

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: P1436826

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436826
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-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 25150.6 lumens
Efficiency: 65.0%
Efficacy: 134.4 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

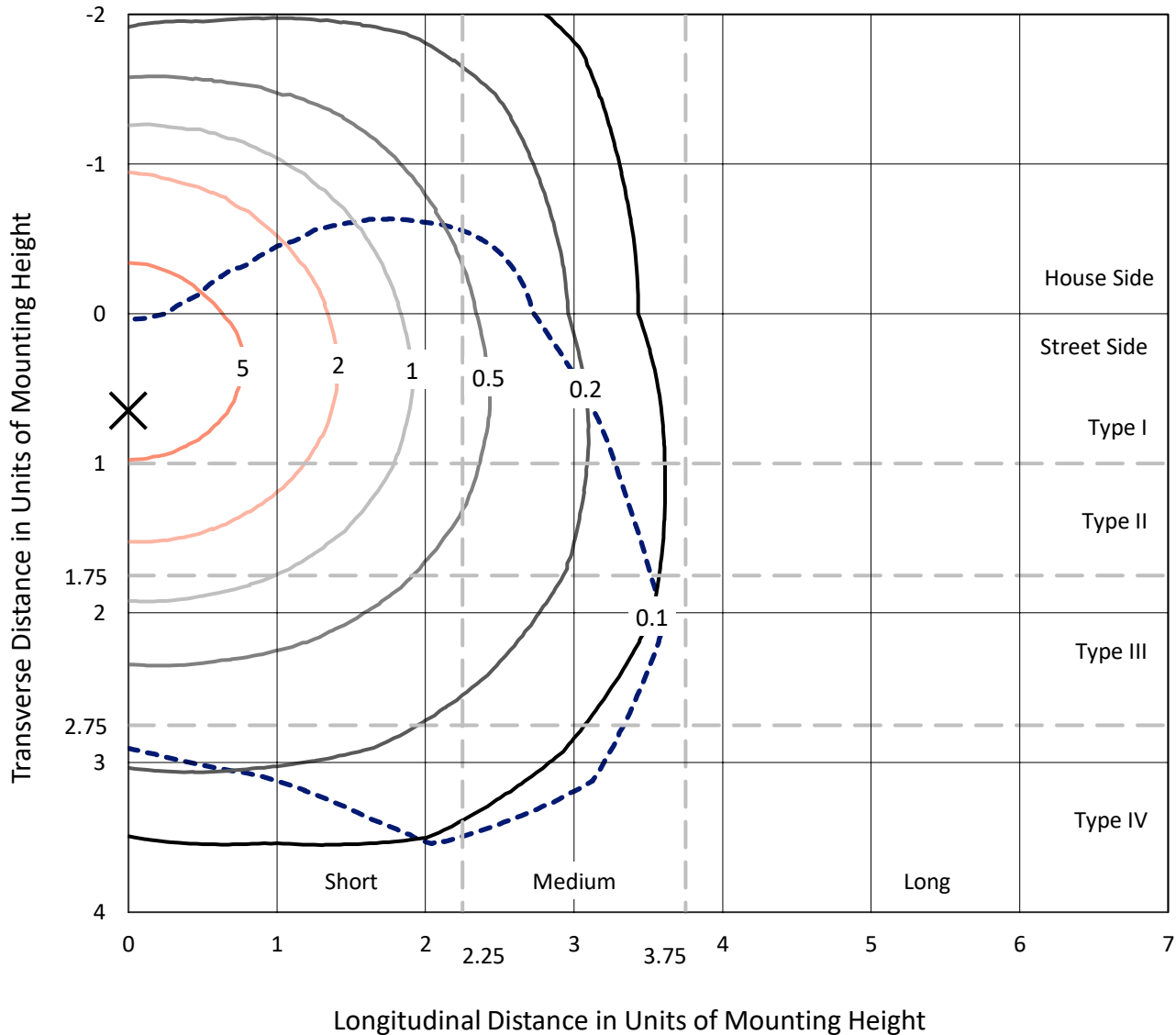
Input Watts (W): 187.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

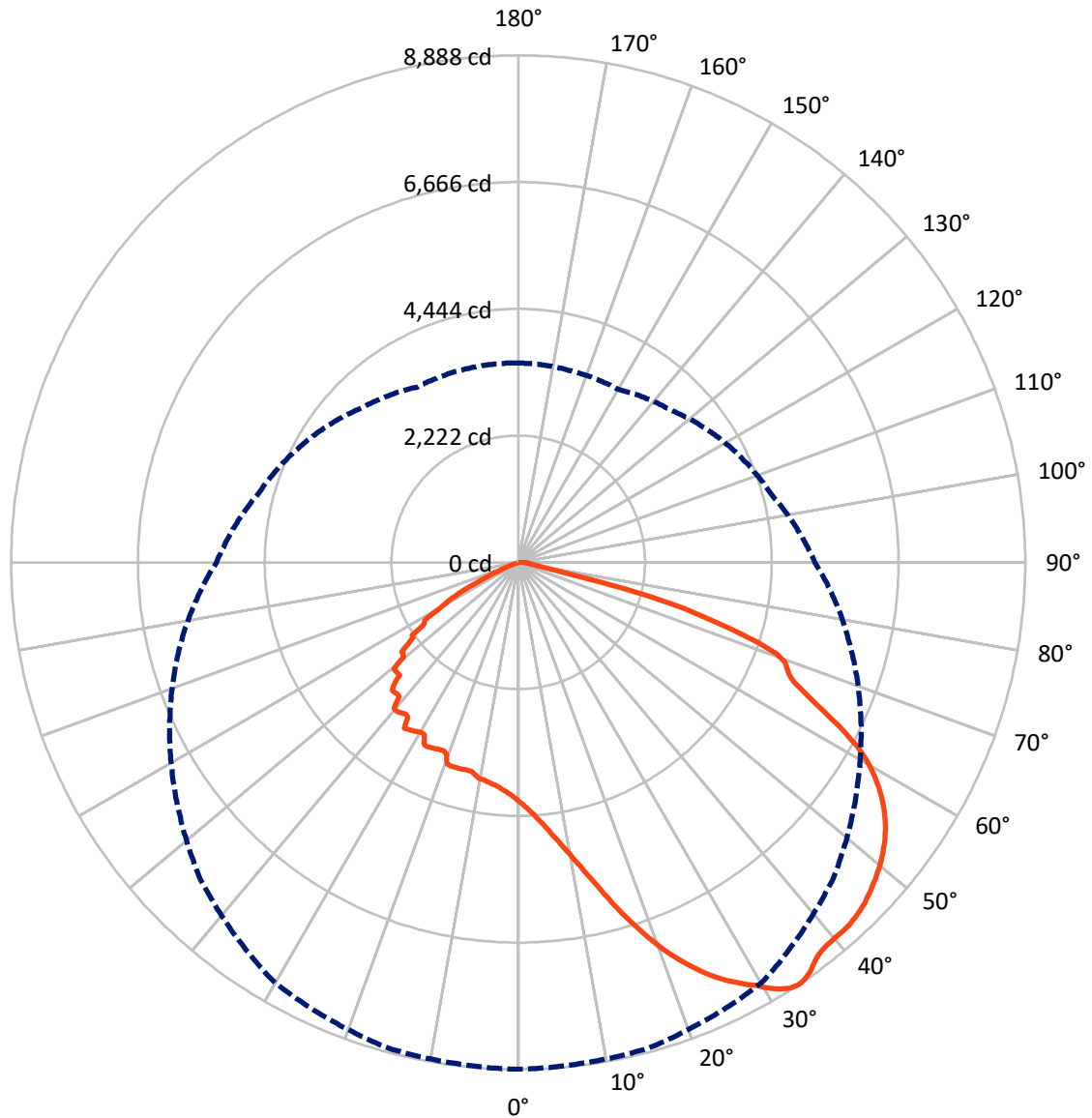


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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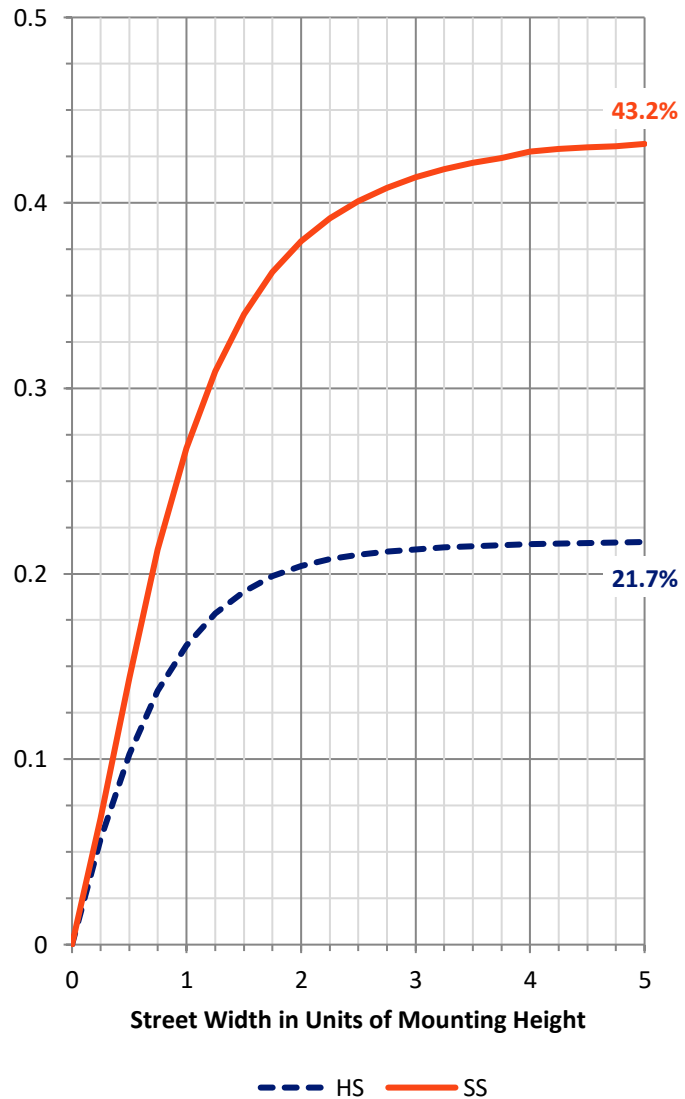
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8445.6	0.0	8445.6
	% Lamp	21.8	0.0	21.8
Street Side	Lumens	16705.1	0.0	16705.1
	% Lamp	43.2	0.0	43.2
Total	Lumens	25150.6	0.0	25150.6
	% Lamp	65.0	0.0	65.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	413.7	1.6	1.1
10°-20°	1355.7	5.4	3.5
20°-30°	2498.0	9.9	6.5
30°-40°	3643.0	14.5	9.4
40°-50°	4496.3	17.9	11.6
50°-60°	5021.8	20.0	13.0
60°-70°	4703.7	18.7	12.2
70°-80°	2789.4	11.1	7.2
80°-90°	229.0	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°	25150.6	100.0	65.0
0°-180°	25150.6	100.0	65.0

Coefficient of Utilization



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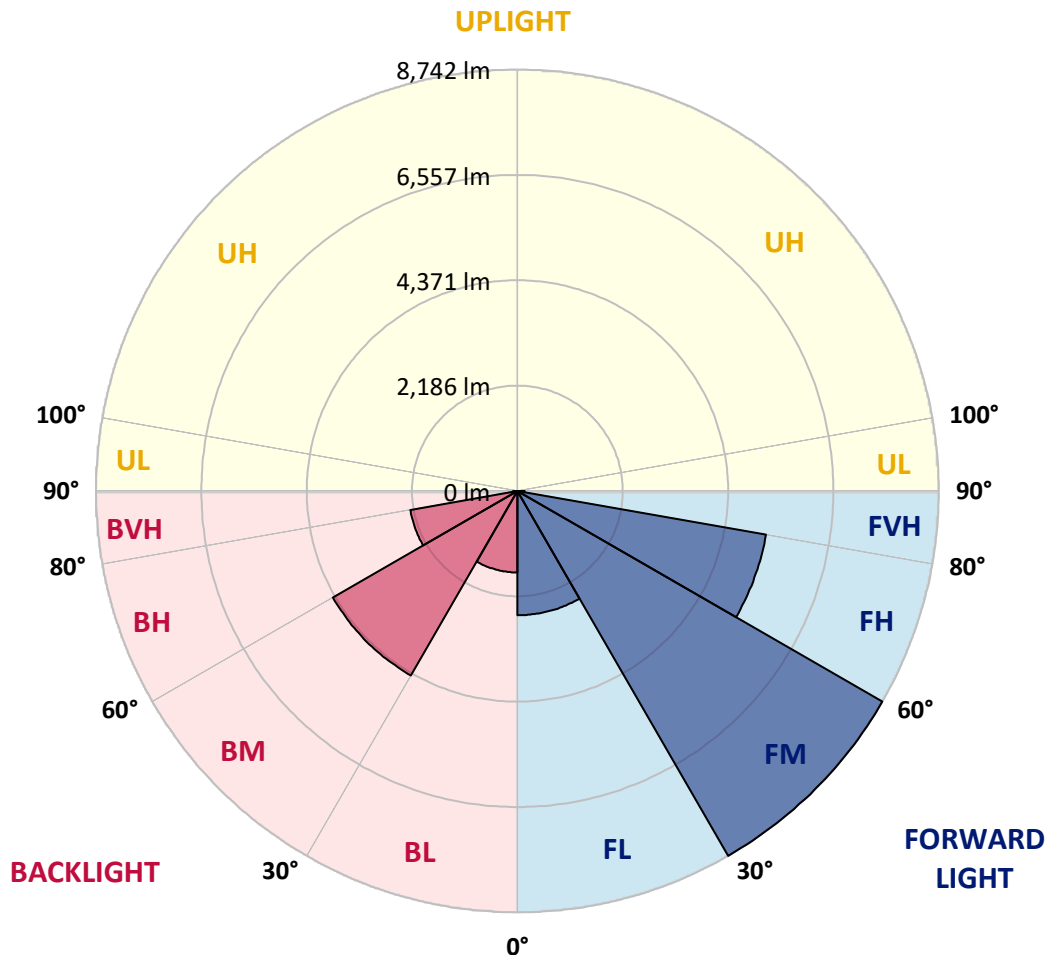
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2577.6	6.7			
FM (30°-60°)	8742.0	22.6			
FH (60°-80°)	5236.8	13.5			G3/7500
FVH (80°-90°)	148.6	0.4			G2/225
BL (0°-30°)	1689.7	4.4	B3/2500		
BM (30°-60°)	4419.1	11.4	B3/5000		
BH (60°-80°)	2256.3	5.8	B3/2500		G3/2500
BVH (80°-90°)	80.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	13544.4	35.0			

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7
1°	4272.8	4273.1	4267.9	4259.7	4248.4	4232.8	4202.5	4186.6	4171.9	4161.1	4152.5
2°	4347.4	4344.6	4330.2	4308.8	4282.9	4251.2	4204.3	4172.8	4144.4	4121.4	4104.6
3°	4429.0	4423.0	4399.8	4365.7	4322.1	4273.3	4209.5	4162.6	4121.2	4087.0	4063.9
4°	4521.3	4510.6	4477.9	4429.3	4367.5	4301.0	4219.2	4156.6	4100.9	4057.3	4027.8
5°	4622.5	4607.5	4562.5	4497.8	4418.8	4332.8	4233.6	4154.7	4086.1	4032.9	3996.8
6°	4732.1	4712.5	4657.0	4574.9	4474.8	4366.7	4249.0	4155.6	4074.2	4011.5	3967.6
7°	4852.8	4829.6	4759.6	4658.6	4534.2	4402.6	4265.7	4157.1	4064.9	3992.9	3945.4
8°	4980.0	4951.7	4870.5	4748.1	4598.4	4442.4	4285.2	4160.9	4057.3	3978.7	3928.6
9°	5120.8	5085.5	4990.2	4844.0	4667.7	4485.7	4307.4	4166.0	4050.3	3969.8	3914.1
10°	5272.7	5231.5	5117.5	4946.6	4741.4	4531.4	4329.9	4172.0	4044.3	3962.7	3902.2
11°	5434.1	5386.3	5256.2	5057.9	4819.3	4580.6	4355.9	4180.5	4042.3	3957.2	3892.2
12°	5607.9	5552.5	5401.9	5174.6	4901.1	4632.6	4373.5	4181.6	4044.5	3952.8	3886.8
13°	5798.9	5732.1	5557.4	5299.4	4989.0	4676.1	4393.3	4183.8	4036.7	3950.1	3881.2
14°	5998.5	5920.8	5719.0	5428.9	5082.2	4723.5	4417.1	4187.0	4032.1	3950.6	3839.3
15°	6204.9	6119.3	5889.8	5561.5	5168.1	4773.9	4444.1	4196.4	4027.8	3942.0	3813.3
16°	6416.2	6316.5	6064.8	5701.3	5260.7	4829.9	4480.9	4213.5	4029.4	3928.3	3814.0
17°	6625.8	6519.9	6241.3	5844.2	5355.8	4892.0	4513.8	4225.8	4035.0	3896.2	3819.1
18°	6833.2	6718.1	6418.9	5989.8	5449.3	4959.1	4551.1	4243.8	4039.8	3877.1	3826.3
19°	7036.6	6912.5	6595.3	6132.1	5551.2	5023.0	4595.5	4270.7	4050.6	3876.7	3836.7
20°	7233.6	7103.6	6766.2	6260.6	5652.6	5091.1	4643.5	4300.2	4068.6	3880.0	3845.6
21°	7418.2	7286.2	6932.0	6399.6	5760.7	5166.3	4691.0	4324.0	4085.6	3885.9	3846.7
22°	7593.0	7459.1	7091.2	6525.1	5860.7	5246.5	4730.8	4332.9	4090.4	3901.5	3846.0
23°	7758.8	7627.5	7247.9	6648.6	5966.1	5328.4	4755.3	4349.0	4074.5	3916.3	3814.2
24°	7916.7	7786.1	7399.3	6771.4	6069.9	5402.1	4787.7	4378.2	4079.1	3923.5	3687.0
25°	8064.2	7941.4	7546.9	6894.9	6172.8	5469.0	4832.8	4395.3	4083.3	3931.3	3642.8
26°	8194.2	8077.2	7690.5	7012.6	6278.0	5526.1	4877.2	4413.3	4088.3	3944.0	3649.4
27°	8308.0	8200.7	7827.0	7127.6	6382.5	5591.6	4909.6	4443.4	4111.0	3945.7	3660.0
28°	8417.8	8311.9	7955.7	7240.7	6485.0	5668.8	4953.7	4474.1	4133.4	3870.9	3666.9
29°	8528.3	8424.3	8072.0	7346.7	6578.4	5751.8	5009.7	4499.1	4142.4	3799.6	3672.4
30°	8662.2	8552.4	8187.7	7455.9	6667.4	5823.6	5066.9	4513.9	4147.6	3765.7	3679.5
31°	8772.1	8670.0	8308.6	7574.8	6738.9	5894.0	5118.2	4534.6	4165.6	3758.5	3690.2
32°	8855.3	8763.0	8421.7	7699.0	6822.1	5967.4	5160.0	4565.2	4186.2	3762.8	3602.9
33°	8888.4	8816.9	8519.9	7816.0	6920.9	6049.0	5201.3	4593.8	4189.4	3777.5	3502.3
34°	8870.2	8811.1	8577.1	7923.2	7024.9	6136.0	5253.3	4611.1	4202.9	3794.3	3494.7
35°	8809.8	8761.0	8576.4	8003.1	7123.7	6224.5	5312.7	4637.1	4214.8	3806.1	3499.9
36°	8728.5	8688.2	8533.5	8053.8	7211.5	6306.6	5370.6	4668.8	4223.7	3809.0	3512.2
37°	8657.0	8606.3	8471.8	8062.9	7269.3	6369.5	5413.9	4692.3	4217.8	3805.1	3533.7
38°	8625.8	8554.3	8413.3	8045.4	7305.1	6427.7	5460.0	4713.9	4146.9	3708.7	3543.7
39°	8616.1	8529.6	8374.3	8021.3	7316.8	6478.3	5521.8	4734.3	4093.9	3656.0	3547.6
40°	8613.5	8516.6	8356.1	8006.4	7315.5	6514.7	5580.4	4755.5	4077.9	3679.8	3424.5
41°	8610.9	8509.5	8347.0	8001.2	7325.9	6542.7	5625.2	4770.6	4105.5	3704.4	3372.4
42°	8602.4	8502.3	8341.8	7999.9	7348.6	6570.6	5657.1	4779.0	4132.9	3704.3	3389.2
43°	8583.6	8493.9	8337.9	8006.4	7375.3	6595.3	5679.4	4806.6	4123.4	3712.9	3384.8
44°	8555.6	8480.9	8330.7	8018.7	7404.5	6621.3	5697.7	4833.5	4124.7	3736.0	3381.0



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8516.0	8460.1	8319.7	8031.1	7431.8	6655.7	5720.2	4867.8	4147.9	3752.4	3380.0
46°	8470.5	8433.4	8305.4	8038.9	7459.1	6697.3	5742.9	4856.4	4173.8	3645.8	3215.3
47°	8417.8	8404.2	8288.5	8044.7	7486.4	6740.9	5760.0	4826.3	4179.3	3570.5	3172.4
48°	8363.2	8369.7	8269.6	8051.9	7513.1	6781.8	5792.4	4840.7	4176.1	3576.8	3184.5
49°	8304.7	8334.6	8245.6	8054.5	7544.3	6820.2	5829.3	4870.4	4099.7	3599.5	3184.2
50°	8241.0	8298.2	8217.6	8048.0	7567.7	6854.6	5862.3	4891.3	4063.2	3598.1	3164.5
51°	8170.8	8254.0	8183.8	8035.6	7595.0	6883.9	5888.7	4897.5	4069.8	3592.5	2985.7
52°	8090.2	8202.7	8146.1	8024.6	7624.9	6911.2	5886.8	4916.6	4070.7	3464.0	2982.8
53°	8003.1	8140.9	8103.2	8012.2	7650.2	6930.7	5856.3	4926.0	4100.4	3426.8	3004.7
54°	7905.6	8065.5	8059.7	7996.6	7663.2	6948.9	5823.9	4914.7	4099.6	3434.0	3021.9
55°	7795.2	7977.8	8009.6	7977.1	7667.8	6959.9	5819.2	4907.9	4093.6	3430.2	2847.0
56°	7667.8	7873.2	7949.8	7949.8	7667.8	6964.5	5820.5	4892.3	4061.0	3366.9	2808.5
57°	7528.7	7754.2	7879.0	7918.6	7665.8	6971.6	5814.0	4878.6	3999.8	3263.3	2810.1
58°	7373.3	7616.4	7793.9	7883.5	7657.4	6982.0	5788.8	4826.9	3987.2	3295.8	2675.6
59°	7204.3	7461.1	7700.9	7842.0	7645.0	6986.6	5763.4	4802.9	3978.5	3333.2	2597.2
60°	7006.7	7285.6	7589.1	7790.0	7622.9	6980.7	5736.7	4764.8	3962.8	3307.1	2591.1
61°	6756.5	7080.8	7466.3	7723.7	7591.1	6958.0	5695.6	4720.8	3927.5	3203.4	2402.9
62°	6458.5	6832.5	7325.9	7641.8	7552.1	6910.5	5637.6	4670.4	3881.9	3186.6	2386.3
63°	6125.5	6551.1	7167.9	7545.6	7499.4	6833.2	5561.9	4611.2	3869.7	3138.9	2250.7
64°	5796.7	6259.8	6991.1	7439.0	7430.5	6734.4	5473.6	4545.8	3827.6	3081.1	2188.6
65°	5511.9	5975.3	6798.7	7319.4	7350.6	6625.8	5385.2	4491.6	3742.7	3051.6	2034.4
66°	5285.3	5725.7	6588.1	7179.0	7253.7	6527.1	5270.3	4423.4	3745.0	2976.3	1964.2
67°	5137.2	5513.1	6386.6	7021.7	7133.5	6411.9	5136.6	4331.3	3769.1	2946.5	1806.8
68°	5061.0	5355.5	6193.8	6841.0	6990.5	6268.9	4947.0	4226.3	3787.6	2885.4	1676.0
69°	4992.3	5242.4	6015.3	6646.0	6816.3	6085.3	4725.1	4098.7	3700.4	2834.4	1522.8
70°	4806.6	5137.7	5843.1	6434.6	6615.4	5816.6	4382.7	3915.5	3604.0	2785.3	1410.4
71°	4439.5	4959.2	5688.3	6219.4	6382.6	5466.6	3942.1	3663.0	3524.3	2721.0	1329.8
72°	3955.5	4656.0	5541.4	5998.6	6124.6	5053.5	3506.6	3389.0	3419.3	2648.4	1249.3
73°	3475.4	4239.3	5376.6	5783.3	5828.8	4590.4	3115.2	3107.3	3256.2	2570.0	1168.9
74°	3021.5	3777.2	5178.9	5564.3	5487.5	4121.7	2751.1	2824.0	3086.8	2466.6	1093.2
75°	2367.9	3268.9	4924.1	5297.6	5116.7	3625.0	2310.6	2533.0	2908.3	2328.7	986.0
76°	1487.6	2642.3	4564.1	4990.1	4677.2	3078.3	1685.1	2193.4	2719.7	2159.0	873.6
77°	703.1	1756.4	4094.0	4563.6	4176.0	2326.8	1059.5	1643.8	2527.8	1915.7	766.0
78°	552.2	882.4	3517.1	4007.5	3576.6	1464.7	443.3	1094.2	2311.5	1595.9	654.7
79°	408.6	676.9	2750.6	3322.7	2873.2	731.0	202.0	550.1	1965.1	1276.0	555.3
80°	265.1	471.5	1763.7	2485.1	2038.4	544.0	173.2	403.2	1403.6	956.6	479.8
81°	241.2	266.1	915.2	1584.8	1183.0	364.5	144.5	256.3	844.1	706.4	482.8
82°	219.4	235.2	685.3	762.3	532.3	185.0	115.8	113.0	369.7	577.5	449.6
83°	198.6	210.7	465.2	585.4	365.0	156.1	99.2	91.7	280.3	492.1	359.8
84°	177.3	186.8	245.2	411.6	199.9	132.3	83.2	73.6	190.9	390.5	247.9
85°	155.9	163.3	198.5	237.8	160.5	109.7	67.5	58.0	103.0	277.4	177.4
86°	132.9	141.2	159.4	202.1	128.6	87.2	52.3	44.6	85.0	222.6	107.6
87°	110.2	119.9	131.8	161.3	102.4	66.7	37.4	33.1	66.0	167.7	70.4
88°	89.8	99.4	104.9	115.3	79.3	50.6	26.5	23.6	43.8	112.8	48.1
89°	73.5	77.9	77.0	68.3	60.9	34.6	15.7	14.1	30.5	58.0	25.9



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7	4208.7
1°	4148.7	4149.1	4154.3	4163.2	4176.0	4190.4	4205.7	4207.4	4223.0	4238.5	4252.1
2°	4096.9	4095.0	4102.6	4117.7	4139.9	4166.3	4197.3	4214.6	4245.8	4276.5	4304.3
3°	4051.7	4048.2	4057.7	4077.9	4107.2	4145.8	4190.5	4224.3	4272.0	4319.7	4363.3
4°	4012.2	4007.7	4019.0	4042.6	4079.8	4129.3	4187.5	4237.0	4302.4	4368.4	4428.0
5°	3975.8	3971.2	3983.7	4011.8	4055.0	4115.4	4186.2	4251.9	4334.7	4419.7	4499.0
6°	3945.4	3940.6	3954.2	3983.6	4034.4	4103.3	4188.2	4269.8	4370.2	4475.5	4576.2
7°	3920.9	3914.9	3930.2	3962.3	4014.9	4094.1	4191.4	4288.7	4408.8	4536.4	4658.9
8°	3899.3	3891.9	3908.5	3946.3	4000.9	4085.9	4195.9	4308.7	4449.9	4601.2	4746.7
9°	3879.4	3871.0	3888.9	3930.7	3991.4	4078.4	4200.3	4330.9	4493.1	4670.9	4842.6
10°	3863.3	3854.4	3872.4	3917.7	3983.9	4072.5	4208.4	4357.0	4539.5	4744.5	4943.5
11°	3851.9	3842.7	3860.9	3907.8	3978.2	4071.9	4218.3	4386.3	4591.6	4823.4	5052.8
12°	3827.8	3800.1	3836.8	3901.7	3975.0	4074.9	4220.4	4405.7	4646.7	4906.1	5169.1
13°	3784.0	3757.0	3792.7	3898.4	3973.3	4068.2	4227.1	4429.6	4691.6	4998.8	5294.0
14°	3763.9	3753.1	3772.7	3854.4	3974.3	4066.5	4233.5	4453.6	4742.3	5090.0	5426.7
15°	3766.2	3753.2	3772.8	3825.8	3966.9	4067.0	4247.7	4484.4	4794.2	5177.2	5564.6
16°	3768.9	3756.0	3775.8	3828.7	3962.1	4074.2	4261.0	4521.2	4852.7	5270.5	5709.4
17°	3775.1	3760.7	3782.6	3835.2	3932.4	4078.7	4277.9	4557.4	4923.0	5366.3	5857.3
18°	3779.4	3761.1	3787.3	3843.8	3917.4	4087.2	4301.9	4597.0	4985.1	5471.8	6002.5
19°	3782.3	3761.9	3791.2	3856.6	3912.1	4105.0	4330.9	4645.6	5054.1	5577.6	6138.9
20°	3785.3	3746.2	3795.7	3865.8	3916.8	4126.4	4359.3	4694.8	5126.5	5690.1	6281.7
21°	3708.2	3592.2	3724.1	3866.4	3930.1	4142.7	4382.4	4738.8	5209.0	5795.9	6418.8
22°	3597.4	3552.7	3619.5	3868.8	3946.7	4150.0	4395.0	4778.4	5291.8	5905.7	6546.6
23°	3580.0	3557.1	3601.5	3846.7	3959.3	4140.8	4421.1	4806.4	5372.2	6017.2	6677.2
24°	3586.7	3567.0	3609.8	3718.1	3969.6	4151.1	4454.3	4845.8	5446.6	6126.6	6804.6
25°	3599.2	3580.6	3623.2	3683.5	3979.4	4158.6	4474.4	4895.9	5511.0	6238.1	6926.1
26°	3613.7	3592.9	3639.4	3696.0	3994.8	4164.3	4498.9	4936.2	5577.6	6346.6	7047.7
27°	3625.8	3607.0	3653.4	3706.5	3995.6	4190.1	4534.9	4975.5	5654.3	6453.6	7163.4
28°	3638.4	3581.9	3670.1	3715.1	3925.3	4211.4	4568.5	5027.0	5740.7	6553.7	7279.7
29°	3574.9	3439.6	3602.7	3720.5	3857.4	4218.5	4590.8	5085.1	5825.3	6651.8	7398.0
30°	3455.3	3428.7	3484.4	3732.4	3821.8	4225.8	4610.5	5142.9	5899.6	6740.9	7518.3
31°	3450.9	3447.7	3479.4	3744.2	3816.8	4246.2	4640.0	5192.8	5981.8	6829.9	7639.8
32°	3464.8	3471.5	3493.8	3647.1	3827.4	4266.2	4675.2	5237.0	6075.4	6926.1	7758.8
33°	3482.0	3494.0	3511.4	3548.0	3845.4	4269.9	4708.5	5289.8	6172.9	7026.9	7872.5
34°	3498.6	3512.4	3526.6	3544.2	3863.3	4284.4	4727.1	5355.2	6261.8	7127.0	7973.2
35°	3511.8	3527.8	3539.0	3548.7	3871.7	4294.9	4758.8	5419.6	6337.9	7224.5	8040.8
36°	3516.6	3338.5	3540.4	3563.9	3873.1	4302.3	4790.0	5479.1	6403.8	7292.1	8070.1
37°	3324.8	3311.3	3344.1	3583.6	3867.4	4293.5	4815.4	5522.8	6460.8	7332.4	8070.7
38°	3285.1	3330.5	3313.3	3590.3	3771.7	4226.7	4837.3	5574.6	6506.9	7348.6	8049.9
39°	3297.3	3353.7	3325.3	3600.9	3722.1	4180.8	4850.6	5627.9	6544.6	7352.5	8023.9
40°	3313.7	3374.0	3337.6	3477.4	3750.9	4167.6	4868.0	5668.6	6573.2	7359.7	8009.6
41°	3315.1	3355.8	3338.7	3433.1	3770.6	4194.7	4872.3	5704.9	6595.3	7375.9	8003.8
42°	3282.0	3146.9	3307.6	3444.9	3767.5	4210.9	4880.2	5736.3	6621.3	7396.1	8012.9
43°	3095.7	3131.5	3126.1	3438.3	3783.6	4193.1	4910.2	5762.6	6649.9	7420.1	8030.4
44°	3080.2	3142.7	3114.4	3435.0	3805.9	4200.3	4941.7	5786.0	6685.6	7446.8	8046.7

REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3096.0	3148.4	3128.9	3434.5	3821.0	4228.2	4975.2	5812.4	6726.6	7472.8	8061.0
46°	3098.4	3058.9	3128.5	3261.4	3711.2	4253.2	4950.0	5831.3	6765.6	7504.6	8075.3
47°	3018.9	2866.5	3041.3	3235.5	3641.7	4266.5	4925.2	5855.0	6805.2	7539.7	8087.0
48°	2853.8	2867.2	2891.0	3244.4	3653.6	4256.2	4946.8	5891.4	6844.2	7573.5	8092.2
49°	2866.2	2870.9	2906.0	3243.4	3677.3	4180.9	4982.7	5922.7	6881.9	7602.8	8088.9
50°	2882.1	2869.4	2923.3	3216.5	3671.1	4161.2	5001.3	5948.6	6915.1	7635.3	8082.4
51°	2891.2	2605.8	2935.9	3046.6	3660.1	4168.6	5010.2	5962.7	6942.4	7663.2	8075.3
52°	2666.6	2579.6	2702.3	3051.2	3526.2	4176.2	5029.8	5943.0	6964.5	7686.0	8066.2
53°	2636.7	2576.0	2676.0	3073.7	3506.0	4202.6	5033.2	5904.4	6984.6	7699.6	8055.1
54°	2630.3	2380.3	2669.1	3089.7	3517.0	4198.8	5021.0	5882.3	6994.4	7704.2	8040.8
55°	2446.8	2260.9	2475.5	2904.2	3514.6	4190.8	5010.8	5879.9	6998.3	7703.5	8024.6
56°	2351.5	2255.3	2390.6	2873.9	3436.9	4155.4	4989.8	5880.7	7000.2	7704.8	8002.5
57°	2348.9	2006.0	2387.2	2876.6	3359.5	4096.6	4967.2	5866.5	7004.1	7699.6	7970.6
58°	2123.8	1948.2	2153.6	2726.4	3393.8	4087.3	4907.6	5830.7	7002.2	7685.3	7925.8
59°	2066.4	1903.3	2102.5	2670.0	3430.4	4073.8	4888.0	5801.9	6995.0	7665.8	7870.6
60°	1970.5	1614.0	1984.6	2657.6	3385.5	4054.3	4831.6	5767.8	6971.0	7638.5	7808.2
61°	1779.7	1470.0	1813.7	2466.6	3292.6	4007.9	4780.4	5722.3	6923.5	7602.8	7739.3
62°	1695.5	1326.0	1700.8	2455.1	3276.9	3964.9	4717.4	5660.2	6846.2	7550.1	7663.2
63°	1527.0	1181.2	1539.1	2297.1	3216.5	3947.8	4648.7	5573.2	6753.9	7483.2	7572.2
64°	1358.6	957.9	1377.4	2248.5	3165.6	3894.3	4580.0	5485.1	6644.0	7406.5	7461.1
65°	1188.6	738.7	1215.5	2084.5	3129.2	3815.9	4513.5	5381.3	6540.7	7311.6	7328.5
66°	969.0	552.0	982.2	2004.9	3052.7	3826.5	4426.5	5240.2	6428.3	7201.1	7180.9
67°	787.1	367.1	773.6	1860.4	3023.0	3839.5	4312.9	5081.4	6291.4	7072.4	7018.4
68°	575.7	182.2	571.5	1711.9	2947.8	3826.5	4187.8	4867.0	6112.3	6919.6	6843.6
69°	417.0	0.4	400.9	1531.9	2883.9	3699.7	4038.7	4581.2	5879.0	6738.9	6652.5
70°	375.2	0.4	351.1	1422.4	2823.9	3580.8	3820.8	4166.2	5576.1	6529.7	6439.2
71°	334.1	0.3	306.3	1334.4	2745.4	3472.4	3532.4	3699.4	5185.2	6289.7	6209.9
72°	288.6	0.4	260.7	1246.4	2663.3	3342.0	3234.7	3274.2	4731.4	6025.4	5987.6
73°	239.8	0.4	211.9	1158.1	2558.2	3160.4	2957.0	2917.1	4258.2	5702.0	5757.9
74°	196.1	0.4	164.7	1058.4	2412.1	2986.2	2676.7	2518.3	3768.7	5310.8	5511.7
75°	155.2	0.5	135.2	937.7	2246.4	2810.0	2313.3	1944.9	3247.1	4868.1	5227.9
76°	114.6	0.5	125.0	829.8	2027.7	2603.1	1765.0	1221.4	2608.3	4379.8	4888.6
77°	88.3	0.6	136.9	728.2	1732.2	2377.6	1216.7	583.1	1802.3	3842.7	4449.0
78°	95.0	0.7	126.1	626.1	1434.8	2068.6	669.9	372.6	983.8	3198.0	3811.8
79°	128.9	0.8	115.3	547.2	1137.5	1530.0	274.5	171.9	722.9	2466.1	3053.3
80°	133.0	0.9	104.3	503.7	843.2	991.3	196.7	145.8	462.1	1616.8	2181.9
81°	120.5	1.1	65.2	465.9	669.4	464.4	119.9	127.3	201.3	823.2	1295.6
82°	87.6	1.2	36.1	398.5	559.1	345.5	98.5	110.3	170.2	610.6	563.6
83°	54.9	1.4	27.5	291.9	434.0	226.6	81.5	94.0	146.6	399.2	405.9
84°	32.7	1.5	19.0	185.3	288.8	108.9	66.8	78.2	124.8	187.9	265.5
85°	25.0	1.7	10.5	79.7	191.3	89.4	53.2	61.6	102.5	148.3	231.1
86°	17.2	1.9	8.9	47.0	94.1	71.1	41.1	47.2	81.1	119.1	194.3
87°	9.6	2.1	7.6	28.4	50.0	52.4	30.3	32.9	61.5	94.5	152.8
88°	7.6	2.3	6.5	20.1	34.5	36.3	21.4	18.6	45.3	71.7	104.9
89°	5.2	2.5	4.8	11.8	19.1	20.1	12.5	8.2	29.2	55.6	60.9



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4208.7	4208.7	4208.7
1°	4262.5	4270.3	4272.8
2°	4327.1	4342.9	4347.4
3°	4398.2	4421.0	4429.0
4°	4476.8	4510.6	4521.3
5°	4565.2	4607.8	4622.5
6°	4657.9	4713.0	4732.1
7°	4759.8	4828.8	4852.8
8°	4869.7	4952.4	4980.0
9°	4986.9	5085.4	5120.8
10°	5114.6	5230.8	5272.7
11°	5252.1	5386.6	5434.1
12°	5397.4	5551.7	5607.9
13°	5553.5	5732.5	5798.9
14°	5717.1	5919.7	5998.5
15°	5890.2	6116.7	6204.9
16°	6066.3	6320.3	6416.2
17°	6249.9	6527.7	6625.8
18°	6433.3	6731.8	6833.2
19°	6614.1	6926.8	7036.6
20°	6789.0	7115.9	7233.6
21°	6958.0	7297.3	7418.2
22°	7117.2	7466.3	7593.0
23°	7272.6	7634.6	7758.8
24°	7420.1	7798.4	7916.7
25°	7569.0	7955.0	8064.2
26°	7717.8	8097.4	8194.2
27°	7858.2	8224.8	8308.0
28°	7979.7	8335.3	8417.8
29°	8092.2	8445.8	8528.3
30°	8211.8	8571.9	8662.2
31°	8331.4	8688.2	8772.1
32°	8441.2	8774.0	8855.3
33°	8518.6	8818.2	8888.4
34°	8555.6	8814.3	8870.2
35°	8549.8	8763.6	8809.8
36°	8517.3	8686.3	8728.5
37°	8461.4	8607.0	8657.0
38°	8408.1	8556.3	8625.8
39°	8376.2	8532.2	8616.1
40°	8361.9	8521.2	8613.5
41°	8355.4	8516.0	8610.9
42°	8348.9	8512.7	8602.4
43°	8342.4	8506.2	8583.6
44°	8337.2	8495.2	8555.6



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8332.0	8474.4	8516.0
46°	8325.5	8447.7	8470.5
47°	8315.8	8417.8	8417.8
48°	8300.8	8384.0	8363.2
49°	8278.7	8348.9	8304.7
50°	8250.8	8313.2	8241.0
51°	8214.4	8274.2	8170.8
52°	8174.7	8224.8	8090.2
53°	8133.8	8163.7	8003.1
54°	8092.2	8088.3	7905.6
55°	8046.0	7999.9	7795.2
56°	7990.1	7895.2	7667.8
57°	7920.6	7778.3	7528.7
58°	7831.6	7636.6	7373.3
59°	7734.1	7480.6	7204.3
60°	7622.3	7309.6	7006.7
61°	7496.2	7113.3	6756.5
62°	7353.8	6875.4	6458.5
63°	7203.0	6597.9	6125.5
64°	7036.0	6297.5	5796.7
65°	6848.1	6015.0	5511.9
66°	6648.6	5766.4	5285.3
67°	6448.1	5560.5	5137.2
68°	6244.8	5397.5	5061.0
69°	6067.8	5277.3	4992.3
70°	5917.6	5170.4	4806.6
71°	5761.9	5004.4	4439.5
72°	5591.2	4706.3	3955.5
73°	5422.9	4287.2	3475.4
74°	5226.6	3816.1	3021.5
75°	4928.2	3301.7	2367.9
76°	4532.4	2669.6	1487.6
77°	4074.2	1844.1	703.1
78°	3508.4	987.1	552.2
79°	2716.4	743.7	408.6
80°	1682.1	508.9	265.1
81°	849.4	274.1	241.2
82°	636.4	238.7	219.4
83°	442.2	215.3	198.6
84°	248.0	190.6	177.3
85°	195.3	165.2	155.9
86°	158.8	141.7	132.9
87°	130.7	120.0	110.2
88°	103.8	98.7	89.8
89°	74.5	77.1	73.5



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



REPORT NUMBER: P1436826

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)