

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: P1445069

Luminaire Tested: XAS300-SFPM (4000K-180W-T3-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445069
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-180W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 25270.2 lumens
Efficiency: 65.8%
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 181.2
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

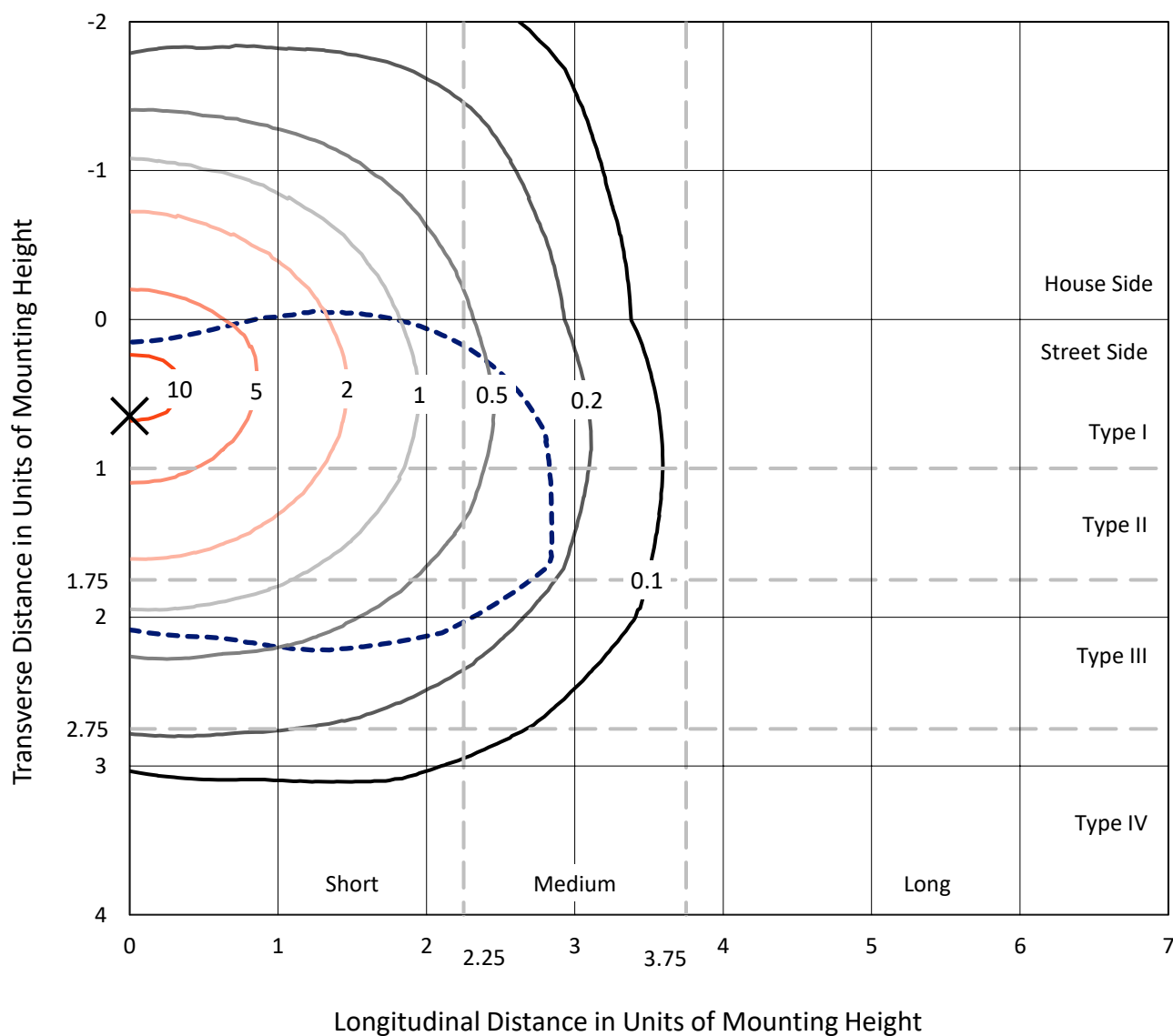
REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

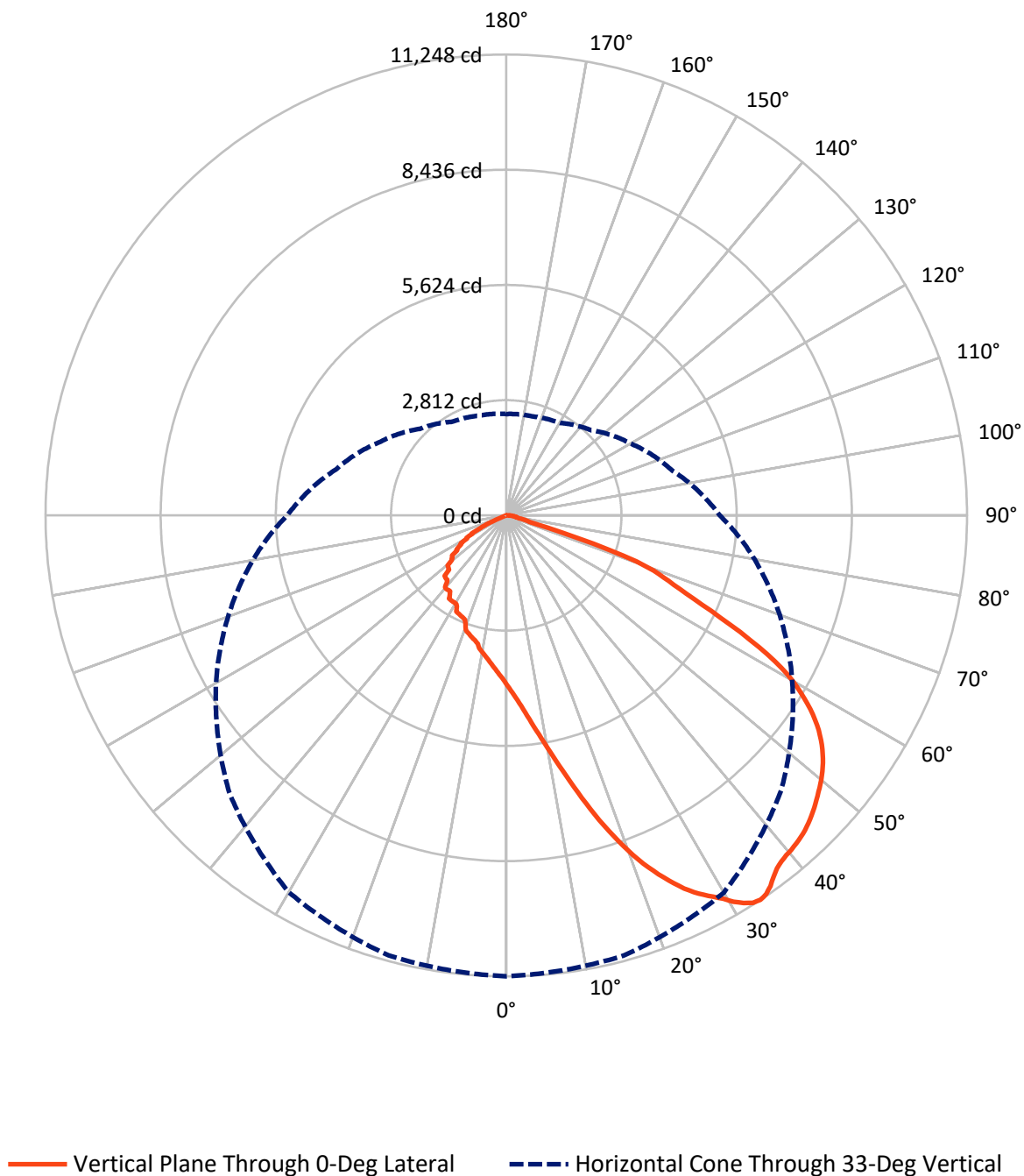


Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

Luminous Intensity Polar Plot



REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

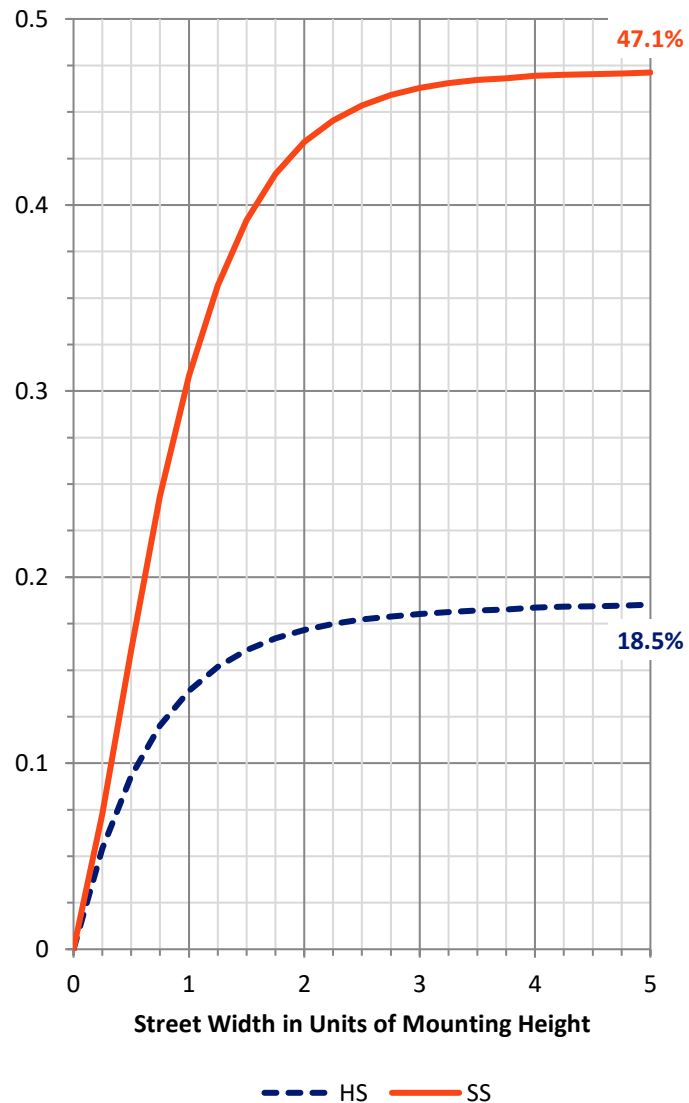
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7155.0	0.0	7155.0
	% Lamp	18.6	0.0	18.6
Street Side	Lumens	18115.2	0.0	18115.2
	% Lamp	47.2	0.0	47.2
Total	Lumens	25270.2	0.0	25270.2
	% Lamp	65.8	0.0	65.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	412.2	1.6	1.1
10°-20°	1388.1	5.5	3.6
20°-30°	2633.3	10.4	6.9
30°-40°	3879.7	15.4	10.1
40°-50°	4728.6	18.7	12.3
50°-60°	5172.5	20.5	13.5
60°-70°	4576.5	18.1	11.9
70°-80°	2267.1	9.0	5.9
80°-90°	212.1	0.8	0.6
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°	25270.2	100.0	65.8
0°-180°	25270.2	100.0	65.8

Coefficient of Utilization



REPORT NUMBER: P1445069

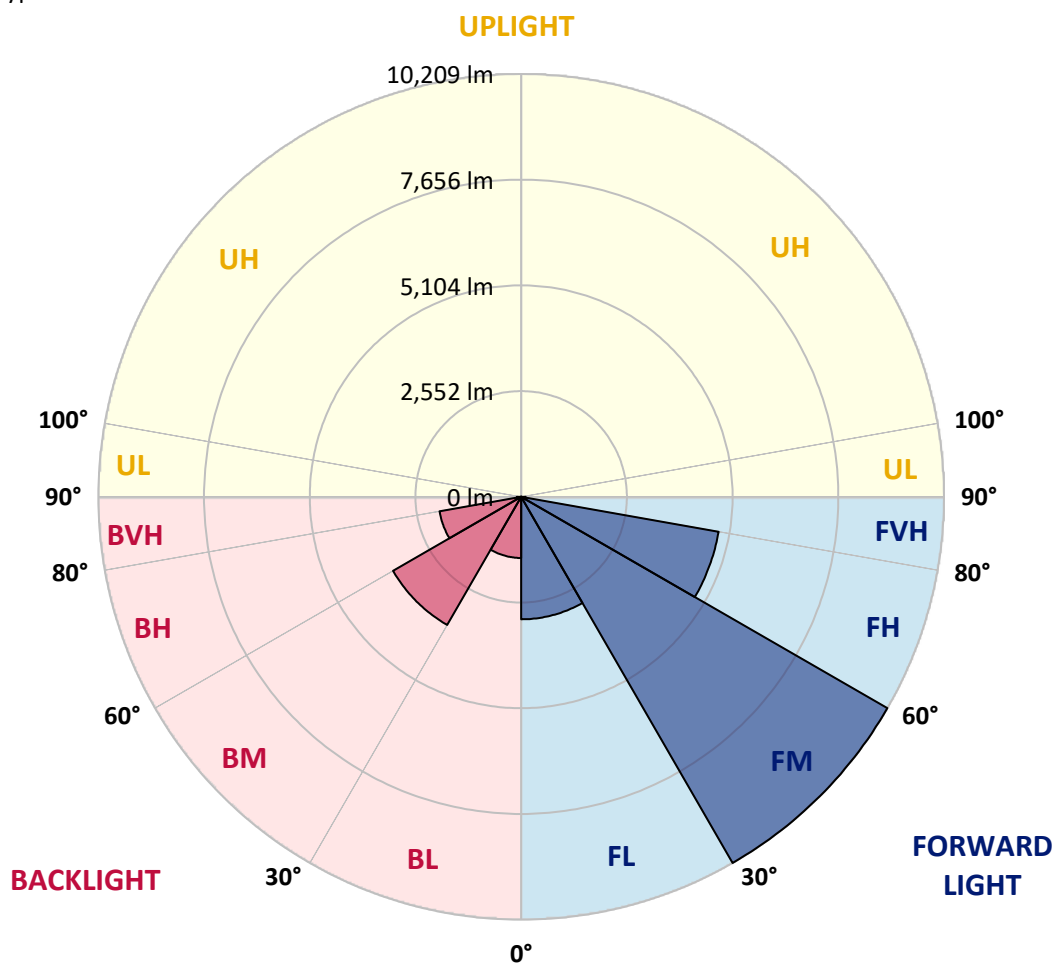
CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2957.5	7.7			
FM	(30°-60°)	10208.6	26.6			
FH	(60°-80°)	4841.4	12.6			G2/5000
FVH	(80°-90°)	107.7	0.3			G2/225
BL	(0°-30°)	1476.1	3.8	B3/2500		
BM	(30°-60°)	3572.2	9.3	B3/5000		
BH	(60°-80°)	2002.2	5.2	B3/2500		G3/2500
BVH	(80°-90°)	104.4	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		13105.8	34.2			

BUG Rating: B3-U0-G3

Type III Short



REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6
1°	4267.0	4265.7	4255.7	4240.6	4219.7	4193.7	4153.6	4126.7	4101.5	4081.7	4067.1
2°	4388.7	4381.7	4357.8	4322.2	4275.8	4223.0	4153.9	4100.4	4052.3	4013.2	3984.3
3°	4520.4	4508.4	4469.3	4412.2	4337.4	4255.1	4158.0	4078.8	4008.9	3951.8	3909.7
4°	4668.7	4648.6	4593.6	4511.5	4407.1	4295.4	4167.5	4062.4	3969.1	3893.7	3841.1
5°	4830.8	4806.0	4729.7	4618.5	4485.5	4340.7	4182.2	4051.3	3934.2	3843.7	3777.4
6°	5008.6	4975.3	4880.2	4739.1	4569.1	4389.1	4197.7	4042.0	3903.9	3796.4	3715.4
7°	5199.4	5160.1	5042.4	4866.6	4658.8	4440.2	4216.1	4034.1	3876.1	3749.5	3658.5
8°	5405.0	5356.5	5216.2	5007.0	4754.8	4495.1	4236.9	4028.5	3850.0	3706.7	3607.0
9°	5626.3	5567.1	5404.0	5154.7	4858.2	4554.8	4261.2	4023.5	3823.9	3668.7	3558.0
10°	5861.7	5793.3	5600.3	5313.8	4966.5	4618.1	4286.0	4021.1	3797.7	3633.6	3511.9
11°	6115.3	6037.0	5816.1	5481.8	5082.3	4687.6	4314.2	4021.1	3774.7	3600.1	3469.0
12°	6386.8	6294.1	6042.6	5657.8	5203.7	4759.7	4334.5	4013.1	3755.3	3566.2	3430.6
13°	6678.3	6569.6	6277.3	5845.4	5335.4	4821.1	4354.0	4002.7	3727.3	3534.7	3394.1
14°	6979.3	6861.4	6526.0	6042.0	5471.9	4886.6	4381.5	3997.1	3701.2	3506.9	3340.8
15°	7293.4	7157.1	6784.3	6245.8	5599.3	4958.2	4411.4	3995.3	3676.3	3471.0	3269.0
16°	7614.0	7461.9	7047.7	6454.8	5735.0	5034.4	4451.4	4003.8	3656.3	3437.9	3235.5
17°	7936.0	7765.5	7317.1	6667.1	5872.9	5118.4	4486.2	4005.7	3642.9	3390.0	3209.9
18°	8248.2	8067.7	7581.1	6879.8	6009.4	5207.3	4525.8	4012.9	3625.8	3335.7	3186.7
19°	8555.7	8362.7	7843.8	7082.6	6156.4	5291.6	4572.1	4030.8	3616.1	3307.0	3167.1
20°	8850.7	8645.2	8098.0	7276.2	6299.7	5382.7	4623.1	4050.0	3613.2	3284.3	3146.2
21°	9129.9	8918.5	8340.3	7475.8	6451.4	5477.4	4675.2	4065.3	3612.9	3265.4	3121.9
22°	9386.0	9175.3	8572.8	7658.8	6591.4	5580.3	4718.3	4064.2	3603.3	3253.9	3094.9
23°	9634.9	9424.9	8801.9	7836.6	6738.9	5685.3	4743.2	4068.6	3583.5	3246.3	3071.6
24°	9865.4	9661.9	9021.9	8010.4	6883.1	5780.3	4776.2	4087.1	3560.8	3230.8	2955.0
25°	10086.6	9883.8	9234.6	8187.6	7022.7	5867.3	4823.7	4095.8	3545.9	3217.3	2866.6
26°	10274.3	10084.7	9442.6	8353.5	7166.9	5942.7	4873.1	4101.7	3530.1	3205.2	2847.2
27°	10438.9	10261.1	9640.2	8516.2	7310.5	6028.0	4904.6	4119.5	3532.2	3189.5	2833.7
28°	10589.7	10419.2	9823.2	8672.9	7452.7	6127.5	4950.7	4138.9	3535.6	3164.4	2819.5
29°	10749.7	10575.9	9985.2	8823.7	7582.4	6237.3	5006.1	4156.5	3532.8	3058.9	2799.9
30°	10938.7	10757.6	10151.8	8979.1	7705.6	6332.7	5067.2	4158.3	3517.0	2989.5	2780.3
31°	11093.5	10920.9	10326.3	9147.6	7808.3	6425.7	5125.2	4164.1	3515.0	2963.2	2767.6
32°	11208.7	11049.3	10488.3	9322.8	7923.5	6519.2	5170.5	4182.7	3517.4	2946.2	2752.2
33°	11248.2	11116.5	10625.3	9489.4	8061.8	6623.7	5211.8	4203.0	3506.4	2938.9	2605.9
34°	11210.7	11100.0	10700.3	9639.5	8202.1	6738.9	5265.2	4213.7	3502.9	2936.2	2575.9
35°	11106.6	11015.1	10689.8	9746.9	8334.4	6855.5	5328.8	4230.9	3505.9	2933.6	2563.5
36°	10973.0	10897.9	10617.4	9810.7	8453.6	6966.1	5392.2	4261.2	3502.5	2922.8	2557.0
37°	10853.8	10768.8	10517.9	9812.1	8526.0	7051.0	5437.4	4277.8	3498.9	2911.4	2560.7
38°	10787.9	10683.2	10419.2	9773.2	8566.2	7124.8	5482.1	4291.9	3485.4	2885.3	2562.8
39°	10749.7	10638.5	10350.7	9726.5	8571.5	7184.7	5547.7	4307.2	3393.6	2785.7	2557.4
40°	10721.4	10608.2	10312.5	9691.6	8552.4	7220.3	5606.5	4319.6	3345.0	2791.6	2528.1
41°	10688.5	10583.8	10288.1	9671.1	8547.8	7240.7	5647.9	4340.7	3360.3	2810.3	2427.6
42°	10646.4	10557.5	10265.7	9654.7	8560.9	7259.1	5673.1	4346.9	3380.9	2816.5	2431.6
43°	10593.0	10525.2	10242.0	9648.1	8578.7	7282.2	5686.9	4361.9	3384.7	2815.3	2427.1
44°	10527.8	10485.7	10214.4	9649.4	8601.8	7301.9	5693.3	4368.1	3373.9	2826.2	2403.5

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10449.5	10435.6	10178.8	9648.1	8628.8	7330.9	5706.9	4393.2	3386.6	2835.6	2387.1
46°	10363.2	10373.7	10137.3	9636.9	8649.8	7369.7	5725.2	4392.1	3403.9	2808.1	2308.2
47°	10272.3	10309.2	10089.3	9621.1	8667.0	7411.9	5732.3	4344.5	3401.8	2691.8	2216.5
48°	10178.2	10238.8	10035.3	9607.9	8684.7	7448.8	5762.2	4343.1	3413.0	2678.2	2215.8
49°	10084.7	10163.0	9972.1	9586.9	8705.1	7477.1	5796.0	4362.5	3360.6	2685.0	2208.0
50°	9985.2	10084.0	9903.6	9551.3	8714.4	7501.4	5826.8	4383.3	3293.7	2682.2	2197.9
51°	9872.6	9992.5	9826.5	9509.2	8726.2	7523.2	5853.0	4385.1	3296.0	2667.9	2076.9
52°	9744.9	9887.1	9740.9	9461.7	8740.7	7534.4	5862.3	4396.1	3281.1	2607.0	2050.0
53°	9603.3	9767.3	9648.8	9411.7	8745.3	7537.7	5825.5	4415.7	3301.8	2529.2	2058.4
54°	9441.3	9621.8	9548.0	9353.8	8735.4	7543.6	5784.8	4395.1	3311.9	2533.8	2063.8
55°	9257.0	9452.5	9440.7	9284.0	8711.1	7537.7	5770.7	4391.0	3311.8	2530.6	1988.8
56°	9042.9	9255.6	9316.9	9204.3	8678.1	7519.9	5762.5	4381.2	3296.7	2513.4	1932.1
57°	8801.9	9031.8	9173.3	9117.4	8640.0	7502.8	5750.3	4372.2	3251.8	2396.6	1933.2
58°	8530.6	8778.9	9005.4	9023.2	8591.2	7492.9	5712.9	4331.1	3229.2	2418.0	1888.9
59°	8234.3	8500.4	8824.3	8915.2	8537.9	7475.8	5681.3	4289.2	3230.5	2448.8	1796.8
60°	7893.2	8193.5	8614.3	8792.1	8470.7	7448.8	5643.1	4274.0	3228.7	2474.1	1801.1
61°	7465.2	7834.6	8382.5	8645.2	8385.1	7403.3	5597.8	4235.1	3215.0	2391.5	1711.7
62°	6956.9	7411.9	8117.1	8474.7	8288.3	7341.4	5523.4	4196.8	3177.0	2382.9	1693.6
63°	6379.8	6929.9	7818.8	8277.8	8175.1	7244.6	5439.9	4145.5	3181.5	2392.2	1656.5
64°	5791.0	6415.5	7478.4	8061.8	8042.1	7115.6	5337.5	4079.0	3161.2	2345.6	1587.3
65°	5255.2	5907.1	7106.3	7822.8	7893.9	6962.1	5238.8	4036.9	3089.3	2350.9	1530.2
66°	4790.8	5411.5	6708.6	7546.9	7721.4	6824.5	5110.9	3966.8	3081.8	2310.5	1504.4
67°	4425.6	4961.1	6304.4	7245.9	7525.1	6669.1	4963.1	3881.1	3108.5	2305.0	1420.9
68°	4132.1	4569.4	5899.2	6906.2	7298.0	6481.5	4745.4	3774.5	3135.2	2309.5	1360.0
69°	3840.1	4232.4	5487.9	6538.9	7026.7	6256.4	4529.4	3644.8	3106.4	2300.5	1299.2
70°	3385.3	3885.1	5082.0	6158.0	6719.2	5968.6	4196.8	3458.2	3035.3	2310.2	1239.0
71°	2663.3	3433.5	4686.2	5770.2	6384.8	5596.6	3757.5	3202.5	2980.0	2305.3	1217.7
72°	1810.4	2808.4	4287.4	5383.9	6023.9	5182.5	3327.1	2932.6	2919.5	2356.6	1209.4
73°	1058.2	2050.5	3855.0	4991.2	5631.5	4680.8	2924.2	2694.3	2798.6	2334.8	1172.2
74°	597.6	1312.0	3381.1	4591.1	5188.3	4135.8	2552.7	2496.5	2673.4	2328.6	1177.2
75°	498.5	771.2	2852.8	4152.7	4700.0	3545.7	2109.8	2290.3	2560.4	2309.0	1153.1
76°	411.9	625.5	2264.5	3648.3	4139.2	2917.9	1483.8	1994.8	2465.5	2253.2	1095.4
77°	325.4	482.3	1707.7	3019.9	3508.4	2164.6	859.4	1492.5	2377.5	2137.6	1008.1
78°	290.7	339.2	1279.8	2247.5	2798.9	1379.3	397.3	990.2	2304.9	1950.1	892.8
79°	267.4	299.1	936.0	1431.7	2086.6	722.4	198.3	489.9	2089.9	1630.7	773.8
80°	246.4	268.5	674.4	775.2	1398.2	545.0	170.7	364.9	1549.7	1311.2	680.0
81°	226.6	241.5	539.6	603.7	790.9	368.9	143.0	239.8	1009.7	993.7	694.7
82°	207.7	218.2	406.5	448.5	586.6	192.8	115.5	116.5	473.4	814.0	652.6
83°	188.6	198.0	273.4	293.3	387.7	159.6	98.7	92.5	355.6	694.4	522.5
84°	168.8	176.8	230.9	257.5	188.7	136.2	82.4	72.6	237.9	549.5	359.5
85°	149.0	155.5	184.0	224.5	148.6	112.5	66.5	56.3	120.6	391.2	237.5
86°	128.4	134.8	144.5	191.3	118.9	88.3	51.1	42.6	101.2	313.5	168.7
87°	107.2	115.1	119.2	154.1	93.4	66.4	36.4	31.3	79.2	235.9	100.0
88°	87.9	95.3	95.6	110.3	71.2	49.9	25.7	22.3	51.7	158.2	60.9
89°	72.5	75.5	72.3	64.9	54.7	33.6	15.0	13.3	35.7	80.5	41.6

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069
CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6
1°	4059.2	4057.8	4064.7	4078.6	4096.8	4121.1	4146.8	4162.3	4187.3	4211.7	4233.5
2°	3968.6	3964.7	3975.5	3999.3	4033.3	4077.7	4127.4	4171.3	4222.8	4274.6	4320.3
3°	3885.4	3879.2	3892.4	3924.5	3973.4	4037.2	4111.4	4182.3	4261.9	4341.5	4414.6
4°	3809.2	3800.6	3817.5	3856.0	3918.2	4000.4	4097.3	4197.7	4306.1	4415.1	4516.0
5°	3737.2	3726.6	3745.9	3792.8	3867.1	3966.7	4086.2	4214.0	4351.3	4495.0	4627.9
6°	3668.5	3656.2	3677.0	3730.0	3818.0	3934.7	4077.4	4233.4	4400.2	4578.3	4747.7
7°	3604.2	3590.4	3613.2	3672.7	3768.8	3905.1	4070.0	4254.5	4453.5	4669.0	4874.7
8°	3545.4	3528.1	3553.5	3621.3	3725.3	3875.8	4063.6	4276.3	4509.9	4764.9	5010.3
9°	3487.6	3466.8	3495.2	3570.5	3686.6	3846.5	4057.4	4300.4	4568.8	4866.5	5156.9
10°	3433.0	3410.5	3441.0	3521.2	3649.3	3818.8	4054.3	4326.8	4631.8	4973.3	5312.1
11°	3384.9	3360.0	3389.9	3476.2	3613.0	3795.4	4053.6	4358.6	4699.4	5087.8	5478.2
12°	3341.8	3305.7	3343.1	3434.6	3578.9	3776.9	4043.7	4379.0	4771.3	5208.1	5652.9
13°	3261.5	3206.8	3263.4	3395.0	3545.1	3747.7	4038.3	4404.8	4832.5	5338.3	5839.7
14°	3198.0	3165.1	3198.6	3342.3	3515.6	3722.9	4032.8	4428.2	4898.7	5470.0	6033.5
15°	3164.7	3129.0	3162.9	3265.1	3479.5	3700.4	4033.1	4460.4	4967.3	5596.4	6240.4
16°	3133.1	3095.7	3130.4	3233.0	3448.4	3684.1	4036.4	4500.7	5043.8	5730.8	6451.5
17°	3105.4	3064.6	3102.7	3206.8	3408.4	3667.1	4043.0	4536.8	5133.1	5869.3	6671.1
18°	3075.5	3029.7	3072.2	3184.0	3355.6	3654.7	4054.3	4578.2	5212.6	6015.8	6881.8
19°	3045.5	2996.6	3043.1	3166.1	3321.5	3651.5	4073.6	4630.2	5302.8	6163.5	7087.9
20°	3015.3	2960.1	3015.5	3145.4	3300.4	3653.2	4093.8	4684.6	5393.4	6319.2	7294.0
21°	2981.1	2834.8	2984.9	3120.6	3286.8	3653.3	4107.7	4733.3	5495.8	6471.0	7489.6
22°	2827.5	2742.8	2840.2	3097.2	3278.7	3645.6	4111.9	4776.4	5601.2	6623.7	7676.6
23°	2767.7	2717.3	2780.2	3078.9	3271.2	3632.4	4125.5	4808.0	5703.5	6777.1	7862.9
24°	2745.8	2699.5	2761.0	2963.1	3257.3	3619.7	4150.1	4848.6	5798.5	6927.9	8046.7
25°	2731.8	2684.8	2747.6	2885.3	3243.9	3608.9	4160.4	4904.1	5882.7	7080.0	8217.2
26°	2718.7	2669.2	2736.1	2873.2	3235.9	3591.6	4175.0	4952.1	5969.9	7230.1	8391.0
27°	2704.5	2657.8	2723.7	2862.9	3218.1	3599.1	4198.6	4993.9	6066.9	7379.6	8559.0
28°	2694.1	2644.1	2714.3	2847.8	3196.5	3604.5	4222.1	5047.1	6178.4	7519.2	8728.9
29°	2681.7	2527.9	2703.1	2829.8	3094.7	3594.9	4237.1	5110.3	6290.8	7655.5	8893.5
30°	2548.7	2480.2	2568.0	2814.4	3027.6	3581.5	4241.0	5175.1	6386.6	7782.0	9060.7
31°	2510.3	2475.1	2531.0	2801.0	3001.0	3581.3	4257.9	5234.5	6497.9	7907.7	9239.2
32°	2503.5	2475.3	2524.4	2785.1	2989.1	3584.3	4283.6	5283.0	6618.4	8043.4	9402.5
33°	2499.2	2474.2	2520.8	2638.8	2985.6	3572.0	4311.4	5344.8	6749.5	8179.7	9561.8
34°	2494.3	2469.1	2515.2	2609.2	2983.7	3570.9	4323.3	5417.7	6866.7	8317.3	9695.5
35°	2485.6	2464.2	2506.5	2596.7	2981.0	3571.1	4349.3	5489.7	6970.0	8446.4	9784.4
36°	2475.9	2370.5	2495.6	2592.1	2968.4	3567.0	4380.2	5558.8	7060.3	8533.3	9816.0
37°	2378.2	2303.7	2385.3	2596.1	2958.3	3561.1	4400.2	5606.0	7134.7	8580.7	9804.8
38°	2299.4	2305.2	2319.2	2596.5	2927.5	3549.1	4417.2	5656.5	7192.0	8592.5	9759.4
39°	2294.0	2311.8	2313.1	2595.9	2831.5	3461.1	4421.7	5710.4	7231.5	8582.0	9707.4
40°	2292.6	2314.7	2308.8	2559.9	2847.4	3416.0	4426.9	5745.7	7255.2	8576.1	9671.1
41°	2280.7	2304.0	2294.7	2469.2	2867.4	3429.8	4431.8	5771.0	7267.0	8582.0	9650.1
42°	2255.6	2176.7	2269.7	2472.8	2865.9	3447.6	4438.0	5793.7	7288.1	8594.5	9646.1
43°	2130.2	2133.3	2146.9	2462.9	2868.9	3436.6	4451.9	5812.7	7310.5	8612.3	9654.7
44°	2080.6	2130.0	2102.7	2439.6	2878.0	3429.8	4465.6	5826.1	7341.4	8632.7	9658.6

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2076.5	2122.8	2099.2	2423.9	2887.3	3443.1	4489.5	5848.3	7377.6	8652.5	9656.0
46°	2069.2	2109.5	2089.9	2327.5	2845.2	3465.3	4472.4	5863.1	7415.2	8678.1	9653.4
47°	2050.1	1927.0	2074.3	2262.1	2739.9	3468.7	4429.3	5876.5	7446.8	8707.1	9644.8
48°	1891.6	1909.6	1917.7	2261.8	2731.8	3481.1	4436.8	5907.4	7473.8	8730.2	9628.3
49°	1882.5	1895.6	1914.4	2249.8	2739.2	3413.8	4458.2	5935.0	7502.1	8747.9	9598.7
50°	1881.0	1881.9	1914.9	2243.7	2732.3	3370.4	4475.3	5958.3	7527.1	8765.7	9560.5
51°	1878.9	1732.4	1915.2	2116.3	2720.8	3374.1	4477.7	5976.6	7540.3	8774.9	9521.0
52°	1764.6	1679.3	1793.3	2099.1	2629.4	3367.0	4488.2	5974.9	7544.9	8776.3	9478.9
53°	1729.0	1668.5	1762.9	2109.4	2587.6	3389.6	4501.0	5925.4	7550.2	8767.0	9427.5
54°	1718.7	1646.7	1752.1	2118.7	2594.1	3392.0	4484.0	5880.1	7542.3	8744.0	9368.2
55°	1696.3	1471.7	1720.9	2025.0	2593.7	3392.8	4480.1	5863.5	7521.9	8712.4	9305.7
56°	1553.9	1470.7	1587.5	1988.0	2575.8	3388.1	4464.6	5852.1	7498.1	8678.8	9231.3
57°	1556.7	1385.1	1592.3	1988.8	2473.1	3329.6	4453.7	5835.4	7481.0	8635.3	9140.4
58°	1459.4	1300.6	1486.1	1924.2	2501.0	3321.4	4392.7	5793.5	7459.3	8582.0	9031.1
59°	1402.5	1304.1	1440.0	1861.6	2535.2	3321.7	4368.0	5753.4	7430.3	8519.5	8905.3
60°	1353.8	1115.1	1393.2	1872.8	2557.7	3317.0	4332.2	5701.7	7385.5	8441.8	8767.0
61°	1305.1	1117.6	1346.3	1774.7	2478.3	3292.9	4287.3	5658.7	7328.3	8354.2	8616.9
62°	1253.1	947.4	1297.1	1766.7	2474.7	3253.6	4236.9	5586.8	7233.4	8247.5	8449.7
63°	1090.1	940.7	1132.5	1717.1	2468.7	3250.8	4177.7	5500.2	7111.0	8122.4	8258.0
64°	1079.6	735.0	1110.1	1664.3	2438.3	3219.1	4113.4	5391.9	6961.5	7979.5	8037.4
65°	915.8	651.2	951.7	1598.1	2447.9	3139.2	4048.9	5283.8	6821.2	7816.9	7785.2
66°	795.8	527.1	820.1	1587.3	2407.8	3151.0	3969.9	5126.5	6663.8	7633.1	7508.7
67°	724.1	351.0	716.6	1504.0	2401.4	3170.8	3868.2	4955.9	6480.7	7427.0	7201.8
68°	572.7	174.9	591.1	1436.2	2394.7	3182.1	3740.7	4701.6	6271.0	7188.0	6880.5
69°	380.9	0.4	397.8	1368.5	2386.1	3115.5	3591.4	4423.4	6009.6	6918.0	6533.5
70°	368.9	0.3	382.7	1302.2	2397.5	3028.2	3362.4	4017.8	5692.4	6609.9	6156.2
71°	368.2	0.3	369.3	1283.3	2386.2	2946.3	3067.9	3546.6	5280.6	6271.9	5750.3
72°	350.3	0.3	341.8	1267.3	2432.2	2862.3	2792.1	3113.6	4837.3	5906.2	5351.3
73°	314.9	0.3	292.1	1217.9	2393.2	2728.4	2582.4	2723.6	4299.9	5487.7	4942.8
74°	271.2	0.3	231.7	1199.3	2338.1	2605.6	2396.9	2311.3	3727.1	5006.2	4527.3
75°	217.6	0.3	191.4	1150.2	2281.6	2511.5	2113.3	1755.1	3130.0	4461.8	4069.0
76°	163.5	0.3	177.0	1076.1	2160.7	2422.6	1601.6	1085.9	2469.7	3869.2	3562.5
77°	124.3	0.4	197.0	979.2	1983.2	2329.6	1089.7	523.5	1704.6	3214.6	2917.8
78°	134.4	0.4	225.2	865.2	1756.3	2132.0	583.5	343.7	967.0	2508.2	2092.1
79°	185.7	0.5	181.6	771.3	1483.8	1610.3	244.0	173.7	710.8	1820.7	1268.7
80°	194.9	0.5	137.9	721.3	1211.3	1088.7	182.5	147.2	460.0	1177.3	647.0
81°	156.2	0.6	94.3	674.8	942.5	567.2	122.0	128.1	209.2	643.0	519.0
82°	117.6	0.7	50.1	575.6	787.3	418.9	97.9	110.6	173.9	478.8	404.7
83°	79.1	0.8	26.4	371.7	609.8	270.7	79.5	94.1	149.7	326.9	290.4
84°	46.0	0.9	21.0	268.0	399.6	123.3	64.5	77.8	127.3	175.0	255.0
85°	27.9	1.1	15.6	164.4	285.6	102.1	51.0	62.1	104.6	137.7	221.9
86°	21.5	1.2	10.3	63.4	171.6	81.8	38.8	46.6	81.6	109.5	187.9
87°	15.1	1.4	8.7	37.1	58.5	60.6	28.3	31.1	61.2	85.4	149.3
88°	8.7	1.6	7.1	25.7	40.2	41.6	20.0	18.2	44.4	64.5	101.8
89°	5.5	1.7	4.9	14.3	21.8	22.7	11.7	8.0	27.5	50.2	57.4

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069
CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4159.6	4159.6	4159.6
1°	4251.4	4261.6	4267.0
2°	4357.2	4380.3	4388.7
3°	4471.8	4508.8	4520.4
4°	4598.1	4651.8	4668.7
5°	4736.5	4807.8	4830.8
6°	4885.6	4979.2	5008.6
7°	5048.3	5161.6	5199.4
8°	5218.3	5357.7	5405.0
9°	5404.8	5568.5	5626.3
10°	5600.5	5794.8	5861.7
11°	5811.2	6037.4	6115.3
12°	6034.2	6292.7	6386.8
13°	6271.5	6568.2	6678.3
14°	6518.6	6856.8	6979.3
15°	6778.4	7154.4	7293.4
16°	7045.1	7461.3	7614.0
17°	7323.6	7773.4	7936.0
18°	7594.3	8082.2	8248.2
19°	7859.0	8376.6	8555.7
20°	8117.1	8660.4	8850.7
21°	8366.7	8931.0	9129.9
22°	8599.8	9181.9	9386.0
23°	8825.6	9430.1	9634.9
24°	9042.9	9671.1	9865.4
25°	9258.9	9897.0	10086.6
26°	9472.9	10107.1	10274.3
27°	9674.4	10286.2	10438.9
28°	9852.2	10441.6	10589.7
29°	10016.8	10599.6	10749.7
30°	10184.1	10777.4	10938.7
31°	10358.6	10940.7	11093.5
32°	10513.3	11058.6	11208.7
33°	10617.4	11113.9	11248.2
34°	10664.1	11100.0	11210.7
35°	10645.7	11015.1	11106.6
36°	10586.4	10892.6	10973.0
37°	10491.0	10766.2	10853.8
38°	10401.4	10684.5	10787.9
39°	10342.8	10638.5	10749.7
40°	10305.9	10612.8	10721.4
41°	10282.2	10591.0	10688.5
42°	10256.5	10566.0	10646.4
43°	10230.8	10537.7	10593.0
44°	10205.2	10500.2	10527.8

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10174.2	10448.8	10449.5
46°	10139.3	10384.9	10363.2
47°	10100.5	10315.1	10272.3
48°	10053.1	10239.4	10178.2
49°	9991.8	10163.0	10084.7
50°	9918.1	10084.0	9985.2
51°	9837.7	9996.4	9872.6
52°	9747.5	9895.0	9744.9
53°	9654.0	9771.9	9603.3
54°	9556.6	9626.4	9441.3
55°	9453.2	9454.5	9257.0
56°	9332.0	9258.9	9042.9
57°	9189.8	9041.0	8801.9
58°	9017.9	8782.8	8530.6
59°	8828.3	8503.0	8234.3
60°	8615.6	8199.4	7893.2
61°	8373.3	7855.0	7465.2
62°	8105.3	7438.2	6956.9
63°	7808.9	6956.9	6379.8
64°	7488.3	6432.4	5791.0
65°	7126.1	5913.4	5255.2
66°	6735.0	5430.0	4790.8
67°	6330.9	4996.2	4425.6
68°	5914.2	4602.3	4132.1
69°	5519.3	4250.9	3840.1
70°	5142.8	3903.8	3385.3
71°	4752.1	3475.2	2663.3
72°	4326.0	2877.4	1810.4
73°	3898.9	2123.5	1058.2
74°	3449.2	1407.4	597.6
75°	2879.9	856.4	498.5
76°	2267.8	687.5	411.9
77°	1734.4	520.0	325.4
78°	1310.4	352.5	290.7
79°	967.9	305.1	267.4
80°	653.4	272.5	246.4
81°	526.1	244.6	226.6
82°	400.3	221.3	207.7
83°	274.5	202.6	188.6
84°	229.9	180.5	168.8
85°	181.9	157.1	149.0
86°	145.3	135.6	128.4
87°	118.8	115.1	107.2
88°	94.1	95.1	87.9
89°	70.0	75.1	72.5

REPORT NUMBER: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-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: P1445069

CATALOG NUMBER: XAS300-SFPM (4000K-180W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)