

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: P1436825

Luminaire Tested: XAS300-SFPM (5000K-180W-T3)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436825
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 (5000K-180W-T3)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 3
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

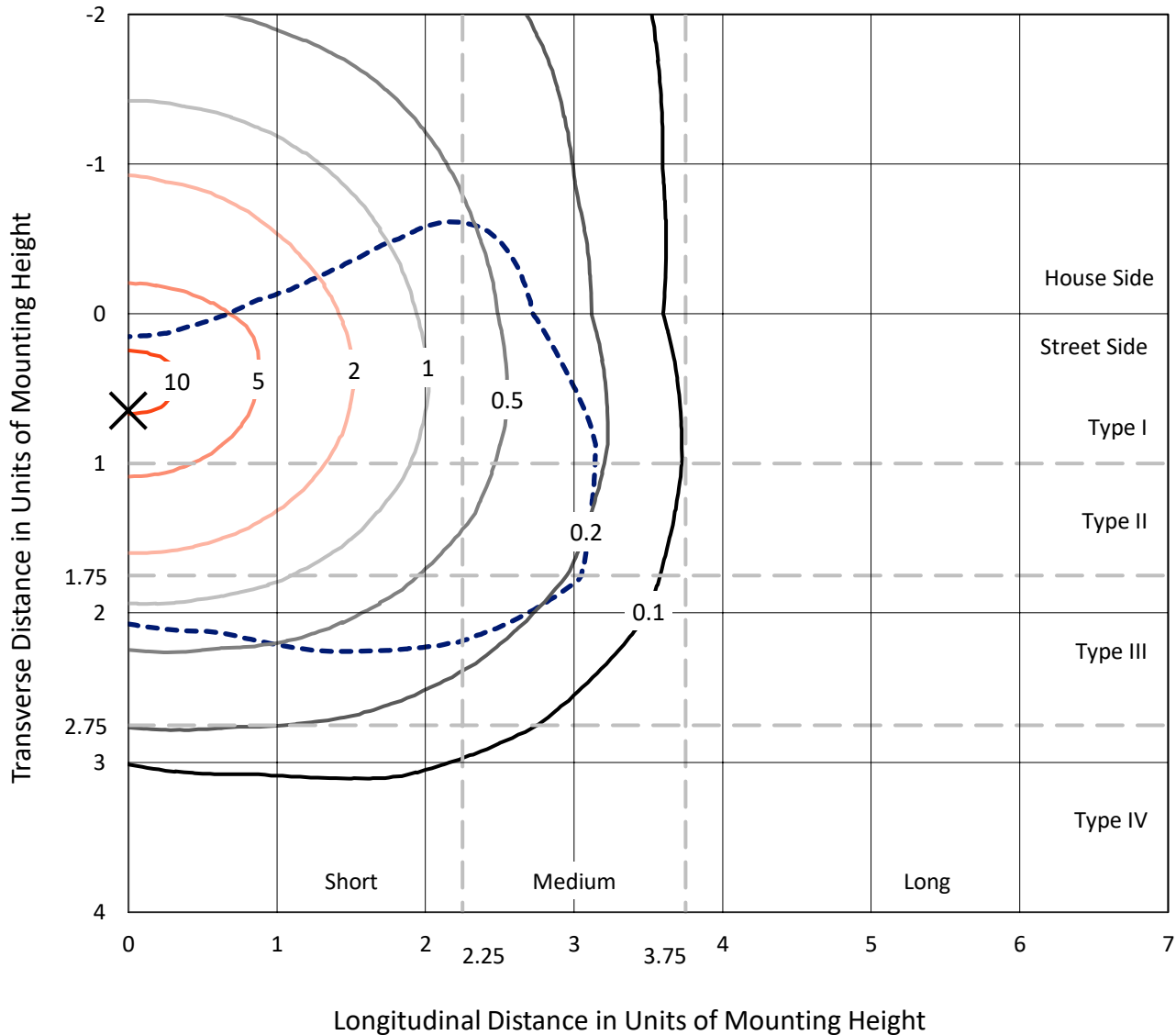
Lumens per Lamp: 45292 (1 lamp)
Luminaire Lumens: 29682.6 lumens
Efficiency: 65.5%
Efficacy: 158.5 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 187.3
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

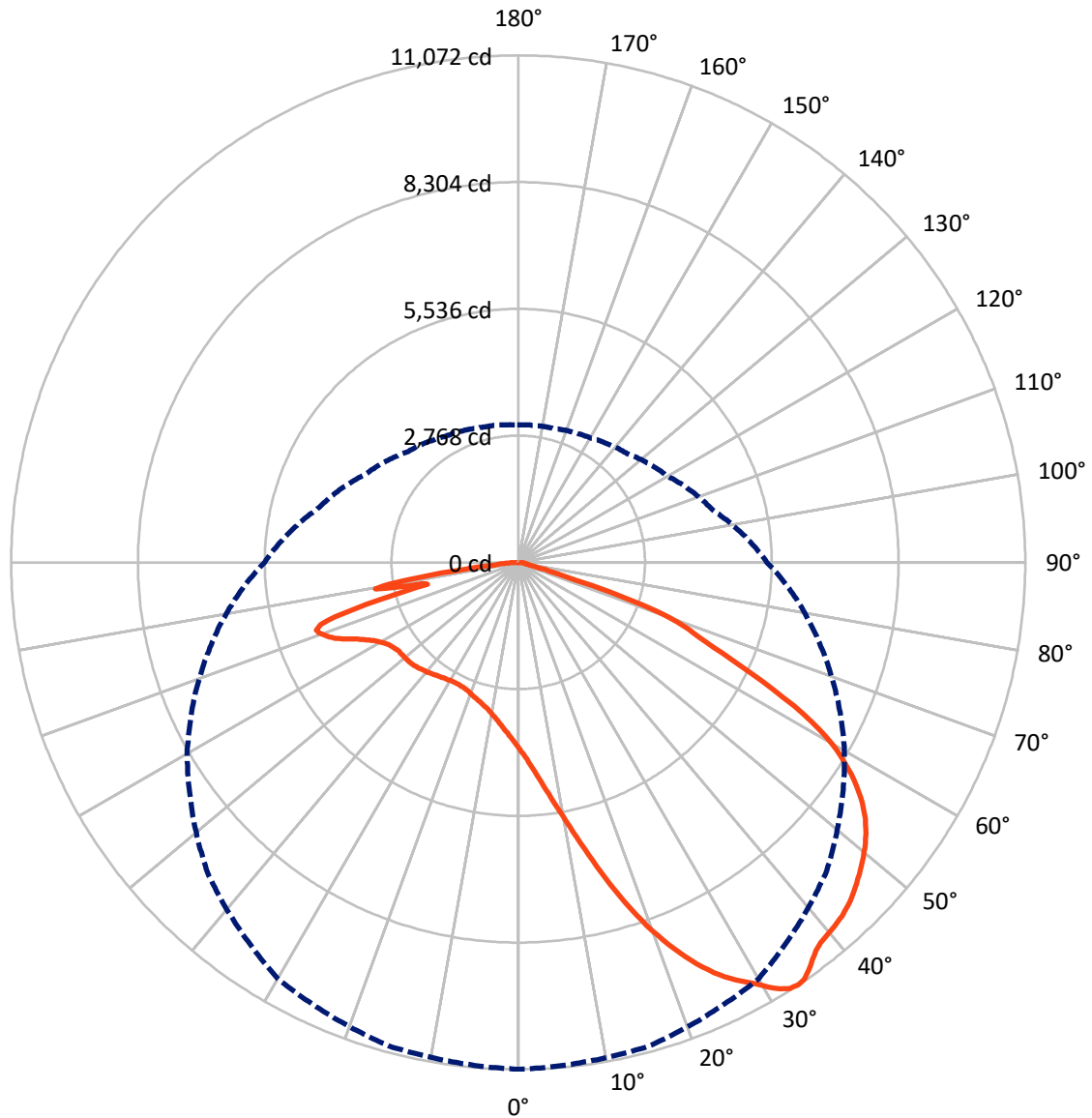
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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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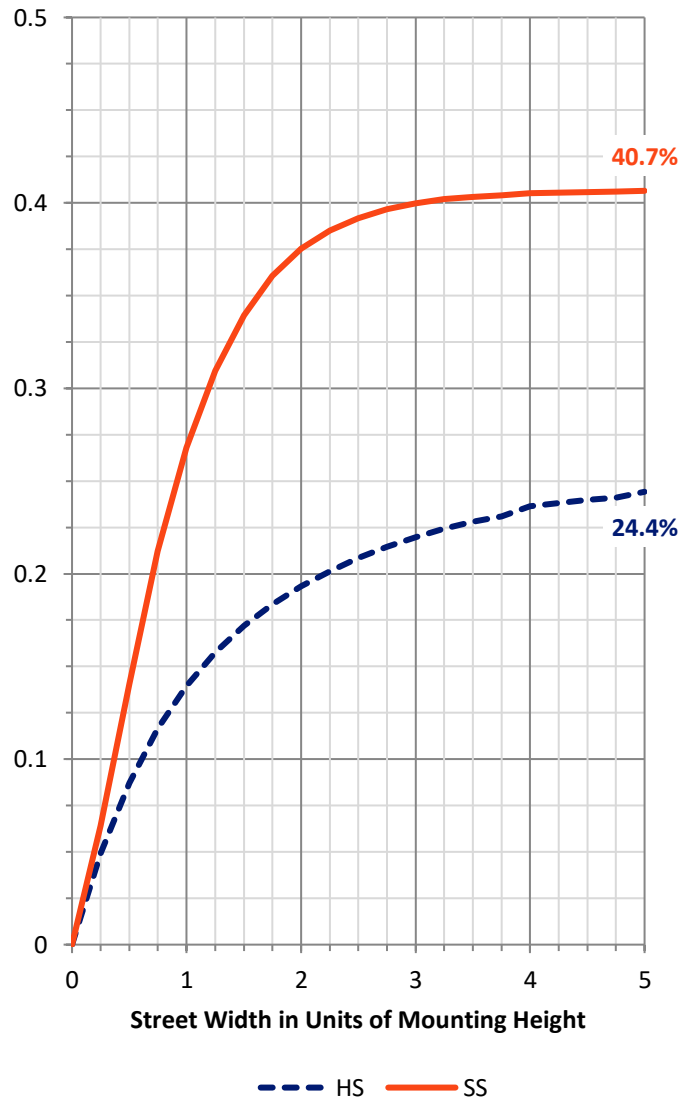
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11255.7	0.0	11255.7
	% Lamp	24.9	0.0	24.9
Street Side	Lumens	18427.0	0.0	18427.0
	% Lamp	40.7	0.0	40.7
Total	Lumens	29682.6	0.0	29682.6
	% Lamp	65.5	0.0	65.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	405.0	1.4	0.9
10°-20°	1376.7	4.6	3.0
20°-30°	2666.1	9.0	5.9
30°-40°	4030.9	13.6	8.9
40°-50°	5087.6	17.1	11.2
50°-60°	5868.6	19.8	13.0
60°-70°	5850.2	19.7	12.9
70°-80°	3815.1	12.9	8.4
80°-90°	582.5	2.0	1.3
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°	29682.6	100.0	65.5
0°-180°	29682.6	100.0	65.5

Coefficient of Utilization



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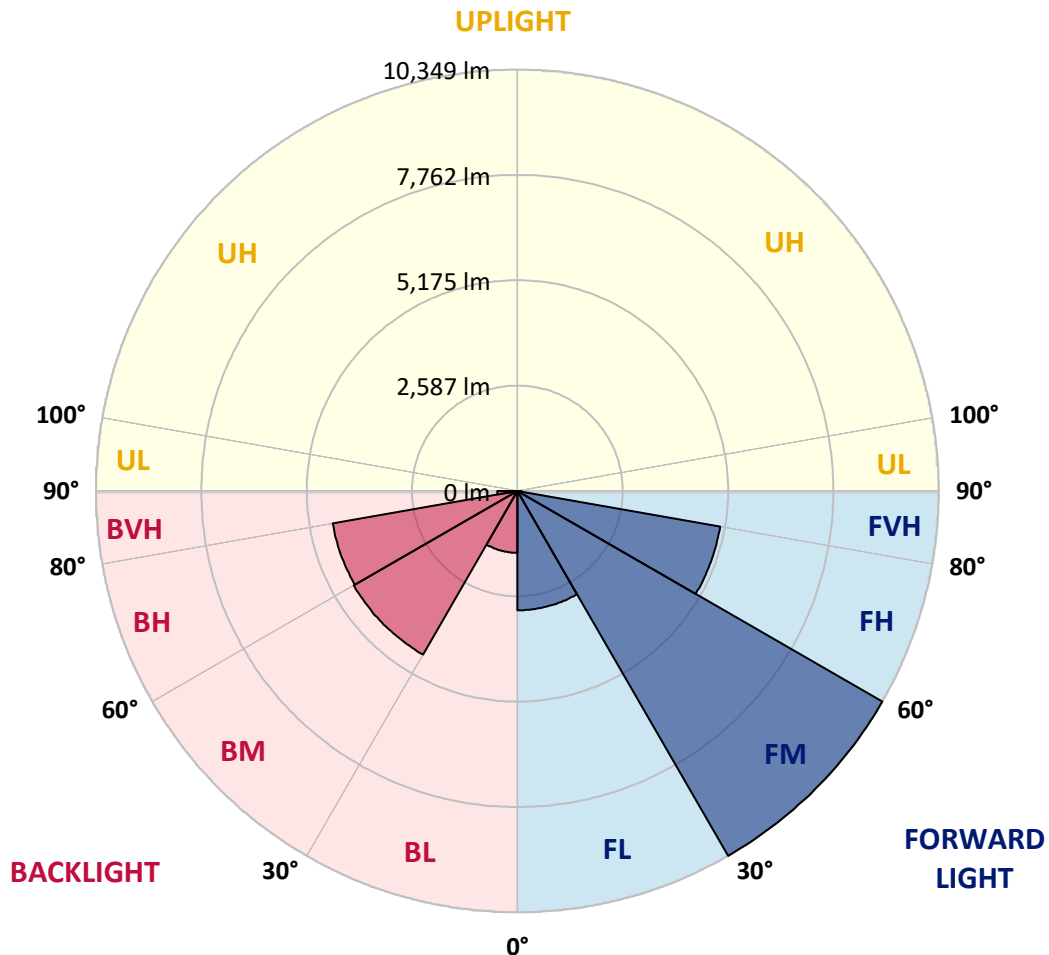
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2929.2	6.5			
FM (30°-60°)	10349.2	22.8			
FH (60°-80°)	5059.0	11.2			G3/7500
FVH (80°-90°)	89.6	0.2			G1/100
BL (0°-30°)	1518.6	3.4	B3/2500		
BM (30°-60°)	4637.9	10.2	B3/5000		
BH (60°-80°)	4606.2	10.2	B4/5000		G4/5000
BVH (80°-90°)	492.9	1.1			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	15609.4	34.5			

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°	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4
1°	4189.2	4187.9	4178.2	4164.3	4144.5	4121.1	4074.9	4048.9	4026.8	4008.2	3995.0
2°	4306.2	4300.5	4278.4	4242.7	4198.3	4148.7	4075.7	4024.2	3979.5	3942.2	3916.1
3°	4436.2	4423.3	4385.8	4328.6	4257.9	4180.2	4079.5	4003.6	3936.9	3882.7	3843.7
4°	4581.7	4560.5	4507.0	4426.3	4325.0	4217.3	4087.9	3986.7	3900.0	3829.1	3779.9
5°	4738.8	4712.6	4639.0	4529.1	4400.1	4260.2	4101.3	3974.9	3866.2	3781.3	3721.0
6°	4913.7	4879.7	4785.8	4645.9	4480.6	4305.2	4115.9	3964.9	3837.1	3737.6	3662.8
7°	5100.6	5062.1	4945.7	4771.5	4566.5	4354.1	4132.6	3957.1	3810.3	3693.6	3606.9
8°	5302.5	5251.7	5115.1	4907.3	4659.5	4407.1	4153.2	3952.1	3785.8	3652.0	3556.4
9°	5520.2	5461.0	5300.0	5051.8	4758.7	4465.2	4177.2	3948.6	3761.0	3613.8	3508.6
10°	5753.5	5683.7	5492.4	5208.1	4866.0	4527.3	4203.9	3947.5	3738.7	3579.7	3465.0
11°	6006.6	5924.5	5703.1	5373.8	4978.6	4593.9	4232.0	3948.2	3717.0	3547.2	3424.9
12°	6269.6	6176.4	5924.9	5546.6	5099.7	4665.0	4264.0	3951.9	3699.0	3517.2	3389.6
13°	6557.0	6452.0	6157.6	5729.7	5228.1	4740.0	4300.2	3957.4	3683.2	3489.2	3356.9
14°	6859.7	6739.1	6405.6	5923.5	5363.7	4820.3	4341.5	3965.6	3668.6	3464.1	3328.0
15°	7169.7	7034.1	6659.8	6123.2	5502.3	4902.8	4384.3	3976.9	3657.7	3441.5	3303.1
16°	7485.6	7332.9	6920.7	6331.3	5648.9	4990.4	4430.2	3990.7	3649.3	3421.3	3278.7
17°	7802.2	7633.1	7183.5	6539.8	5800.9	5085.1	4478.3	4005.9	3642.0	3403.9	3258.3
18°	8112.8	7932.6	7448.3	6752.3	5956.8	5182.1	4529.6	4024.5	3637.1	3389.6	3239.9
19°	8416.2	8222.9	7706.5	6963.9	6110.6	5281.1	4582.9	4045.6	3636.7	3376.8	3224.5
20°	8705.9	8506.0	7958.1	7171.0	6267.5	5381.9	4638.1	4068.6	3638.0	3367.7	3211.6
21°	8982.5	8778.0	8202.6	7377.5	6424.9	5486.1	4693.8	4092.7	3640.9	3360.5	3199.0
22°	9234.1	9029.7	8432.0	7577.4	6580.5	5590.0	4750.6	4118.3	3647.1	3354.8	3188.0
23°	9479.9	9276.1	8656.1	7772.7	6740.5	5697.8	4806.5	4143.3	3653.8	3351.4	3180.3
24°	9707.3	9505.5	8874.3	7960.1	6891.8	5801.7	4862.6	4168.1	3661.7	3349.1	3172.6
25°	9924.9	9728.9	9085.4	8144.9	7040.6	5906.9	4918.9	4191.1	3671.2	3348.6	3165.9
26°	10112.3	9926.2	9290.5	8324.5	7188.7	6016.5	4975.5	4215.5	3682.0	3347.9	3159.2
27°	10276.8	10101.8	9486.4	8496.8	7338.8	6126.6	5033.0	4239.9	3692.4	3347.9	3153.2
28°	10424.9	10257.2	9665.4	8671.2	7481.7	6234.8	5092.9	4263.3	3702.4	3348.9	3148.1
29°	10580.9	10406.6	9833.1	8840.3	7621.9	6349.3	5155.4	4288.3	3712.6	3349.1	3145.0
30°	10769.0	10584.8	10004.8	9011.3	7761.5	6466.8	5220.9	4314.9	3724.3	3349.7	3143.7
31°	10923.0	10750.0	10186.4	9186.3	7907.0	6581.9	5288.8	4342.4	3737.1	3352.2	3142.8
32°	11035.1	10877.1	10356.8	9358.6	8061.0	6695.9	5359.3	4372.4	3751.0	3356.6	3142.4
33°	11072.4	10946.6	10499.0	9524.5	8225.5	6809.9	5431.7	4401.0	3764.4	3360.8	3141.6
34°	11035.7	10933.5	10586.8	9678.5	8386.1	6939.7	5506.4	4435.6	3777.3	3366.5	3141.6
35°	10932.2	10847.6	10596.6	9794.5	8519.8	7076.0	5583.5	4472.4	3792.5	3374.0	3144.4
36°	10797.8	10734.9	10541.6	9861.3	8638.4	7211.0	5662.4	4511.1	3811.0	3383.7	3152.3
37°	10679.9	10603.8	10453.8	9870.5	8724.9	7321.8	5743.2	4546.1	3830.8	3397.2	3165.8
38°	10613.7	10515.4	10362.7	9835.8	8783.2	7417.4	5825.8	4581.1	3851.7	3415.8	3185.2
39°	10575.0	10468.2	10292.5	9792.5	8804.9	7492.8	5909.3	4618.6	3874.3	3439.1	3206.8
40°	10544.9	10436.7	10254.5	9763.0	8797.7	7542.6	5980.7	4658.5	3899.4	3466.2	3231.2
41°	10510.8	10411.2	10232.9	9746.0	8795.7	7568.8	6036.9	4704.5	3927.9	3496.4	3255.5
42°	10468.2	10383.0	10217.2	9745.3	8807.5	7591.8	6078.1	4743.9	3958.3	3527.8	3278.0
43°	10415.1	10350.9	10198.8	9757.8	8826.5	7621.3	6107.6	4775.3	3993.5	3562.1	3297.9
44°	10350.9	10311.6	10176.5	9772.2	8850.7	7665.8	6135.7	4803.8	4029.5	3595.8	3316.2



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10272.2	10261.1	10148.4	9782.0	8884.2	7714.3	6169.2	4835.8	4065.6	3630.2	3332.2
46°	10185.1	10200.8	10113.0	9785.9	8920.9	7762.8	6208.2	4869.9	4101.6	3663.7	3346.0
47°	10094.0	10133.9	10069.1	9783.3	8961.5	7812.6	6248.3	4909.0	4136.7	3694.9	3359.2
48°	10000.9	10064.5	10019.9	9772.2	8997.5	7860.5	6288.4	4951.4	4173.8	3725.2	3372.4
49°	9906.5	9987.8	9958.3	9754.5	9029.7	7907.7	6326.9	4997.0	4212.6	3753.9	3389.1
50°	9805.6	9907.8	9891.5	9728.9	9054.6	7951.6	6363.9	5047.8	4250.9	3779.8	3407.5
51°	9694.2	9817.4	9816.1	9697.5	9076.8	7990.9	6396.5	5098.8	4289.0	3807.2	3429.5
52°	9567.7	9711.9	9731.6	9658.2	9095.2	8026.3	6425.5	5147.6	4326.3	3835.4	3454.6
53°	9426.8	9592.6	9643.7	9614.9	9104.4	8055.1	6451.2	5196.9	4369.3	3866.6	3485.7
54°	9261.0	9449.1	9548.0	9561.2	9106.3	8078.7	6473.7	5243.5	4416.8	3900.9	3519.8
55°	9079.5	9279.3	9441.2	9496.3	9102.4	8096.4	6493.8	5288.6	4464.6	3940.5	3557.7
56°	8867.1	9085.4	9317.4	9420.9	9088.6	8107.6	6512.3	5334.2	4514.4	3984.4	3596.7
57°	8627.9	8865.8	9173.8	9334.4	9065.0	8112.1	6525.5	5377.9	4569.6	4033.9	3638.7
58°	8355.9	8615.5	9008.0	9234.8	9027.0	8108.9	6532.4	5418.1	4627.5	4087.9	3687.2
59°	8066.9	8339.6	8823.9	9125.3	8977.2	8096.4	6533.9	5451.7	4687.7	4145.8	3738.6
60°	7720.2	8034.2	8617.4	9000.8	8913.0	8072.2	6528.6	5484.8	4747.9	4207.8	3794.8
61°	7294.9	7684.2	8385.4	8856.6	8831.7	8031.5	6513.0	5513.3	4813.6	4276.0	3856.3
62°	6790.9	7262.8	8125.9	8689.5	8739.3	7973.9	6486.2	5534.8	4881.3	4350.4	3923.5
63°	6220.4	6791.6	7825.7	8501.4	8631.2	7908.3	6458.1	5549.5	4948.8	4430.5	3992.8
64°	5642.3	6281.6	7495.4	8290.4	8504.7	7827.1	6419.0	5555.5	5011.3	4518.8	4068.7
65°	5101.4	5771.6	7120.6	8052.5	8364.5	7728.7	6364.8	5552.8	5071.9	4614.2	4158.2
66°	4641.3	5284.8	6726.0	7782.5	8202.6	7618.0	6288.5	5542.1	5122.4	4713.9	4267.2
67°	4281.5	4836.7	6327.4	7478.4	8008.6	7474.5	6182.3	5507.6	5173.2	4820.3	4391.5
68°	3994.5	4446.7	5919.6	7140.9	7789.7	7289.0	6028.2	5445.4	5216.9	4934.5	4532.2
69°	3703.2	4114.0	5514.0	6771.9	7528.9	7062.9	5800.3	5329.6	5254.1	5055.2	4691.8
70°	3246.8	3777.7	5110.4	6382.0	7222.8	6782.4	5460.5	5127.7	5275.8	5182.6	4867.0
71°	2533.8	3337.7	4721.1	5986.9	6879.4	6420.7	4998.1	4831.5	5263.4	5318.2	5054.9
72°	1682.9	2724.5	4324.4	5594.3	6493.1	5996.0	4489.9	4472.0	5204.9	5453.8	5230.5
73°	943.9	1975.3	3896.6	5201.6	6075.5	5485.6	3986.3	4115.9	5088.1	5594.5	5417.9
74°	716.3	1235.8	3414.9	4795.5	5601.0	4909.1	3508.9	3827.0	4928.3	5717.8	5609.7
75°	493.5	693.8	2879.6	4343.4	5090.8	4260.2	2963.1	3565.1	4745.9	5793.4	5760.5
76°	270.8	541.4	2277.3	3840.1	4515.7	3580.1	2191.8	3160.9	4603.6	5791.3	5851.1
77°	228.2	398.0	1700.5	3196.9	3865.4	2788.7	1420.6	2495.4	4488.4	5693.0	5821.6
78°	198.9	254.7	1250.0	2416.7	3137.5	1910.3	656.9	1779.5	4342.9	5465.9	5571.2
79°	178.1	215.1	901.3	1551.1	2366.5	1092.6	289.1	1063.5	3967.7	5057.5	4971.6
80°	160.0	186.8	634.8	831.5	1638.3	556.3	202.9	359.1	3193.0	4389.0	4295.7
81°	142.9	162.5	449.5	634.3	942.1	383.1	175.5	233.4	2267.9	3559.5	3729.9
82°	126.6	141.7	266.4	448.5	682.0	217.8	154.3	189.6	1342.8	2715.3	3340.8
83°	109.7	124.2	215.0	262.7	431.3	177.3	133.1	156.6	437.8	2054.9	3127.2
84°	93.1	105.3	176.9	224.9	180.6	148.5	112.0	123.7	290.9	1577.3	2369.0
85°	76.0	87.1	132.5	192.8	139.7	120.9	92.2	98.1	237.7	1099.7	1610.8
86°	58.6	69.3	93.1	160.7	108.3	92.0	72.3	75.8	191.8	622.6	853.4
87°	41.1	52.2	69.3	123.7	80.4	66.3	52.1	56.2	145.9	429.9	461.1
88°	23.6	35.2	48.3	81.8	55.8	46.1	33.2	38.9	100.3	237.2	345.8
89°	11.0	18.1	27.2	43.4	31.3	26.1	23.2	27.1	67.9	47.2	230.5



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CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825
 CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4	4084.4
1°	3988.6	3988.7	3995.6	4009.0	4028.0	4051.7	4076.6	4083.3	4108.4	4133.5	4154.9
2°	3901.3	3899.0	3909.9	3933.6	3968.4	4011.7	4060.8	4092.1	4143.8	4195.1	4238.8
3°	3822.6	3818.3	3831.9	3863.0	3912.0	3974.1	4046.9	4104.2	4183.4	4262.1	4330.7
4°	3752.0	3745.4	3761.9	3800.2	3860.8	3940.2	4034.1	4117.5	4225.0	4334.5	4433.0
5°	3683.8	3675.9	3695.6	3740.7	3812.9	3906.6	4023.5	4133.2	4269.4	4411.9	4540.7
6°	3618.7	3607.3	3629.4	3682.9	3767.0	3877.3	4015.7	4152.7	4317.4	4492.9	4657.3
7°	3555.7	3542.7	3567.4	3626.9	3721.6	3850.1	4008.4	4172.9	4370.1	4580.9	4782.7
8°	3498.6	3482.9	3509.6	3576.9	3678.8	3822.4	4002.9	4194.5	4424.6	4675.3	4915.1
9°	3443.8	3425.8	3454.9	3527.1	3639.8	3795.4	3999.1	4218.6	4482.6	4774.8	5059.3
10°	3393.9	3374.6	3404.3	3480.7	3603.1	3771.3	3998.5	4246.1	4546.4	4880.2	5212.4
11°	3348.9	3327.4	3358.8	3439.0	3569.3	3751.3	4000.8	4278.6	4616.5	4994.3	5375.5
12°	3310.5	3285.0	3316.2	3400.8	3537.9	3734.5	4006.5	4314.4	4690.7	5114.9	5548.7
13°	3275.3	3246.5	3280.1	3365.5	3509.0	3720.5	4014.7	4351.7	4768.0	5245.4	5733.2
14°	3242.0	3211.8	3246.1	3336.0	3483.0	3708.5	4024.3	4391.1	4848.7	5380.8	5928.7
15°	3213.7	3181.2	3215.0	3308.6	3461.3	3699.0	4035.8	4434.6	4932.4	5522.2	6129.1
16°	3187.1	3153.1	3188.0	3283.4	3443.4	3691.2	4050.4	4482.2	5021.2	5669.5	6340.0
17°	3162.9	3128.3	3164.3	3263.1	3429.1	3687.6	4069.1	4531.0	5115.6	5824.4	6554.3
18°	3141.8	3105.0	3143.5	3244.6	3416.2	3686.8	4089.8	4583.3	5211.8	5980.0	6774.5
19°	3121.8	3081.0	3124.1	3230.9	3405.9	3689.4	4113.7	4638.5	5311.5	6139.2	6990.8
20°	3101.1	3056.6	3106.0	3219.6	3398.4	3695.2	4139.3	4694.6	5412.5	6301.9	7203.8
21°	3080.0	3035.0	3088.5	3211.4	3394.1	3704.5	4168.0	4752.4	5518.4	6466.0	7413.5
22°	3060.8	3014.4	3073.5	3204.6	3391.5	3714.6	4197.3	4809.5	5624.4	6629.7	7612.1
23°	3044.6	2997.3	3059.8	3199.2	3391.3	3726.0	4225.9	4867.7	5736.0	6792.2	7811.3
24°	3030.3	2984.1	3048.0	3194.5	3391.7	3739.4	4253.7	4924.9	5845.6	6952.8	7998.8
25°	3019.7	2974.3	3039.1	3192.3	3392.0	3752.6	4282.2	4984.5	5955.1	7108.8	8182.3
26°	3012.9	2967.8	3034.5	3190.1	3393.0	3766.0	4311.3	5043.1	6065.8	7258.9	8363.1
27°	3008.9	2964.7	3033.0	3187.5	3393.8	3778.8	4338.7	5104.7	6178.9	7412.9	8547.3
28°	3008.1	2965.3	3034.1	3184.6	3395.3	3792.0	4367.3	5168.7	6295.3	7562.3	8734.7
29°	3008.9	2968.6	3036.7	3183.1	3397.9	3803.4	4396.8	5236.5	6418.4	7712.4	8914.3
30°	3011.2	2973.5	3040.1	3181.5	3400.8	3815.2	4428.5	5307.2	6539.8	7869.7	9091.9
31°	3015.0	2981.0	3043.1	3180.3	3405.4	3826.8	4462.3	5382.2	6671.6	8034.8	9278.0
32°	3019.9	2990.8	3047.1	3178.7	3409.8	3838.0	4496.5	5460.5	6804.0	8196.7	9441.9
33°	3025.0	3002.0	3052.2	3178.6	3415.6	3850.6	4531.6	5543.4	6942.3	8350.0	9594.6
34°	3031.2	3012.9	3057.7	3179.9	3422.1	3863.0	4569.3	5628.8	7075.3	8489.0	9719.8
35°	3037.8	3026.3	3064.2	3183.9	3430.9	3879.1	4611.1	5713.6	7195.9	8613.5	9801.7
36°	3046.2	3041.5	3071.8	3192.8	3441.9	3896.1	4651.5	5790.9	7311.3	8705.9	9827.2
37°	3055.7	3056.4	3080.4	3209.3	3457.4	3915.0	4687.0	5868.0	7408.3	8755.1	9816.8
38°	3064.3	3073.0	3088.3	3230.0	3479.7	3935.4	4721.1	5943.5	7475.1	8769.5	9778.1
39°	3072.2	3091.0	3094.6	3254.8	3506.3	3956.9	4749.2	6003.2	7519.0	8769.5	9735.5
40°	3081.3	3110.3	3101.3	3280.4	3535.8	3979.3	4780.4	6049.6	7542.0	8768.2	9713.2
41°	3089.9	3124.4	3109.1	3302.7	3567.5	4004.8	4807.6	6089.3	7559.7	8778.0	9714.5
42°	3097.7	3140.5	3117.9	3324.9	3601.0	4032.3	4837.5	6125.1	7588.5	8796.3	9730.2
43°	3105.3	3156.7	3128.7	3344.1	3634.0	4062.5	4871.5	6162.4	7635.0	8822.6	9751.2
44°	3112.3	3173.0	3139.0	3363.7	3666.3	4096.6	4908.1	6201.4	7685.5	8858.6	9768.9



REPORT NUMBER: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3120.3	3187.6	3149.4	3381.2	3698.7	4135.0	4944.0	6240.2	7734.6	8902.5	9780.7
46°	3128.2	3200.5	3159.7	3396.3	3728.2	4175.8	4980.3	6278.7	7779.9	8948.4	9782.7
47°	3139.5	3212.5	3172.3	3410.5	3757.0	4219.8	5021.6	6319.3	7823.8	8992.3	9776.8
48°	3155.1	3219.2	3188.6	3425.2	3782.8	4264.5	5069.9	6355.0	7869.7	9029.7	9763.0
49°	3172.8	3224.7	3208.0	3441.3	3808.5	4307.2	5118.9	6387.1	7914.9	9061.1	9743.3
50°	3191.2	3230.7	3230.0	3461.2	3833.9	4347.9	5168.9	6415.5	7956.8	9082.7	9716.5
51°	3212.1	3236.3	3254.0	3484.1	3860.4	4387.0	5219.2	6439.9	7992.2	9095.8	9685.0
52°	3236.5	3240.5	3279.7	3510.9	3890.1	4427.5	5269.4	6463.2	8020.4	9103.7	9646.4
53°	3264.5	3245.2	3307.7	3541.6	3922.9	4469.9	5318.3	6484.3	8041.4	9106.3	9599.8
54°	3295.6	3254.8	3337.9	3577.3	3960.5	4516.2	5363.7	6501.4	8053.8	9101.1	9545.4
55°	3330.5	3269.4	3371.5	3615.9	4002.7	4565.9	5404.0	6514.2	8059.1	9086.0	9483.2
56°	3369.3	3290.7	3410.1	3657.3	4050.1	4621.2	5443.9	6525.3	8055.1	9059.8	9405.8
57°	3412.2	3317.5	3451.7	3703.0	4103.9	4680.0	5478.7	6531.7	8043.3	9025.1	9310.8
58°	3457.9	3353.1	3498.5	3753.4	4164.1	4740.7	5509.9	6534.5	8024.3	8973.3	9197.4
59°	3511.0	3396.3	3548.2	3809.1	4229.2	4800.8	5538.9	6525.5	7994.8	8910.4	9072.9
60°	3564.5	3448.5	3600.8	3868.4	4299.0	4862.2	5562.2	6508.4	7950.3	8837.6	8937.2
61°	3619.9	3512.0	3659.1	3936.3	4375.6	4921.4	5577.9	6491.1	7897.2	8752.4	8789.1
62°	3680.3	3587.0	3726.8	4006.9	4457.6	4981.2	5585.6	6468.9	7834.3	8649.5	8624.0
63°	3757.4	3673.6	3809.9	4075.0	4544.1	5039.6	5589.8	6435.3	7754.3	8527.6	8433.3
64°	3848.0	3776.6	3904.3	4153.3	4639.9	5094.7	5583.1	6387.9	7659.3	8390.7	8205.2
65°	3951.0	3897.9	4010.1	4249.6	4739.5	5148.2	5564.0	6310.7	7542.0	8228.1	7945.0
66°	4069.6	4035.2	4130.1	4365.1	4843.4	5200.9	5530.5	6198.9	7387.3	8040.7	7655.3
67°	4208.2	4183.4	4268.1	4491.6	4950.7	5240.3	5466.6	6046.0	7192.0	7833.6	7345.4
68°	4356.0	4330.7	4418.0	4634.4	5064.9	5261.6	5363.3	5814.8	6958.0	7586.5	7008.5
69°	4501.5	4436.7	4555.7	4794.9	5183.8	5266.5	5187.4	5474.4	6685.4	7296.9	6646.1
70°	4632.5	4531.8	4678.6	4971.4	5308.7	5242.2	4894.9	5016.3	6337.8	6966.6	6252.2
71°	4754.2	4618.8	4795.1	5152.4	5436.7	5181.5	4514.6	4494.7	5899.6	6591.0	5842.2
72°	4863.5	4650.9	4894.6	5330.6	5565.3	5080.9	4151.0	3993.6	5401.4	6183.1	5430.0
73°	4908.6	4522.9	4931.1	5514.3	5675.2	4927.7	3872.7	3518.9	4816.0	5710.4	5004.8
74°	4809.1	4171.8	4796.3	5683.1	5726.7	4753.8	3629.1	3002.2	4192.4	5176.4	4563.5
75°	4506.2	3450.7	4436.9	5812.0	5717.8	4614.2	3232.5	2255.1	3504.4	4591.5	4078.6
76°	3960.7	2605.0	3873.1	5864.3	5619.9	4535.8	2537.8	1381.6	2746.4	3963.9	3525.9
77°	3207.6	2036.2	3155.7	5795.2	5425.1	4419.1	1800.6	641.7	1901.0	3261.1	2825.6
78°	2683.7	2152.7	2739.6	5453.3	5109.8	4045.0	1063.3	481.1	1083.2	2509.7	1928.5
79°	2803.7	2753.3	2972.7	4799.9	4616.2	3306.1	327.9	332.0	542.3	1792.0	1105.0
80°	3423.4	3173.4	3547.2	4068.2	3943.1	2334.7	232.6	183.0	376.0	1095.9	543.5
81°	3646.1	2865.3	3559.9	3415.3	3124.1	1363.4	188.9	157.2	219.1	556.5	411.9
82°	2878.4	2084.5	2628.6	3142.2	2345.4	406.8	160.4	136.5	179.2	368.0	283.6
83°	2081.9	1303.6	1748.4	2814.5	1785.4	289.7	131.9	116.4	152.1	190.0	244.0
84°	1285.4	531.0	880.6	2080.9	1225.3	242.2	103.6	96.2	126.2	149.2	211.3
85°	502.3	425.1	478.8	1347.4	671.8	198.1	81.5	75.6	98.7	114.8	179.7
86°	353.3	319.2	332.2	624.9	467.7	153.8	61.8	56.8	72.6	86.6	145.8
87°	204.4	213.3	185.6	500.5	263.6	109.6	44.3	38.0	51.9	61.9	105.9
88°	59.4	107.4	40.3	376.1	62.9	83.0	30.7	19.3	31.3	50.0	58.3
89°	31.0	1.8	21.4	251.7	33.1	56.5	17.2	6.2	10.7	38.1	44.3



REPORT NUMBER: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4084.4	4084.4	4084.4
1°	4172.0	4184.7	4189.2
2°	4274.4	4297.8	4306.2
3°	4387.4	4424.8	4436.2
4°	4511.0	4564.3	4581.7
5°	4648.1	4717.1	4738.8
6°	4795.3	4886.1	4913.7
7°	4952.9	5064.5	5100.6
8°	5122.4	5255.5	5302.5
9°	5301.9	5465.4	5520.2
10°	5495.6	5689.0	5753.5
11°	5706.3	5930.4	6006.6
12°	5925.8	6180.6	6269.6
13°	6161.3	6454.8	6557.0
14°	6406.4	6738.5	6859.7
15°	6661.2	7029.5	7169.7
16°	6924.6	7336.2	7485.6
17°	7195.9	7644.2	7802.2
18°	7466.6	7946.3	8112.8
19°	7729.4	8236.7	8416.2
20°	7982.4	8517.2	8705.9
21°	8225.5	8781.9	8982.5
22°	8455.6	9028.3	9234.1
23°	8677.7	9274.8	9479.9
24°	8891.4	9510.0	9707.3
25°	9104.4	9738.1	9924.9
26°	9317.4	9938.0	10112.3
27°	9521.8	10115.6	10276.8
28°	9706.0	10271.6	10424.9
29°	9881.6	10426.9	10580.9
30°	10053.3	10603.2	10769.0
31°	10228.3	10764.4	10923.0
32°	10388.2	10880.4	11035.1
33°	10501.0	10932.8	11072.4
34°	10556.0	10914.5	11035.7
35°	10546.8	10827.3	10932.2
36°	10493.1	10705.4	10797.8
37°	10400.0	10581.6	10679.9
38°	10317.5	10501.6	10613.7
39°	10267.6	10457.0	10575.0
40°	10239.5	10430.8	10544.9
41°	10223.7	10408.5	10510.8
42°	10207.3	10385.0	10468.2
43°	10189.0	10354.2	10415.1
44°	10168.7	10316.1	10350.9



REPORT NUMBER: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10141.8	10263.7	10272.2
46°	10109.7	10200.1	10185.1
47°	10071.0	10128.7	10094.0
48°	10022.5	10052.0	10000.9
49°	9963.6	9976.0	9906.5
50°	9895.4	9896.0	9805.6
51°	9815.4	9812.2	9694.2
52°	9725.0	9708.6	9567.7
53°	9633.2	9585.4	9426.8
54°	9536.3	9437.9	9261.0
55°	9428.8	9264.9	9079.5
56°	9304.3	9072.9	8867.1
57°	9156.8	8854.7	8627.9
58°	8985.7	8599.1	8355.9
59°	8794.4	8319.2	8066.9
60°	8576.8	8013.2	7720.2
61°	8327.8	7662.6	7294.9
62°	8056.4	7249.7	6790.9
63°	7765.4	6777.8	6220.4
64°	7436.5	6253.8	5642.3
65°	7074.0	5749.3	5101.4
66°	6674.9	5274.9	4641.3
67°	6270.2	4837.5	4281.5
68°	5858.2	4454.6	3994.5
69°	5464.7	4105.2	3703.2
70°	5085.7	3763.5	3246.8
71°	4693.0	3332.7	2533.8
72°	4257.2	2717.6	1682.9
73°	3817.1	1970.7	943.9
74°	3347.4	1266.2	716.3
75°	2759.3	736.0	493.5
76°	2139.4	575.9	270.8
77°	1622.0	418.2	228.2
78°	1195.8	260.4	198.9
79°	860.5	216.3	178.1
80°	656.6	186.5	160.0
81°	453.4	161.6	142.9
82°	250.2	141.6	126.6
83°	205.2	125.8	109.7
84°	165.0	106.4	93.1
85°	118.3	85.4	76.0
86°	86.6	67.3	58.6
87°	62.6	49.9	41.1
88°	40.7	32.6	23.6
89°	18.7	15.3	11.0



REPORT NUMBER: P1436825
CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436825
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)