.7	5329.3	5326.9	5321.6	5312.3	5303.6	5293.7	5275.3
10°	5335.0	5341.3	5347.8	5356.4	5358.0	5354.5	5349.4	5340.6	5330.0	5317.0	5297.8
11°	5366.8	5374.2	5380.5	5387.9	5391.0	5388.1	5381.7	5373.9	5362.4	5345.2	5323.9
12°	5402.2	5409.8	5416.3	5423.1	5428.3	5426.1	5419.2	5412.7	5399.2	5379.2	5351.9
13°	5440.8	5448.8	5454.5	5462.3	5468.5	5467.2	5459.8	5453.0	5438.8	5417.2	5384.5
14°	5480.9	5489.1	5495.8	5504.4	5512.2	5512.7	5502.9	5494.9	5479.9	5456.5	5420.4
15°	5523.8	5533.3	5538.7	5550.7	5559.7	5558.7	5549.2	5541.3	5524.5	5497.6	5461.3
16°	5570.9	5579.6	5586.7	5599.3	5612.9	5610.0	5598.7	5592.9	5572.7	5542.4	5504.2
17°	5618.7	5627.9	5635.5	5650.9	5666.2	5661.4	5650.9	5645.7	5625.1	5591.3	5549.0
18°	5667.3	5675.7	5684.7	5703.5	5720.9	5715.6	5706.3	5701.2	5677.6	5641.2	5595.5
19°	5718.4	5725.4	5735.3	5757.6	5776.7	5770.7	5762.3	5757.6	5732.1	5694.8	5643.9
20°	5769.7	5774.6	5788.3	5811.5	5834.8	5829.0	5821.4	5815.8	5789.1	5748.0	5694.0
21°	5821.4	5825.4	5843.7	5869.2	5896.9	5888.9	5882.8	5876.4	5850.6	5802.8	5746.9
22°	5873.2	5877.1	5898.0	5925.2	5957.0	5950.8	5946.3	5934.0	5910.3	5858.0	5800.6
23°	5926.6	5929.5	5954.0	5985.4	6018.2	6012.1	6009.4	5991.4	5970.8	5918.0	5857.1
24°	5981.4	5985.3	6012.0	6043.2	6078.2	6076.9	6071.6	6047.5	6030.3	5978.6	5913.2
25°	6038.2	6043.2	6071.9	6104.3	6138.3	6141.6	6132.4	6105.5	6090.7	6037.1	5969.8
26°	6095.9	6104.3	6133.8	6167.1	6198.9	6207.4	6197.4	6164.1	6151.3	6094.8	6024.3
27°	6155.8	6166.4	6197.8	6228.2	6257.8	6272.3	6260.8	6224.1	6213.7	6154.1	6080.6
28°	6218.3	6233.3	6262.5	6289.2	6320.8	6339.3	6326.5	6289.7	6276.5	6213.5	6141.0
29°	6282.2	6302.2	6329.9	6350.2	6383.8	6405.4	6393.4	6360.7	6340.3	6273.8	6201.0
30°	6346.9	6372.4	6396.7	6412.7	6448.4	6470.7	6462.0	6432.4	6406.2	6333.1	6262.1
31°	6411.3	6446.0	6463.4	6477.8	6514.4	6534.1	6530.2	6504.4	6470.6	6395.0	6324.1
32°	6476.6	6521.2	6531.3	6542.4	6579.4	6598.5	6594.0	6569.6	6532.1	6455.7	6390.0
33°	6541.5	6599.0	6598.2	6606.6	6643.9	6659.4	6658.0	6635.3	6590.8	6518.3	6455.2
34°	6609.3	6675.1	6663.6	6673.0	6708.0	6718.5	6718.0	6701.3	6650.1	6578.8	6520.2
35°	6675.6	6755.2	6729.4	6739.5	6771.6	6777.2	6777.8	6768.5	6704.5	6639.8	6584.2
36°	6743.9	6836.3	6796.3	6805.9	6834.0	6837.2	6833.2	6835.8	6755.7	6698.5	6646.8
37°	6810.7	6916.0	6861.1	6873.9	6896.5	6899.0	6888.9	6909.6	6812.0	6758.9	6711.0
38°	6874.6	6997.1	6923.0	6940.4	6963.0	6961.3	6947.8	6988.2	6871.0	6818.4	6776.7
39°	6938.5	7081.7	6987.5	7006.0	7035.1	7026.6	7007.1	7070.2	6931.4	6884.2	6841.0
40°	7008.2	7168.8	7057.5	7076.2	7108.2	7092.7	7072.6	7155.2	6996.6	6952.3	6905.9
41°	7082.0	7253.3	7134.9	7148.1	7182.6	7163.5	7139.1	7245.2	7070.3	7024.1	6976.2
42°	7157.4	7337.0	7214.2	7223.9	7262.2	7236.5	7215.2	7335.5	7150.1	7096.2	7053.1
43°	7233.4	7419.4	7296.0	7303.9	7343.6	7311.5	7301.9	7422.3	7237.7	7173.3	7132.1
44°	7317.0	7498.7	7380.8	7386.0	7427.1	7390.8	7390.1	7499.9	7325.9	7252.4	7215.2



REPORT NUMBER: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	7403.6	7577.4	7469.2	7471.0	7513.8	7475.4	7480.9	7571.0	7413.9	7340.2	7302.3
46°	7498.8	7657.7	7563.7	7560.7	7597.7	7565.2	7566.9	7642.8	7502.1	7432.5	7393.2
47°	7597.6	7736.4	7665.7	7654.0	7687.5	7659.8	7659.7	7712.2	7593.6	7528.9	7486.0
48°	7704.8	7806.7	7768.1	7747.8	7776.9	7757.6	7755.7	7775.0	7687.7	7623.9	7581.5
49°	7812.1	7878.7	7874.4	7843.0	7871.7	7856.1	7853.0	7832.3	7784.8	7718.8	7680.0
50°	7918.5	7952.9	7981.2	7945.0	7970.2	7956.5	7951.8	7888.8	7882.2	7813.9	7783.2
51°	8025.5	8030.7	8087.6	8046.3	8070.7	8051.7	8046.0	7945.3	7979.6	7912.7	7891.4
52°	8133.8	8105.8	8195.7	8156.0	8178.0	8149.7	8139.3	8003.1	8067.8	8013.3	8001.8
53°	8243.2	8177.7	8303.8	8264.8	8286.8	8248.4	8225.1	8058.7	8153.4	8113.4	8117.3
54°	8347.9	8247.8	8404.7	8377.9	8399.7	8349.6	8305.0	8115.2	8237.0	8215.7	8238.2
55°	8444.1	8318.2	8496.8	8491.8	8516.0	8446.6	8377.1	8167.9	8313.1	8310.5	8362.4
56°	8523.6	8383.8	8576.3	8604.8	8635.7	8543.7	8442.4	8218.1	8381.3	8410.6	8490.9
57°	8590.5	8448.2	8649.1	8721.1	8763.0	8637.4	8504.3	8265.3	8439.0	8511.0	8621.5
58°	8650.8	8509.3	8712.7	8823.2	8888.5	8729.5	8557.9	8309.4	8490.9	8603.1	8751.2
59°	8706.9	8567.1	8770.5	8915.3	9015.8	8819.9	8604.8	8340.6	8536.1	8696.0	8881.8
60°	8757.9	8618.2	8818.2	9009.9	9148.8	8904.4	8640.8	8363.0	8572.1	8795.6	9017.4
61°	8798.1	8664.2	8855.0	9111.2	9275.2	8987.3	8668.4	8387.1	8598.1	8891.0	9156.4
62°	8827.4	8711.1	8886.8	9209.1	9400.0	9074.3	8685.1	8403.9	8620.7	8982.3	9296.2
63°	8860.9	8754.6	8920.3	9296.2	9517.1	9162.2	8697.7	8406.4	8637.4	9074.3	9435.9
64°	8891.9	8798.1	8958.8	9370.7	9632.7	9242.6	8701.9	8398.0	8644.9	9160.6	9571.5
65°	8920.3	8806.5	8983.9	9439.3	9737.3	9319.6	8692.7	8366.0	8635.7	9238.4	9696.3
66°	8931.2	8747.9	8975.6	9512.1	9831.0	9388.2	8662.5	8293.1	8608.1	9307.0	9813.5
67°	8904.4	8676.8	8936.2	9567.4	9910.5	9429.3	8591.4	8170.2	8533.6	9364.8	9925.6
68°	8855.0	8558.7	8880.2	9606.7	9964.1	9433.4	8488.4	7939.0	8411.4	9398.3	10028.6
69°	8746.2	8282.7	8754.6	9601.7	9994.3	9401.6	8317.0	7518.9	8202.7	9384.9	10103.9
70°	8528.6	7810.2	8504.3	9554.0	9995.1	9332.2	8028.6	6916.1	7847.8	9321.3	10152.5
71°	8150.7	7103.6	8082.1	9450.2	9954.9	9208.3	7579.1	6261.9	7343.9	9208.3	10162.5
72°	7543.7	6234.3	7427.6	9267.7	9851.1	9039.2	6998.5	5737.4	6756.7	9039.2	10120.6
73°	6722.0	5321.7	6620.0	9006.5	9639.3	8785.6	6413.4	5297.7	6207.7	8757.9	9996.8
74°	5793.0	4405.8	5709.4	8592.2	9304.5	8450.8	5872.3	4738.4	5666.1	8401.4	9760.7
75°	4808.9	3257.9	4677.0	7954.7	8886.0	8030.6	5250.2	3721.2	5016.0	7963.8	9398.3
76°	3694.1	2060.6	3533.6	7149.6	8310.0	7489.1	4324.2	2355.2	4020.3	7413.6	8860.9
77°	2628.8	865.0	2520.7	6182.8	7462.1	6750.6	3049.9	1065.3	2710.3	6701.3	8029.0
78°	1563.4	358.5	1507.9	4973.5	6284.2	5742.3	1775.6	777.2	1345.1	5735.1	6780.6
79°	516.2	229.5	497.4	3459.6	4861.1	4413.5	507.1	497.9	951.9	4378.8	5221.5
80°	269.8	195.8	269.3	2216.3	3454.4	3113.2	272.6	218.6	592.0	2682.3	3537.5
81°	225.8	162.1	224.3	973.5	2047.6	1812.9	230.8	189.0	232.2	1194.0	1830.4
82°	181.7	138.0	179.4	399.1	671.3	533.7	201.6	165.4	192.2	852.9	630.7
83°	137.9	115.8	134.9	311.2	338.9	293.4	172.4	141.9	164.6	536.8	462.7
84°	111.8	95.8	108.9	223.4	275.1	239.3	143.3	118.0	136.6	220.7	296.7
85°	85.9	73.3	82.6	136.4	223.7	185.3	116.4	93.1	109.5	164.8	248.2
86°	62.0	49.5	58.6	97.7	172.3	131.2	91.2	69.7	84.5	126.8	196.0
87°	43.8	34.4	41.5	65.4	121.3	97.2	67.8	46.3	60.6	93.9	134.3
88°	25.7	19.2	24.4	45.5	82.8	66.5	46.8	23.0	36.8	75.8	68.0
89°	7.8	4.2	7.6	25.6	44.3	46.2	25.8	7.3	12.9	57.6	51.7



REPORT NUMBER: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5188.0	5188.0	5188.0
1°	5187.3	5185.6	5187.1
2°	5189.2	5186.7	5186.7
3°	5192.9	5190.1	5189.8
4°	5199.3	5195.4	5193.3
5°	5207.8	5201.5	5198.4
6°	5217.5	5209.8	5206.8
7°	5229.7	5220.7	5216.7
8°	5243.2	5232.8	5228.3
9°	5259.8	5248.3	5243.2
10°	5278.8	5267.2	5261.1
11°	5302.8	5288.3	5283.6
12°	5329.3	5313.9	5307.9
13°	5357.1	5340.6	5335.3
14°	5387.9	5371.3	5366.0
15°	5423.5	5406.3	5401.1
16°	5463.4	5443.9	5437.3
17°	5505.5	5483.4	5475.7
18°	5549.2	5523.6	5514.5
19°	5596.0	5566.5	5554.9
20°	5644.2	5610.6	5597.6
21°	5694.4	5656.8	5640.6
22°	5745.3	5704.3	5684.2
23°	5797.5	5756.0	5730.5
24°	5850.5	5809.3	5778.4
25°	5905.1	5865.6	5830.2
26°	5960.6	5923.3	5882.4
27°	6017.5	5981.8	5939.4
28°	6076.2	6041.0	5998.7
29°	6134.9	6101.3	6060.3
30°	6194.8	6163.1	6127.0
31°	6256.0	6226.2	6196.0
32°	6318.6	6286.2	6265.7
33°	6382.8	6349.9	6340.7
34°	6446.7	6414.9	6419.2
35°	6512.9	6479.9	6498.4
36°	6579.7	6542.1	6577.7
37°	6642.7	6602.5	6660.1
38°	6708.7	6661.1	6743.7
39°	6774.1	6720.3	6827.5
40°	6839.2	6784.0	6914.2
41°	6906.2	6856.4	7004.1
42°	6978.3	6934.0	7091.1
43°	7054.4	7016.6	7171.7
44°	7137.9	7103.7	7247.1



REPORT NUMBER: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7224.9	7193.7	7321.4
46°	7320.3	7286.3	7391.5
47°	7417.8	7387.3	7457.2
48°	7515.4	7490.2	7522.6
49°	7618.7	7599.2	7591.4
50°	7722.2	7713.2	7664.1
51°	7833.5	7829.6	7740.9
52°	7947.8	7951.5	7817.3
53°	8063.0	8069.0	7904.4
54°	8186.9	8190.5	7997.0
55°	8310.7	8308.2	8091.0
56°	8437.4	8424.0	8185.0
57°	8565.4	8535.3	8277.3
58°	8696.8	8634.9	8363.5
59°	8830.8	8724.5	8454.1
60°	8968.9	8810.7	8539.5
61°	9103.6	8897.7	8612.3
62°	9238.4	8982.3	8674.2
63°	9374.8	9050.1	8737.9
64°	9507.9	9102.0	8817.4
65°	9641.9	9165.6	8904.4
66°	9770.8	9252.6	8957.2
67°	9884.6	9310.4	8966.4
68°	9965.0	9317.1	8960.5
69°	10045.3	9270.2	8862.6
70°	10092.2	9157.2	8516.0
71°	10065.4	8878.5	7826.7
72°	9929.8	8324.9	6925.5
73°	9739.0	7545.2	6054.2
74°	9444.3	6674.1	5213.0
75°	8895.2	5699.9	3967.6
76°	8143.1	4465.1	2312.2
77°	7237.0	2878.3	909.8
78°	6076.4	1353.9	663.8
79°	4441.8	960.0	440.9
80°	2460.7	601.4	218.1
81°	1093.5	242.8	193.5
82°	787.7	199.7	171.1
83°	505.0	170.9	149.3
84°	222.2	143.0	126.8
85°	169.6	114.7	103.5
86°	131.8	88.3	76.6
87°	97.0	64.5	52.1
88°	78.0	40.7	27.6
89°	59.3	16.9	11.3



REPORT NUMBER: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-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: P1436816

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)