

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: P1436777

Luminaire Tested: XAS300-SFPM (3000K-180W-T3)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436777
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-180W-T3)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 3
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

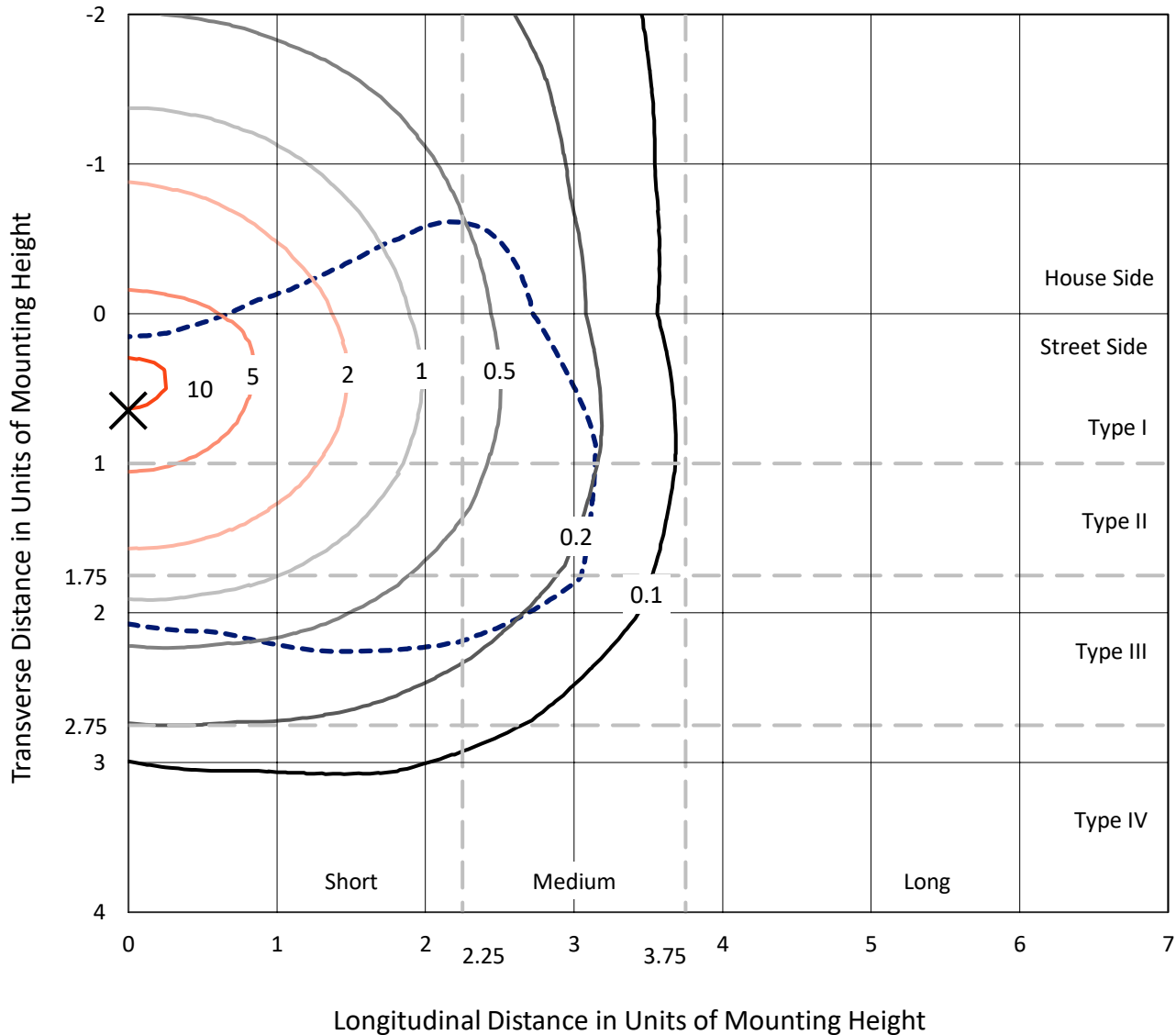
Lumens per Lamp: 45292 (1 lamp)
Luminaire Lumens: 27971.3 lumens
Efficiency: 61.8%
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 187.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

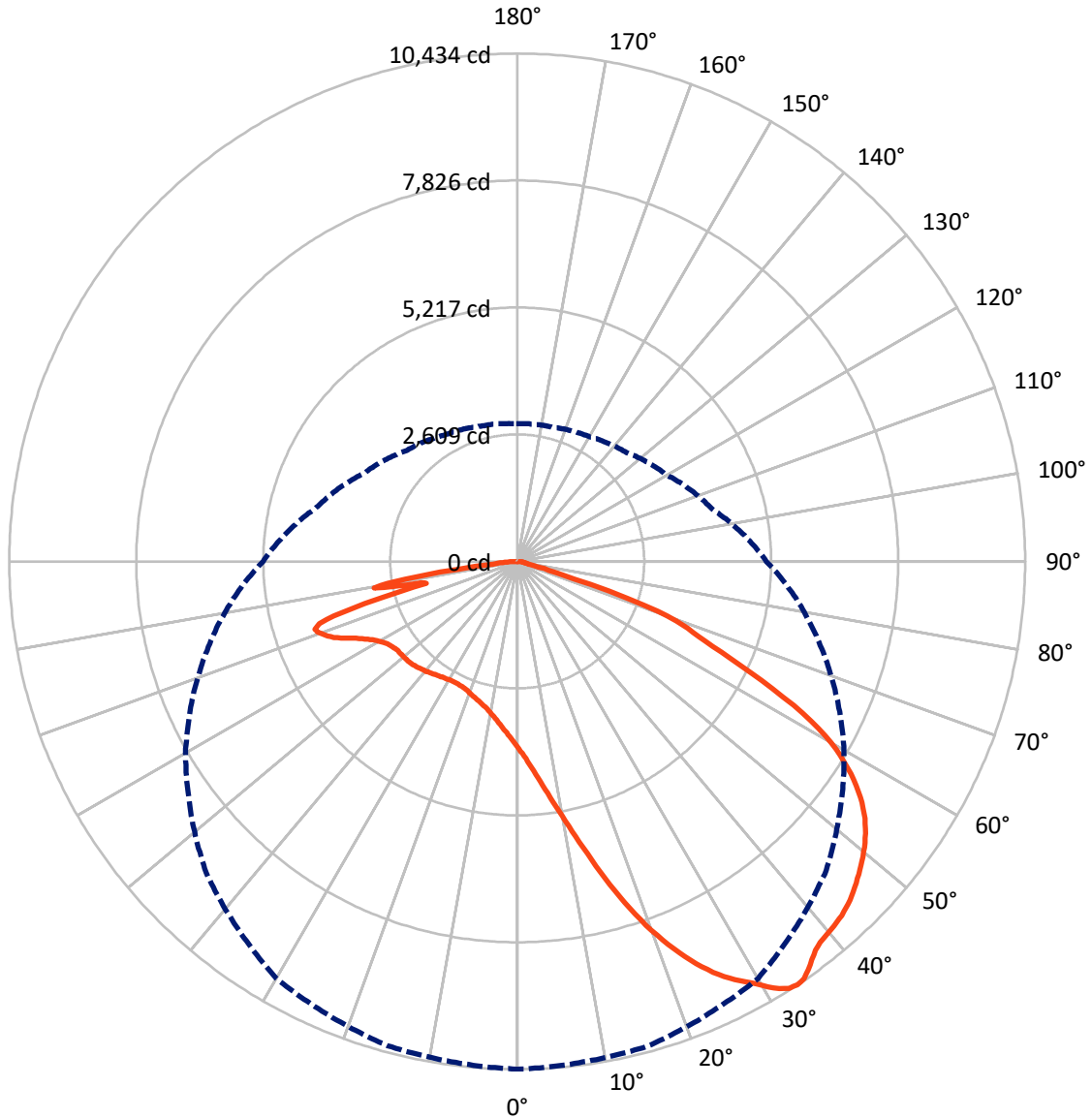
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

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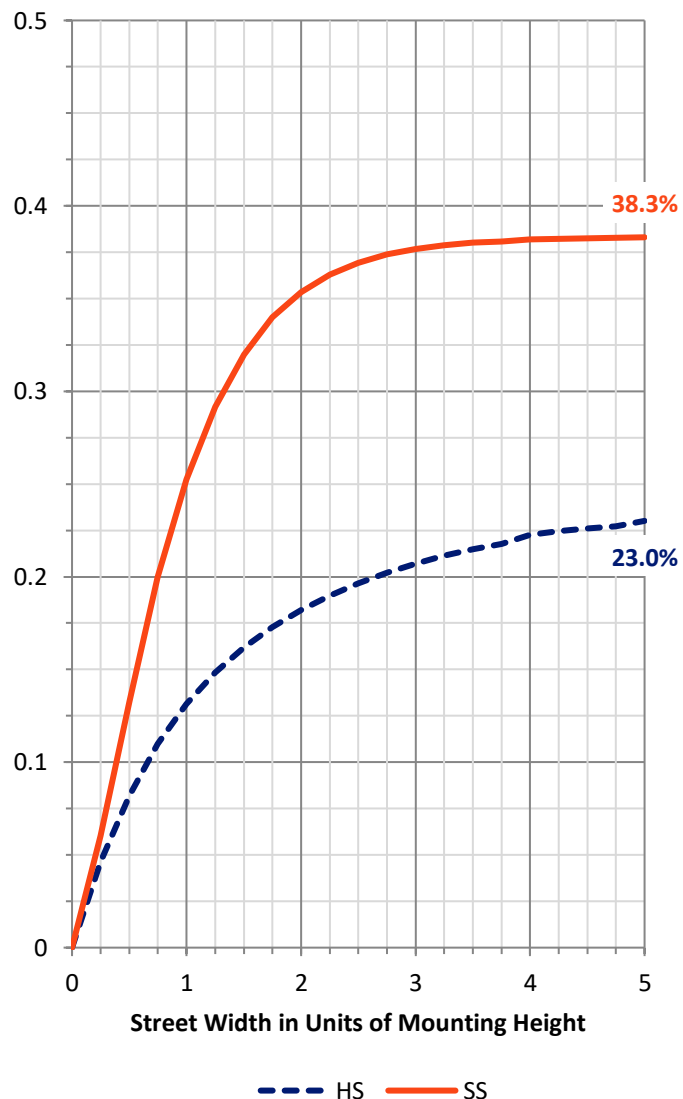
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10606.7	0.0	10606.7
	% Lamp	23.4	0.0	23.4
Street Side	Lumens	17364.6	0.0	17364.6
	% Lamp	38.3	0.0	38.3
Total	Lumens	27971.3	0.0	27971.3
	% Lamp	61.8	0.0	61.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	381.7	1.4	0.8
10°-20°	1297.3	4.6	2.9
20°-30°	2512.4	9.0	5.5
30°-40°	3798.5	13.6	8.4
40°-50°	4794.3	17.1	10.6
50°-60°	5530.2	19.8	12.2
60°-70°	5512.9	19.7	12.2
70°-80°	3595.1	12.9	7.9
80°-90°	548.9	2.0	1.2
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°	27971.3	100.0	61.8
0°-180°	27971.3	100.0	61.8

Coefficient of Utilization



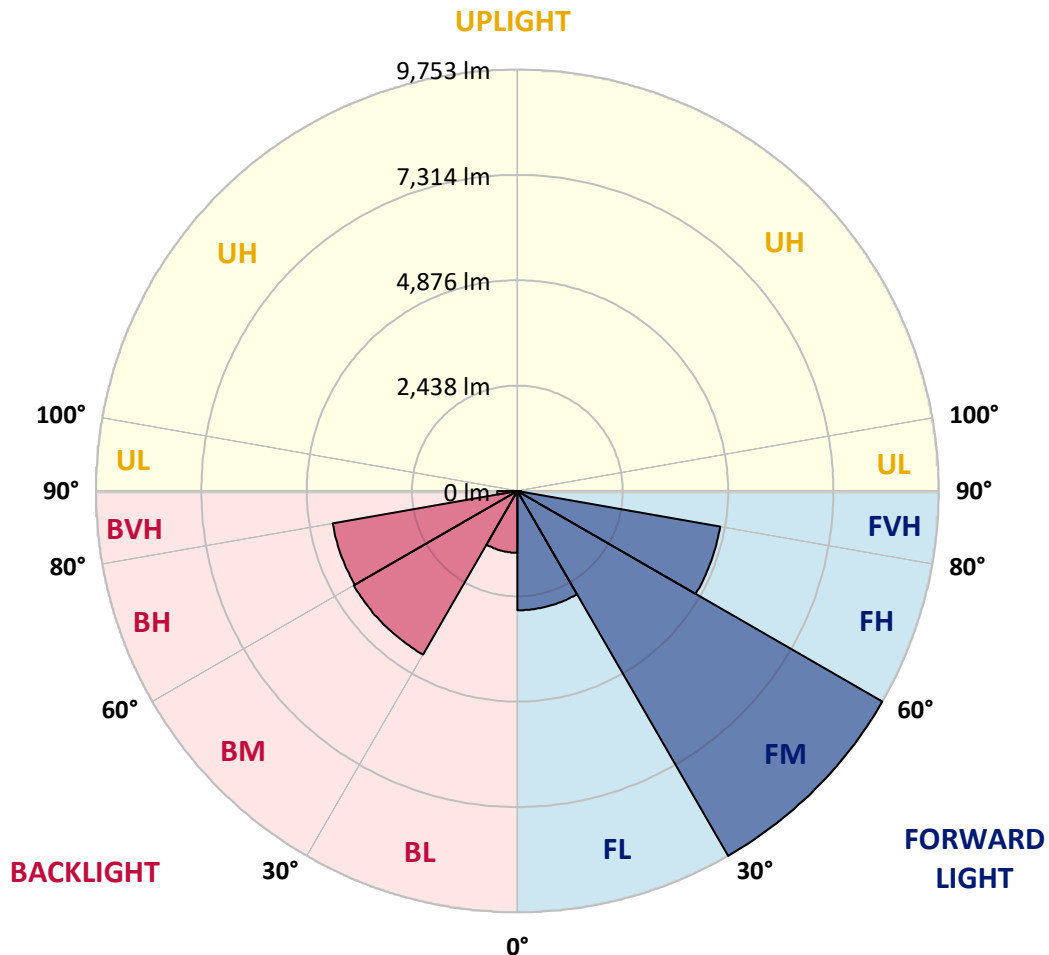
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2760.3	6.1			
FM (30°-60°)	9752.5	21.5			
FH (60°-80°)	4767.3	10.5			G2/5000
FVH (80°-90°)	84.5	0.2			G1/100
BL (0°-30°)	1431.1	3.2	B3/2500		
BM (30°-60°)	4370.5	9.6	B3/5000		
BH (60°-80°)	4340.7	9.6	B4/5000		G4/5000
BVH (80°-90°)	464.4	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	17320.7	38.2			

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0
1°	3947.7	3946.5	3937.3	3924.2	3905.5	3883.5	3839.9	3815.4	3794.7	3777.1	3764.7
2°	4057.9	4052.5	4031.7	3998.0	3956.3	3909.5	3840.7	3792.1	3750.0	3714.9	3690.3
3°	4180.5	4168.3	4132.9	4079.1	4012.4	3939.2	3844.3	3772.8	3709.9	3658.9	3622.1
4°	4317.5	4297.6	4247.1	4171.1	4075.7	3974.1	3852.2	3756.9	3675.2	3608.3	3562.0
5°	4465.6	4440.9	4371.5	4268.0	4146.4	4014.5	3864.8	3745.8	3643.3	3563.3	3506.4
6°	4630.4	4598.3	4509.8	4378.0	4222.3	4057.0	3878.6	3736.3	3615.9	3522.1	3451.7
7°	4806.5	4770.3	4660.5	4496.4	4303.3	4103.1	3894.3	3729.0	3590.6	3480.6	3398.9
8°	4996.8	4948.9	4820.2	4624.4	4390.9	4153.0	3913.7	3724.2	3567.5	3441.4	3351.3
9°	5201.9	5146.2	4994.4	4760.6	4484.3	4207.7	3936.3	3720.9	3544.1	3405.4	3306.4
10°	5421.8	5356.0	5175.7	4907.9	4585.4	4266.3	3961.5	3719.9	3523.1	3373.4	3265.2
11°	5660.3	5582.9	5374.3	5063.9	4691.6	4329.1	3988.0	3720.6	3502.7	3342.7	3227.4
12°	5908.2	5820.3	5583.3	5226.8	4805.7	4396.1	4018.2	3724.1	3485.7	3314.4	3194.1
13°	6178.9	6080.0	5802.6	5399.4	4926.6	4466.7	4052.3	3729.2	3470.9	3288.0	3163.4
14°	6464.2	6350.6	6036.3	5582.0	5054.4	4542.4	4091.2	3736.9	3457.1	3264.4	3136.1
15°	6756.4	6628.5	6275.9	5770.2	5185.0	4620.1	4131.5	3747.6	3446.9	3243.1	3112.6
16°	7054.0	6910.1	6521.7	5966.3	5323.2	4702.7	4174.7	3760.6	3438.9	3224.0	3089.7
17°	7352.3	7193.0	6769.3	6162.8	5466.4	4791.9	4220.1	3775.0	3432.0	3207.7	3070.4
18°	7645.1	7475.2	7018.8	6363.0	5613.4	4883.3	4268.5	3792.5	3427.4	3194.1	3053.1
19°	7931.0	7748.8	7262.2	6562.4	5758.3	4976.6	4318.6	3812.4	3427.0	3182.1	3038.6
20°	8204.0	8015.6	7499.3	6757.6	5906.1	5071.6	4370.7	3834.0	3428.3	3173.6	3026.4
21°	8464.6	8271.9	7729.7	6952.1	6054.5	5169.8	4423.2	3856.7	3431.0	3166.8	3014.5
22°	8701.7	8509.1	7945.8	7140.5	6201.1	5267.7	4476.7	3880.8	3436.8	3161.4	3004.2
23°	8933.3	8741.3	8157.0	7324.5	6351.8	5369.3	4529.4	3904.4	3443.1	3158.2	2996.9
24°	9147.6	8957.4	8362.7	7501.2	6494.5	5467.2	4582.2	3927.8	3450.6	3156.0	2989.7
25°	9352.7	9168.0	8561.5	7675.3	6634.7	5566.3	4635.3	3949.4	3459.5	3155.5	2983.4
26°	9529.3	9353.9	8754.9	7844.5	6774.3	5669.6	4688.6	3972.5	3469.7	3154.9	2977.1
27°	9684.3	9519.4	8939.5	8007.0	6915.7	5773.4	4742.8	3995.5	3479.5	3154.9	2971.4
28°	9823.9	9665.8	9108.1	8171.2	7050.3	5875.4	4799.3	4017.5	3489.0	3155.8	2966.6
29°	9970.9	9806.6	9266.2	8330.6	7182.5	5983.3	4858.2	4041.1	3498.5	3156.0	2963.7
30°	10148.1	9974.6	9428.0	8491.8	7314.0	6094.0	4919.9	4066.2	3509.5	3156.6	2962.5
31°	10293.2	10130.2	9599.1	8656.7	7451.1	6202.4	4983.9	4092.0	3521.6	3158.9	2961.6
32°	10398.9	10250.0	9759.7	8819.1	7596.3	6309.8	5050.3	4120.3	3534.7	3163.1	2961.2
33°	10434.1	10315.5	9893.7	8975.3	7751.3	6417.3	5118.5	4147.3	3547.3	3167.0	2960.4
34°	10399.5	10303.1	9976.4	9120.5	7902.6	6539.6	5188.9	4179.9	3559.6	3172.4	2960.4
35°	10301.9	10222.2	9985.7	9229.8	8028.6	6668.0	5261.6	4214.5	3573.9	3179.5	2963.1
36°	10175.3	10116.0	9933.8	9292.8	8140.4	6795.3	5335.9	4251.0	3591.3	3188.6	2970.6
37°	10064.1	9992.5	9851.1	9301.4	8221.9	6899.6	5412.1	4284.0	3610.0	3201.4	2983.2
38°	10001.7	9909.1	9765.2	9268.7	8276.8	6989.8	5489.9	4317.0	3629.7	3218.8	3001.6
39°	9965.3	9864.6	9699.1	9227.9	8297.2	7060.8	5568.6	4352.3	3651.0	3240.8	3022.0
40°	9936.9	9835.0	9663.3	9200.1	8290.4	7107.8	5635.9	4389.9	3674.6	3266.4	3044.9
41°	9904.8	9810.9	9642.9	9184.1	8288.6	7132.5	5688.9	4433.3	3701.5	3294.8	3067.8
42°	9864.6	9784.4	9628.1	9183.5	8299.7	7154.1	5727.7	4470.4	3730.1	3324.4	3089.0
43°	9814.6	9754.1	9610.8	9195.2	8317.6	7181.9	5755.4	4500.0	3763.2	3356.7	3107.7
44°	9754.1	9717.0	9589.8	9208.8	8340.5	7223.9	5781.9	4526.8	3797.1	3388.5	3125.0

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	9680.0	9669.5	9563.3	9218.0	8371.9	7269.6	5813.5	4557.0	3831.2	3420.9	3140.1
46°	9597.9	9612.7	9529.9	9221.7	8406.5	7315.3	5850.3	4589.1	3865.1	3452.5	3153.1
47°	9512.0	9549.7	9488.5	9219.3	8444.8	7362.2	5888.1	4626.0	3898.2	3481.9	3165.5
48°	9424.3	9484.2	9442.2	9208.8	8478.8	7407.3	5925.9	4665.9	3933.2	3510.4	3178.0
49°	9335.4	9412.0	9384.2	9192.1	8509.1	7451.8	5962.1	4708.9	3969.7	3537.5	3193.7
50°	9240.3	9336.6	9321.2	9168.0	8532.5	7493.1	5997.0	4756.7	4005.8	3561.9	3211.0
51°	9135.3	9251.4	9250.2	9138.4	8553.5	7530.2	6027.7	4804.8	4041.7	3587.7	3231.8
52°	9016.1	9152.0	9170.5	9101.3	8570.8	7563.5	6055.0	4850.9	4076.8	3614.3	3255.5
53°	8883.3	9039.6	9087.7	9060.6	8579.5	7590.7	6079.3	4897.2	4117.4	3643.7	3284.7
54°	8727.1	8904.3	8997.6	9009.9	8581.3	7612.9	6100.5	4941.2	4162.2	3676.0	3316.9
55°	8556.0	8744.4	8896.9	8948.8	8577.6	7629.6	6119.4	4983.6	4207.2	3713.3	3352.6
56°	8355.9	8561.5	8780.2	8877.7	8564.6	7640.1	6136.8	5026.7	4254.1	3754.7	3389.3
57°	8130.5	8354.7	8644.9	8796.2	8542.4	7644.4	6149.3	5067.9	4306.1	3801.3	3428.9
58°	7874.2	8118.7	8488.7	8702.4	8506.6	7641.3	6155.8	5105.7	4360.7	3852.2	3474.6
59°	7601.8	7858.7	8315.1	8599.2	8459.6	7629.6	6157.2	5137.4	4417.4	3906.8	3523.1
60°	7275.1	7570.9	8120.6	8481.9	8399.1	7606.8	6152.2	5168.5	4474.1	3965.2	3576.1
61°	6874.3	7241.2	7902.0	8346.0	8322.5	7568.5	6137.5	5195.4	4536.1	4029.5	3634.0
62°	6399.4	6844.0	7657.4	8188.5	8235.5	7514.1	6112.2	5215.7	4599.9	4099.6	3697.3
63°	5861.8	6400.0	7374.6	8011.3	8133.6	7452.4	6085.7	5229.5	4663.5	4175.1	3762.6
64°	5317.0	5919.4	7063.3	7812.4	8014.4	7375.8	6048.9	5235.2	4722.4	4258.2	3834.1
65°	4807.3	5438.9	6710.0	7588.2	7882.2	7283.2	5997.8	5232.7	4779.5	4348.2	3918.5
66°	4373.7	4980.1	6338.2	7333.8	7729.7	7178.8	5926.0	5222.6	4827.1	4442.1	4021.1
67°	4034.7	4557.8	5962.6	7047.2	7546.9	7043.5	5825.9	5190.0	4874.9	4542.4	4138.3
68°	3764.2	4190.4	5578.3	6729.2	7340.6	6868.8	5680.6	5131.5	4916.1	4650.0	4270.9
69°	3489.7	3876.8	5196.1	6381.5	7094.8	6655.7	5465.9	5022.4	4951.2	4763.8	4421.3
70°	3059.6	3559.9	4815.8	6014.0	6806.4	6391.4	5145.6	4832.0	4971.7	4883.8	4586.4
71°	2387.7	3145.3	4448.9	5641.7	6482.8	6050.5	4709.9	4552.9	4959.9	5011.6	4763.5
72°	1585.8	2567.4	4075.1	5271.8	6118.7	5650.3	4231.1	4214.2	4904.8	5139.3	4928.9
73°	889.5	1861.4	3672.0	4901.7	5725.2	5169.3	3756.4	3878.6	4794.8	5271.9	5105.6
74°	675.0	1164.6	3218.0	4519.0	5278.1	4626.1	3306.6	3606.3	4644.2	5388.2	5286.3
75°	465.1	653.8	2713.6	4093.0	4797.3	4014.5	2792.3	3359.5	4472.3	5459.4	5428.4
76°	255.2	510.1	2146.0	3618.7	4255.4	3373.7	2065.4	2978.7	4338.1	5457.4	5513.8
77°	215.0	375.1	1602.5	3012.6	3642.6	2627.9	1338.7	2351.6	4229.6	5364.8	5485.9
78°	187.5	240.0	1177.9	2277.4	2956.6	1800.1	619.1	1676.9	4092.5	5150.8	5250.0
79°	167.9	202.7	849.4	1461.6	2230.1	1029.6	272.4	1002.2	3738.9	4765.9	4685.0
80°	150.8	176.0	598.2	783.6	1543.8	524.2	191.2	338.4	3008.9	4136.0	4048.0
81°	134.7	153.1	423.6	597.7	887.8	361.0	165.3	220.0	2137.1	3354.3	3514.8
82°	119.3	133.5	251.0	422.6	642.7	205.3	145.4	178.7	1265.4	2558.7	3148.2
83°	103.4	117.1	202.6	247.5	406.4	167.1	125.5	147.6	412.6	1936.4	2946.9
84°	87.7	99.3	166.7	212.0	170.2	139.9	105.5	116.6	274.1	1486.4	2232.4
85°	71.6	82.1	124.9	181.7	131.7	113.9	86.9	92.5	224.0	1036.3	1518.0
86°	55.2	65.3	87.7	151.4	102.0	86.7	68.1	71.4	180.7	586.7	804.2
87°	38.7	49.2	65.3	116.6	75.7	62.4	49.1	53.0	137.4	405.1	434.5
88°	22.3	33.2	45.5	77.0	52.6	43.4	31.3	36.7	94.5	223.5	325.8
89°	10.4	17.1	25.6	40.9	29.5	24.6	21.9	25.5	64.0	44.5	217.2



REPORT NUMBER: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0
1°	3758.7	3758.7	3765.2	3777.9	3795.7	3818.1	3841.5	3847.9	3871.5	3895.2	3915.3
2°	3676.3	3674.2	3684.4	3706.8	3739.6	3780.4	3826.7	3856.2	3904.9	3953.2	3994.4
3°	3602.2	3598.2	3611.0	3640.3	3686.4	3745.0	3813.6	3867.5	3942.2	4016.4	4081.0
4°	3535.7	3529.4	3545.0	3581.1	3638.2	3713.0	3801.5	3880.1	3981.4	4084.6	4177.4
5°	3471.4	3464.0	3482.5	3525.0	3593.1	3681.3	3791.5	3894.9	4023.2	4157.6	4278.9
6°	3410.0	3399.3	3420.1	3470.6	3549.8	3653.7	3784.2	3913.3	4068.5	4233.8	4388.8
7°	3350.7	3338.4	3361.7	3417.8	3507.1	3628.1	3777.3	3932.3	4118.2	4316.8	4507.0
8°	3296.9	3282.1	3307.2	3370.7	3466.7	3602.1	3772.1	3952.7	4169.5	4405.8	4631.7
9°	3245.3	3228.3	3255.7	3323.8	3429.9	3576.6	3768.6	3975.4	4224.1	4499.5	4767.6
10°	3198.2	3180.0	3208.0	3280.0	3395.4	3553.9	3768.0	4001.3	4284.2	4598.8	4911.9
11°	3155.8	3135.5	3165.1	3240.8	3363.5	3535.0	3770.1	4031.9	4350.3	4706.3	5065.5
12°	3119.7	3095.6	3125.0	3204.8	3334.0	3519.2	3775.5	4065.7	4420.3	4820.0	5228.8
13°	3086.5	3059.3	3091.0	3171.5	3306.7	3506.0	3783.2	4100.8	4493.1	4943.0	5402.6
14°	3055.1	3026.6	3058.9	3143.7	3282.1	3494.7	3792.3	4137.9	4569.2	5070.5	5586.8
15°	3028.4	2997.7	3029.7	3117.8	3261.7	3485.7	3803.1	4178.9	4648.0	5203.8	5775.7
16°	3003.4	2971.3	3004.2	3094.1	3244.8	3478.3	3816.8	4223.8	4731.7	5342.6	5974.5
17°	2980.6	2948.0	2981.9	3075.0	3231.4	3475.0	3834.5	4269.8	4820.7	5488.6	6176.4
18°	2960.6	2926.0	2962.2	3057.5	3219.3	3474.3	3854.0	4319.1	4911.3	5635.3	6384.0
19°	2941.8	2903.4	2944.0	3044.6	3209.5	3476.7	3876.5	4371.1	5005.3	5785.2	6587.8
20°	2922.3	2880.4	2927.0	3034.0	3202.5	3482.2	3900.7	4423.9	5100.5	5938.6	6788.5
21°	2902.4	2860.0	2910.4	3026.3	3198.5	3490.9	3927.7	4478.4	5200.2	6093.2	6986.1
22°	2884.4	2840.6	2896.3	3019.9	3196.0	3500.4	3955.3	4532.2	5300.2	6247.5	7173.2
23°	2869.0	2824.5	2883.4	3014.8	3195.8	3511.1	3982.2	4587.0	5405.3	6400.6	7361.0
24°	2855.6	2812.0	2872.3	3010.3	3196.2	3523.8	4008.5	4640.9	5508.5	6551.9	7537.6
25°	2845.6	2802.8	2863.9	3008.2	3196.4	3536.2	4035.3	4697.1	5611.7	6698.9	7710.5
26°	2839.2	2796.7	2859.5	3006.1	3197.4	3548.9	4062.7	4752.3	5716.1	6840.3	7881.0
27°	2835.4	2793.8	2858.1	3003.7	3198.1	3561.0	4088.6	4810.4	5822.6	6985.5	8054.5
28°	2834.6	2794.4	2859.2	3001.0	3199.5	3573.3	4115.5	4870.7	5932.4	7126.3	8231.1
29°	2835.4	2797.4	2861.6	2999.6	3202.0	3584.1	4143.3	4934.5	6048.4	7267.7	8400.4
30°	2837.5	2802.1	2864.8	2998.1	3204.8	3595.2	4173.2	5001.2	6162.7	7415.9	8567.7
31°	2841.1	2809.1	2867.6	2996.9	3209.1	3606.1	4205.0	5071.9	6287.0	7571.6	8743.1
32°	2845.8	2818.3	2871.5	2995.5	3213.2	3616.7	4237.3	5145.6	6411.7	7724.1	8897.5
33°	2850.6	2829.0	2876.3	2995.3	3218.7	3628.6	4270.3	5223.8	6542.1	7868.6	9041.4
34°	2856.4	2839.2	2881.5	2996.6	3224.8	3640.3	4305.8	5304.2	6667.4	7999.5	9159.4
35°	2862.6	2851.8	2887.5	3000.3	3233.1	3655.5	4345.2	5384.1	6781.1	8116.9	9236.6
36°	2870.6	2866.1	2894.7	3008.7	3243.5	3671.5	4383.4	5457.0	6889.8	8204.0	9260.7
37°	2879.5	2880.2	2902.8	3024.2	3258.1	3689.3	4416.8	5529.6	6981.2	8250.3	9250.8
38°	2887.6	2895.8	2910.2	3043.8	3279.1	3708.5	4448.9	5600.8	7044.1	8263.9	9214.3
39°	2895.0	2912.8	2916.2	3067.2	3304.2	3728.8	4475.4	5657.1	7085.5	8263.9	9174.2
40°	2903.6	2931.0	2922.5	3091.2	3331.9	3749.9	4504.8	5700.8	7107.1	8262.6	9153.2
41°	2911.7	2944.3	2929.8	3112.2	3361.8	3773.9	4530.4	5738.3	7123.8	8271.9	9154.4
42°	2919.1	2959.4	2938.1	3133.2	3393.4	3799.8	4558.6	5771.9	7151.0	8289.2	9169.2
43°	2926.2	2974.7	2948.3	3151.3	3424.5	3828.3	4590.7	5807.1	7194.8	8313.9	9189.0
44°	2932.9	2990.0	2958.0	3169.8	3454.9	3860.4	4625.1	5843.9	7242.4	8347.9	9205.7



REPORT NUMBER: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2940.4	3003.9	2967.8	3186.3	3485.5	3896.6	4658.9	5880.4	7288.7	8389.2	9216.8
46°	2947.8	3016.0	2977.6	3200.5	3513.2	3935.1	4693.1	5916.7	7331.3	8432.5	9218.7
47°	2958.5	3027.3	2989.4	3213.8	3540.4	3976.6	4732.1	5955.0	7372.7	8473.9	9213.1
48°	2973.2	3033.6	3004.8	3227.7	3564.7	4018.7	4777.6	5988.6	7415.9	8509.1	9200.1
49°	2989.8	3038.8	3023.1	3242.9	3589.0	4058.9	4823.8	6018.9	7458.5	8538.7	9181.6
50°	3007.3	3044.4	3043.8	3261.6	3612.9	4097.2	4870.9	6045.6	7498.1	8559.1	9156.3
51°	3026.9	3049.7	3066.4	3283.3	3637.9	4134.1	4918.3	6068.6	7531.4	8571.4	9126.6
52°	3049.9	3053.7	3090.6	3308.5	3665.8	4172.3	4965.5	6090.5	7558.0	8578.8	9090.2
53°	3076.2	3058.1	3117.0	3337.4	3696.7	4212.2	5011.7	6110.5	7577.7	8581.3	9046.3
54°	3105.6	3067.1	3145.4	3371.1	3732.1	4255.8	5054.5	6126.6	7589.5	8576.4	8995.1
55°	3138.5	3080.9	3177.2	3407.4	3771.9	4302.7	5092.5	6138.6	7594.4	8562.2	8936.4
56°	3175.1	3101.0	3213.5	3446.4	3816.6	4354.8	5130.1	6149.1	7590.7	8537.5	8863.5
57°	3215.4	3126.3	3252.7	3489.5	3867.3	4410.2	5162.8	6155.1	7579.6	8504.7	8774.0
58°	3258.5	3159.7	3296.8	3537.0	3924.1	4467.3	5192.3	6157.8	7561.7	8455.9	8667.2
59°	3308.6	3200.5	3343.6	3589.5	3985.4	4524.0	5219.6	6149.3	7533.9	8396.7	8549.8
60°	3359.0	3249.7	3393.2	3645.4	4051.2	4581.8	5241.5	6133.2	7491.9	8328.1	8422.0
61°	3411.2	3309.6	3448.1	3709.3	4123.4	4637.6	5256.3	6116.8	7441.9	8247.8	8282.4
62°	3468.1	3380.2	3511.9	3775.8	4200.6	4694.0	5263.5	6096.0	7382.6	8150.9	8126.8
63°	3540.8	3461.8	3590.3	3840.1	4282.1	4749.0	5267.5	6064.3	7307.2	8036.0	7947.1
64°	3626.1	3558.8	3679.2	3913.9	4372.4	4801.0	5261.2	6019.6	7217.7	7906.9	7732.1
65°	3723.2	3673.1	3778.9	4004.6	4466.2	4851.4	5243.2	5946.8	7107.1	7753.7	7487.0
66°	3835.0	3802.5	3891.9	4113.4	4564.2	4901.0	5211.7	5841.5	6961.4	7577.1	7214.0
67°	3965.6	3942.2	4022.0	4232.7	4665.3	4938.2	5151.4	5697.4	6777.4	7382.0	6921.9
68°	4104.9	4081.0	4163.2	4367.2	4772.9	4958.2	5054.0	5479.6	6556.9	7149.1	6604.4
69°	4241.9	4180.9	4293.0	4518.5	4885.0	4962.8	4888.3	5158.8	6300.0	6876.2	6262.9
70°	4365.4	4270.5	4408.9	4684.8	5002.7	4940.0	4612.7	4727.1	5972.4	6564.9	5891.7
71°	4480.1	4352.5	4518.7	4855.4	5123.2	4882.8	4254.3	4235.6	5559.5	6211.0	5505.4
72°	4583.1	4382.7	4612.4	5023.2	5244.4	4788.0	3911.6	3763.4	5090.0	5826.6	5116.9
73°	4625.6	4262.1	4646.8	5196.4	5348.0	4643.6	3649.4	3316.0	4538.3	5381.2	4716.2
74°	4531.8	3931.3	4519.8	5355.4	5396.6	4479.8	3419.9	2829.1	3950.7	4878.0	4300.4
75°	4246.4	3251.8	4181.1	5476.9	5388.2	4348.2	3046.1	2125.0	3302.3	4326.8	3843.5
76°	3732.4	2454.8	3649.8	5526.2	5295.9	4274.3	2391.5	1301.9	2588.0	3735.3	3322.7
77°	3022.7	1918.8	2973.7	5461.0	5112.3	4164.3	1696.8	604.7	1791.4	3073.1	2662.6
78°	2529.0	2028.6	2581.7	5138.9	4815.2	3811.8	1002.0	453.3	1020.7	2365.0	1817.3
79°	2642.1	2594.6	2801.3	4523.2	4350.1	3115.5	309.0	312.9	511.0	1688.7	1041.3
80°	3226.1	2990.5	3342.7	3833.6	3715.7	2200.1	219.2	172.5	354.3	1032.7	512.2
81°	3435.9	2700.1	3354.6	3218.3	2944.0	1284.8	178.1	148.1	206.5	524.5	388.2
82°	2712.5	1964.3	2477.1	2961.0	2210.1	383.3	151.2	128.6	168.9	346.7	267.3
83°	1961.9	1228.4	1647.6	2652.3	1682.4	273.0	124.3	109.7	143.3	179.0	230.0
84°	1211.3	500.4	829.8	1960.9	1154.7	228.3	97.6	90.7	118.9	140.6	199.1
85°	473.3	400.6	451.2	1269.7	633.0	186.7	76.8	71.2	93.0	108.2	169.3
86°	333.0	300.8	313.0	588.9	440.7	144.9	58.2	53.5	68.4	81.6	137.4
87°	192.6	201.0	174.9	471.6	248.4	103.2	41.7	35.9	48.9	58.3	99.8
88°	55.9	101.2	38.0	354.4	59.3	78.2	28.9	18.2	29.5	47.1	54.9
89°	29.2	1.7	20.2	237.2	31.2	53.3	16.2	5.9	10.1	35.9	41.7



REPORT NUMBER: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	3849.0	3849.0	3849.0
1°	3931.5	3943.4	3947.7
2°	4028.0	4050.0	4057.9
3°	4134.4	4169.7	4180.5
4°	4250.9	4301.2	4317.5
5°	4380.1	4445.2	4465.6
6°	4518.9	4604.4	4630.4
7°	4667.4	4772.5	4806.5
8°	4827.1	4952.5	4996.8
9°	4996.2	5150.3	5201.9
10°	5178.7	5361.0	5421.8
11°	5377.3	5588.5	5660.3
12°	5584.1	5824.3	5908.2
13°	5806.1	6082.7	6178.9
14°	6037.1	6350.0	6464.2
15°	6277.1	6624.2	6756.4
16°	6525.4	6913.2	7054.0
17°	6781.1	7203.5	7352.3
18°	7036.1	7488.2	7645.1
19°	7283.8	7761.8	7931.0
20°	7522.2	8026.1	8204.0
21°	7751.3	8275.6	8464.6
22°	7968.1	8507.8	8701.7
23°	8177.4	8740.0	8933.3
24°	8378.7	8961.7	9147.6
25°	8579.5	9176.7	9352.7
26°	8780.2	9365.0	9529.3
27°	8972.9	9532.4	9684.3
28°	9146.4	9679.4	9823.9
29°	9311.9	9825.7	9970.9
30°	9473.7	9991.9	10148.1
31°	9638.6	10143.8	10293.2
32°	9789.3	10253.1	10398.9
33°	9895.5	10302.5	10434.1
34°	9947.4	10285.2	10399.5
35°	9938.8	10203.1	10301.9
36°	9888.1	10088.2	10175.3
37°	9800.4	9971.5	10064.1
38°	9722.6	9896.1	10001.7
39°	9675.7	9854.1	9965.3
40°	9649.1	9829.4	9936.9
41°	9634.3	9808.4	9904.8
42°	9618.8	9786.2	9864.6
43°	9601.6	9757.2	9814.6
44°	9582.4	9721.4	9754.1



REPORT NUMBER: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	9557.1	9672.0	9680.0
46°	9526.8	9612.1	9597.9
47°	9490.4	9544.7	9512.0
48°	9444.7	9472.5	9424.3
49°	9389.1	9400.8	9335.4
50°	9324.9	9325.5	9240.3
51°	9249.5	9246.4	9135.3
52°	9164.3	9148.9	9016.1
53°	9077.8	9032.8	8883.3
54°	8986.4	8893.8	8727.1
55°	8885.2	8730.8	8556.0
56°	8767.8	8549.8	8355.9
57°	8628.9	8344.2	8130.5
58°	8467.7	8103.3	7874.2
59°	8287.3	7839.6	7601.8
60°	8082.3	7551.2	7275.1
61°	7847.6	7220.8	6874.3
62°	7591.9	6831.7	6399.4
63°	7317.7	6387.0	5861.8
64°	7007.7	5893.2	5317.0
65°	6666.2	5417.9	4807.3
66°	6290.1	4970.8	4373.7
67°	5908.7	4558.6	4034.7
68°	5520.4	4197.8	3764.2
69°	5149.7	3868.5	3489.7
70°	4792.4	3546.5	3059.6
71°	4422.4	3140.6	2387.7
72°	4011.8	2560.9	1585.8
73°	3597.0	1857.1	889.5
74°	3154.4	1193.2	675.0
75°	2600.2	693.5	465.1
76°	2016.1	542.7	255.2
77°	1528.5	394.1	215.0
78°	1126.8	245.4	187.5
79°	810.9	203.9	167.9
80°	618.8	175.8	150.8
81°	427.3	152.3	134.7
82°	235.8	133.4	119.3
83°	193.4	118.6	103.4
84°	155.5	100.2	87.7
85°	111.4	80.5	71.6
86°	81.6	63.4	55.2
87°	59.0	47.1	38.7
88°	38.3	30.7	22.3
89°	17.6	14.4	10.4



REPORT NUMBER: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

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: P1436777

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)