

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: P1445093

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445093
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-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: 38376 (1 lamp)
Luminaire Lumens: 25150.6 lumens
Efficiency: 65.5%
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - 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

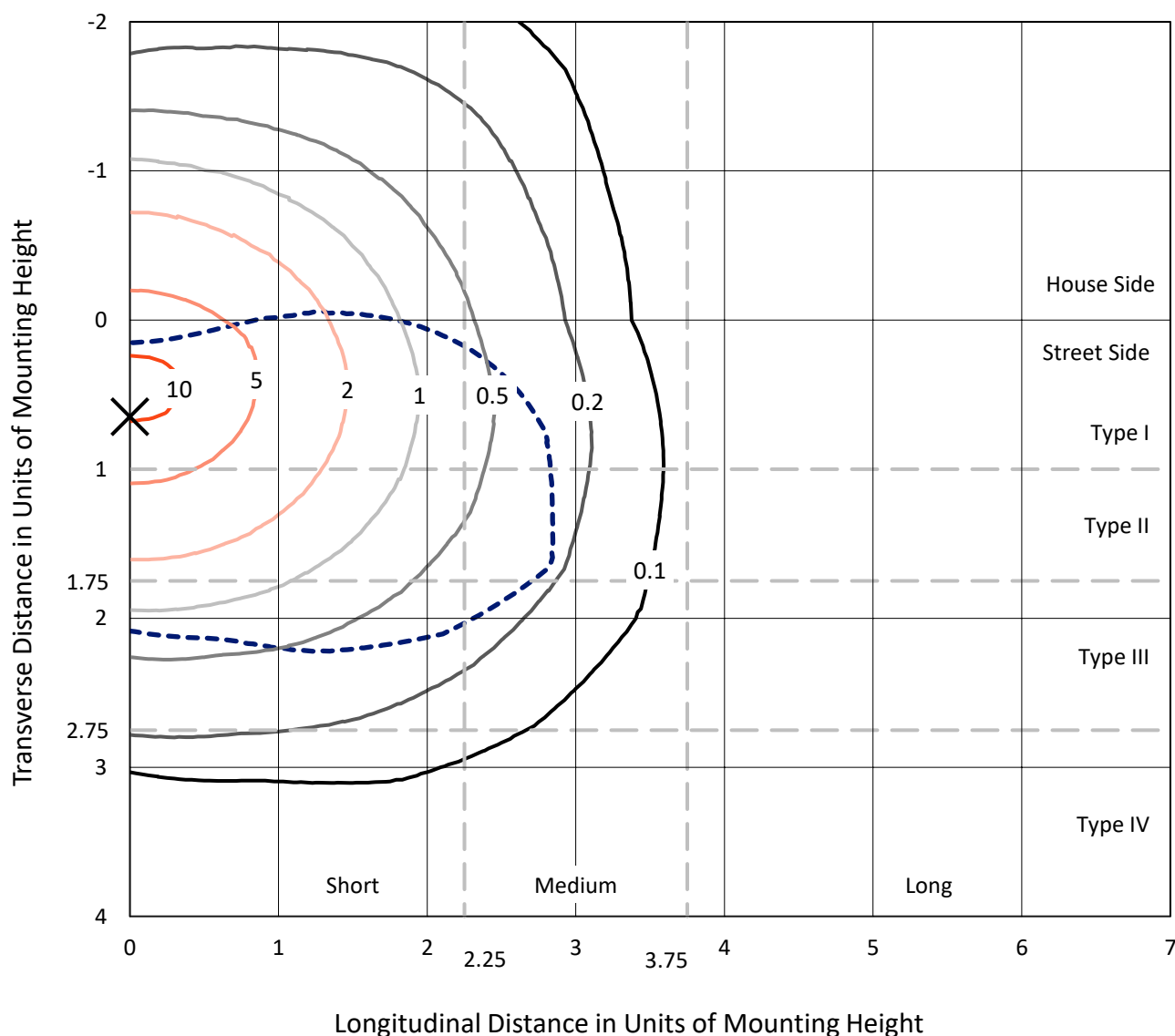
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

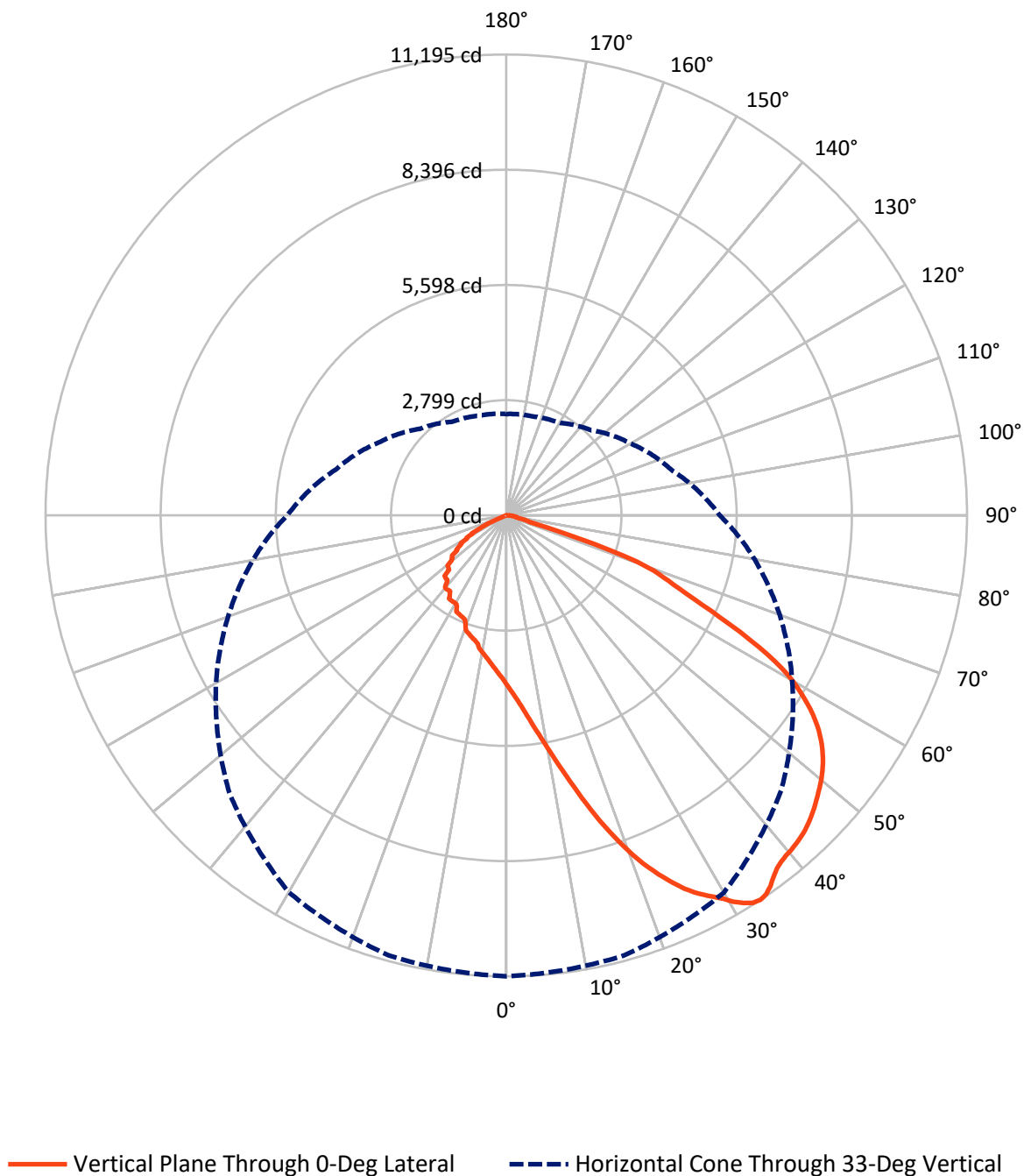


Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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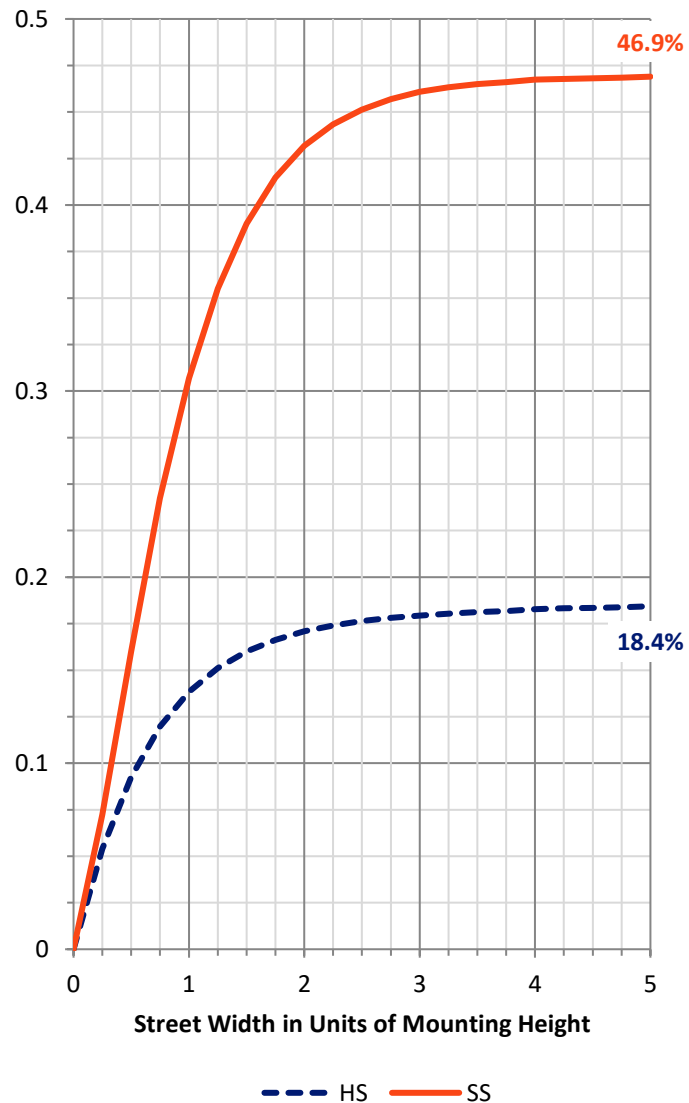
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7121.2	0.0	7121.2
	% Lamp	18.6	0.0	18.6
Street Side	Lumens	18029.4	0.0	18029.4
	% Lamp	47.0	0.0	47.0
Total	Lumens	25150.6	0.0	25150.6
	% Lamp	65.5	0.0	65.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	410.2	1.6	1.1
10°-20°	1381.5	5.5	3.6
20°-30°	2620.9	10.4	6.8
30°-40°	3861.4	15.4	10.1
40°-50°	4706.2	18.7	12.3
50°-60°	5148.0	20.5	13.4
60°-70°	4554.9	18.1	11.9
70°-80°	2256.4	9.0	5.9
80°-90°	211.1	0.8	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	65.5
0°-180°	25150.6	100.0	65.5

Coefficient of Utilization



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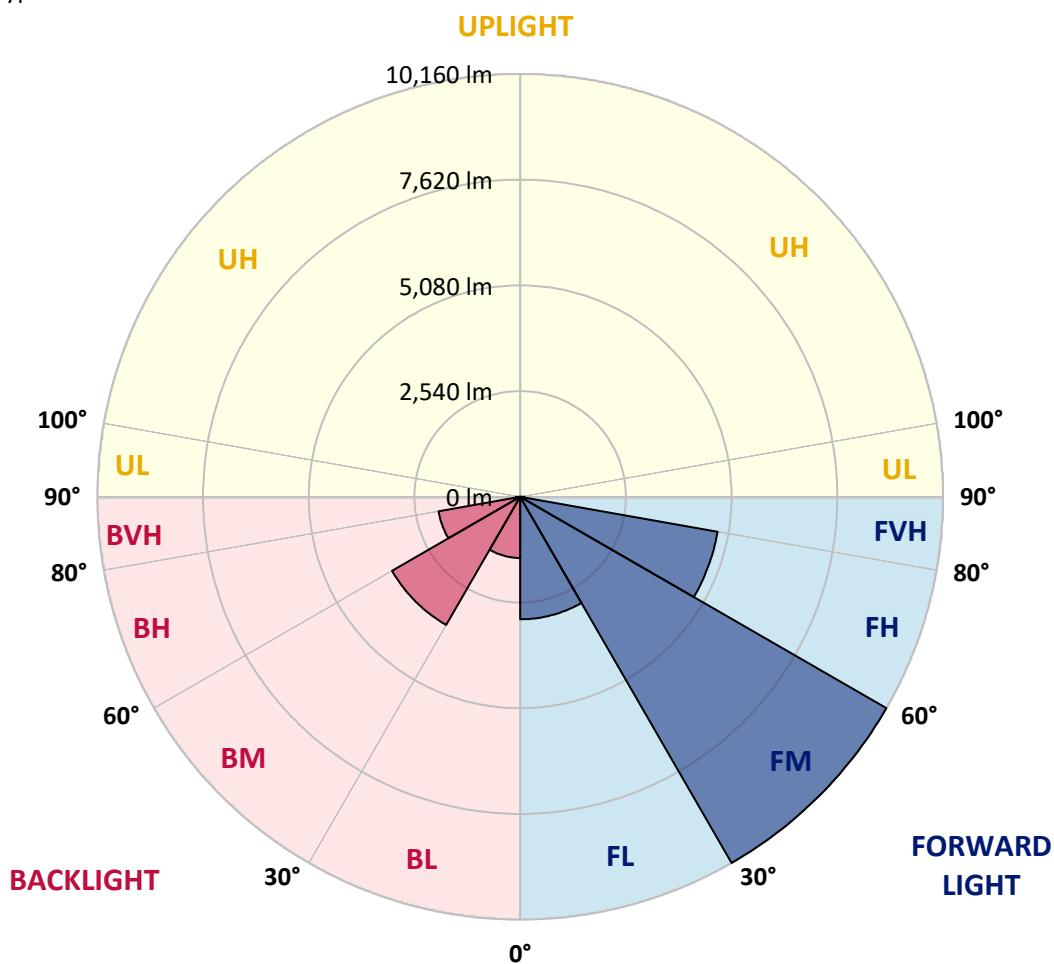
CATALOG NUMBER: XAS300-SFPM (5000K-180W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2943.5	7.7			
FM	(30°-60°)	10160.3	26.5			
FH	(60°-80°)	4818.5	12.6			G2/5000
FVH	(80°-90°)	107.2	0.3			G2/225
BL	(0°-30°)	1469.2	3.8	B3/2500		
BM	(30°-60°)	3555.3	9.3	B3/5000		
BH	(60°-80°)	1992.8	5.2	B3/2500		G3/2500
BVH	(80°-90°)	104.0	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		13225.4	34.5			

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9
1°	4246.8	4245.5	4235.6	4220.5	4199.7	4173.8	4133.9	4107.2	4082.1	4062.4	4047.8
2°	4367.9	4361.0	4337.2	4301.7	4255.6	4203.1	4134.3	4081.0	4033.1	3994.2	3965.5
3°	4499.0	4487.0	4448.1	4391.4	4316.8	4235.0	4138.3	4059.5	3989.9	3933.1	3891.2
4°	4646.6	4626.6	4571.9	4490.1	4386.2	4275.1	4147.8	4043.2	3950.3	3875.3	3822.9
5°	4808.0	4783.3	4707.3	4596.6	4464.3	4320.1	4162.4	4032.1	3915.6	3825.5	3759.5
6°	4984.9	4951.8	4857.1	4716.7	4547.5	4368.4	4177.8	4022.8	3885.5	3778.4	3697.8
7°	5174.8	5135.7	5018.5	4843.6	4636.7	4419.1	4196.1	4015.0	3857.8	3731.7	3641.2
8°	5379.5	5331.2	5191.5	4983.3	4732.3	4473.8	4216.8	4009.5	3831.8	3689.2	3590.0
9°	5599.7	5540.7	5378.4	5130.3	4835.2	4533.2	4241.0	4004.5	3805.8	3651.3	3541.2
10°	5834.0	5765.9	5573.8	5288.7	4943.0	4596.3	4265.7	4002.1	3779.7	3616.4	3495.3
11°	6086.3	6008.5	5788.5	5455.9	5058.3	4665.4	4293.8	4002.1	3756.8	3583.1	3452.5
12°	6356.6	6264.3	6014.0	5631.0	5179.0	4737.2	4314.0	3994.1	3737.6	3549.3	3414.4
13°	6646.7	6538.5	6247.6	5817.8	5310.1	4798.3	4333.4	3983.8	3709.6	3518.0	3378.0
14°	6946.2	6828.9	6495.1	6013.5	5446.0	4863.5	4360.8	3978.1	3683.7	3490.4	3325.0
15°	7258.9	7123.2	6752.3	6216.3	5572.9	4934.7	4390.6	3976.4	3658.9	3454.6	3253.5
16°	7578.0	7426.6	7014.4	6424.3	5707.9	5010.5	4430.4	3984.8	3639.0	3421.7	3220.2
17°	7898.5	7728.7	7282.4	6635.6	5845.1	5094.2	4465.0	3986.8	3625.7	3374.0	3194.7
18°	8209.1	8029.6	7545.2	6847.3	5981.0	5182.6	4504.4	3993.9	3608.7	3319.9	3171.6
19°	8515.2	8323.2	7806.7	7049.1	6127.3	5266.5	4550.5	4011.8	3599.0	3291.4	3152.1
20°	8808.8	8604.3	8059.7	7241.8	6269.9	5357.2	4601.3	4030.8	3596.1	3268.8	3131.3
21°	9086.7	8876.3	8300.9	7440.4	6420.8	5451.5	4653.0	4046.1	3595.8	3249.9	3107.2
22°	9341.6	9131.9	8532.2	7622.6	6560.2	5553.9	4696.0	4044.9	3586.2	3238.5	3080.3
23°	9589.3	9380.3	8760.3	7799.5	6707.0	5658.4	4720.7	4049.4	3566.5	3231.0	3057.0
24°	9818.7	9616.2	8979.2	7972.5	6850.6	5752.9	4753.6	4067.7	3544.0	3215.6	2941.0
25°	10038.9	9837.1	9190.9	8148.8	6989.5	5839.6	4800.9	4076.5	3529.1	3202.1	2853.1
26°	10225.7	10037.0	9398.0	8314.0	7133.0	5914.6	4850.0	4082.3	3513.4	3190.0	2833.7
27°	10389.5	10212.6	9594.6	8475.9	7275.9	5999.5	4881.4	4100.0	3515.5	3174.4	2820.3
28°	10539.6	10369.9	9776.8	8631.8	7417.4	6098.5	4927.2	4119.3	3518.9	3149.4	2806.2
29°	10698.9	10525.9	9938.0	8781.9	7546.6	6207.8	4982.4	4136.8	3516.1	3044.4	2786.7
30°	10887.0	10706.7	10103.8	8936.6	7669.1	6302.7	5043.2	4138.6	3500.4	2975.4	2767.2
31°	11041.0	10869.3	10277.5	9104.4	7771.3	6395.3	5101.0	4144.4	3498.4	2949.2	2754.5
32°	11155.7	10997.1	10438.7	9278.7	7886.0	6488.3	5146.1	4162.9	3500.7	2932.2	2739.2
33°	11195.0	11063.9	10575.0	9444.5	8023.7	6592.3	5187.2	4183.1	3489.8	2925.0	2593.6
34°	11157.6	11047.5	10649.7	9593.9	8163.3	6707.0	5240.3	4193.8	3486.4	2922.3	2563.7
35°	11054.1	10963.0	10639.2	9700.8	8295.0	6823.0	5303.6	4210.9	3489.3	2919.7	2551.4
36°	10921.0	10846.3	10567.1	9764.3	8413.6	6933.1	5366.7	4241.0	3485.9	2909.0	2544.9
37°	10802.4	10717.9	10468.2	9765.6	8485.7	7017.7	5411.6	4257.5	3482.4	2897.6	2548.6
38°	10736.9	10632.7	10369.9	9727.0	8525.7	7091.1	5456.2	4271.6	3468.9	2871.6	2550.7
39°	10698.9	10588.1	10301.7	9680.4	8530.9	7150.7	5521.4	4286.8	3377.6	2772.5	2545.3
40°	10670.7	10558.0	10263.7	9645.7	8511.9	7186.1	5580.0	4299.2	3329.1	2778.4	2516.2
41°	10637.9	10533.7	10239.5	9625.4	8507.3	7206.4	5621.2	4320.2	3344.4	2797.0	2416.1
42°	10596.0	10507.5	10217.2	9609.0	8520.4	7224.8	5646.3	4326.3	3364.9	2803.2	2420.1
43°	10542.9	10475.4	10193.6	9602.4	8538.1	7247.7	5660.0	4341.3	3368.7	2802.0	2415.6
44°	10478.0	10436.1	10166.1	9603.8	8561.1	7267.4	5666.4	4347.4	3357.9	2812.8	2392.1

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10400.0	10386.3	10130.7	9602.4	8587.9	7296.2	5679.9	4372.4	3370.6	2822.2	2375.8
46°	10314.2	10324.7	10089.4	9591.3	8608.9	7334.9	5698.2	4371.3	3387.8	2794.8	2297.3
47°	10223.7	10260.4	10041.5	9575.6	8625.9	7376.8	5705.2	4324.0	3385.7	2679.1	2206.0
48°	10130.0	10190.3	9987.8	9562.5	8643.6	7413.5	5734.9	4322.5	3396.8	2665.6	2205.3
49°	10037.0	10114.9	9924.9	9541.5	8664.0	7441.7	5768.6	4341.9	3344.7	2672.3	2197.6
50°	9938.0	10036.3	9856.7	9506.1	8673.1	7465.9	5799.3	4362.6	3278.1	2669.5	2187.5
51°	9825.9	9945.2	9780.0	9464.2	8684.9	7487.6	5825.3	4364.4	3280.4	2655.3	2067.0
52°	9698.8	9840.3	9694.9	9417.0	8699.3	7498.7	5834.6	4375.3	3265.6	2594.7	2040.3
53°	9557.9	9721.1	9603.1	9367.2	8703.9	7502.0	5798.0	4394.8	3286.2	2517.3	2048.7
54°	9396.7	9576.2	9502.8	9309.5	8694.1	7507.9	5757.4	4374.3	3296.2	2521.8	2054.0
55°	9213.2	9407.8	9396.0	9240.0	8669.9	7502.0	5743.4	4370.3	3296.1	2518.6	1979.3
56°	9000.2	9211.8	9272.8	9160.7	8637.1	7484.3	5735.3	4360.4	3281.1	2501.5	1922.9
57°	8760.3	8989.0	9129.9	9074.2	8599.1	7467.3	5723.1	4351.5	3236.4	2385.3	1924.1
58°	8490.3	8737.4	8962.8	8980.5	8550.6	7457.4	5685.8	4310.6	3213.9	2406.6	1879.9
59°	8195.4	8460.1	8782.6	8873.0	8497.5	7440.4	5654.4	4268.9	3215.2	2437.2	1788.3
60°	7855.9	8154.7	8573.5	8750.5	8430.6	7413.5	5616.4	4253.8	3213.4	2462.3	1792.6
61°	7429.9	7797.6	8342.8	8604.3	8345.5	7368.3	5571.3	4215.1	3199.8	2380.2	1703.6
62°	6924.0	7376.8	8078.7	8434.6	8249.1	7306.7	5497.3	4177.0	3162.0	2371.6	1685.5
63°	6349.6	6897.1	7781.8	8238.6	8136.4	7210.4	5414.2	4125.9	3166.4	2380.9	1648.7
64°	5763.6	6385.2	7443.0	8023.7	8004.0	7081.9	5312.3	4059.7	3146.3	2334.6	1579.8
65°	5230.4	5879.1	7072.7	7785.8	7856.5	6929.2	5214.0	4017.8	3074.7	2339.7	1522.9
66°	4768.1	5385.9	6676.9	7511.2	7684.8	6792.2	5086.7	3948.0	3067.2	2299.6	1497.3
67°	4404.7	4937.7	6274.6	7211.7	7489.5	6637.6	4939.6	3862.7	3093.8	2294.1	1414.2
68°	4112.6	4547.8	5871.3	6873.5	7263.4	6450.8	4722.9	3756.6	3120.3	2298.6	1353.6
69°	3821.9	4212.4	5462.0	6508.0	6993.4	6226.8	4508.0	3627.5	3091.7	2289.7	1293.0
70°	3369.2	3866.7	5057.9	6128.9	6687.4	5940.4	4176.9	3441.8	3021.0	2299.3	1233.1
71°	2650.7	3417.2	4664.0	5742.9	6354.6	5570.2	3739.7	3187.3	2965.9	2294.4	1212.0
72°	1801.8	2795.1	4267.1	5358.4	5995.4	5157.9	3311.3	2918.7	2905.7	2345.4	1203.6
73°	1053.2	2040.7	3836.7	4967.6	5604.8	4658.6	2910.4	2681.6	2785.4	2323.8	1166.7
74°	594.7	1305.8	3365.1	4569.4	5163.7	4116.2	2540.6	2484.7	2660.7	2317.6	1171.7
75°	496.1	767.6	2839.3	4133.1	4677.8	3528.9	2099.9	2279.5	2548.3	2298.0	1147.7
76°	410.0	622.5	2253.8	3631.0	4119.6	2904.1	1476.7	1985.4	2453.8	2242.5	1090.2
77°	323.9	480.0	1699.6	3005.6	3491.8	2154.3	855.3	1485.4	2366.3	2127.5	1003.4
78°	289.3	337.5	1273.8	2236.8	2785.7	1372.8	395.4	985.5	2294.0	1940.9	888.5
79°	266.1	297.7	931.6	1425.0	2076.7	719.0	197.3	487.6	2080.0	1623.0	770.1
80°	245.2	267.3	671.2	771.6	1391.6	542.4	169.8	363.1	1542.4	1305.0	676.8
81°	225.6	240.3	537.0	600.9	787.2	367.2	142.4	238.7	1004.9	989.0	691.4
82°	206.8	217.1	404.6	446.4	583.8	191.9	115.0	115.9	471.1	810.1	649.5
83°	187.7	197.1	272.1	291.9	385.8	158.9	98.3	92.0	353.9	691.2	520.1
84°	168.0	176.0	229.8	256.2	187.9	135.5	82.0	72.2	236.8	546.9	357.8
85°	148.3	154.8	183.2	223.4	147.9	112.0	66.2	56.0	120.0	389.3	236.4
86°	127.8	134.2	143.8	190.4	118.3	87.9	50.9	42.4	100.7	312.0	167.9
87°	106.7	114.6	118.7	153.3	92.9	66.1	36.3	31.2	78.8	234.7	99.5
88°	87.4	94.9	95.1	109.7	70.9	49.7	25.6	22.2	51.5	157.4	60.6
89°	72.1	75.1	72.0	64.6	54.4	33.4	14.9	13.3	35.6	80.1	41.4

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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: P1445093

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: P1445093
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: P1445093

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9	4139.9
1°	4040.0	4038.6	4045.5	4059.3	4077.4	4101.6	4127.2	4142.6	4167.5	4191.8	4213.5
2°	3949.8	3945.9	3956.7	3980.4	4014.2	4058.4	4107.9	4151.6	4202.8	4254.4	4299.9
3°	3867.0	3860.8	3874.0	3905.9	3954.6	4018.1	4092.0	4162.5	4241.7	4321.0	4393.7
4°	3791.2	3782.7	3799.4	3837.8	3899.6	3981.5	4078.0	4177.8	4285.7	4394.2	4494.6
5°	3719.5	3708.9	3728.2	3774.9	3848.8	3947.9	4066.8	4194.1	4330.7	4473.7	4606.1
6°	3651.2	3638.9	3659.6	3712.3	3800.0	3916.1	4058.1	4213.4	4379.4	4556.6	4725.2
7°	3587.2	3573.5	3596.1	3655.3	3750.9	3886.6	4050.7	4234.4	4432.4	4646.9	4851.6
8°	3528.6	3511.4	3536.7	3604.1	3707.7	3857.4	4044.3	4256.0	4488.5	4742.4	4986.6
9°	3471.1	3450.4	3478.7	3553.6	3669.1	3828.3	4038.2	4280.1	4547.2	4843.4	5132.5
10°	3416.8	3394.4	3424.7	3504.5	3632.0	3800.7	4035.2	4306.3	4609.9	4949.8	5287.0
11°	3368.9	3344.1	3373.8	3459.8	3595.9	3777.4	4034.4	4338.0	4677.2	5063.7	5452.3
12°	3326.0	3290.1	3327.3	3418.3	3562.0	3759.0	4024.6	4358.3	4748.7	5183.4	5626.2
13°	3246.0	3191.6	3248.0	3378.9	3528.3	3730.0	4019.2	4384.0	4809.7	5313.1	5812.1
14°	3182.9	3150.1	3183.4	3326.4	3499.0	3705.3	4013.7	4407.2	4875.5	5444.1	6005.0
15°	3149.7	3114.2	3147.9	3249.6	3463.0	3682.9	4014.0	4439.3	4943.8	5569.9	6210.9
16°	3118.2	3081.0	3115.6	3217.7	3432.1	3666.7	4017.3	4479.4	5020.0	5703.7	6421.0
17°	3090.7	3050.1	3088.0	3191.6	3392.3	3649.7	4023.8	4515.4	5108.8	5841.6	6639.5
18°	3061.0	3015.3	3057.7	3168.9	3339.8	3637.4	4035.1	4556.6	5188.0	5987.3	6849.2
19°	3031.1	2982.4	3028.7	3151.1	3305.7	3634.2	4054.3	4608.3	5277.7	6134.3	7054.4
20°	3001.0	2946.1	3001.3	3130.6	3284.8	3635.9	4074.4	4662.4	5367.9	6289.3	7259.5
21°	2967.0	2821.4	2970.8	3105.9	3271.3	3636.0	4088.3	4710.9	5469.8	6440.4	7454.2
22°	2814.1	2729.9	2826.7	3082.5	3263.1	3628.3	4092.4	4753.8	5574.7	6592.3	7640.3
23°	2754.6	2704.4	2767.1	3064.3	3255.7	3615.2	4105.9	4785.2	5676.5	6745.0	7825.7
24°	2732.8	2686.7	2747.9	2949.1	3241.8	3602.6	4130.5	4825.7	5771.0	6895.1	8008.6
25°	2718.9	2672.1	2734.6	2871.7	3228.5	3591.9	4140.7	4880.9	5854.9	7046.5	8178.3
26°	2705.9	2656.6	2723.1	2859.6	3220.6	3574.6	4155.2	4928.6	5941.6	7195.9	8351.3
27°	2691.7	2645.3	2710.9	2849.3	3202.8	3582.0	4178.7	4970.2	6038.2	7344.7	8518.5
28°	2681.3	2631.6	2701.4	2834.3	3181.4	3587.5	4202.1	5023.2	6149.2	7483.6	8687.6
29°	2669.0	2516.0	2690.3	2816.4	3080.1	3577.8	4217.0	5086.1	6261.0	7619.3	8851.4
30°	2536.6	2468.5	2555.9	2801.1	3013.2	3564.5	4220.9	5150.6	6356.3	7745.1	9017.9
31°	2498.5	2463.4	2519.0	2787.7	2986.8	3564.3	4237.7	5209.7	6467.2	7870.3	9195.5
32°	2491.6	2463.6	2512.4	2771.9	2974.9	3567.4	4263.3	5258.0	6587.1	8005.3	9358.0
33°	2487.4	2462.5	2508.9	2626.3	2971.4	3555.1	4291.0	5319.5	6717.5	8141.0	9516.6
34°	2482.5	2457.4	2503.3	2596.9	2969.6	3554.0	4302.8	5392.1	6834.2	8277.9	9649.6
35°	2473.8	2452.5	2494.7	2584.4	2966.8	3554.2	4328.7	5463.7	6937.1	8406.4	9738.1
36°	2464.2	2359.3	2483.8	2579.8	2954.4	3550.1	4359.4	5532.5	7026.9	8492.9	9769.6
37°	2366.9	2292.8	2374.0	2583.9	2944.3	3544.3	4379.4	5579.5	7100.9	8540.1	9758.4
38°	2288.5	2294.3	2308.2	2584.2	2913.7	3532.3	4396.3	5629.7	7157.9	8551.9	9713.2
39°	2283.1	2300.9	2302.2	2583.6	2818.1	3444.7	4400.8	5683.3	7197.2	8541.4	9661.4
40°	2281.8	2303.7	2297.8	2547.7	2833.9	3399.9	4406.0	5718.5	7220.8	8535.5	9625.4
41°	2269.9	2293.1	2283.9	2457.6	2853.8	3413.6	4410.8	5743.7	7232.6	8541.4	9604.4
42°	2245.0	2166.4	2259.0	2461.1	2852.4	3431.3	4417.0	5766.3	7253.6	8553.9	9600.5
43°	2120.1	2123.2	2136.7	2451.3	2855.4	3420.3	4430.8	5785.2	7275.9	8571.6	9609.0
44°	2070.8	2119.9	2092.7	2428.1	2864.4	3413.6	4444.4	5798.5	7306.7	8591.9	9612.9

REPORT NUMBER: P1445093

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2066.6	2112.8	2089.2	2412.5	2873.6	3426.8	4468.2	5820.6	7342.7	8611.5	9610.3
46°	2059.4	2099.5	2080.0	2316.5	2831.7	3448.9	4451.3	5835.3	7380.1	8637.1	9607.7
47°	2040.4	1917.9	2064.5	2251.4	2727.0	3452.3	4408.3	5848.7	7411.6	8665.9	9599.2
48°	1882.7	1900.6	1908.6	2251.1	2718.9	3464.6	4415.8	5879.5	7438.4	8688.9	9582.8
49°	1873.6	1886.7	1905.4	2239.1	2726.2	3397.7	4437.1	5906.9	7466.6	8706.6	9553.3
50°	1872.1	1873.0	1905.8	2233.1	2719.4	3354.4	4454.1	5930.1	7491.5	8724.3	9515.3
51°	1870.0	1724.2	1906.1	2106.3	2707.9	3358.1	4456.6	5948.3	7504.6	8733.4	9476.0
52°	1756.3	1671.3	1784.8	2089.2	2616.9	3351.0	4466.9	5946.7	7509.2	8734.7	9434.0
53°	1720.8	1660.6	1754.5	2099.4	2575.4	3373.6	4479.7	5897.3	7514.4	8725.6	9382.9
54°	1710.6	1638.9	1743.8	2108.7	2581.8	3376.0	4462.8	5852.3	7506.6	8702.6	9323.9
55°	1688.2	1464.7	1712.8	2015.5	2581.4	3376.8	4458.9	5835.7	7486.3	8671.2	9261.7
56°	1546.5	1463.8	1580.0	1978.6	2563.6	3372.1	4443.5	5824.4	7462.7	8637.7	9187.6
57°	1549.4	1378.6	1584.8	1979.3	2461.4	3313.8	4432.6	5807.8	7445.6	8594.5	9097.2
58°	1452.5	1294.5	1479.1	1915.1	2489.2	3305.7	4371.9	5766.1	7424.0	8541.4	8988.4
59°	1395.9	1298.0	1433.2	1852.8	2523.2	3306.0	4347.4	5726.2	7395.2	8479.1	8863.2
60°	1347.4	1109.9	1386.6	1863.9	2545.6	3301.3	4311.7	5674.8	7350.6	8401.8	8725.6
61°	1298.9	1112.3	1339.9	1766.3	2466.6	3277.4	4267.0	5632.0	7293.6	8314.6	8576.1
62°	1247.2	942.9	1291.0	1758.4	2463.0	3238.2	4216.9	5560.4	7199.2	8208.5	8409.7
63°	1085.0	936.3	1127.1	1709.0	2457.0	3235.4	4158.0	5474.2	7077.3	8084.0	8219.0
64°	1074.5	731.5	1104.8	1656.4	2426.8	3203.9	4093.9	5366.3	6928.5	7941.7	7999.4
65°	911.4	648.1	947.2	1590.6	2436.3	3124.3	4029.8	5258.8	6789.0	7779.9	7748.4
66°	792.0	524.6	816.2	1579.8	2396.4	3136.1	3951.1	5102.2	6632.3	7597.0	7473.2
67°	720.6	349.3	713.2	1496.9	2390.0	3155.8	3849.9	4932.4	6450.1	7391.9	7167.8
68°	570.0	174.1	588.3	1429.4	2383.4	3167.1	3723.0	4679.4	6241.3	7154.0	6847.9
69°	379.1	0.4	395.9	1362.0	2374.8	3100.8	3574.4	4402.5	5981.1	6885.3	6502.6
70°	367.2	0.3	380.9	1296.0	2386.2	3013.8	3346.5	3998.8	5665.5	6578.6	6127.1
71°	366.4	0.3	367.5	1277.2	2374.9	2932.4	3053.4	3529.8	5255.6	6242.2	5723.1
72°	348.7	0.3	340.2	1261.3	2420.7	2848.8	2778.9	3098.9	4814.5	5878.3	5326.0
73°	313.4	0.3	290.7	1212.2	2381.9	2715.5	2570.2	2710.7	4279.5	5461.7	4919.5
74°	269.9	0.3	230.6	1193.6	2327.0	2593.2	2385.5	2300.3	3709.4	4982.5	4505.8
75°	216.5	0.3	190.5	1144.7	2270.8	2499.6	2103.3	1746.8	3115.2	4440.7	4049.8
76°	162.8	0.3	176.1	1071.0	2150.5	2411.2	1594.0	1080.8	2458.0	3850.9	3545.7
77°	123.7	0.4	196.1	974.6	1973.8	2318.6	1084.6	521.0	1696.5	3199.4	2904.0
78°	133.7	0.4	224.1	861.2	1748.0	2121.9	580.8	342.0	962.4	2496.4	2082.2
79°	184.8	0.5	180.7	767.7	1476.8	1602.7	242.9	172.8	707.4	1812.1	1262.7
80°	194.0	0.5	137.3	717.9	1205.6	1083.5	181.6	146.5	457.8	1171.7	643.9
81°	155.5	0.6	93.9	671.6	938.0	564.5	121.4	127.5	208.3	640.0	516.5
82°	117.0	0.7	49.9	572.8	783.6	416.9	97.5	110.1	173.1	476.5	402.8
83°	78.7	0.8	26.3	369.9	606.9	269.4	79.1	93.6	149.0	325.3	289.0
84°	45.8	0.9	20.9	266.8	397.7	122.7	64.2	77.4	126.7	174.1	253.8
85°	27.8	1.1	15.5	163.6	284.3	101.6	50.7	61.8	104.1	137.0	220.9
86°	21.4	1.2	10.3	63.1	170.8	81.4	38.6	46.4	81.2	108.9	187.0
87°	15.0	1.4	8.7	36.9	58.2	60.3	28.2	31.0	61.0	85.0	148.6
88°	8.7	1.5	7.1	25.6	40.0	41.4	19.9	18.2	44.1	64.2	101.3
89°	5.4	1.7	4.9	14.3	21.7	22.6	11.6	7.9	27.4	50.0	57.1

REPORT NUMBER: P1445093

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: P1445093

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: P1445093
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: P1445093

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	4139.9	4139.9	4139.9
1°	4231.2	4241.5	4246.8
2°	4336.6	4359.6	4367.9
3°	4450.7	4487.4	4499.0
4°	4576.3	4629.8	4646.6
5°	4714.1	4785.0	4808.0
6°	4862.5	4955.6	4984.9
7°	5024.4	5137.2	5174.8
8°	5193.6	5332.4	5379.5
9°	5379.3	5542.2	5599.7
10°	5574.0	5767.4	5834.0
11°	5783.7	6008.8	6086.3
12°	6005.7	6263.0	6356.6
13°	6241.8	6537.2	6646.7
14°	6487.7	6824.3	6946.2
15°	6746.4	7120.6	7258.9
16°	7011.8	7426.0	7578.0
17°	7289.0	7736.6	7898.5
18°	7558.4	8044.0	8209.1
19°	7821.8	8336.9	8515.2
20°	8078.7	8619.4	8808.8
21°	8327.1	8888.7	9086.7
22°	8559.1	9138.4	9341.6
23°	8783.9	9385.5	9589.3
24°	9000.2	9625.4	9818.7
25°	9215.1	9850.2	10038.9
26°	9428.1	10059.2	10225.7
27°	9628.7	10237.5	10389.5
28°	9805.6	10392.2	10539.6
29°	9969.5	10549.5	10698.9
30°	10135.9	10726.4	10887.0
31°	10309.6	10888.9	11041.0
32°	10463.6	11006.2	11155.7
33°	10567.1	11061.3	11195.0
34°	10613.7	11047.5	11157.6
35°	10595.3	10963.0	11054.1
36°	10536.3	10841.1	10921.0
37°	10441.3	10715.3	10802.4
38°	10352.2	10634.0	10736.9
39°	10293.9	10588.1	10698.9
40°	10257.2	10562.6	10670.7
41°	10233.6	10540.9	10637.9
42°	10208.0	10516.0	10596.0
43°	10182.4	10487.8	10542.9
44°	10156.9	10450.5	10478.0

REPORT NUMBER: P1445093

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10126.1	10399.4	10400.0
46°	10091.3	10335.8	10314.2
47°	10052.7	10266.3	10223.7
48°	10005.5	10191.0	10130.0
49°	9944.5	10114.9	10037.0
50°	9871.1	10036.3	9938.0
51°	9791.2	9949.1	9825.9
52°	9701.4	9848.2	9698.8
53°	9608.3	9725.7	9557.9
54°	9511.3	9580.8	9396.7
55°	9408.5	9409.8	9213.2
56°	9287.9	9215.1	9000.2
57°	9146.3	8998.2	8760.3
58°	8975.3	8741.3	8490.3
59°	8786.5	8462.8	8195.4
60°	8574.8	8160.6	7855.9
61°	8333.7	7817.9	7429.9
62°	8066.9	7403.0	6924.0
63°	7772.0	6924.0	6349.6
64°	7452.8	6402.0	5763.6
65°	7092.4	5885.4	5230.4
66°	6703.1	5404.4	4768.1
67°	6301.0	4972.6	4404.7
68°	5886.2	4580.6	4112.6
69°	5493.2	4230.8	3821.9
70°	5118.4	3885.3	3369.2
71°	4729.7	3458.8	2650.7
72°	4305.6	2863.8	1801.8
73°	3880.5	2113.4	1053.2
74°	3432.9	1400.8	594.7
75°	2866.3	852.4	496.1
76°	2257.1	684.3	410.0
77°	1726.2	517.6	323.9
78°	1304.2	350.8	289.3
79°	963.3	303.6	266.1
80°	650.3	271.2	245.2
81°	523.6	243.4	225.6
82°	398.4	220.2	206.8
83°	273.2	201.6	187.7
84°	228.8	179.7	168.0
85°	181.1	156.4	148.3
86°	144.6	135.0	127.8
87°	118.2	114.6	106.7
88°	93.7	94.7	87.4
89°	69.7	74.8	72.1

REPORT NUMBER: P1445093

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

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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: P1445093

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)