

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: P1445083

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445083
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
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: 38695 (1 lamp)
Luminaire Lumens: 38114.3 lumens
Efficiency: 98.5%
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

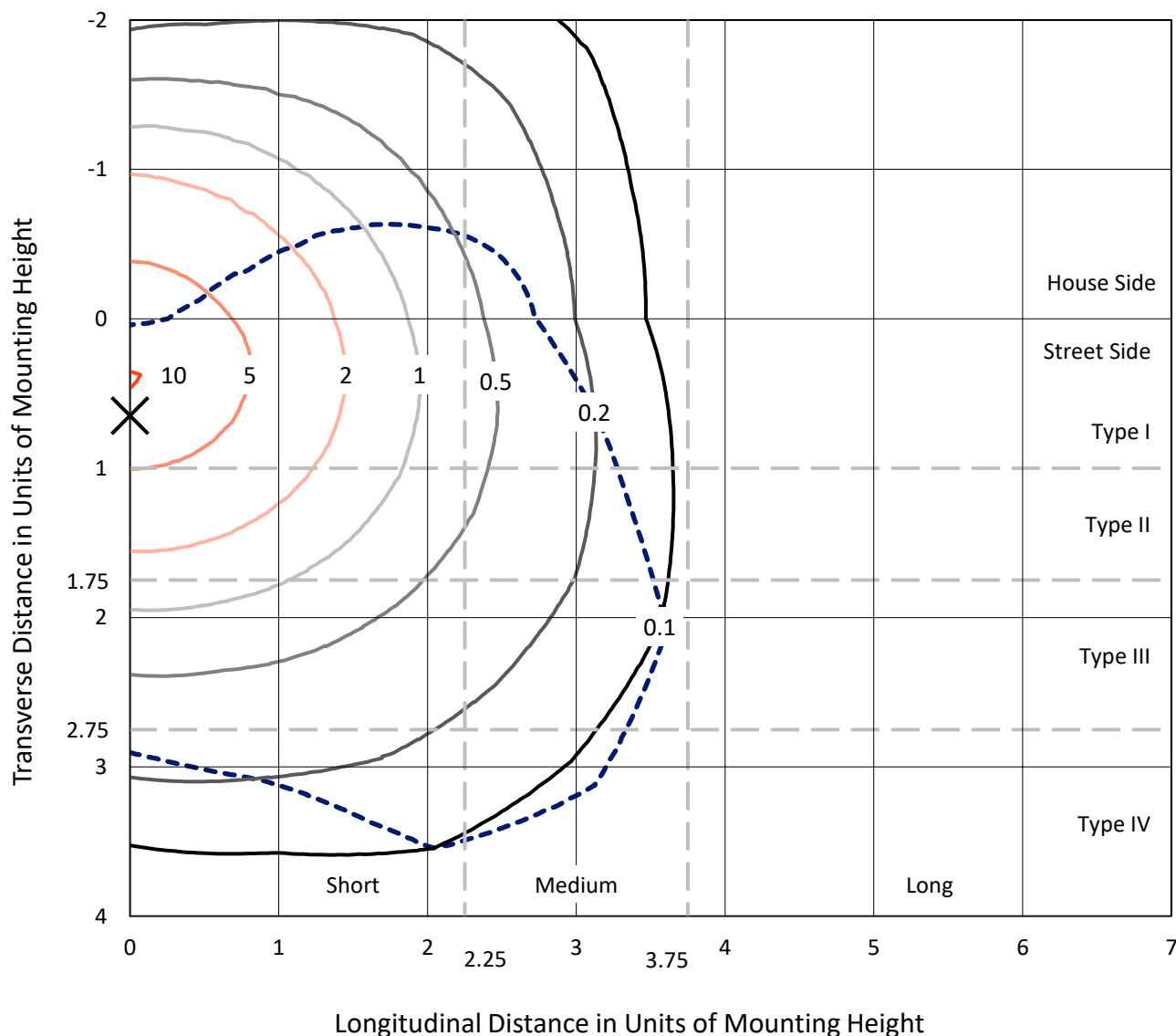
Input Watts (W): 279.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1445083

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

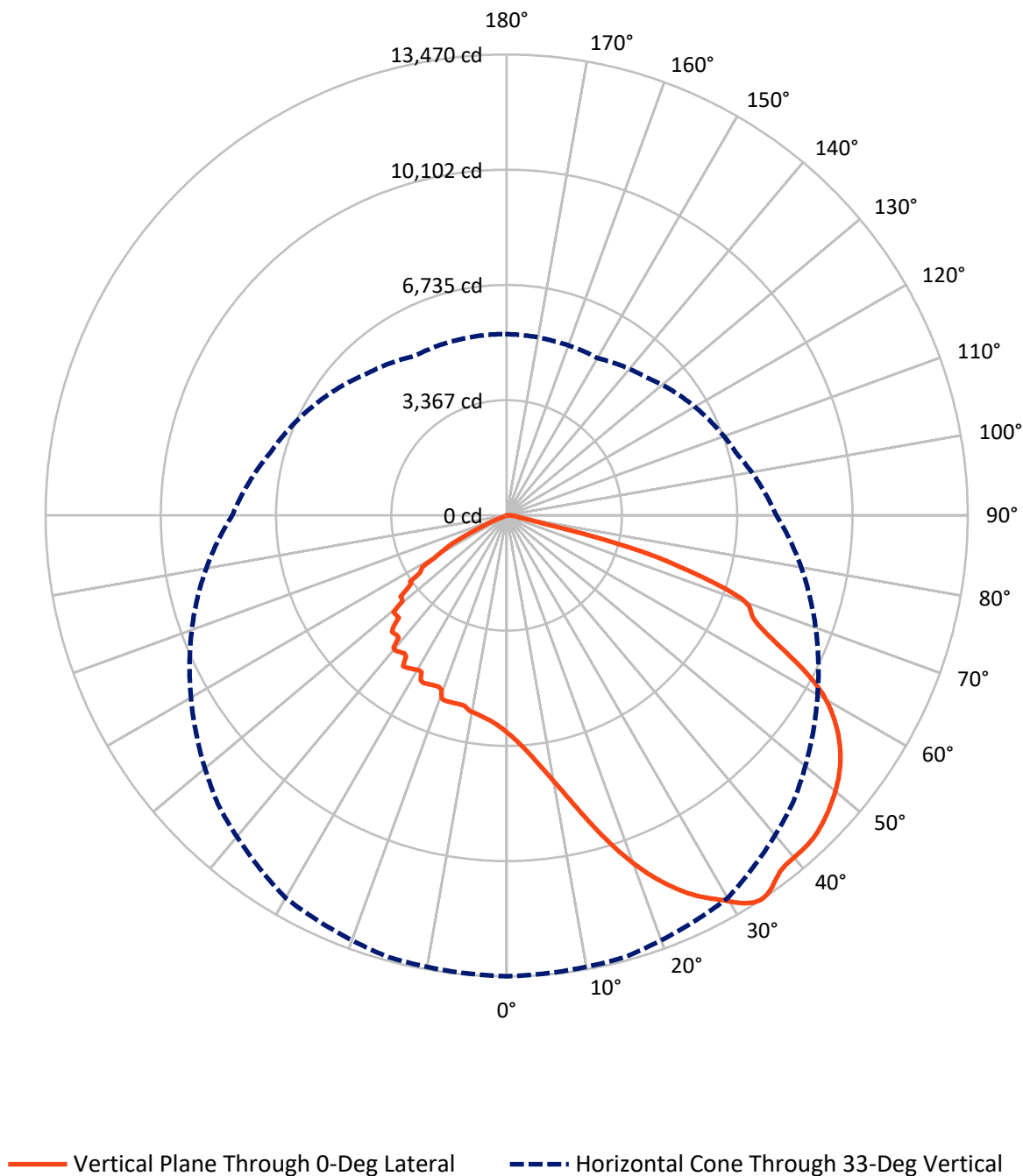


Based on 30 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1445083

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

Luminous Intensity Polar Plot



REPORT NUMBER: P1445083

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

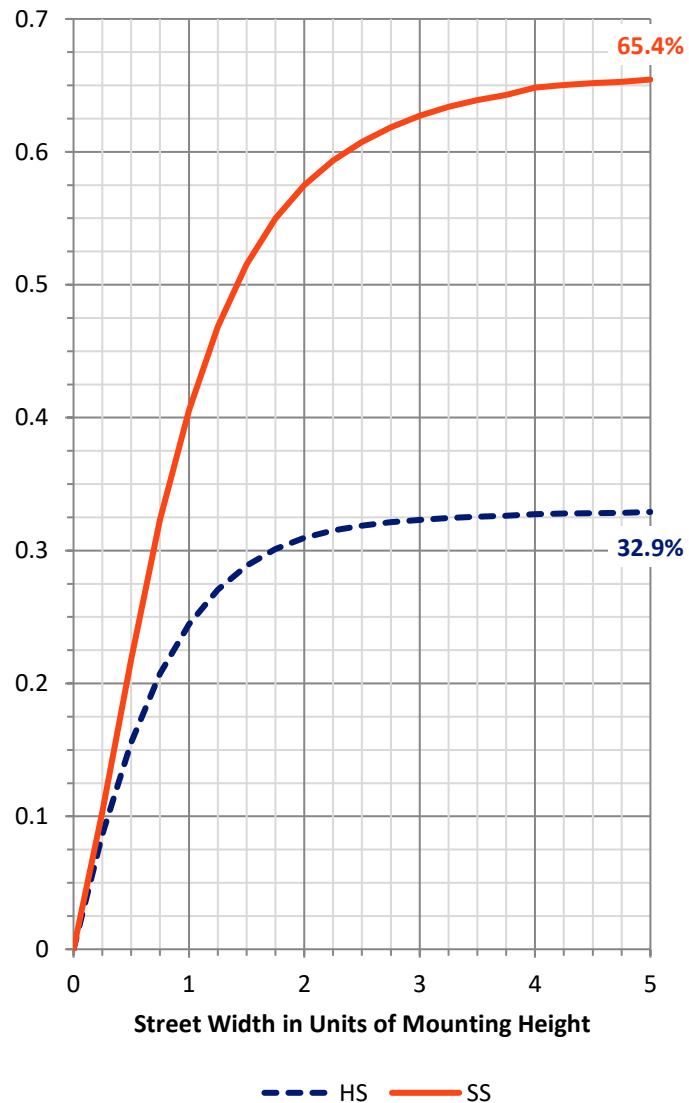
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12798.8	0.0	12798.8
	% Lamp	33.1	0.0	33.1
Street Side	Lumens	25315.6	0.0	25315.6
	% Lamp	65.4	0.0	65.4
Total	Lumens	38114.3	0.0	38114.3
	% Lamp	98.5	0.0	98.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	626.9	1.6	1.6
10°-20°	2054.5	5.4	5.3
20°-30°	3785.6	9.9	9.8
30°-40°	5520.7	14.5	14.3
40°-50°	6814.0	17.9	17.6
50°-60°	7610.3	20.0	19.7
60°-70°	7128.2	18.7	18.4
70°-80°	4227.2	11.1	10.9
80°-90°	347.0	0.9	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	98.5
0°-180°	38114.3	100.0	98.5

Coefficient of Utilization



REPORT NUMBER: P1445083

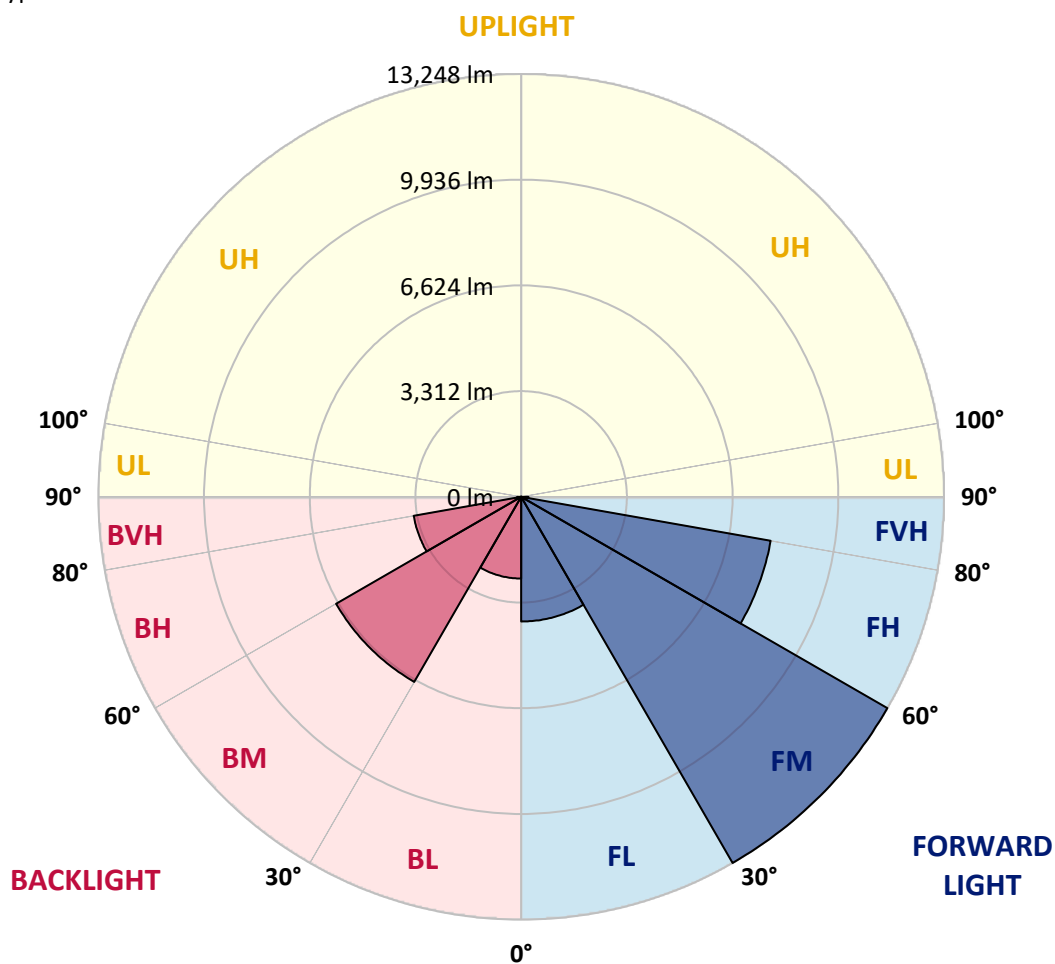
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3906.3	10.1			
FM	(30°-60°)	13248.1	34.2			
FH	(60°-80°)	7936.1	20.5			G4/12000
FVH	(80°-90°)	225.1	0.6			G3/500
BL	(0°-30°)	2560.7	6.6	B4/5000		
BM	(30°-60°)	6696.9	17.3	B4/8500		
BH	(60°-80°)	3419.3	8.8	B4/5000		G4/5000
BVH	(80°-90°)	121.9	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		580.7	1.5			

BUG Rating: B4-U0-G4

Type IV Short



REPORT NUMBER: P1445083

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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1
1°	6475.2	6475.7	6467.8	6455.4	6438.3	6414.5	6368.6	6344.6	6322.3	6305.9	6292.9
2°	6588.3	6583.9	6562.2	6529.8	6490.6	6442.5	6371.4	6323.6	6280.6	6245.8	6220.3
3°	6711.9	6702.7	6667.7	6615.9	6549.9	6475.9	6379.3	6308.1	6245.5	6193.6	6158.6
4°	6851.8	6835.5	6786.1	6712.4	6618.7	6517.9	6394.0	6299.1	6214.7	6148.7	6103.8
5°	7005.1	6982.4	6914.2	6816.1	6696.4	6566.1	6415.8	6296.2	6192.2	6111.6	6056.9
6°	7171.3	7141.4	7057.4	6932.9	6781.2	6617.4	6439.1	6297.5	6174.2	6079.2	6012.7
7°	7354.1	7318.9	7212.9	7059.9	6871.4	6671.9	6464.4	6299.9	6160.2	6051.1	5979.0
8°	7546.9	7504.0	7380.9	7195.5	6968.6	6732.2	6494.0	6305.7	6148.6	6029.5	5953.5
9°	7760.3	7706.8	7562.3	7340.8	7073.6	6797.8	6527.6	6313.3	6138.0	6016.0	5931.6
10°	7990.5	7928.0	7755.2	7496.2	7185.3	6867.0	6561.8	6322.4	6128.9	6005.2	5913.5
11°	8235.1	8162.7	7965.4	7665.0	7303.4	6941.7	6601.1	6335.3	6125.8	5996.9	5898.5
12°	8498.4	8414.5	8186.2	7841.8	7427.4	7020.4	6627.8	6337.0	6129.2	5990.3	5890.2
13°	8788.0	8686.7	8421.9	8031.0	7560.6	7086.4	6657.8	6340.3	6117.3	5986.1	5881.7
14°	9090.4	8972.7	8666.8	8227.2	7701.7	7158.2	6693.9	6345.2	6110.3	5986.9	5818.3
15°	9403.2	9273.5	8925.7	8428.2	7832.0	7234.6	6734.7	6359.5	6103.9	5973.9	5778.8
16°	9723.3	9572.3	9190.8	8640.0	7972.3	7319.4	6790.6	6385.3	6106.3	5953.1	5779.9
17°	10041.1	9880.5	9458.4	8856.5	8116.4	7413.5	6840.4	6404.0	6114.8	5904.5	5787.7
18°	10355.3	10181.0	9727.5	9077.2	8258.1	7515.3	6896.9	6431.2	6122.1	5875.5	5798.5
19°	10663.6	10475.5	9994.8	9292.9	8412.5	7612.1	6964.2	6472.0	6138.5	5874.9	5814.4
20°	10962.1	10765.1	10253.8	9487.5	8566.2	7715.2	7036.9	6516.8	6165.7	5879.9	5827.9
21°	11241.8	11041.8	10505.0	9698.2	8730.1	7829.3	7108.9	6552.7	6191.5	5888.9	5829.4
22°	11506.8	11303.9	10746.4	9888.4	8881.5	7950.7	7169.2	6566.3	6198.7	5912.5	5828.3
23°	11757.9	11559.0	10983.7	10075.6	9041.2	8074.8	7206.4	6590.6	6174.7	5934.9	5780.3
24°	11997.3	11799.3	11213.2	10261.7	9198.6	8186.6	7255.5	6634.9	6181.7	5945.9	5587.5
25°	12220.9	12034.7	11436.8	10448.9	9354.5	8287.9	7323.8	6660.8	6188.0	5957.7	5520.4
26°	12417.9	12240.6	11654.5	10627.2	9513.9	8374.5	7391.0	6688.2	6195.6	5977.0	5530.5
27°	12590.3	12427.7	11861.4	10801.5	9672.3	8473.8	7440.2	6733.8	6229.9	5979.5	5546.5
28°	12756.7	12596.2	12056.4	10972.9	9827.6	8590.8	7507.1	6780.2	6263.9	5866.1	5557.0
29°	12924.2	12766.6	12232.7	11133.5	9969.2	8716.5	7591.9	6818.1	6277.6	5758.0	5565.2
30°	13127.1	12960.6	12408.0	11298.9	10104.1	8825.3	7678.6	6840.6	6285.4	5706.7	5576.1
31°	13293.6	13138.9	12591.3	11479.2	10212.5	8932.0	7756.4	6871.9	6312.7	5695.9	5592.2
32°	13419.6	13279.8	12762.6	11667.3	10338.6	9043.2	7819.6	6918.3	6344.0	5702.3	5460.1
33°	13469.9	13361.5	12911.4	11844.6	10488.3	9166.9	7882.3	6961.6	6348.7	5724.6	5307.6
34°	13442.3	13352.7	12998.1	12007.2	10645.9	9298.7	7961.1	6987.9	6369.2	5750.0	5296.0
35°	13350.7	13276.8	12997.1	12128.3	10795.6	9432.9	8051.1	7027.2	6387.3	5767.9	5303.8
36°	13227.6	13166.5	12932.1	12205.1	10928.6	9557.3	8138.9	7075.3	6400.7	5772.4	5322.5
37°	13119.2	13042.4	12838.5	12218.9	11016.2	9652.6	8204.5	7110.9	6391.9	5766.4	5355.1
38°	13071.9	12963.6	12749.8	12192.3	11070.4	9740.8	8274.3	7143.6	6284.4	5620.3	5370.2
39°	13057.2	12926.2	12690.7	12155.9	11088.1	9817.5	8368.0	7174.5	6204.1	5540.5	5376.2
40°	13053.2	12906.5	12663.2	12133.2	11086.2	9872.7	8456.8	7206.8	6179.9	5576.5	5189.7
41°	13049.3	12895.6	12649.4	12125.4	11101.9	9915.0	8524.7	7229.5	6221.7	5613.8	5110.7
42°	13036.5	12884.8	12641.5	12123.4	11136.4	9957.4	8572.9	7242.3	6263.1	5613.6	5136.2
43°	13007.9	12872.0	12635.6	12133.2	11176.8	9994.8	8606.7	7284.1	6248.7	5626.6	5129.5
44°	12965.6	12852.3	12624.7	12151.9	11221.1	10034.2	8634.6	7325.0	6250.7	5661.7	5123.8

REPORT NUMBER: P1445083

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12905.5	12820.8	12608.0	12170.7	11262.5	10086.4	8668.6	7376.9	6285.9	5686.6	5122.2
46°	12836.5	12780.4	12586.3	12182.5	11303.9	10149.4	8703.0	7359.6	6325.2	5525.0	4872.6
47°	12756.7	12736.0	12560.7	12191.3	11345.2	10215.4	8728.9	7313.9	6333.6	5410.9	4807.6
48°	12674.0	12683.8	12532.2	12202.2	11385.6	10277.5	8778.0	7335.8	6328.6	5420.5	4825.9
49°	12585.3	12630.7	12495.7	12206.1	11432.9	10335.6	8834.0	7380.8	6212.9	5454.8	4825.5
50°	12488.8	12575.5	12453.4	12196.3	11468.4	10387.8	8884.0	7412.4	6157.5	5452.8	4795.6
51°	12382.4	12508.5	12402.1	12177.6	11509.7	10432.1	8924.0	7421.9	6167.5	5444.2	4524.6
52°	12260.3	12430.7	12345.0	12160.8	11555.0	10473.5	8921.1	7450.8	6168.9	5249.6	4520.3
53°	12128.3	12337.1	12280.0	12142.1	11593.4	10503.1	8874.8	7465.1	6213.9	5193.1	4553.5
54°	11980.6	12222.9	12214.0	12118.5	11613.2	10530.6	8825.8	7448.0	6212.7	5204.1	4579.6
55°	11813.1	12089.9	12138.2	12088.9	11620.0	10547.4	8818.7	7437.6	6203.6	5198.3	4314.4
56°	11620.0	11931.3	12047.5	12047.5	11620.0	10554.3	8820.6	7414.0	6154.3	5102.3	4256.2
57°	11409.3	11751.0	11940.2	12000.3	11617.1	10565.1	8810.7	7393.3	6061.5	4945.4	4258.5
58°	11173.8	11542.2	11811.1	11947.1	11604.3	10580.9	8772.6	7314.9	6042.4	4994.5	4054.7
59°	10917.7	11306.8	11670.3	11884.0	11585.6	10587.8	8734.1	7278.5	6029.2	5051.3	3935.9
60°	10618.3	11040.9	11500.9	11805.2	11552.1	10578.9	8693.7	7220.8	6005.4	5011.8	3926.6
61°	10239.1	10730.6	11314.7	11704.8	11503.8	10544.4	8631.4	7154.2	5951.9	4854.6	3641.4
62°	9787.5	10354.3	11101.9	11580.6	11444.7	10472.5	8543.4	7077.7	5882.8	4829.2	3616.2
63°	9282.8	9927.8	10862.6	11434.9	11364.9	10355.3	8428.7	6988.0	5864.3	4756.8	3410.8
64°	8784.6	9486.3	10594.7	11273.3	11260.5	10205.6	8294.9	6888.9	5800.6	4669.3	3316.7
65°	8353.0	9055.2	10303.1	11092.1	11139.4	10041.1	8160.9	6806.7	5671.8	4624.6	3083.0
66°	8009.6	8677.0	9984.0	10879.3	10992.6	9891.4	7986.8	6703.4	5675.3	4510.4	2976.6
67°	7785.1	8354.8	9678.5	10641.0	10810.4	9716.8	7784.3	6563.8	5711.9	4465.3	2738.1
68°	7669.6	8115.9	9386.4	10367.1	10593.7	9500.2	7496.9	6404.8	5739.9	4372.6	2539.8
69°	7565.5	7944.6	9115.9	10071.6	10329.7	9222.0	7160.6	6211.3	5607.8	4295.4	2307.8
70°	7284.1	7785.8	8854.9	9751.2	10025.3	8814.8	6641.8	5933.7	5461.7	4221.0	2137.4
71°	6727.8	7515.5	8620.3	9425.2	9672.4	8284.3	5974.0	5551.1	5340.9	4123.5	2015.3
72°	5994.3	7055.9	8397.7	9090.6	9281.5	7658.3	5314.1	5135.8	5181.7	4013.5	1893.3
73°	5266.8	6424.5	8147.9	8764.3	8833.3	6956.5	4720.9	4709.0	4934.6	3894.7	1771.3
74°	4579.0	5724.1	7848.3	8432.4	8316.1	6246.2	4169.1	4279.6	4677.9	3738.0	1656.7
75°	3588.4	4953.8	7462.2	8028.1	7754.0	5493.4	3501.6	3838.5	4407.4	3529.1	1494.2
76°	2254.4	4004.3	6916.7	7562.2	7088.1	4665.1	2553.6	3324.0	4121.5	3271.9	1323.8
77°	1065.5	2661.8	6204.2	6915.9	6328.5	3526.2	1605.6	2491.1	3830.7	2903.2	1160.8
78°	836.9	1337.2	5329.9	6073.1	5420.2	2219.7	671.8	1658.1	3503.0	2418.5	992.2
79°	619.3	1025.8	4168.3	5035.3	4354.1	1107.8	306.2	833.6	2978.0	1933.8	841.6
80°	401.7	714.5	2672.8	3766.0	3089.1	824.4	262.5	611.0	2127.1	1449.6	727.1
81°	365.5	403.2	1387.0	2401.6	1792.7	552.4	218.9	388.4	1279.1	1070.5	731.6
82°	332.5	356.4	1038.5	1155.2	806.7	280.4	175.5	171.2	560.2	875.1	681.3
83°	300.9	319.3	705.0	887.2	553.1	236.5	150.4	139.0	424.7	745.8	545.2
84°	268.7	283.1	371.6	623.8	302.9	200.5	126.1	111.6	289.3	591.7	375.7
85°	236.3	247.5	300.8	360.3	243.2	166.3	102.3	87.9	156.1	420.4	268.8
86°	201.4	213.9	241.6	306.3	194.9	132.1	79.2	67.6	128.8	337.3	163.1
87°	167.0	181.8	199.8	244.4	155.2	101.0	56.6	50.2	99.9	254.1	106.6
88°	136.1	150.6	159.0	174.7	120.2	76.7	40.2	35.8	66.4	171.0	73.0
89°	111.4	118.0	116.7	103.5	92.3	52.4	23.8	21.3	46.2	87.8	39.3

REPORT NUMBER: P1445083

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: P1445083

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: P1445083
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: P1445083

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1	6378.1
1°	6287.2	6287.6	6295.6	6309.0	6328.4	6350.3	6373.5	6376.0	6399.6	6423.2	6443.8
2°	6208.6	6205.8	6217.2	6240.2	6273.8	6313.8	6360.7	6387.0	6434.3	6480.8	6523.0
3°	6140.1	6134.8	6149.2	6179.8	6224.2	6282.7	6350.4	6401.6	6474.0	6546.3	6612.4
4°	6080.3	6073.5	6090.6	6126.3	6182.7	6257.7	6345.9	6420.9	6520.1	6620.1	6710.3
5°	6025.0	6018.1	6037.1	6079.7	6145.1	6236.6	6343.9	6443.5	6569.0	6697.8	6818.0
6°	5979.0	5971.8	5992.3	6037.0	6113.9	6218.3	6346.9	6470.7	6622.8	6782.3	6934.9
7°	5941.9	5932.8	5956.0	6004.7	6084.3	6204.3	6351.8	6499.3	6681.4	6874.6	7060.3
8°	5909.2	5898.0	5923.1	5980.3	6063.2	6192.0	6358.6	6529.6	6743.5	6972.9	7193.4
9°	5879.0	5866.3	5893.4	5956.8	6048.8	6180.6	6365.4	6563.3	6809.1	7078.5	7338.6
10°	5854.6	5841.1	5868.4	5937.0	6037.4	6171.7	6377.6	6602.8	6879.3	7190.0	7491.5
11°	5837.4	5823.4	5850.9	5922.1	6028.8	6170.7	6392.6	6647.2	6958.2	7309.6	7657.3
12°	5800.9	5758.8	5814.5	5912.9	6023.9	6175.3	6395.7	6676.6	7041.9	7435.0	7833.5
13°	5734.4	5693.5	5747.7	5907.7	6021.3	6165.1	6405.9	6712.8	7109.8	7575.3	8022.8
14°	5704.0	5687.6	5717.2	5841.1	6022.9	6162.6	6415.7	6749.2	7186.7	7713.6	8223.9
15°	5707.5	5687.7	5717.5	5797.8	6011.7	6163.3	6437.2	6795.8	7265.4	7845.8	8432.9
16°	5711.5	5692.0	5722.0	5802.1	6004.3	6174.2	6457.4	6851.6	7354.0	7987.2	8652.2
17°	5721.0	5699.1	5732.3	5812.0	5959.2	6181.0	6483.0	6906.4	7460.6	8132.3	8876.4
18°	5727.5	5699.8	5739.4	5825.1	5936.6	6194.0	6519.3	6966.5	7554.6	8292.1	9096.4
19°	5731.9	5700.9	5745.3	5844.4	5928.5	6221.0	6563.3	7040.1	7659.3	8452.6	9303.1
20°	5736.4	5677.1	5752.1	5858.4	5935.6	6253.3	6606.2	7114.7	7768.9	8623.0	9519.5
21°	5619.5	5443.8	5643.7	5859.4	5955.8	6278.1	6641.3	7181.3	7894.0	8783.3	9727.4
22°	5451.7	5383.9	5485.2	5863.0	5981.0	6289.1	6660.4	7241.3	8019.4	8949.8	9920.9
23°	5425.3	5390.6	5457.9	5829.4	6000.0	6275.1	6699.9	7283.9	8141.3	9118.7	10118.9
24°	5435.4	5405.6	5470.4	5634.5	6015.7	6290.8	6750.3	7343.5	8254.0	9284.5	10312.0
25°	5454.3	5426.3	5490.8	5582.2	6030.6	6302.1	6780.6	7419.5	8351.6	9453.5	10496.2
26°	5476.3	5444.9	5515.3	5601.0	6053.9	6310.8	6817.8	7480.5	8452.5	9617.8	10680.4
27°	5494.6	5466.2	5536.6	5617.1	6055.1	6349.8	6872.3	7540.1	8568.7	9780.1	10855.7
28°	5513.7	5428.1	5561.8	5630.0	5948.5	6382.1	6923.3	7618.2	8699.7	9931.8	11032.0
29°	5417.5	5212.5	5459.7	5638.2	5845.7	6392.8	6957.1	7706.1	8827.9	10080.5	11211.3
30°	5236.3	5196.1	5280.4	5656.2	5791.7	6404.0	6987.0	7793.7	8940.5	10215.4	11393.5
31°	5229.7	5224.7	5272.9	5674.1	5784.2	6434.9	7031.6	7869.5	9065.1	10350.4	11577.7
32°	5250.6	5260.8	5294.7	5527.0	5800.3	6465.1	7085.0	7936.3	9207.0	10496.2	11757.9
33°	5276.7	5295.0	5321.4	5376.8	5827.5	6470.8	7135.4	8016.3	9354.6	10648.8	11930.3
34°	5301.9	5322.8	5344.4	5371.0	5854.6	6492.7	7163.6	8115.5	9489.4	10800.5	12083.0
35°	5321.9	5346.2	5363.1	5377.9	5867.3	6508.7	7211.7	8213.0	9604.7	10948.3	12185.4
36°	5329.1	5059.3	5365.2	5401.0	5869.4	6519.9	7259.0	8303.3	9704.6	11050.7	12229.8
37°	5038.5	5018.1	5067.8	5430.8	5860.8	6506.5	7297.5	8369.4	9790.9	11111.8	12230.7
38°	4978.4	5047.2	5021.1	5440.8	5715.9	6405.3	7330.7	8448.0	9860.8	11136.4	12199.2
39°	4996.9	5082.4	5039.4	5456.9	5640.6	6335.7	7350.9	8528.7	9918.0	11142.3	12159.8
40°	5021.7	5113.1	5058.0	5269.8	5684.3	6315.8	7377.2	8590.4	9961.3	11153.2	12138.2
41°	5023.9	5085.5	5059.6	5202.7	5714.2	6356.8	7383.8	8645.4	9994.8	11177.8	12129.3
42°	4973.7	4769.0	5012.5	5220.5	5709.5	6381.3	7395.7	8693.0	10034.2	11208.3	12143.1
43°	4691.4	4745.5	4737.5	5210.6	5733.8	6354.3	7441.2	8732.9	10077.5	11244.8	12169.7
44°	4667.9	4762.6	4719.7	5205.5	5767.7	6365.3	7488.9	8768.4	10131.7	11285.1	12194.3

REPORT NUMBER: P1445083

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4691.8	4771.2	4741.7	5204.8	5790.5	6407.5	7539.6	8808.4	10193.8	11324.5	12216.0
46°	4695.5	4635.6	4741.1	4942.4	5624.1	6445.5	7501.5	8837.0	10252.9	11372.8	12237.6
47°	4574.9	4344.0	4608.9	4903.2	5518.8	6465.6	7463.8	8873.0	10313.0	11426.0	12255.4
48°	4324.8	4345.0	4381.2	4916.7	5536.9	6450.0	7496.6	8928.0	10372.0	11477.2	12263.2
49°	4343.6	4350.7	4403.8	4915.2	5572.7	6335.9	7551.0	8975.5	10429.2	11521.5	12258.3
50°	4367.6	4348.5	4430.0	4874.5	5563.4	6306.1	7579.2	9014.7	10479.4	11570.8	12248.5
51°	4381.4	3949.0	4449.1	4616.9	5546.6	6317.2	7592.7	9036.2	10520.8	11613.2	12237.6
52°	4041.1	3909.2	4095.1	4624.0	5343.8	6328.8	7622.4	9006.3	10554.3	11647.6	12223.8
53°	3995.8	3903.8	4055.3	4658.0	5313.2	6368.8	7627.5	8947.7	10584.8	11668.3	12207.1
54°	3986.1	3607.2	4044.8	4682.3	5329.7	6363.1	7609.0	8914.3	10599.6	11675.2	12185.4
55°	3707.9	3426.3	3751.5	4401.1	5326.2	6350.9	7593.6	8910.6	10605.5	11674.2	12160.8
56°	3563.6	3417.8	3622.8	4355.3	5208.4	6297.2	7561.7	8911.8	10608.4	11676.2	12127.3
57°	3559.7	3040.0	3617.6	4359.3	5091.2	6208.2	7527.6	8890.3	10614.4	11668.3	12079.1
58°	3218.5	2952.4	3263.7	4131.7	5143.2	6194.1	7437.1	8836.1	10611.4	11646.6	12011.1
59°	3131.5	2884.3	3186.2	4046.2	5198.6	6173.7	7407.5	8792.5	10600.6	11617.1	11927.4
60°	2986.2	2446.0	3007.5	4027.4	5130.5	6144.0	7322.0	8740.8	10564.1	11575.7	11832.8
61°	2697.0	2227.7	2748.5	3738.0	4989.7	6073.7	7244.4	8671.7	10492.2	11521.5	11728.4
62°	2569.4	2009.5	2577.4	3720.5	4966.0	6008.6	7148.9	8577.7	10375.0	11441.8	11613.2
63°	2314.1	1790.0	2332.4	3481.2	4874.5	5982.6	7044.8	8445.9	10235.1	11340.3	11475.2
64°	2058.8	1451.6	2087.3	3407.4	4797.3	5901.6	6940.7	8312.3	10068.7	11224.1	11306.8
65°	1801.3	1119.5	1842.0	3158.9	4742.1	5782.8	6839.9	8155.1	9912.1	11080.3	11105.9
66°	1468.4	836.5	1488.4	3038.3	4626.2	5798.9	6708.1	7941.2	9741.7	10912.8	10882.3
67°	1192.8	556.3	1172.3	2819.4	4581.1	5818.5	6536.0	7700.6	9534.3	10717.8	10636.0
68°	872.5	276.1	866.1	2594.3	4467.2	5798.9	6346.4	7375.7	9262.8	10486.3	10371.1
69°	631.9	0.6	607.5	2321.5	4370.4	5606.7	6120.4	6942.5	8909.3	10212.5	10081.5
70°	568.6	0.5	532.0	2155.6	4279.4	5426.6	5790.2	6313.7	8450.3	9895.3	9758.2
71°	506.3	0.5	464.1	2022.2	4160.4	5262.2	5353.2	5606.2	7857.9	9531.6	9410.8
72°	437.4	0.5	395.1	1888.8	4036.1	5064.6	4902.0	4961.8	7170.1	9131.1	9073.9
73°	363.4	0.6	321.1	1755.0	3876.9	4789.4	4481.2	4420.7	6453.1	8641.0	8725.7
74°	297.2	0.6	249.5	1604.0	3655.3	4525.5	4056.4	3816.3	5711.2	8048.1	8352.6
75°	235.2	0.7	204.9	1421.1	3404.4	4258.4	3505.7	2947.3	4920.8	7377.4	7922.6
76°	173.7	0.8	189.5	1257.5	3072.9	3944.8	2674.8	1851.0	3952.7	6637.3	7408.4
77°	133.9	0.9	207.5	1103.5	2625.0	3603.1	1843.8	883.7	2731.3	5823.4	6742.1
78°	144.0	1.1	191.1	948.8	2174.4	3134.9	1015.2	564.6	1490.9	4846.4	5776.6
79°	195.4	1.2	174.8	829.3	1723.8	2318.6	416.0	260.4	1095.5	3737.2	4627.0
80°	201.5	1.4	158.0	763.4	1277.8	1502.3	298.1	220.9	700.3	2450.2	3306.5
81°	182.6	1.6	98.7	706.0	1014.5	703.8	181.7	192.9	305.0	1247.5	1963.4
82°	132.8	1.9	54.7	603.8	847.3	523.6	149.3	167.2	258.0	925.3	854.0
83°	83.2	2.1	41.7	442.3	657.7	343.4	123.5	142.5	222.1	605.0	615.1
84°	49.6	2.3	28.8	280.8	437.7	165.0	101.2	118.5	189.2	284.8	402.3
85°	37.9	2.6	15.9	120.7	289.9	135.4	80.6	93.3	155.4	224.8	350.1
86°	26.1	2.9	13.4	71.2	142.7	107.7	62.2	71.5	123.0	180.5	294.4
87°	14.6	3.1	11.6	43.1	75.8	79.5	46.0	49.9	93.2	143.2	231.5
88°	11.5	3.4	9.8	30.5	52.3	55.0	32.5	28.2	68.7	108.6	159.0
89°	7.9	3.7	7.3	17.9	28.9	30.4	18.9	12.4	44.2	84.3	92.4

REPORT NUMBER: P1445083

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: P1445083

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: P1445083
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: P1445083

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6378.1	6378.1	6378.1
1°	6459.6	6471.4	6475.2
2°	6557.4	6581.5	6588.3
3°	6665.2	6699.8	6711.9
4°	6784.4	6835.5	6851.8
5°	6918.2	6982.9	7005.1
6°	7058.8	7142.3	7171.3
7°	7213.2	7317.8	7354.1
8°	7379.7	7505.1	7546.9
9°	7557.3	7706.6	7760.3
10°	7750.9	7927.0	7990.5
11°	7959.2	8163.1	8235.1
12°	8179.4	8413.3	8498.4
13°	8416.0	8687.3	8788.0
14°	8663.9	8971.0	9090.4
15°	8926.3	9269.4	9403.2
16°	9193.2	9578.0	9723.3
17°	9471.4	9892.4	10041.1
18°	9749.3	10201.6	10355.3
19°	10023.4	10497.1	10663.6
20°	10288.3	10783.8	10962.1
21°	10544.4	11058.6	11241.8
22°	10785.8	11314.7	11506.8
23°	11021.2	11569.8	11757.9
24°	11244.8	11818.0	11997.3
25°	11470.3	12055.4	12220.9
26°	11695.9	12271.1	12417.9
27°	11908.6	12464.2	12590.3
28°	12092.8	12631.6	12756.7
29°	12263.2	12799.1	12924.2
30°	12444.5	12990.2	13127.1
31°	12625.7	13166.5	13293.6
32°	12792.2	13296.5	13419.6
33°	12909.4	13363.5	13469.9
34°	12965.6	13357.6	13442.3
35°	12956.7	13280.8	13350.7
36°	12907.4	13163.5	13227.6
37°	12822.7	13043.4	13119.2
38°	12742.0	12966.5	13071.9
39°	12693.7	12930.1	13057.2
40°	12672.0	12913.4	13053.2
41°	12662.2	12905.5	13049.3
42°	12652.3	12900.5	13036.5
43°	12642.5	12890.7	13007.9
44°	12634.6	12874.0	12965.6

REPORT NUMBER: P1445083

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12626.7	12842.4	12905.5
46°	12616.9	12802.0	12836.5
47°	12602.1	12756.7	12756.7
48°	12579.4	12705.5	12674.0
49°	12545.9	12652.3	12585.3
50°	12503.6	12598.2	12488.8
51°	12448.4	12539.0	12382.4
52°	12388.3	12464.2	12260.3
53°	12326.3	12371.6	12128.3
54°	12263.2	12257.3	11980.6
55°	12193.3	12123.4	11813.1
56°	12108.6	11964.8	11620.0
57°	12003.2	11787.5	11409.3
58°	11868.3	11572.8	11173.8
59°	11720.5	11336.4	10917.7
60°	11551.1	11077.3	10618.3
61°	11360.0	10779.8	10239.1
62°	11144.3	10419.3	9787.5
63°	10915.8	9998.7	9282.8
64°	10662.6	9543.5	8784.6
65°	10378.0	9115.4	8353.0
66°	10075.6	8738.6	8009.6
67°	9771.7	8426.6	7785.1
68°	9463.6	8179.5	7669.6
69°	9195.4	7997.4	7565.5
70°	8967.7	7835.4	7284.1
71°	8731.8	7583.8	6727.8
72°	8473.2	7132.1	5994.3
73°	8218.1	6497.1	5266.8
74°	7920.6	5783.1	4579.0
75°	7468.4	5003.5	3588.4
76°	6868.6	4045.6	2254.4
77°	6174.3	2794.6	1065.5
78°	5316.8	1495.9	836.9
79°	4116.5	1127.0	619.3
80°	2549.2	771.2	401.7
81°	1287.2	415.4	365.5
82°	964.5	361.7	332.5
83°	670.1	326.3	300.9
84°	375.8	288.8	268.7
85°	296.0	250.3	236.3
86°	240.7	214.8	201.4
87°	198.1	181.9	167.0
88°	157.3	149.6	136.1
89°	112.9	116.9	111.4

REPORT NUMBER: P1445083

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: P1445083

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: P1445083

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)