

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: P1445094

Luminaire Tested: XAS300-SFPM (5000K-180W-T4)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445094
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-180W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 4
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 30514.5 lumens
Efficiency: 65.5%
Efficacy: 166.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

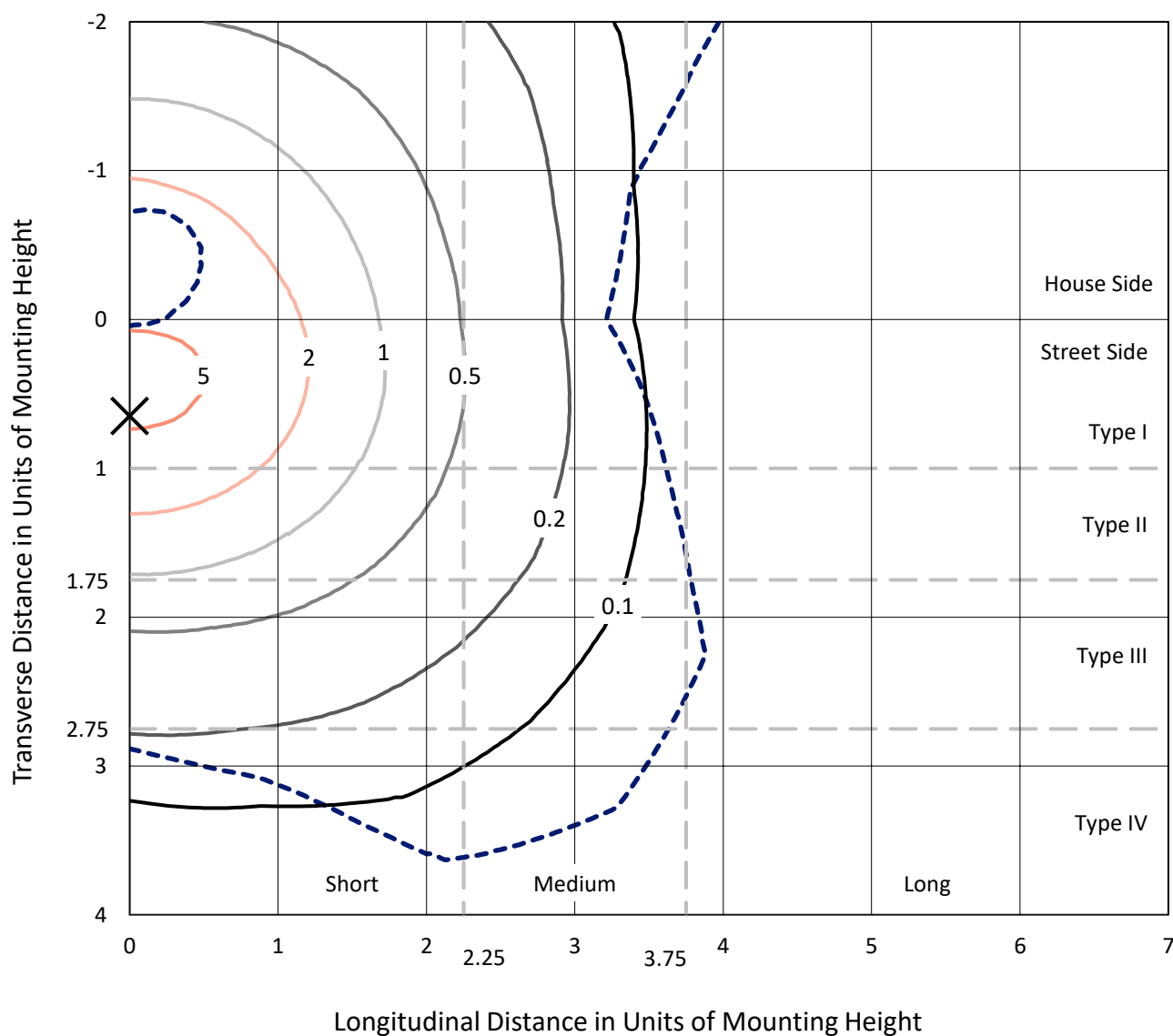
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

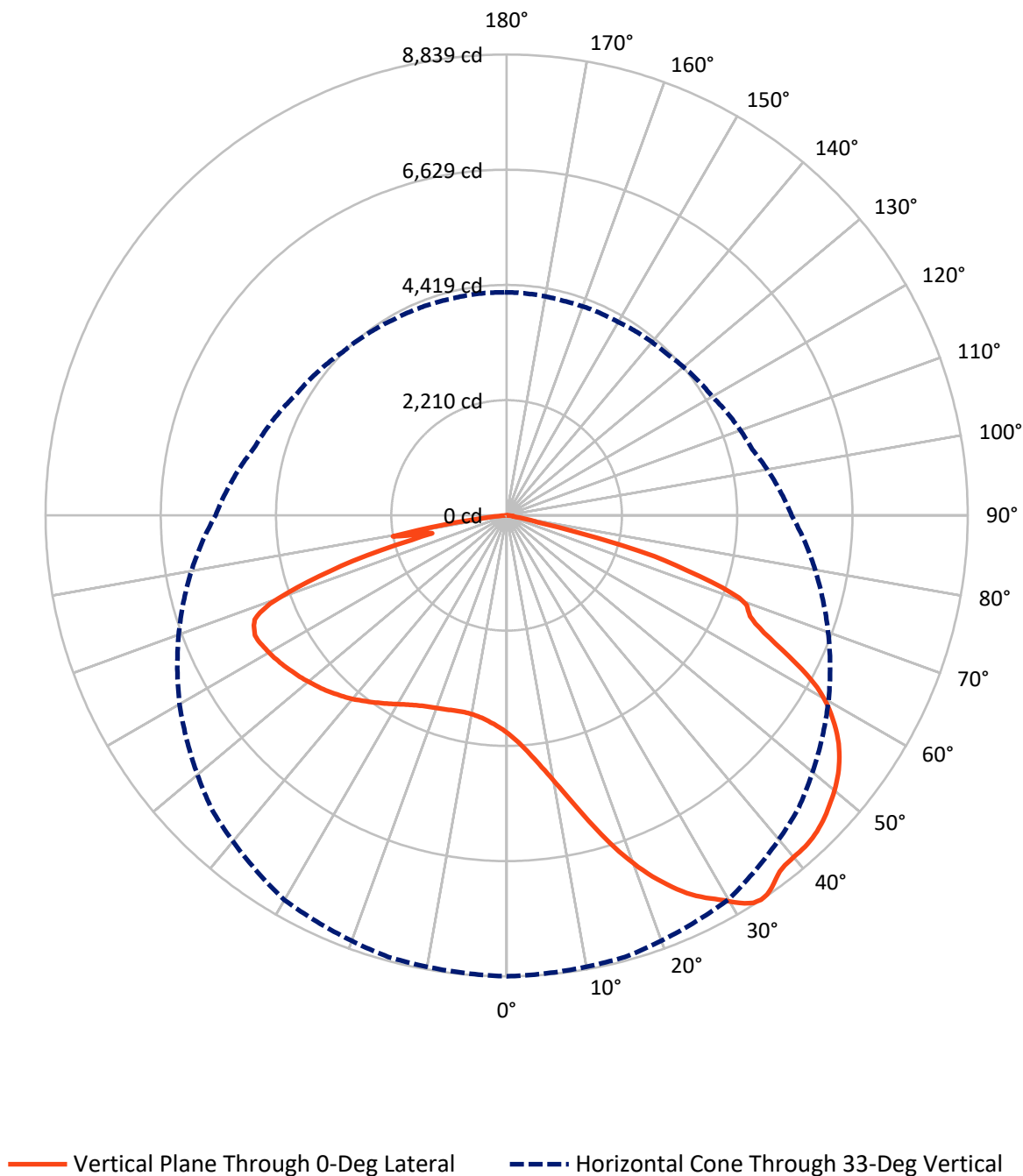


Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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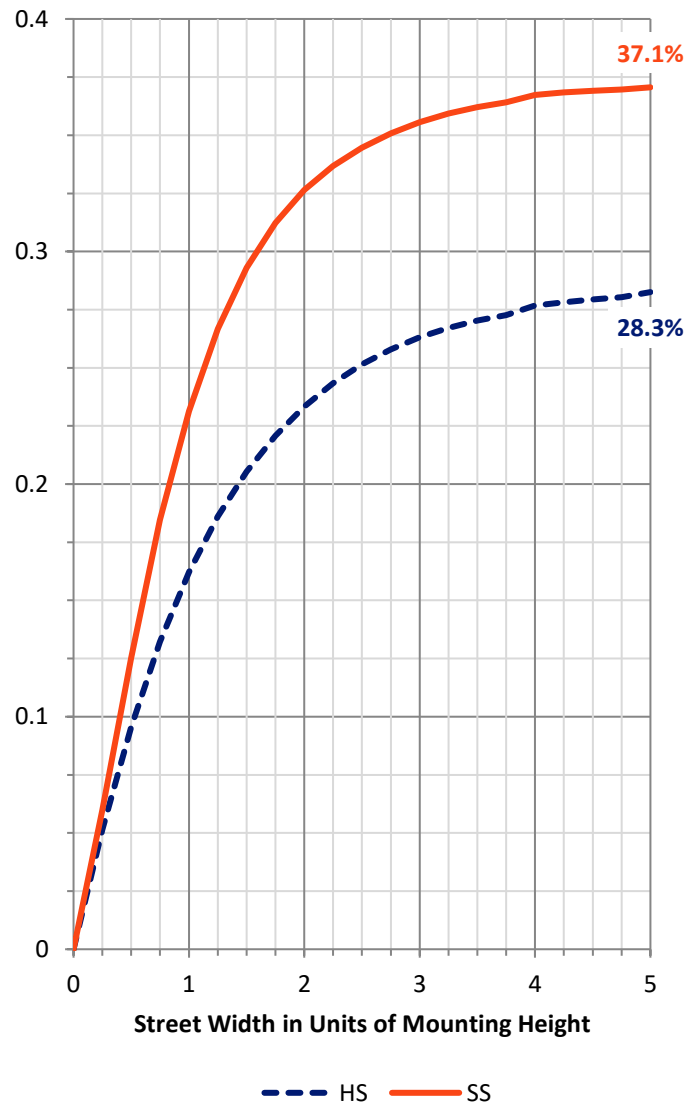
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13279.0	0.0	13279.0
	% Lamp	28.5	0.0	28.5
Street Side	Lumens	17235.6	0.0	17235.6
	% Lamp	37.0	0.0	37.0
Total	Lumens	30514.5	0.0	30514.5
	% Lamp	65.5	0.0	65.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	412.2	1.4	0.9
10°-20°	1363.7	4.5	2.9
20°-30°	2575.1	8.4	5.5
30°-40°	3880.6	12.7	8.3
40°-50°	5016.2	16.4	10.8
50°-60°	6007.9	19.7	12.9
60°-70°	6382.0	20.9	13.7
70°-80°	4373.2	14.3	9.4
80°-90°	503.7	1.7	1.1
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°	30514.5	100.0	65.5
0°-180°	30514.5	100.0	65.5

Coefficient of Utilization



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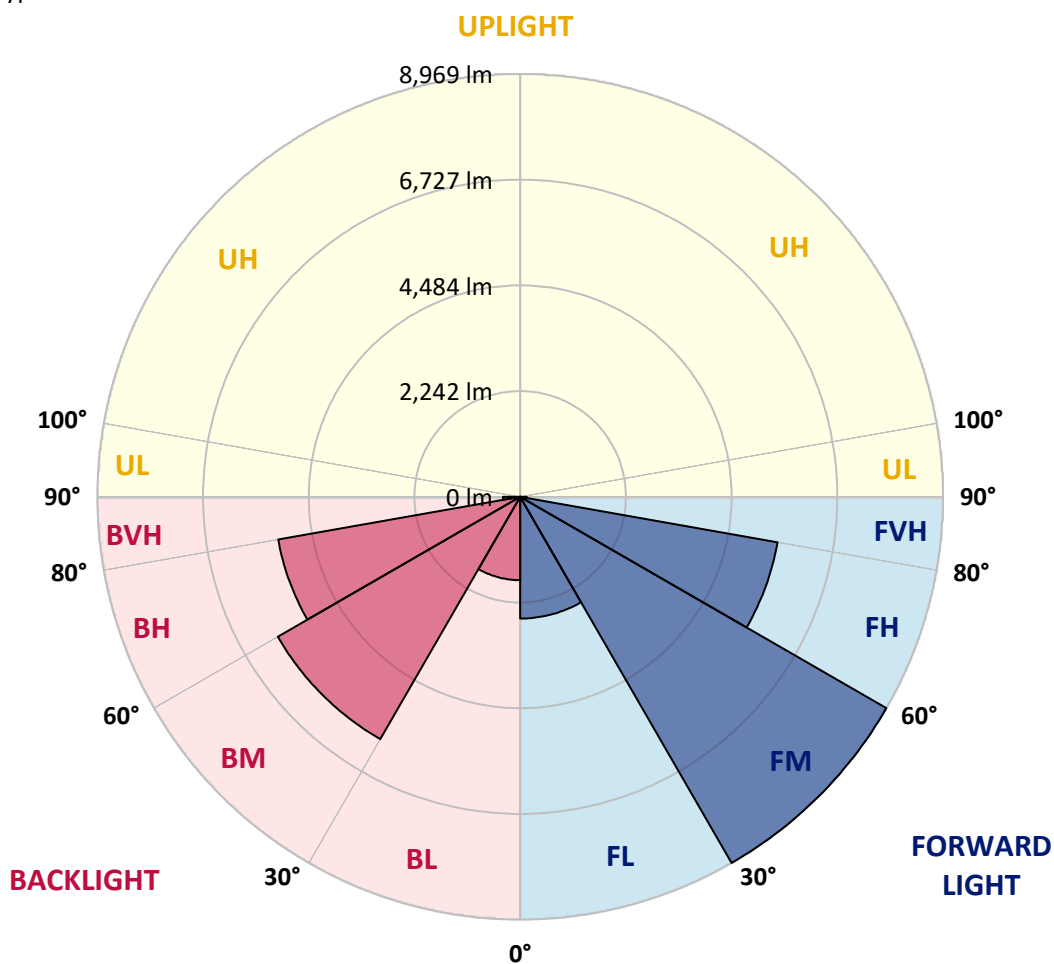
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2582.5	5.5			
FM	(30°-60°)	8968.9	19.3			
FH	(60°-80°)	5544.5	11.9			G3/7500
FVH	(80°-90°)	139.7	0.3			G2/225
BL	(0°-30°)	1768.5	3.8	B3/2500		
BM	(30°-60°)	5935.7	12.7	B4/8500		
BH	(60°-80°)	5210.7	11.2	B5		G5
BVH	(80°-90°)	364.1	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		16046.5	34.5			

BUG Rating: B5-U0-G5

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4
1°	4251.2	4249.8	4245.4	4239.0	4227.4	4212.8	4183.5	4168.3	4155.2	4144.3	4137.1
2°	4321.7	4317.2	4305.6	4287.0	4260.2	4230.5	4185.4	4155.8	4128.9	4107.8	4093.6
3°	4401.5	4393.5	4373.1	4339.3	4297.8	4251.4	4190.9	4146.3	4107.2	4077.4	4056.9
4°	4490.9	4478.8	4448.0	4400.3	4340.6	4276.8	4199.0	4139.9	4090.1	4051.5	4025.5
5°	4589.5	4572.8	4529.4	4466.7	4390.1	4306.9	4211.5	4138.1	4076.5	4030.8	3999.2
6°	4698.7	4677.9	4624.3	4540.6	4443.4	4338.8	4226.1	4138.6	4065.6	4012.8	3974.7
7°	4816.7	4792.0	4723.8	4622.0	4500.3	4373.4	4241.7	4140.3	4058.4	3996.9	3953.2
8°	4942.3	4913.5	4832.2	4709.9	4561.7	4411.4	4260.3	4145.3	4053.6	3983.5	3935.7
9°	5081.4	5049.0	4951.3	4804.3	4629.1	4453.2	4281.8	4151.5	4049.5	3973.0	3921.3
10°	5231.7	5189.1	5075.8	4905.9	4701.7	4497.7	4306.4	4159.4	4046.2	3966.7	3911.2
11°	5394.4	5346.2	5212.9	5013.3	4778.4	4546.1	4332.1	4169.8	4045.2	3961.9	3904.7
12°	5569.3	5510.4	5356.4	5129.2	4860.4	4598.5	4360.8	4183.7	4047.7	3960.0	3901.8
13°	5758.1	5689.0	5512.4	5250.9	4946.6	4653.6	4394.6	4199.6	4053.3	3960.2	3902.5
14°	5957.2	5880.0	5674.1	5381.1	5040.6	4714.1	4432.4	4218.3	4060.5	3963.3	3906.4
15°	6164.3	6076.6	5842.6	5517.7	5137.8	4776.6	4471.4	4239.2	4070.0	3969.0	3912.5
16°	6377.5	6275.7	6017.1	5658.1	5241.4	4843.9	4513.6	4264.5	4082.1	3976.4	3920.9
17°	6587.8	6477.5	6195.3	5799.5	5348.1	4915.5	4559.7	4291.0	4097.9	3987.2	3932.2
18°	6795.5	6677.5	6372.7	5947.1	5457.6	4990.9	4608.6	4320.6	4115.2	4001.0	3945.6
19°	6998.0	6874.2	6550.7	6091.8	5568.3	5067.7	4657.5	4352.0	4135.6	4015.4	3960.3
20°	7195.3	7061.6	6721.4	6236.0	5681.7	5145.2	4708.6	4385.9	4157.5	4033.7	3977.5
21°	7380.1	7244.4	6890.5	6380.4	5797.0	5227.2	4761.8	4421.3	4181.6	4052.9	3994.0
22°	7555.1	7417.4	7049.1	6521.3	5911.2	5312.1	4815.7	4457.0	4207.9	4074.3	4013.1
23°	7717.0	7585.2	7205.8	6661.2	6028.5	5397.9	4869.4	4492.5	4235.2	4097.1	4032.9
24°	7873.6	7742.5	7355.8	6794.9	6139.9	5482.9	4921.5	4528.5	4263.6	4119.9	4054.1
25°	8023.0	7895.9	7504.0	6927.2	6252.3	5565.7	4974.4	4563.7	4292.7	4144.4	4075.8
26°	8149.5	8032.2	7646.8	7057.0	6361.2	5651.0	5029.2	4600.0	4323.1	4169.3	4097.8
27°	8265.5	8156.0	7785.8	7181.5	6469.7	5738.3	5084.0	4635.7	4353.7	4194.3	4120.9
28°	8369.7	8265.5	7913.6	7306.0	6577.3	5825.2	5141.4	4671.8	4384.7	4220.9	4144.1
29°	8481.1	8373.6	8034.8	7427.9	6680.8	5914.6	5201.7	4710.7	4417.4	4246.6	4170.2
30°	8613.5	8500.1	8153.4	7550.5	6784.4	6007.4	5265.0	4752.0	4450.6	4274.4	4196.4
31°	8724.3	8618.7	8283.8	7675.7	6892.5	6098.6	5329.6	4793.7	4484.8	4303.0	4224.7
32°	8806.8	8711.8	8404.4	7800.8	7003.9	6188.0	5397.3	4835.6	4519.6	4333.3	4253.3
33°	8838.9	8766.2	8504.7	7922.1	7124.5	6277.3	5463.6	4877.8	4554.4	4363.9	4281.7
34°	8820.6	8762.9	8572.2	8031.5	7241.8	6377.3	5532.8	4921.1	4586.5	4393.5	4310.0
35°	8757.7	8713.1	8584.7	8117.4	7344.0	6483.2	5604.6	4965.7	4619.3	4425.1	4341.3
36°	8674.4	8640.4	8553.9	8173.7	7435.8	6586.4	5679.2	5012.0	4652.7	4458.0	4374.8
37°	8604.3	8556.5	8501.4	8186.2	7504.6	6675.6	5752.9	5056.5	4688.9	4492.2	4413.1
38°	8571.6	8502.1	8447.0	8171.1	7557.7	6752.3	5830.0	5098.2	4725.4	4530.4	4453.0
39°	8559.8	8474.6	8407.7	8150.8	7582.6	6816.5	5908.7	5143.1	4762.9	4571.8	4494.6
40°	8555.8	8460.8	8388.7	8140.3	7590.5	6864.3	5980.1	5191.5	4802.3	4617.9	4538.2
41°	8552.5	8451.6	8382.8	8140.3	7602.3	6898.4	6040.7	5244.4	4843.6	4662.0	4581.0
42°	8542.7	8444.4	8382.2	8152.8	7625.2	6929.2	6090.3	5293.9	4888.5	4710.7	4625.5
43°	8523.7	8433.9	8381.5	8174.4	7653.4	6965.9	6130.8	5339.0	4936.3	4759.9	4667.7
44°	8493.6	8420.8	8378.9	8199.3	7687.5	7013.1	6170.8	5382.7	4987.1	4812.8	4709.5

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CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8453.6	8398.5	8373.0	8222.2	7726.1	7065.5	6214.2	5428.8	5037.7	4865.3	4750.1
46°	8404.4	8369.7	8363.1	8241.2	7769.4	7117.9	6261.3	5477.6	5090.8	4917.5	4789.9
47°	8351.3	8338.9	8351.3	8255.0	7813.3	7172.3	6306.4	5531.6	5143.2	4968.3	4831.4
48°	8295.0	8304.2	8335.6	8264.8	7855.9	7227.4	6352.9	5588.8	5196.1	5019.1	4872.1
49°	8236.7	8268.1	8313.3	8271.4	7898.5	7280.5	6396.7	5646.2	5251.4	5068.8	4916.8
50°	8173.7	8230.8	8286.5	8274.0	7937.8	7333.6	6437.9	5706.2	5306.6	5118.1	4961.8
51°	8102.3	8187.5	8254.4	8273.4	7973.9	7382.7	6475.3	5766.1	5361.0	5168.3	5011.1
52°	8022.4	8134.4	8217.7	8268.8	8010.6	7431.9	6509.3	5825.6	5415.4	5219.9	5063.2
53°	7933.9	8074.8	8178.3	8263.5	8041.4	7475.1	6539.7	5882.8	5472.5	5273.5	5118.5
54°	7834.3	7998.1	8135.7	8252.4	8067.6	7515.1	6570.7	5936.5	5532.2	5330.3	5176.9
55°	7723.5	7908.3	8088.5	8237.3	8090.5	7550.5	6598.9	5987.0	5591.9	5389.2	5237.2
56°	7597.7	7804.8	8030.2	8214.4	8108.9	7581.3	6625.8	6035.6	5652.8	5452.1	5296.6
57°	7455.5	7685.5	7960.1	8184.2	8120.7	7607.5	6649.4	6082.5	5715.8	5519.9	5355.8
58°	7297.5	7547.9	7874.2	8148.2	8125.2	7627.8	6667.1	6124.9	5781.5	5591.6	5412.7
59°	7129.1	7391.2	7779.2	8107.6	8121.3	7639.6	6680.2	6163.5	5844.1	5664.6	5465.4
60°	6927.2	7216.3	7669.1	8059.1	8107.6	7642.2	6686.7	6198.3	5907.2	5741.3	5515.6
61°	6676.9	7012.4	7546.6	7998.8	8082.0	7629.8	6684.1	6225.3	5972.4	5820.8	5571.7
62°	6379.0	6768.0	7408.9	7926.7	8051.8	7602.3	6672.3	6245.8	6039.0	5902.2	5628.4
63°	6044.6	6485.7	7251.6	7840.2	8009.2	7568.8	6657.2	6262.0	6104.9	5984.3	5684.8
64°	5713.6	6187.1	7076.0	7740.5	7950.9	7520.3	6633.0	6267.3	6168.0	6068.9	5738.1
65°	5426.3	5907.7	6885.9	7623.9	7882.8	7458.1	6595.0	6265.8	6228.7	6150.8	5789.7
66°	5198.2	5651.8	6681.5	7491.5	7799.5	7386.6	6536.6	6258.3	6280.1	6232.2	5842.6
67°	5052.3	5437.3	6481.4	7336.2	7689.4	7285.1	6450.7	6227.2	6327.0	6305.9	5890.2
68°	4977.5	5280.0	6290.0	7159.9	7559.0	7147.4	6313.2	6169.3	6366.7	6377.5	5933.4
69°	4912.6	5169.7	6113.1	6964.6	7395.2	6968.5	6096.4	6060.8	6393.0	6439.6	5956.5
70°	4728.9	5072.7	5948.6	6753.6	7195.9	6716.9	5761.0	5872.7	6390.9	6494.5	5969.9
71°	4364.0	4902.0	5804.7	6537.9	6962.0	6376.0	5279.2	5592.8	6347.8	6532.3	5970.6
72°	3877.5	4606.8	5663.7	6317.8	6690.0	5954.4	4752.5	5227.1	6252.5	6549.1	5931.4
73°	3390.5	4192.6	5502.7	6104.4	6374.4	5462.2	4263.0	4814.5	6086.8	6521.8	5857.2
74°	2939.7	3731.7	5304.0	5882.6	6008.1	4950.3	3816.9	4422.2	5869.8	6439.4	5733.2
75°	2284.5	3225.0	5046.3	5614.7	5603.8	4412.0	3295.6	4045.6	5606.9	6285.4	5504.2
76°	1397.2	2597.2	4684.0	5311.8	5160.4	3828.4	2520.0	3566.5	5338.3	6039.1	5192.0
77°	618.4	1715.6	4218.5	4884.9	4661.6	3069.7	1635.9	2830.9	5038.2	5635.4	4844.1
78°	464.7	830.4	3625.2	4311.9	4059.3	2108.8	757.5	2012.0	4661.4	5040.6	4406.4
79°	321.8	606.1	2864.2	3592.8	3341.6	1163.7	307.6	1193.0	4049.1	4249.9	3812.6
80°	178.9	395.0	1848.7	2717.6	2489.8	532.3	204.8	383.5	3095.6	3383.8	3203.0
81°	156.0	183.9	936.3	1782.9	1518.3	366.1	176.9	232.0	2192.5	2611.7	2694.7
82°	137.3	157.5	684.3	871.6	703.2	210.1	155.7	189.5	1289.4	1969.8	2372.1
83°	119.1	136.0	441.1	646.1	507.6	172.8	134.4	160.7	403.9	1572.4	2210.6
84°	100.8	114.9	197.9	427.6	330.5	144.6	113.1	132.0	265.8	1174.9	1674.8
85°	82.0	93.9	146.8	209.1	153.5	117.6	93.3	103.3	214.0	779.0	1139.1
86°	61.5	74.2	107.6	170.6	117.3	90.4	73.5	81.0	171.9	479.5	614.5
87°	44.5	55.8	80.3	130.6	88.8	66.1	53.0	60.8	129.8	333.5	429.0
88°	27.7	37.5	55.5	85.6	63.5	46.1	33.8	42.9	88.1	187.6	243.5
89°	10.9	19.1	30.7	45.6	35.6	26.2	23.7	29.9	60.1	41.9	61.9

REPORT NUMBER: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4
1°	4134.0	4134.2	4139.6	4148.0	4160.7	4174.6	4189.4	4189.9	4204.5	4218.3	4231.6
2°	4086.5	4086.1	4093.5	4108.1	4128.6	4154.6	4182.8	4198.2	4228.2	4256.7	4282.3
3°	4046.2	4043.9	4053.6	4072.5	4100.1	4136.8	4178.2	4208.7	4255.0	4299.5	4339.8
4°	4011.4	4009.2	4019.8	4042.1	4076.9	4122.5	4176.2	4221.4	4284.0	4346.5	4404.5
5°	3981.2	3977.6	3990.7	4016.8	4057.1	4110.8	4176.1	4235.8	4315.0	4395.9	4473.9
6°	3952.6	3949.0	3963.5	3993.5	4039.7	4101.6	4179.3	4253.5	4349.4	4451.1	4549.0
7°	3928.1	3923.4	3939.2	3973.4	4023.7	4093.9	4182.9	4272.5	4387.2	4510.3	4629.6
8°	3907.4	3901.7	3919.2	3957.0	4011.0	4087.8	4188.1	4293.1	4427.5	4574.1	4716.1
9°	3891.3	3884.4	3903.4	3942.0	4002.0	4083.6	4195.5	4315.9	4471.5	4642.0	4809.5
10°	3878.3	3871.8	3890.5	3931.2	3994.5	4082.0	4207.0	4343.7	4518.8	4715.4	4910.9
11°	3870.7	3863.9	3882.5	3924.9	3989.7	4084.8	4221.3	4375.4	4571.9	4794.8	5019.4
12°	3868.3	3860.4	3878.5	3921.5	3989.4	4090.0	4238.7	4410.4	4629.4	4879.6	5135.1
13°	3869.2	3860.2	3879.3	3922.0	3992.0	4099.0	4259.2	4447.4	4690.7	4970.2	5262.3
14°	3871.9	3863.6	3882.5	3926.6	3996.6	4109.7	4281.7	4485.7	4753.9	5067.6	5394.0
15°	3878.5	3869.2	3887.8	3933.1	4004.9	4123.5	4306.3	4529.1	4821.5	5168.8	5533.8
16°	3887.2	3877.7	3896.3	3942.1	4017.5	4139.9	4333.5	4575.6	4892.1	5277.0	5678.7
17°	3897.3	3888.2	3907.8	3953.9	4031.8	4159.2	4363.0	4623.8	4967.4	5387.4	5826.3
18°	3910.2	3900.1	3921.5	3969.2	4047.4	4180.1	4395.6	4675.5	5043.8	5502.7	5979.8
19°	3924.6	3912.3	3936.7	3986.6	4065.6	4202.9	4429.2	4727.2	5123.3	5619.2	6128.0
20°	3938.8	3925.2	3952.6	4005.8	4085.7	4228.6	4466.2	4780.9	5205.9	5737.2	6278.9
21°	3952.4	3938.2	3970.1	4027.0	4108.6	4256.5	4504.2	4836.3	5292.2	5857.9	6425.0
22°	3967.2	3951.7	3987.8	4048.3	4132.2	4286.1	4543.4	4890.7	5377.4	5976.5	6568.1
23°	3983.5	3968.0	4006.3	4071.7	4157.0	4316.9	4582.7	4945.5	5465.6	6096.7	6707.7
24°	4002.5	3987.1	4026.3	4096.0	4181.4	4349.5	4623.3	4999.8	5552.8	6214.2	6842.0
25°	4023.0	4008.2	4049.1	4122.3	4206.4	4383.1	4662.5	5056.2	5641.3	6330.2	6972.5
26°	4045.7	4033.0	4074.2	4148.1	4232.0	4415.9	4702.9	5111.3	5730.8	6440.9	7100.3
27°	4071.5	4061.0	4101.5	4173.2	4258.3	4449.5	4743.1	5169.6	5820.2	6552.6	7230.7
28°	4099.3	4091.7	4131.8	4198.6	4286.6	4483.8	4784.8	5231.4	5912.0	6661.2	7363.7
29°	4129.8	4124.9	4163.2	4225.7	4315.3	4517.1	4828.6	5295.5	6007.0	6771.9	7491.5
30°	4161.3	4161.5	4194.8	4252.4	4345.2	4551.1	4873.8	5363.0	6103.0	6887.3	7618.0
31°	4192.5	4197.8	4226.1	4280.0	4376.1	4584.5	4919.6	5433.8	6203.9	7007.8	7753.7
32°	4224.5	4237.9	4258.3	4307.7	4406.8	4618.4	4963.8	5504.1	6306.5	7125.8	7871.6
33°	4257.4	4278.4	4290.7	4336.4	4437.8	4651.1	5008.6	5579.5	6413.2	7239.8	7985.0
34°	4290.9	4317.7	4322.9	4364.9	4468.0	4681.9	5054.5	5655.1	6513.3	7346.0	8076.7
35°	4324.6	4359.4	4356.2	4395.9	4498.9	4713.7	5101.4	5730.6	6607.4	7439.7	8141.0
36°	4359.1	4402.8	4390.2	4429.6	4530.2	4747.3	5147.0	5802.6	6697.2	7513.1	8168.5
37°	4394.6	4444.7	4423.0	4467.9	4565.2	4781.6	5189.3	5878.1	6773.9	7557.0	8171.1
38°	4427.3	4485.9	4454.5	4508.5	4605.7	4817.6	5231.8	5948.6	6832.2	7578.0	8155.4
39°	4459.3	4529.7	4485.7	4551.9	4649.0	4855.7	5270.7	6011.6	6874.2	7591.1	8139.0
40°	4493.1	4573.5	4518.6	4595.4	4694.5	4893.9	5312.4	6067.1	6903.6	7604.9	8135.1
41°	4527.7	4613.7	4554.1	4639.2	4742.8	4935.0	5352.6	6117.7	6931.2	7625.2	8147.5
42°	4563.0	4654.4	4591.7	4682.0	4794.1	4978.0	5396.8	6164.8	6968.5	7652.1	8173.1
43°	4599.2	4693.2	4630.2	4723.8	4846.1	5022.9	5447.0	6212.6	7019.0	7684.8	8202.6
44°	4636.1	4731.5	4670.5	4766.2	4896.6	5073.9	5500.2	6259.2	7074.7	7726.1	8230.1

REPORT NUMBER: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4674.8	4769.4	4710.8	4808.0	4947.2	5127.1	5553.3	6303.9	7127.8	7773.3	8253.7
46°	4715.2	4805.7	4754.0	4850.5	4996.6	5183.4	5604.8	6349.0	7179.6	7824.4	8273.4
47°	4759.4	4844.0	4799.1	4892.4	5046.1	5242.9	5660.4	6395.5	7231.3	7874.9	8287.1
48°	4808.0	4876.8	4847.3	4934.4	5094.2	5304.7	5722.3	6436.4	7287.0	7920.8	8296.3
49°	4859.2	4909.9	4897.5	4979.0	5143.1	5364.5	5784.0	6473.7	7342.7	7962.7	8303.5
50°	4909.6	4942.8	4950.4	5026.7	5193.0	5422.9	5845.7	6507.1	7393.9	7999.4	8306.8
51°	4961.7	4978.4	5002.6	5076.9	5243.4	5478.2	5906.4	6538.3	7442.4	8032.8	8306.8
52°	5014.8	5011.8	5057.1	5130.7	5296.8	5533.3	5964.7	6570.7	7485.6	8063.0	8304.2
53°	5068.2	5043.1	5110.7	5187.2	5351.5	5590.5	6018.1	6599.6	7524.3	8089.9	8299.6
54°	5121.2	5073.1	5162.1	5245.3	5409.5	5648.9	6066.7	6627.1	7557.0	8112.1	8289.7
55°	5169.0	5104.3	5208.1	5306.5	5471.9	5710.0	6111.1	6649.4	7583.9	8127.2	8275.3
56°	5210.4	5134.7	5248.8	5367.5	5538.0	5772.7	6151.7	6669.7	7603.6	8139.7	8252.4
57°	5245.0	5164.6	5286.8	5429.6	5608.2	5833.9	6188.7	6688.0	7612.7	8144.3	8222.2
58°	5278.7	5193.6	5320.9	5485.0	5683.0	5895.1	6222.3	6699.8	7618.0	8137.7	8177.7
59°	5310.4	5222.2	5352.6	5536.2	5759.8	5956.0	6250.6	6703.1	7614.7	8123.3	8129.2
60°	5340.2	5246.9	5380.0	5588.6	5838.9	6014.9	6271.7	6699.2	7598.3	8103.0	8070.9
61°	5364.7	5269.8	5403.0	5646.5	5919.3	6073.4	6285.3	6694.6	7571.5	8074.8	8009.9
62°	5384.4	5293.7	5424.3	5704.5	6001.6	6134.6	6291.7	6684.7	7536.1	8032.2	7937.8
63°	5407.4	5315.9	5447.3	5755.1	6081.1	6194.7	6294.1	6661.2	7488.9	7976.5	7850.0
64°	5428.3	5338.7	5471.9	5801.9	6164.1	6251.2	6288.1	6625.1	7428.6	7906.4	7739.9
65°	5447.5	5342.9	5488.6	5849.7	6244.7	6305.0	6271.9	6563.5	7345.4	7819.2	7608.2
66°	5458.2	5315.0	5487.5	5899.6	6319.1	6353.0	6235.4	6466.2	7233.3	7711.1	7454.8
67°	5452.7	5283.4	5473.9	5940.9	6390.5	6382.4	6169.0	6335.4	7084.5	7586.5	7287.7
68°	5436.9	5228.0	5453.8	5974.5	6451.4	6386.1	6064.9	6122.5	6893.8	7431.2	7104.8
69°	5388.7	5083.8	5396.6	5992.1	6502.1	6365.8	5901.7	5788.4	6650.7	7242.5	6909.5
70°	5282.2	4839.7	5271.7	5993.5	6538.9	6317.1	5637.7	5317.1	6317.2	7017.7	6693.9
71°	5092.5	4468.8	5058.9	5971.3	6557.0	6223.5	5265.6	4771.1	5877.4	6744.4	6466.8
72°	4785.0	4013.5	4727.0	5917.2	6540.7	6087.3	4857.3	4283.9	5382.8	6441.4	6237.9
73°	4358.8	3546.1	4317.6	5830.7	6458.3	5881.9	4476.8	3845.2	4852.5	6069.7	5998.7
74°	3894.6	3078.1	3851.6	5665.3	6300.2	5637.7	4112.8	3345.3	4332.0	5638.5	5740.8
75°	3412.1	2492.2	3351.6	5401.7	6073.9	5382.0	3610.7	2573.4	3745.8	5157.1	5431.9
76°	2895.8	1876.3	2829.3	5088.7	5729.9	5106.4	2865.5	1605.2	3004.9	4650.4	5066.2
77°	2313.3	1468.9	2282.7	4723.6	5207.6	4736.8	2028.0	750.6	2074.7	4068.3	4557.1
78°	1931.2	1540.4	1959.1	4253.7	4496.1	4151.4	1190.5	548.2	1127.2	3365.4	3846.9
79°	1997.4	1942.7	2106.7	3643.1	3709.6	3260.3	355.0	366.4	501.1	2553.0	3011.4
80°	2400.4	2217.4	2496.8	3012.8	2937.6	2303.4	231.4	184.6	356.1	1609.3	2085.4
81°	2540.1	1719.7	2490.1	2458.0	2282.1	1346.4	190.4	158.5	212.3	766.8	1153.8
82°	1921.0	1221.9	1868.8	2229.4	1816.3	408.1	163.3	138.2	175.8	559.8	832.4
83°	1302.0	726.1	1247.5	1757.0	1350.5	274.0	136.3	118.3	148.8	363.2	527.9
84°	685.8	387.5	629.4	1284.8	886.6	224.7	109.4	98.2	123.5	166.5	223.4
85°	362.4	233.7	350.6	812.6	516.2	182.9	87.2	77.2	96.2	124.5	188.1
86°	290.3	81.8	280.8	452.1	363.5	141.1	67.1	58.0	72.2	95.1	151.5
87°	218.2	55.2	211.1	361.9	210.7	99.4	48.6	38.8	51.8	69.6	107.6
88°	146.0	28.5	141.4	271.7	59.3	75.4	33.5	19.6	31.5	44.4	58.8
89°	73.9	2.5	71.7	181.6	31.4	51.5	18.4	6.5	11.1	33.7	44.3

REPORT NUMBER: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4190.4	4190.4	4190.4
1°	4240.4	4248.2	4251.2
2°	4303.3	4317.5	4321.7
3°	4373.8	4395.0	4401.5
4°	4451.5	4481.3	4490.9
5°	4535.8	4576.5	4589.5
6°	4628.9	4681.4	4698.7
7°	4729.4	4795.1	4816.7
8°	4836.6	4916.3	4942.3
9°	4953.3	5049.2	5081.4
10°	5079.4	5195.0	5231.7
11°	5215.1	5350.6	5394.4
12°	5359.8	5515.9	5569.3
13°	5517.2	5695.3	5758.1
14°	5678.7	5883.5	5957.2
15°	5848.2	6079.6	6164.3
16°	6027.4	6284.0	6377.5
17°	6212.8	6487.5	6587.8
18°	6396.2	6693.9	6795.5
19°	6574.0	6889.2	6998.0
20°	6747.7	7077.3	7195.3
21°	6916.1	7254.9	7380.1
22°	7076.7	7425.3	7555.1
23°	7230.0	7593.7	7717.0
24°	7380.1	7755.6	7873.6
25°	7529.5	7911.6	8023.0
26°	7677.6	8053.8	8149.5
27°	7821.2	8179.0	8265.5
28°	7949.6	8287.8	8369.7
29°	8071.5	8400.5	8481.1
30°	8194.7	8524.4	8613.5
31°	8317.3	8639.1	8724.3
32°	8432.6	8722.9	8806.8
33°	8515.8	8764.2	8838.9
34°	8559.8	8756.4	8820.6
35°	8560.4	8704.6	8757.7
36°	8531.6	8625.3	8674.4
37°	8477.8	8548.0	8604.3
38°	8429.3	8496.8	8571.6
39°	8405.1	8474.6	8559.8
40°	8396.6	8463.4	8555.8
41°	8394.6	8458.2	8552.5
42°	8394.6	8452.3	8542.7
43°	8395.3	8445.1	8523.7
44°	8395.3	8432.6	8493.6

REPORT NUMBER: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8393.3	8411.0	8453.6
46°	8389.4	8382.2	8404.4
47°	8380.8	8350.0	8351.3
48°	8368.4	8315.3	8295.0
49°	8346.8	8279.3	8236.7
50°	8320.5	8244.5	8173.7
51°	8287.1	8203.9	8102.3
52°	8248.5	8153.4	8022.4
53°	8207.8	8093.1	7933.9
54°	8165.9	8015.8	7834.3
55°	8118.0	7925.4	7723.5
56°	8060.4	7821.2	7597.7
57°	7988.9	7699.9	7455.5
58°	7901.1	7560.3	7297.5
59°	7804.1	7401.7	7129.1
60°	7692.7	7228.7	6927.2
61°	7562.9	7031.4	6676.9
62°	7421.4	6794.9	6379.0
63°	7272.0	6518.7	6044.6
64°	7106.2	6217.5	5713.6
65°	6920.7	5936.6	5426.3
66°	6720.8	5694.7	5198.2
67°	6522.9	5489.0	5052.3
68°	6326.3	5333.5	4977.5
69°	6155.5	5212.3	4912.6
70°	6005.8	5105.4	4728.9
71°	5850.8	4933.6	4364.0
72°	5674.0	4629.7	3877.5
73°	5506.3	4208.8	3390.5
74°	5292.7	3725.2	2939.7
75°	4975.4	3200.7	2284.5
76°	4555.6	2561.8	1397.2
77°	4070.3	1714.6	618.4
78°	3450.1	861.5	464.7
79°	2591.4	622.2	321.8
80°	1505.1	405.8	178.9
81°	719.7	189.4	156.0
82°	536.8	157.2	137.3
83°	358.5	137.2	119.1
84°	180.2	115.0	100.8
85°	131.6	92.3	82.0
86°	98.9	71.8	61.5
87°	72.5	53.1	44.5
88°	58.2	34.4	27.7
89°	44.2	15.8	10.9

REPORT NUMBER: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

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: P1445094

CATALOG NUMBER: XAS300-SFPM (5000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)