

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: P1445047

Luminaire Tested: XAS300-SFPM (3000K-180W-T4-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445047
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 (3000K-180W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 23897.2 lumens
Efficiency: 61.8%
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.9
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

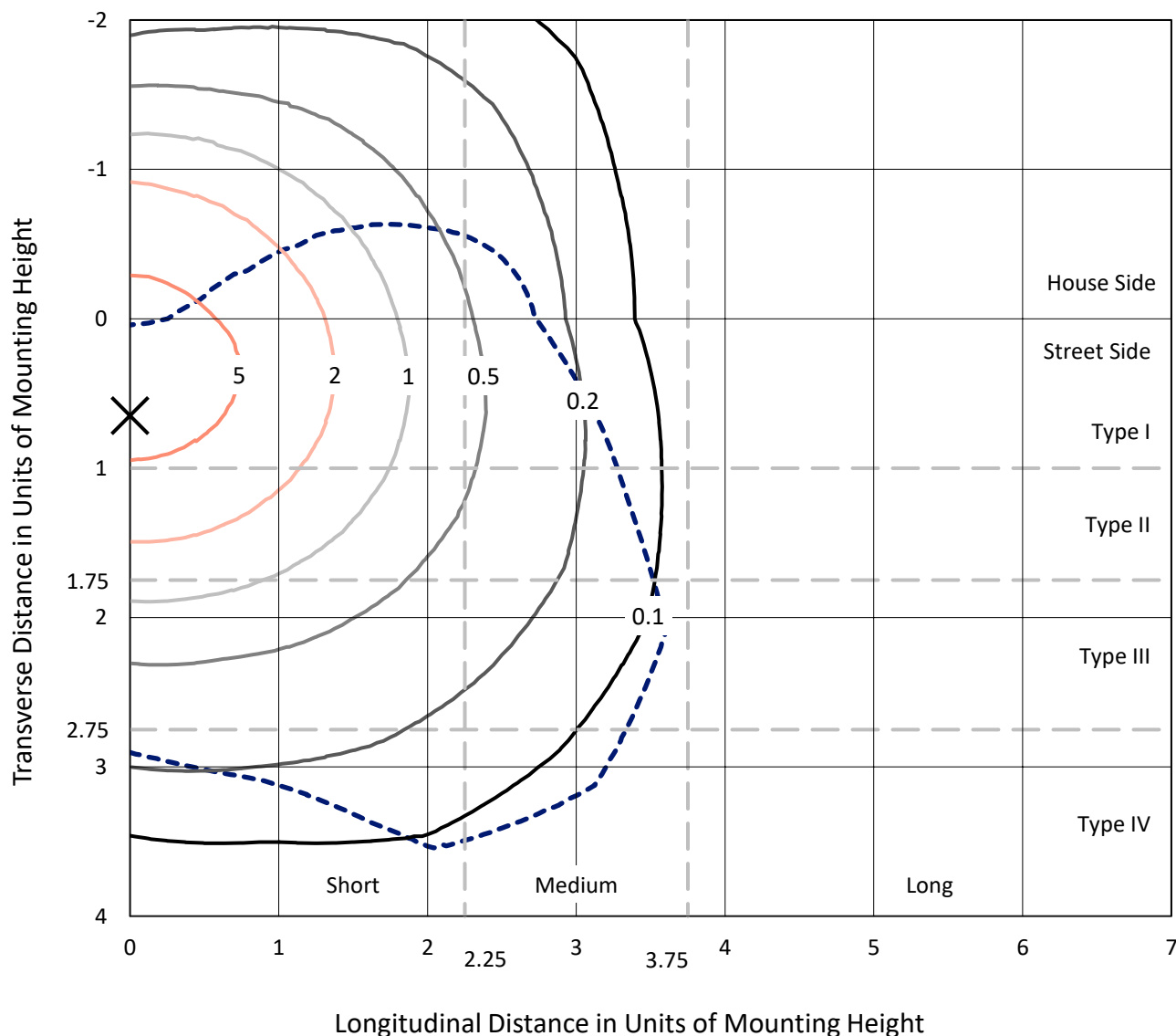
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

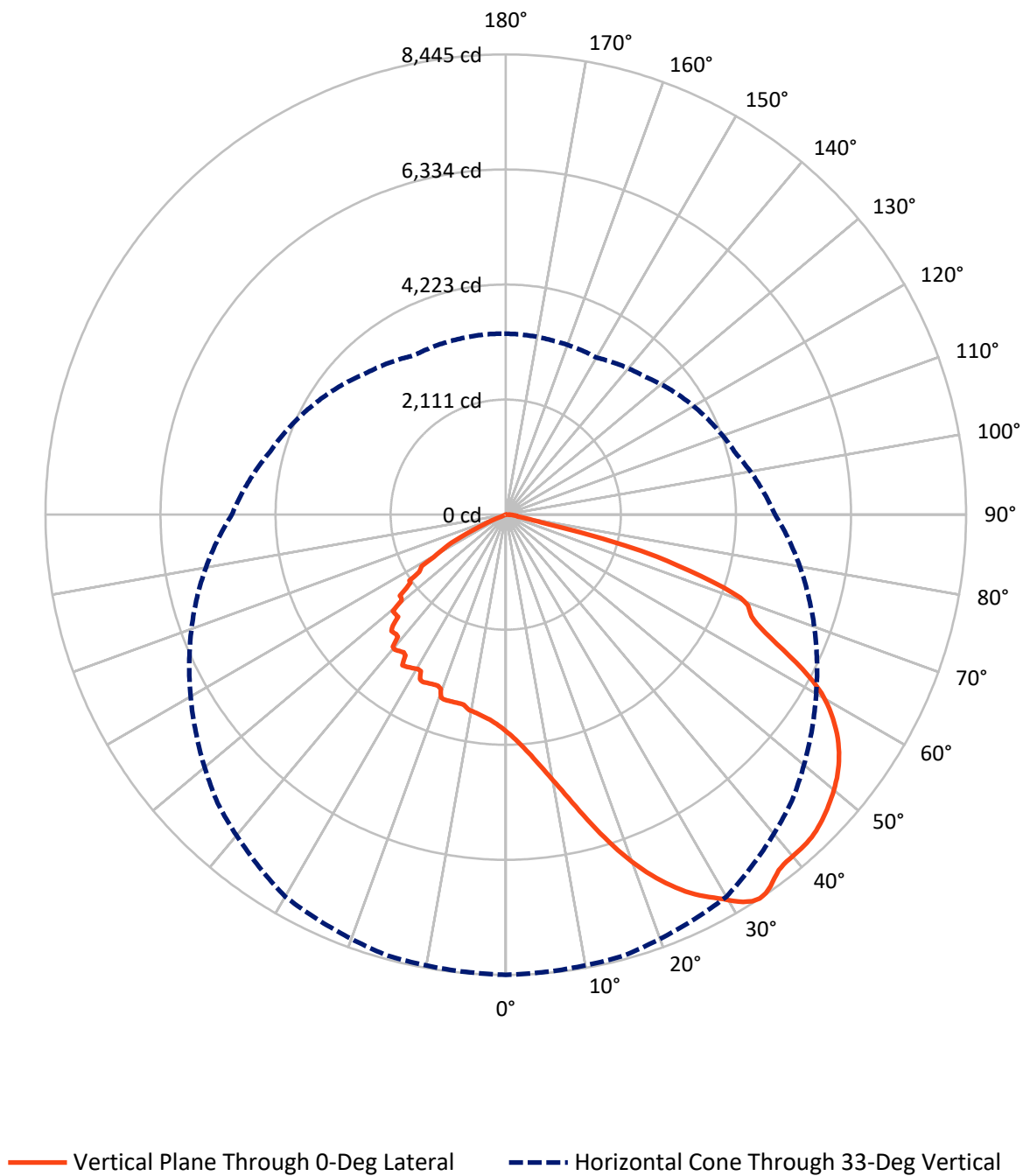


Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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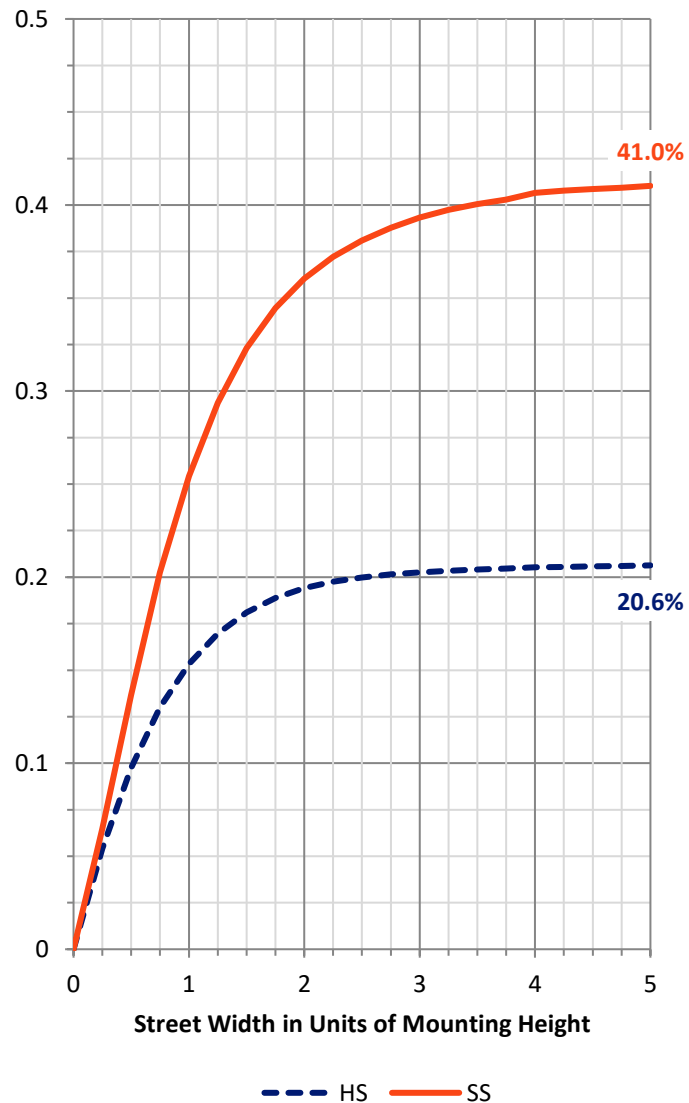
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8024.7	0.0	8024.7
	% Lamp	20.7	0.0	20.7
Street Side	Lumens	15872.5	0.0	15872.5
	% Lamp	41.0	0.0	41.0
Total	Lumens	23897.2	0.0	23897.2
	% Lamp	61.8	0.0	61.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	393.0	1.6	1.0
10°-20°	1288.1	5.4	3.3
20°-30°	2373.5	9.9	6.1
30°-40°	3461.4	14.5	8.9
40°-50°	4272.3	17.9	11.0
50°-60°	4771.6	20.0	12.3
60°-70°	4469.3	18.7	11.6
70°-80°	2650.4	11.1	6.8
80°-90°	217.6	0.9	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°	23897.2	100.0	61.8
0°-180°	23897.2	100.0	61.8

Coefficient of Utilization



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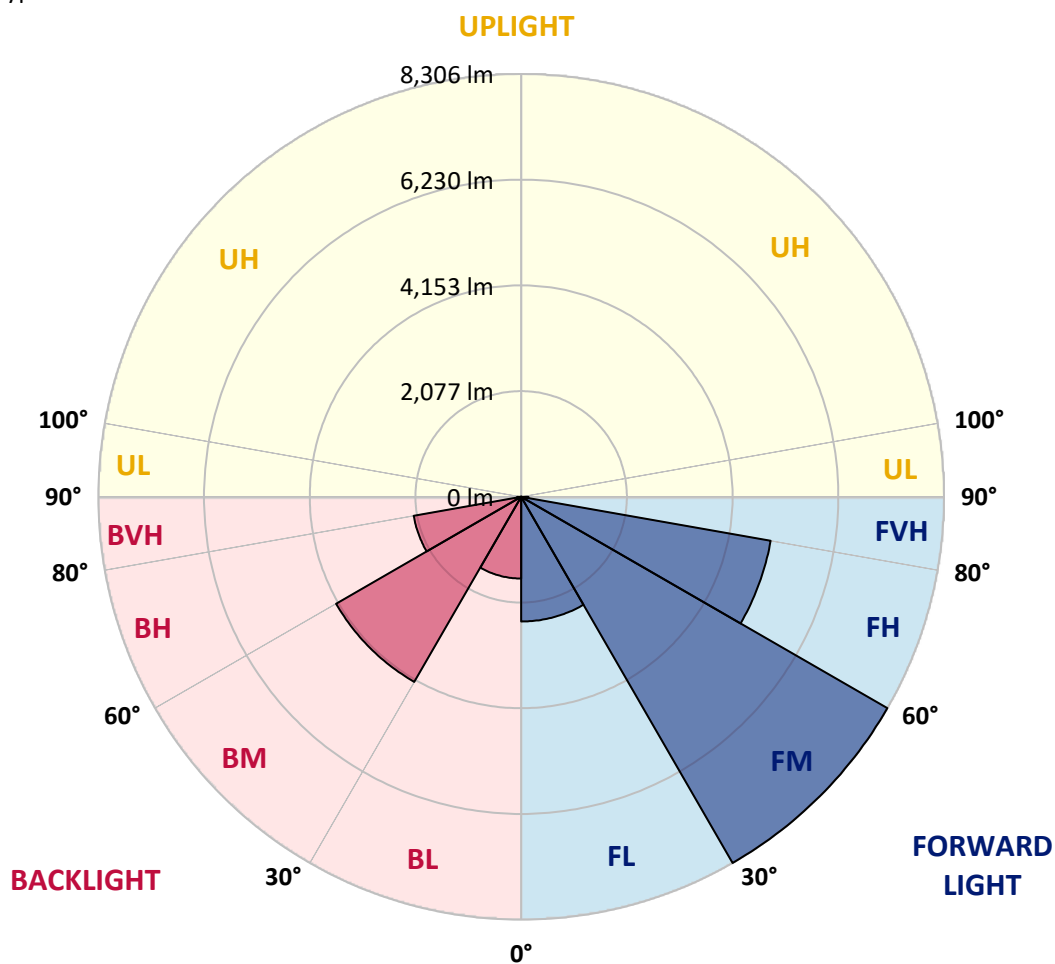
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2449.2	6.3			
FM	(30°-60°)	8306.4	21.5			
FH	(60°-80°)	4975.8	12.9			G2/5000
FVH	(80°-90°)	141.2	0.4			G2/225
BL	(0°-30°)	1605.5	4.1	B3/2500		
BM	(30°-60°)	4198.9	10.9	B3/5000		
BH	(60°-80°)	2143.9	5.5	B3/2500		G3/2500
BVH	(80°-90°)	76.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		14797.8	38.2			

BUG Rating: B3-U0-G3

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0
1°	4059.9	4060.2	4055.2	4047.5	4036.7	4021.8	3993.0	3978.0	3964.0	3953.7	3945.5
2°	4130.8	4128.0	4114.4	4094.1	4069.5	4039.4	3994.8	3964.8	3937.8	3916.0	3900.0
3°	4208.3	4202.5	4180.5	4148.1	4106.7	4060.3	3999.7	3955.1	3915.8	3883.3	3861.4
4°	4296.0	4285.8	4254.8	4208.6	4149.8	4086.7	4009.0	3949.4	3896.5	3855.1	3827.0
5°	4392.1	4377.9	4335.1	4273.6	4198.6	4116.9	4022.6	3947.6	3882.4	3831.9	3797.6
6°	4496.3	4477.6	4424.9	4346.9	4251.7	4149.0	4037.3	3948.5	3871.1	3811.6	3769.9
7°	4610.9	4588.9	4522.4	4426.5	4308.3	4183.2	4053.1	3949.9	3862.4	3793.9	3748.8
8°	4731.8	4704.9	4627.7	4511.5	4369.2	4221.0	4071.7	3953.6	3855.1	3780.4	3732.8
9°	4865.6	4832.1	4741.5	4602.6	4435.0	4262.1	4092.7	3958.3	3848.5	3771.9	3719.0
10°	5010.0	4970.7	4862.4	4700.1	4505.1	4305.5	4114.1	3964.1	3842.7	3765.2	3707.7
11°	5163.3	5117.9	4994.2	4805.8	4579.1	4352.4	4138.8	3972.2	3840.8	3760.0	3698.3
12°	5328.4	5275.8	5132.7	4916.7	4656.9	4401.7	4155.5	3973.2	3842.9	3755.8	3693.1
13°	5509.9	5446.5	5280.5	5035.3	4740.4	4443.1	4174.4	3975.3	3835.5	3753.2	3687.8
14°	5699.5	5625.7	5434.0	5158.4	4828.9	4488.1	4197.0	3978.3	3831.1	3753.7	3648.0
15°	5895.7	5814.4	5596.3	5284.3	4910.6	4536.0	4222.6	3987.3	3827.1	3745.6	3623.2
16°	6096.4	6001.7	5762.5	5417.2	4998.5	4589.2	4257.6	4003.5	3828.6	3732.5	3623.9
17°	6295.6	6195.0	5930.3	5552.9	5088.9	4648.2	4288.9	4015.2	3833.9	3702.0	3628.8
18°	6492.6	6383.3	6099.0	5691.3	5177.8	4712.0	4324.3	4032.3	3838.5	3683.9	3635.6
19°	6685.9	6568.0	6266.6	5826.5	5274.5	4772.7	4366.5	4057.9	3848.8	3683.5	3645.5
20°	6873.1	6749.6	6429.0	5948.6	5370.9	4837.3	4412.1	4085.9	3865.8	3686.6	3654.0
21°	7048.5	6923.1	6586.5	6080.7	5473.6	4908.9	4457.2	4108.5	3882.0	3692.3	3655.0
22°	7214.6	7087.4	6737.8	6199.9	5568.6	4985.0	4495.0	4117.0	3886.5	3707.0	3654.3
23°	7372.1	7247.3	6886.7	6317.3	5668.7	5062.8	4518.3	4132.2	3871.4	3721.1	3624.2
24°	7522.2	7398.0	7030.6	6434.0	5767.4	5132.9	4549.1	4160.0	3875.8	3728.0	3503.3
25°	7662.3	7545.6	7170.8	6551.3	5865.2	5196.4	4591.9	4176.2	3879.8	3735.4	3461.2
26°	7785.9	7674.7	7307.2	6663.1	5965.1	5250.7	4634.1	4193.4	3884.6	3747.5	3467.5
27°	7893.9	7792.0	7436.9	6772.4	6064.4	5312.9	4664.9	4222.0	3906.1	3749.1	3477.6
28°	7998.3	7897.6	7559.2	6879.9	6161.8	5386.3	4706.8	4251.1	3927.4	3678.0	3484.2
29°	8103.3	8004.5	7669.8	6980.5	6250.6	5465.1	4760.0	4274.8	3936.0	3610.2	3489.3
30°	8230.5	8126.2	7779.7	7084.3	6335.2	5533.4	4814.4	4289.0	3940.9	3578.0	3496.1
31°	8334.9	8237.9	7894.6	7197.3	6403.1	5600.2	4863.2	4308.6	3958.0	3571.2	3506.3
32°	8413.9	8326.2	8002.0	7315.3	6482.1	5670.0	4902.8	4337.7	3977.6	3575.2	3423.4
33°	8445.4	8377.5	8095.3	7426.4	6576.0	5747.5	4942.1	4364.8	3980.6	3589.3	3327.8
34°	8428.1	8371.9	8149.6	7528.3	6674.8	5830.2	4991.5	4381.3	3993.4	3605.2	3320.6
35°	8370.7	8324.4	8149.0	7604.3	6768.7	5914.3	5047.9	4406.0	4004.8	3616.4	3325.4
36°	8293.5	8255.2	8108.2	7652.5	6852.1	5992.3	5103.0	4436.1	4013.2	3619.2	3337.2
37°	8225.6	8177.4	8049.6	7661.1	6907.0	6052.1	5144.1	4458.5	4007.6	3615.5	3357.6
38°	8195.9	8128.0	7994.0	7644.4	6941.0	6107.3	5187.9	4479.0	3940.2	3523.9	3367.1
39°	8186.7	8104.5	7956.9	7621.6	6952.1	6155.4	5246.6	4498.3	3889.9	3473.8	3370.8
40°	8184.2	8092.2	7939.6	7607.4	6950.9	6190.0	5302.3	4518.5	3874.7	3496.4	3253.9
41°	8181.7	8085.4	7931.0	7602.4	6960.8	6216.6	5344.9	4532.8	3900.9	3519.8	3204.3
42°	8173.7	8078.6	7926.1	7601.2	6982.4	6243.1	5375.1	4540.8	3926.9	3519.7	3220.3
43°	8155.8	8070.6	7922.3	7607.4	7007.7	6266.6	5396.3	4567.0	3917.9	3527.8	3216.1
44°	8129.2	8058.2	7915.6	7619.1	7035.5	6291.3	5413.8	4592.7	3919.1	3549.8	3212.5

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8091.6	8038.5	7905.1	7630.9	7061.4	6324.0	5435.1	4625.2	3941.2	3565.4	3211.6
46°	8048.3	8013.1	7891.5	7638.3	7087.4	6363.6	5456.7	4614.4	3965.8	3464.1	3055.1
47°	7998.3	7985.3	7875.4	7643.8	7113.3	6404.9	5472.9	4585.7	3971.1	3392.6	3014.3
48°	7946.4	7952.6	7857.5	7650.6	7138.6	6443.9	5503.7	4599.4	3968.0	3398.6	3025.8
49°	7890.9	7919.3	7834.7	7653.1	7168.3	6480.3	5538.8	4627.7	3895.4	3420.1	3025.5
50°	7830.3	7884.7	7808.1	7646.9	7190.5	6513.0	5570.2	4647.5	3860.7	3418.8	3006.8
51°	7763.6	7842.7	7776.0	7635.2	7216.5	6540.8	5595.2	4653.4	3866.9	3413.4	2836.9
52°	7687.1	7793.9	7740.2	7624.7	7244.9	6566.8	5593.4	4671.6	3867.8	3291.4	2834.1
53°	7604.3	7735.2	7699.4	7612.9	7268.9	6585.3	5564.4	4680.5	3896.0	3256.0	2855.0
54°	7511.7	7663.6	7658.0	7598.1	7281.3	6602.6	5533.7	4669.8	3895.3	3262.9	2871.3
55°	7406.7	7580.2	7610.5	7579.6	7285.6	6613.1	5529.2	4663.3	3889.6	3259.3	2705.1
56°	7285.6	7480.8	7553.7	7553.7	7285.6	6617.4	5530.4	4648.5	3858.7	3199.1	2668.6
57°	7153.5	7367.8	7486.3	7524.0	7283.8	6624.2	5524.2	4635.5	3800.5	3100.7	2670.1
58°	7005.9	7236.8	7405.4	7490.7	7275.7	6634.1	5500.3	4586.4	3788.5	3131.5	2542.2
59°	6845.3	7089.2	7317.1	7451.1	7264.0	6638.4	5476.2	4563.5	3780.2	3167.1	2467.7
60°	6657.5	6922.5	7210.9	7401.7	7243.0	6632.8	5450.8	4527.4	3765.3	3142.3	2461.9
61°	6419.8	6727.9	7094.2	7338.7	7212.7	6611.2	5411.8	4485.6	3731.7	3043.8	2283.1
62°	6136.6	6492.0	6960.8	7260.9	7175.7	6566.1	5356.6	4437.6	3688.5	3027.8	2267.3
63°	5820.2	6224.6	6810.7	7169.5	7125.7	6492.6	5284.7	4381.4	3676.8	2982.4	2138.5
64°	5507.8	5947.8	6642.7	7068.2	7060.2	6398.8	5200.8	4319.2	3636.9	2927.6	2079.5
65°	5237.2	5677.5	6459.9	6954.6	6984.2	6295.6	5116.8	4267.7	3556.2	2899.6	1933.0
66°	5021.9	5440.3	6259.8	6821.2	6892.2	6201.8	5007.6	4203.0	3558.3	2828.0	1866.3
67°	4881.2	5238.3	6068.3	6671.7	6778.0	6092.3	4880.6	4115.4	3581.3	2799.7	1716.8
68°	4808.7	5088.6	5885.1	6500.1	6642.1	5956.5	4700.5	4015.7	3598.8	2741.6	1592.4
69°	4743.5	4981.2	5715.5	6314.8	6476.6	5782.1	4489.6	3894.4	3516.0	2693.2	1446.9
70°	4567.0	4881.6	5551.9	6113.9	6285.8	5526.7	4164.3	3720.4	3424.4	2646.5	1340.1
71°	4218.3	4712.1	5404.8	5909.5	6064.5	5194.2	3745.6	3480.4	3348.7	2585.4	1263.6
72°	3758.4	4423.9	5265.3	5699.7	5819.4	4801.6	3331.9	3220.1	3248.9	2516.4	1187.1
73°	3302.2	4028.1	5108.6	5495.1	5538.4	4361.6	2959.9	2952.5	3093.9	2441.9	1110.6
74°	2871.0	3589.0	4920.8	5287.0	5214.1	3916.3	2614.0	2683.3	2933.0	2343.7	1038.7
75°	2249.9	3105.9	4678.7	5033.5	4861.7	3444.3	2195.4	2406.7	2763.4	2212.7	936.9
76°	1413.5	2510.7	4336.7	4741.4	4444.1	2924.9	1601.1	2084.1	2584.2	2051.4	830.0
77°	668.0	1668.9	3890.0	4336.2	3967.9	2210.9	1006.7	1561.9	2401.8	1820.3	727.8
78°	524.7	838.4	3341.8	3807.8	3398.4	1391.7	421.2	1039.6	2196.3	1516.4	622.1
79°	388.3	643.2	2613.5	3157.1	2730.0	694.6	192.0	522.6	1867.1	1212.4	527.6
80°	251.9	448.0	1675.8	2361.3	1936.8	516.9	164.6	383.1	1333.7	908.9	455.9
81°	229.2	252.8	869.6	1505.8	1124.0	346.4	137.3	243.5	802.0	671.2	458.7
82°	208.5	223.4	651.1	724.3	505.8	175.8	110.0	107.3	351.2	548.7	427.2
83°	188.7	200.2	442.0	556.3	346.8	148.3	94.3	87.2	266.3	467.6	341.9
84°	168.5	177.5	233.0	391.1	189.9	125.7	79.1	70.0	181.4	371.0	235.6
85°	148.2	155.2	188.6	225.9	152.5	104.3	64.1	55.1	97.9	263.6	168.6
86°	126.3	134.1	151.5	192.0	122.2	82.8	49.7	42.4	80.7	211.5	102.3
87°	104.7	114.0	125.3	153.3	97.3	63.3	35.5	31.5	62.7	159.3	66.9
88°	85.3	94.4	99.7	109.5	75.4	48.1	25.2	22.4	41.6	107.2	45.7
89°	69.9	74.0	73.2	64.9	57.8	32.9	14.9	13.4	29.0	55.1	24.6



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CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047
CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0	3999.0
1°	3942.0	3942.3	3947.3	3955.7	3967.8	3981.6	3996.1	3997.7	4012.5	4027.3	4040.2
2°	3892.7	3891.0	3898.1	3912.5	3933.6	3958.7	3988.1	4004.6	4034.2	4063.4	4089.8
3°	3849.8	3846.4	3855.4	3874.7	3902.5	3939.2	3981.6	4013.7	4059.1	4104.5	4145.9
4°	3812.3	3808.0	3818.7	3841.1	3876.5	3923.5	3978.8	4025.8	4088.0	4150.7	4207.3
5°	3777.6	3773.2	3785.2	3811.9	3852.9	3910.3	3977.5	4040.0	4118.7	4199.4	4274.8
6°	3748.8	3744.2	3757.1	3785.1	3833.3	3898.8	3979.5	4057.0	4152.4	4252.4	4348.1
7°	3725.5	3719.8	3734.3	3764.8	3814.8	3890.0	3982.5	4075.0	4189.1	4310.3	4426.7
8°	3705.0	3698.0	3713.7	3749.6	3801.5	3882.3	3986.7	4094.0	4228.1	4371.9	4510.1
9°	3686.0	3678.1	3695.1	3734.8	3792.5	3875.1	3991.0	4115.1	4269.2	4438.1	4601.2
10°	3670.8	3662.3	3679.4	3722.4	3785.3	3869.6	3998.7	4139.9	4313.3	4508.0	4697.1
11°	3660.0	3651.2	3668.4	3713.1	3780.0	3869.0	4008.1	4167.7	4362.7	4583.0	4801.0
12°	3637.1	3610.7	3645.6	3707.3	3776.9	3871.8	4010.0	4186.2	4415.2	4661.6	4911.5
13°	3595.4	3569.8	3603.7	3704.1	3775.3	3865.4	4016.4	4208.8	4457.8	4749.6	5030.2
14°	3576.4	3566.0	3584.6	3662.3	3776.3	3863.8	4022.6	4231.7	4505.9	4836.4	5156.3
15°	3578.5	3566.1	3584.8	3635.2	3769.2	3864.3	4036.0	4260.9	4555.3	4919.2	5287.3
16°	3581.1	3568.8	3587.6	3637.9	3764.6	3871.1	4048.7	4295.8	4610.9	5007.9	5424.8
17°	3587.0	3573.3	3594.1	3644.0	3736.4	3875.4	4064.7	4330.2	4677.7	5098.8	5565.4
18°	3591.1	3573.7	3598.5	3652.3	3722.2	3883.5	4087.5	4367.9	4736.6	5199.1	5703.3
19°	3593.8	3574.4	3602.2	3664.4	3717.1	3900.5	4115.1	4414.0	4802.3	5299.7	5832.9
20°	3596.7	3559.5	3606.5	3673.1	3721.6	3920.7	4142.0	4460.8	4871.0	5406.5	5968.6
21°	3523.4	3413.2	3538.5	3673.8	3734.2	3936.3	4164.0	4502.6	4949.4	5507.0	6098.9
22°	3418.1	3375.6	3439.1	3676.0	3750.0	3943.2	4176.0	4540.2	5028.0	5611.4	6220.3
23°	3401.6	3379.8	3422.0	3655.0	3761.9	3934.4	4200.7	4566.9	5104.5	5717.3	6344.4
24°	3407.9	3389.2	3429.9	3532.8	3771.8	3944.3	4232.4	4604.3	5175.2	5821.3	6465.5
25°	3419.8	3402.2	3442.7	3500.0	3781.1	3951.4	4251.4	4651.9	5236.4	5927.2	6581.0
26°	3433.6	3413.9	3458.0	3511.8	3795.7	3956.8	4274.7	4690.2	5299.6	6030.3	6696.4
27°	3445.1	3427.2	3471.4	3521.8	3796.5	3981.2	4308.9	4727.5	5372.5	6132.0	6806.4
28°	3457.0	3403.4	3487.2	3529.9	3729.6	4001.5	4340.8	4776.5	5454.6	6227.1	6916.9
29°	3396.7	3268.2	3423.1	3535.1	3665.2	4008.2	4362.0	4831.7	5535.0	6320.3	7029.3
30°	3283.1	3257.9	3310.7	3546.3	3631.3	4015.2	4380.8	4886.6	5605.6	6404.9	7143.6
31°	3278.9	3275.8	3306.0	3557.6	3626.6	4034.6	4408.7	4934.1	5683.7	6489.6	7259.1
32°	3292.1	3298.4	3319.7	3465.4	3636.7	4053.6	4442.2	4976.0	5772.7	6581.0	7372.1
33°	3308.5	3319.9	3336.4	3371.2	3653.7	4057.1	4473.8	5026.1	5865.2	6676.7	7480.2
34°	3324.2	3337.4	3350.9	3367.6	3670.8	4070.9	4491.5	5088.3	5949.7	6771.8	7575.9
35°	3336.7	3352.0	3362.6	3371.9	3678.8	4080.9	4521.6	5149.5	6022.0	6864.4	7640.1
36°	3341.3	3172.1	3363.9	3386.3	3680.1	4087.9	4551.3	5206.0	6084.7	6928.7	7667.9
37°	3159.1	3146.3	3177.5	3405.0	3674.6	4079.5	4575.4	5247.5	6138.8	6966.9	7668.5
38°	3121.4	3164.6	3148.2	3411.3	3583.8	4016.0	4596.2	5296.8	6182.6	6982.4	7648.8
39°	3133.0	3186.6	3159.6	3421.4	3536.6	3972.4	4608.9	5347.4	6218.4	6986.1	7624.1
40°	3148.6	3205.9	3171.3	3304.1	3564.0	3959.9	4625.4	5386.1	6245.6	6992.9	7610.5
41°	3149.9	3188.5	3172.3	3262.0	3582.7	3985.6	4629.5	5420.6	6266.6	7008.3	7604.9
42°	3118.4	2990.1	3142.8	3273.2	3579.8	4001.0	4637.0	5450.4	6291.3	7027.5	7613.6
43°	2941.4	2975.4	2970.3	3266.9	3595.0	3984.1	4665.5	5475.4	6318.5	7050.3	7630.2
44°	2926.7	2986.1	2959.2	3263.8	3616.3	3990.9	4695.4	5497.7	6352.5	7075.6	7645.7

REPORT NUMBER: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2941.7	2991.5	2973.0	3263.4	3630.6	4017.4	4727.2	5522.7	6391.4	7100.3	7659.3
46°	2944.0	2906.5	2972.6	3098.8	3526.2	4041.3	4703.3	5540.7	6428.4	7130.6	7672.8
47°	2868.4	2723.7	2889.7	3074.3	3460.2	4053.9	4679.7	5563.2	6466.1	7164.0	7684.0
48°	2711.6	2724.3	2746.9	3082.7	3471.6	4044.1	4700.3	5597.8	6503.1	7196.1	7688.9
49°	2723.4	2727.9	2761.1	3081.7	3494.0	3972.5	4734.4	5627.5	6539.0	7223.9	7685.8
50°	2738.4	2726.4	2777.6	3056.2	3488.2	3953.8	4752.1	5652.1	6570.5	7254.7	7679.6
51°	2747.1	2476.0	2789.6	2894.7	3477.7	3960.8	4760.5	5665.6	6596.4	7281.3	7672.8
52°	2533.7	2451.0	2567.6	2899.2	3350.5	3968.1	4779.2	5646.9	6617.4	7302.9	7664.2
53°	2505.3	2447.6	2542.6	2920.5	3331.3	3993.2	4782.4	5610.1	6636.5	7315.9	7653.7
54°	2499.2	2261.6	2536.0	2935.7	3341.7	3989.6	4770.8	5589.2	6645.8	7320.2	7640.1
55°	2324.8	2148.3	2352.1	2759.4	3339.5	3981.9	4761.1	5586.8	6649.5	7319.6	7624.7
56°	2234.4	2142.9	2271.5	2730.7	3265.6	3948.3	4741.1	5587.6	6651.4	7320.8	7603.7
57°	2231.9	1906.0	2268.2	2733.2	3192.1	3892.4	4719.7	5574.1	6655.1	7315.9	7573.4
58°	2018.0	1851.1	2046.3	2590.5	3224.7	3883.6	4663.0	5540.1	6653.2	7302.3	7530.8
59°	1963.4	1808.4	1997.7	2536.9	3259.5	3870.8	4644.4	5512.8	6646.4	7283.8	7478.3
60°	1872.3	1533.6	1885.7	2525.1	3216.7	3852.2	4590.8	5480.4	6623.6	7257.8	7419.0
61°	1691.0	1396.7	1723.3	2343.7	3128.5	3808.1	4542.1	5437.1	6578.5	7223.9	7353.6
62°	1611.0	1259.9	1616.0	2332.7	3113.6	3767.3	4482.3	5378.1	6505.0	7173.8	7281.3
63°	1450.9	1122.3	1462.4	2182.7	3056.2	3751.0	4417.0	5295.5	6417.3	7110.2	7194.8
64°	1290.9	910.1	1308.7	2136.4	3007.9	3700.2	4351.7	5211.7	6312.9	7037.4	7089.2
65°	1129.4	701.9	1154.9	1980.6	2973.2	3625.8	4288.6	5113.2	6214.7	6947.2	6963.2
66°	920.7	524.5	933.2	1905.0	2900.6	3635.8	4205.9	4979.0	6108.0	6842.2	6823.1
67°	747.9	348.8	735.0	1767.7	2872.3	3648.1	4098.0	4828.2	5977.9	6719.9	6668.7
68°	547.0	173.1	543.0	1626.6	2800.9	3635.8	3979.1	4624.5	5807.7	6574.8	6502.5
69°	396.2	0.4	380.9	1455.6	2740.2	3515.3	3837.4	4352.8	5586.0	6403.1	6321.0
70°	356.5	0.3	333.6	1351.5	2683.1	3402.4	3630.4	3958.6	5298.2	6204.2	6118.3
71°	317.5	0.3	291.0	1267.9	2608.5	3299.3	3356.4	3515.0	4926.8	5976.2	5900.4
72°	274.2	0.3	247.7	1184.3	2530.6	3175.4	3073.5	3111.0	4495.6	5725.1	5689.2
73°	227.9	0.4	201.4	1100.3	2430.7	3002.9	2809.6	2771.7	4046.0	5417.8	5470.9
74°	186.3	0.4	156.5	1005.7	2291.8	2837.4	2543.3	2392.8	3580.9	5046.1	5237.0
75°	147.5	0.4	128.4	891.0	2134.5	2669.9	2198.0	1847.9	3085.3	4625.5	4967.3
76°	108.9	0.5	118.8	788.5	1926.7	2473.4	1677.0	1160.6	2478.3	4161.5	4645.0
77°	83.9	0.6	130.1	691.9	1645.9	2259.1	1156.1	554.0	1712.5	3651.2	4227.2
78°	90.3	0.7	119.8	594.9	1363.3	1965.5	636.5	354.0	934.8	3038.6	3621.9
79°	122.5	0.8	109.6	519.9	1080.8	1453.7	260.8	163.3	686.9	2343.2	2901.1
80°	126.4	0.9	99.1	478.6	801.2	941.9	186.9	138.5	439.1	1536.2	2073.2
81°	114.5	1.0	61.9	442.7	636.0	441.3	114.0	120.9	191.2	782.2	1231.0
82°	83.3	1.2	34.3	378.6	531.2	328.3	93.6	104.8	161.7	580.1	535.5
83°	52.2	1.3	26.2	277.3	412.4	215.3	77.4	89.3	139.3	379.4	385.6
84°	31.1	1.5	18.0	176.1	274.4	103.5	63.5	74.3	118.6	178.6	252.3
85°	23.7	1.6	10.0	75.7	181.8	84.9	50.5	58.5	97.4	140.9	219.5
86°	16.4	1.8	8.4	44.6	89.5	67.5	39.0	44.9	77.1	113.2	184.6
87°	9.2	2.0	7.3	27.0	47.5	49.8	28.8	31.3	58.4	89.8	145.2
88°	7.2	2.2	6.2	19.1	32.8	34.5	20.4	17.7	43.0	68.1	99.7
89°	5.0	2.3	4.6	11.2	18.1	19.1	11.9	7.7	27.7	52.8	57.9

REPORT NUMBER: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047
CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	3999.0	3999.0	3999.0
1°	4050.1	4057.5	4059.9
2°	4111.4	4126.5	4130.8
3°	4179.0	4200.7	4208.3
4°	4253.7	4285.8	4296.0
5°	4337.7	4378.2	4392.1
6°	4425.8	4478.2	4496.3
7°	4522.6	4588.1	4610.9
8°	4627.0	4705.6	4731.8
9°	4738.3	4832.0	4865.6
10°	4859.7	4970.1	5010.0
11°	4990.3	5118.2	5163.3
12°	5128.4	5275.0	5328.4
13°	5276.7	5446.8	5509.9
14°	5432.1	5624.7	5699.5
15°	5596.7	5811.8	5895.7
16°	5764.0	6005.3	6096.4
17°	5938.4	6202.4	6295.6
18°	6112.7	6396.3	6492.6
19°	6284.5	6581.6	6685.9
20°	6450.6	6761.3	6873.1
21°	6611.2	6933.6	7048.5
22°	6762.5	7094.2	7214.6
23°	6910.1	7254.1	7372.1
24°	7050.3	7409.8	7522.2
25°	7191.7	7558.6	7662.3
26°	7333.2	7693.8	7785.9
27°	7466.6	7814.9	7893.9
28°	7582.1	7919.9	7998.3
29°	7688.9	8024.9	8103.3
30°	7802.5	8144.7	8230.5
31°	7916.2	8255.2	8334.9
32°	8020.5	8336.7	8413.9
33°	8094.0	8378.7	8445.4
34°	8129.2	8375.0	8428.1
35°	8123.7	8326.9	8370.7
36°	8092.8	8253.4	8293.5
37°	8039.7	8178.0	8225.6
38°	7989.0	8129.9	8195.9
39°	7958.8	8107.0	8186.7
40°	7945.2	8096.5	8184.2
41°	7939.0	8091.6	8181.7
42°	7932.8	8088.5	8173.7
43°	7926.7	8082.3	8155.8
44°	7921.7	8071.8	8129.2

REPORT NUMBER: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7916.8	8052.0	8091.6
46°	7910.6	8026.7	8048.3
47°	7901.4	7998.3	7998.3
48°	7887.1	7966.2	7946.4
49°	7866.1	7932.8	7890.9
50°	7839.6	7898.9	7830.3
51°	7805.0	7861.8	7763.6
52°	7767.3	7814.9	7687.1
53°	7728.4	7756.8	7604.3
54°	7688.9	7685.2	7511.7
55°	7645.1	7601.2	7406.7
56°	7591.9	7501.8	7285.6
57°	7525.9	7390.6	7153.5
58°	7441.3	7256.0	7005.9
59°	7348.6	7107.8	6845.3
60°	7242.4	6945.3	6657.5
61°	7122.6	6758.8	6419.8
62°	6987.3	6532.8	6136.6
63°	6844.0	6269.1	5820.2
64°	6685.3	5983.6	5507.8
65°	6506.8	5715.2	5237.2
66°	6317.3	5479.0	5021.9
67°	6126.7	5283.4	4881.2
68°	5933.5	5128.5	4808.7
69°	5765.4	5014.3	4743.5
70°	5622.7	4912.7	4567.0
71°	5474.7	4755.0	4218.3
72°	5312.6	4471.7	3758.4
73°	5152.6	4073.6	3302.2
74°	4966.1	3626.0	2871.0
75°	4682.6	3137.1	2249.9
76°	4306.5	2536.5	1413.5
77°	3871.2	1752.2	668.0
78°	3333.6	937.9	524.7
79°	2581.0	706.6	388.3
80°	1598.3	483.5	251.9
81°	807.1	260.4	229.2
82°	604.7	226.8	208.5
83°	420.1	204.6	188.7
84°	235.6	181.1	168.5
85°	185.6	157.0	148.2
86°	150.9	134.7	126.3
87°	124.2	114.0	104.7
88°	98.6	93.8	85.3
89°	70.8	73.3	69.9

REPORT NUMBER: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-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

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-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: P1445047

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)