

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: P1445046

Luminaire Tested: XAS300-SFPM (3000K-180W-T4)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445046
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 (3000K-180W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 60% (180W)
OPTICS - TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 28755.2 lumens
Efficiency: 61.8%
Efficacy: 157.1 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 183
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

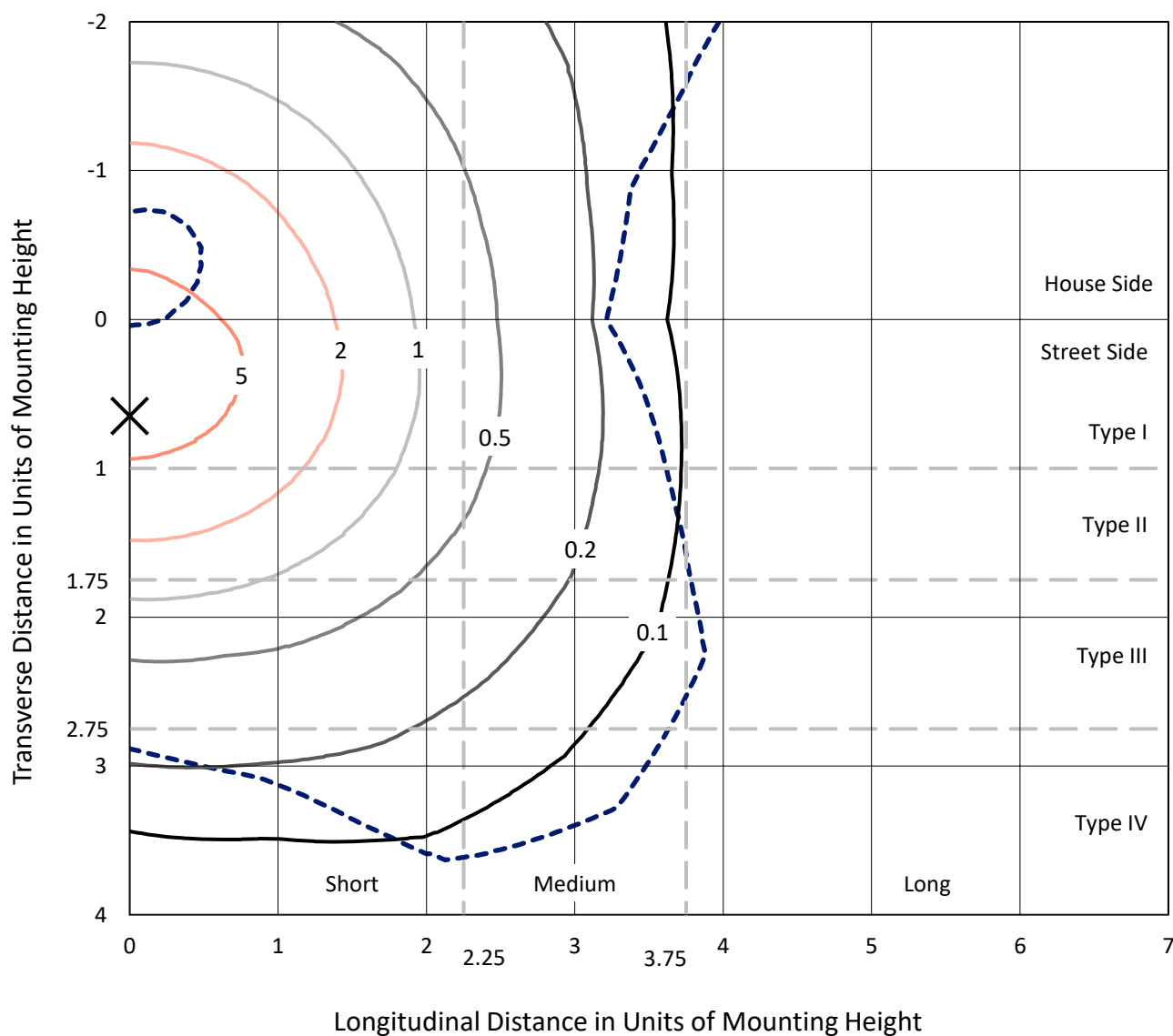
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

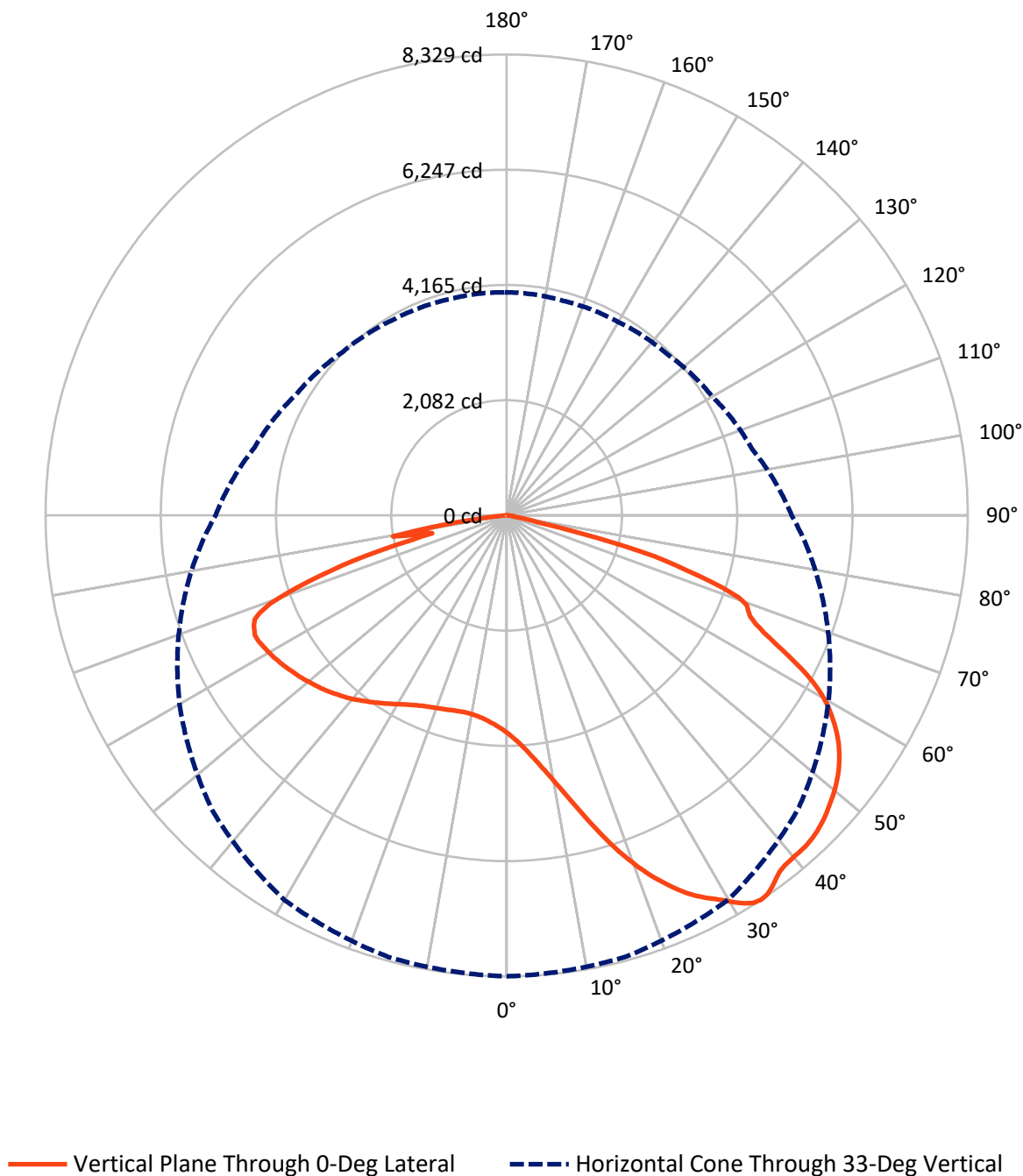


Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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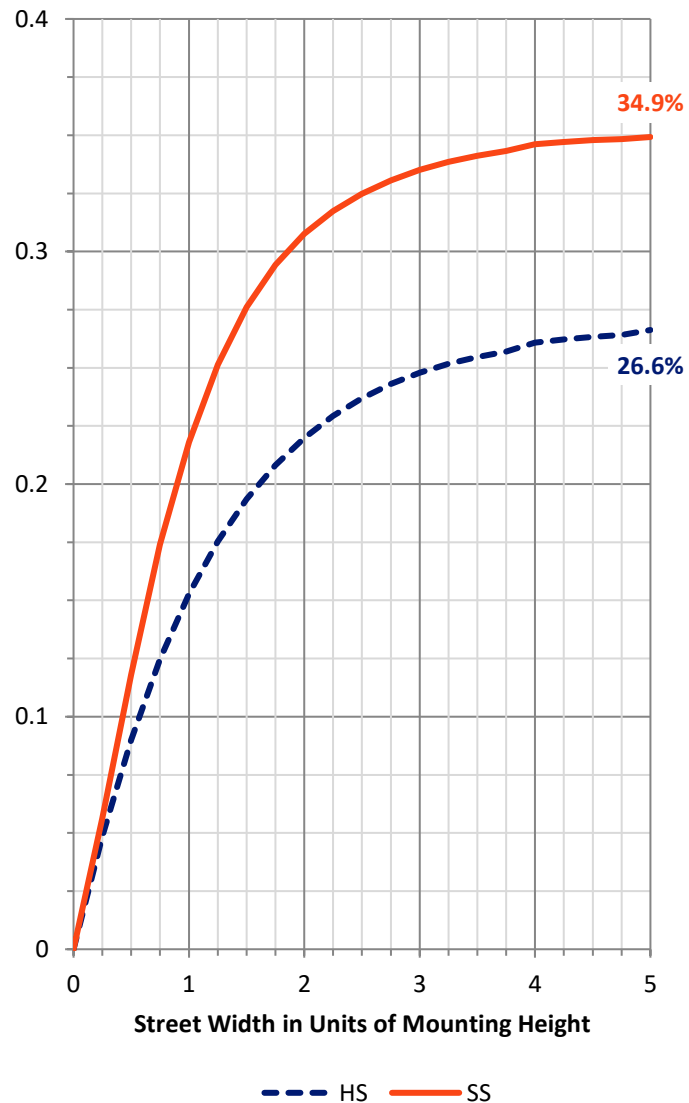
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12513.4	0.0	12513.4
	% Lamp	26.9	0.0	26.9
Street Side	Lumens	16241.9	0.0	16241.9
	% Lamp	34.9	0.0	34.9
Total	Lumens	28755.2	0.0	28755.2
	% Lamp	61.8	0.0	61.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	388.4	1.4	0.8
10°-20°	1285.1	4.5	2.8
20°-30°	2426.6	8.4	5.2
30°-40°	3656.9	12.7	7.9
40°-50°	4727.0	16.4	10.2
50°-60°	5661.5	19.7	12.2
60°-70°	6014.0	20.9	12.9
70°-80°	4121.1	14.3	8.9
80°-90°	474.7	1.7	1.0
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°	28755.2	100.0	61.8
0°-180°	28755.2	100.0	61.8

Coefficient of Utilization



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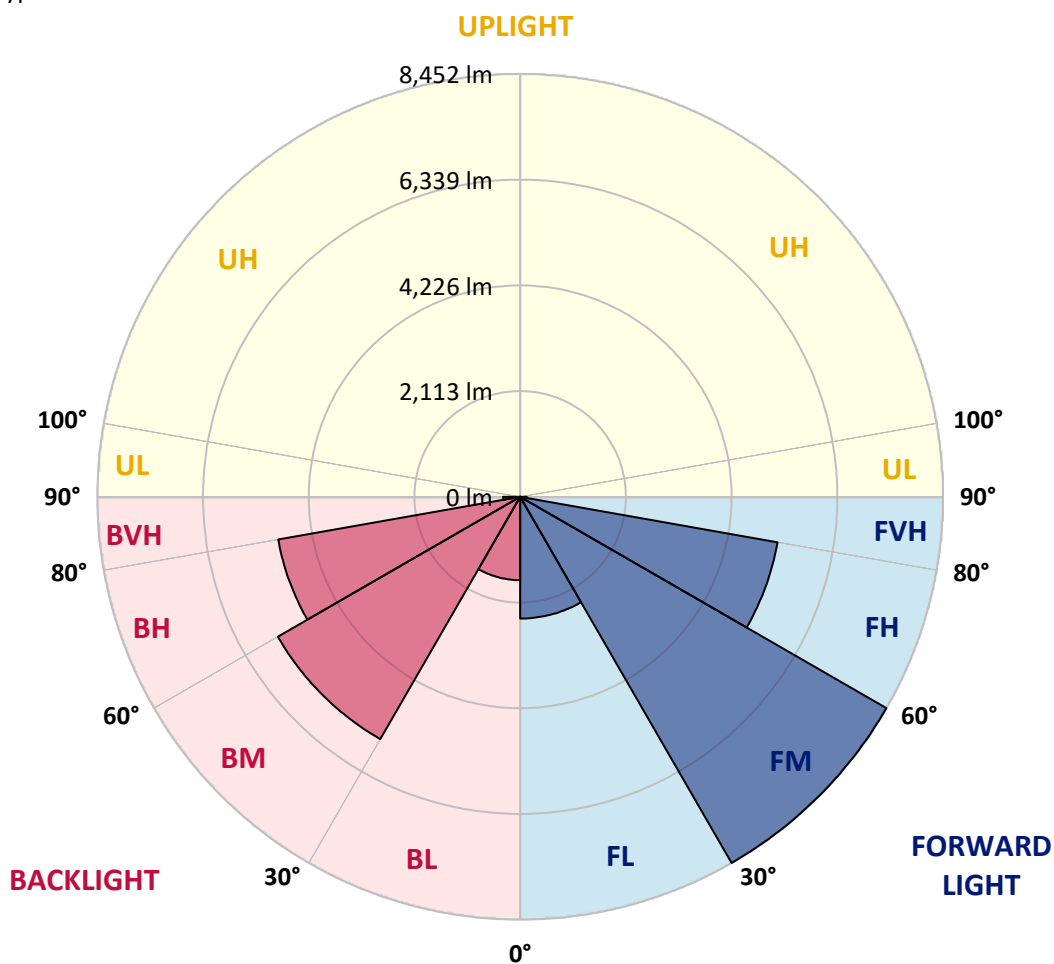
CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2433.6	5.2			
FM	(30°-60°)	8451.8	18.2			
FH	(60°-80°)	5224.8	11.2			G3/7500
FVH	(80°-90°)	131.6	0.3			G2/225
BL	(0°-30°)	1666.5	3.6	B3/2500		
BM	(30°-60°)	5593.5	12.0	B4/8500		
BH	(60°-80°)	4910.3	10.5	B4/5000		G4/5000
BVH	(80°-90°)	343.1	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		17805.8	38.2			

BUG Rating: B4-U0-G4

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8
1°	4006.1	4004.8	4000.6	3994.6	3983.7	3969.9	3942.3	3928.0	3915.7	3905.4	3898.6
2°	4072.5	4068.3	4057.3	4039.9	4014.6	3986.6	3944.1	3916.2	3890.8	3871.0	3857.6
3°	4147.7	4140.2	4120.9	4089.1	4050.0	4006.3	3949.3	3907.3	3870.4	3842.3	3823.0
4°	4232.0	4220.6	4191.6	4146.6	4090.4	4030.2	3956.9	3901.2	3854.3	3818.0	3793.4
5°	4324.9	4309.2	4268.2	4209.1	4137.0	4058.6	3968.7	3899.5	3841.4	3798.4	3768.7
6°	4427.8	4408.2	4357.7	4278.9	4187.2	4088.6	3982.5	3900.0	3831.2	3781.5	3745.6
7°	4539.0	4515.8	4451.5	4355.5	4240.8	4121.3	3997.1	3901.6	3824.4	3766.5	3725.3
8°	4657.4	4630.2	4553.6	4438.4	4298.7	4157.1	4014.7	3906.3	3819.9	3753.8	3708.8
9°	4788.4	4757.9	4665.8	4527.3	4362.2	4196.4	4034.9	3912.1	3816.0	3743.9	3695.2
10°	4930.0	4890.0	4783.1	4623.0	4430.7	4238.4	4058.1	3919.6	3812.9	3738.0	3685.7
11°	5083.4	5037.9	4912.3	4724.3	4502.9	4284.0	4082.3	3929.4	3812.0	3733.5	3679.6
12°	5248.2	5192.7	5047.6	4833.5	4580.2	4333.3	4109.3	3942.5	3814.3	3731.7	3676.8
13°	5426.1	5361.0	5194.6	4948.2	4661.4	4385.3	4141.3	3957.5	3819.6	3731.9	3677.5
14°	5613.7	5541.0	5347.0	5070.8	4750.0	4442.3	4176.9	3975.1	3826.4	3734.8	3681.2
15°	5808.9	5726.3	5505.7	5199.6	4841.5	4501.3	4213.6	3994.8	3835.3	3740.1	3686.9
16°	6009.8	5913.9	5670.2	5331.9	4939.2	4564.6	4253.4	4018.6	3846.7	3747.1	3694.8
17°	6207.9	6104.1	5838.1	5465.2	5039.8	4632.1	4296.8	4043.6	3861.6	3757.3	3705.5
18°	6403.7	6292.5	6005.2	5604.3	5142.9	4703.1	4342.9	4071.5	3877.9	3770.3	3718.2
19°	6594.5	6477.8	6173.0	5740.6	5247.3	4775.5	4389.0	4101.1	3897.1	3783.9	3731.9
20°	6780.4	6654.5	6333.9	5876.5	5354.1	4848.6	4437.1	4133.0	3917.8	3801.2	3748.2
21°	6954.6	6826.8	6493.3	6012.5	5462.8	4925.8	4487.3	4166.4	3940.5	3819.3	3763.7
22°	7119.5	6989.8	6642.7	6145.3	5570.3	5005.9	4538.1	4200.0	3965.3	3839.4	3781.7
23°	7272.0	7147.9	6790.3	6277.1	5680.9	5086.7	4588.7	4233.5	3991.0	3860.9	3800.4
24°	7419.6	7296.1	6931.7	6403.1	5785.9	5166.8	4637.8	4267.4	4017.7	3882.4	3820.4
25°	7560.4	7440.6	7071.3	6527.8	5891.8	5244.8	4687.6	4300.5	4045.2	3905.5	3840.8
26°	7679.6	7569.1	7206.0	6650.1	5994.4	5325.2	4739.2	4334.8	4073.9	3928.9	3861.5
27°	7789.0	7685.8	7336.9	6767.5	6096.7	5407.4	4790.9	4368.4	4102.7	3952.5	3883.3
28°	7887.1	7789.0	7457.3	6884.8	6198.1	5489.3	4844.9	4402.4	4131.9	3977.5	3905.2
29°	7992.1	7890.9	7571.6	6999.7	6295.6	5573.6	4901.8	4439.1	4162.8	4001.7	3929.7
30°	8116.9	8010.0	7683.3	7115.2	6393.2	5661.1	4961.4	4478.0	4194.0	4027.9	3954.5
31°	8221.3	8121.8	7806.2	7233.1	6495.1	5747.0	5022.3	4517.3	4226.2	4054.9	3981.1
32°	8299.1	8209.5	7919.9	7351.1	6600.1	5831.3	5086.2	4556.8	4259.0	4083.5	4008.1
33°	8329.3	8260.8	8014.4	7465.3	6713.7	5915.4	5148.6	4596.6	4291.8	4112.3	4034.9
34°	8312.0	8257.7	8078.0	7568.5	6824.3	6009.6	5213.8	4637.4	4322.0	4140.1	4061.5
35°	8252.8	8210.8	8089.7	7649.4	6920.6	6109.4	5281.4	4679.4	4353.0	4170.0	4091.0
36°	8174.3	8142.2	8060.7	7702.5	7007.1	6206.7	5351.7	4723.0	4384.5	4201.0	4122.5
37°	8108.2	8063.2	8011.3	7714.2	7071.9	6290.7	5421.2	4765.0	4418.6	4233.2	4158.7
38°	8077.4	8011.9	7960.0	7700.0	7122.0	6363.0	5493.8	4804.3	4453.0	4269.2	4196.2
39°	8066.2	7986.0	7923.0	7680.9	7145.4	6423.5	5568.1	4846.6	4488.3	4308.2	4235.5
40°	8062.5	7973.0	7905.1	7671.0	7152.8	6468.6	5635.3	4892.2	4525.4	4351.6	4276.5
41°	8059.5	7964.3	7899.5	7671.0	7164.0	6500.7	5692.4	4942.0	4564.4	4393.2	4316.9
42°	8050.2	7957.6	7898.9	7682.7	7185.6	6529.7	5739.2	4988.7	4606.6	4439.1	4358.8
43°	8032.3	7947.7	7898.3	7703.1	7212.1	6564.3	5777.4	5031.2	4651.7	4485.4	4398.5
44°	8003.9	7935.3	7895.8	7726.6	7244.2	6608.8	5815.0	5072.4	4699.6	4535.3	4438.0

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CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7966.2	7914.3	7890.2	7748.2	7280.7	6658.2	5855.9	5115.8	4747.2	4584.8	4476.2
46°	7919.9	7887.1	7881.0	7766.1	7321.4	6707.6	5900.3	5161.8	4797.3	4634.0	4513.7
47°	7869.9	7858.1	7869.9	7779.1	7362.8	6758.8	5942.8	5212.7	4846.7	4681.8	4552.8
48°	7816.7	7825.4	7855.0	7788.3	7403.0	6810.7	5986.6	5266.6	4896.5	4729.7	4591.2
49°	7761.8	7791.4	7834.0	7794.5	7443.1	6860.7	6027.9	5320.7	4948.6	4776.6	4633.3
50°	7702.5	7756.2	7808.7	7797.0	7480.2	6910.7	6066.7	5377.2	5000.6	4823.0	4675.7
51°	7635.2	7715.5	7778.5	7796.4	7514.1	6957.1	6102.0	5433.6	5051.9	4870.3	4722.2
52°	7559.8	7665.4	7743.9	7792.0	7548.7	7003.4	6134.0	5489.8	5103.2	4918.9	4771.3
53°	7476.5	7609.2	7706.8	7787.1	7577.7	7044.1	6162.7	5543.6	5157.0	4969.5	4823.4
54°	7382.6	7537.0	7666.7	7776.6	7602.4	7081.8	6191.9	5594.2	5213.2	5023.0	4878.5
55°	7278.2	7452.4	7622.2	7762.4	7624.1	7115.2	6218.4	5641.9	5269.5	5078.4	4935.2
56°	7159.6	7354.8	7567.2	7740.8	7641.3	7144.2	6243.8	5687.6	5326.9	5137.7	4991.2
57°	7025.6	7242.4	7501.2	7712.4	7652.5	7168.9	6266.0	5731.8	5386.2	5201.7	5047.0
58°	6876.8	7112.7	7420.3	7678.4	7656.8	7188.0	6282.7	5771.8	5448.2	5269.2	5100.7
59°	6718.1	6965.1	7330.7	7640.1	7653.1	7199.2	6295.0	5808.2	5507.2	5338.0	5150.3
60°	6527.8	6800.2	7227.0	7594.4	7640.1	7201.6	6301.2	5840.9	5566.6	5410.3	5197.6
61°	6291.9	6608.1	7111.5	7537.6	7616.0	7189.9	6298.7	5866.4	5628.1	5485.2	5250.4
62°	6011.2	6377.8	6981.8	7469.7	7587.6	7164.0	6287.6	5885.7	5690.8	5561.9	5303.9
63°	5696.1	6111.8	6833.6	7388.1	7547.5	7132.5	6273.4	5901.0	5753.0	5639.3	5357.0
64°	5384.2	5830.4	6668.0	7294.3	7492.5	7086.8	6250.6	5906.0	5812.4	5719.0	5407.2
65°	5113.5	5567.1	6488.9	7184.3	7428.3	7028.1	6214.7	5904.5	5869.6	5796.1	5455.9
66°	4898.5	5325.9	6296.3	7059.6	7349.9	6960.8	6159.8	5897.5	5918.0	5872.8	5505.7
67°	4761.0	5123.8	6107.7	6913.2	7246.1	6865.0	6078.7	5868.2	5962.3	5942.3	5550.6
68°	4690.5	4975.6	5927.4	6747.1	7123.2	6735.4	5949.2	5813.6	5999.6	6009.8	5591.3
69°	4629.3	4871.6	5760.6	6563.0	6968.8	6566.8	5744.9	5711.3	6024.5	6068.4	5613.1
70°	4456.2	4780.3	5605.7	6364.2	6781.1	6329.6	5428.9	5534.1	6022.5	6120.1	5625.7
71°	4112.4	4619.3	5470.0	6160.9	6560.6	6008.4	4974.9	5270.4	5981.8	6155.7	5626.4
72°	3654.0	4341.2	5337.1	5953.6	6304.3	5611.1	4478.5	4925.7	5892.0	6171.5	5589.4
73°	3195.0	3950.9	5185.5	5752.4	6006.9	5147.2	4017.3	4536.9	5735.9	6145.8	5519.5
74°	2770.2	3516.6	4998.2	5543.5	5661.7	4664.9	3596.8	4167.2	5531.4	6068.2	5402.7
75°	2152.8	3039.1	4755.3	5291.0	5280.7	4157.6	3105.6	3812.3	5283.6	5923.0	5186.8
76°	1316.6	2447.5	4413.9	5005.5	4862.8	3607.7	2374.7	3360.9	5030.5	5690.9	4892.7
77°	582.7	1616.7	3975.3	4603.3	4392.8	2892.7	1541.6	2667.6	4747.7	5310.5	4564.9
78°	437.9	782.5	3416.2	4063.3	3825.3	1987.3	713.9	1896.0	4392.6	4750.0	4152.3
79°	303.3	571.2	2699.1	3385.6	3148.9	1096.6	289.9	1124.2	3815.6	4004.9	3592.8
80°	168.6	372.2	1742.1	2560.9	2346.3	501.6	193.0	361.4	2917.1	3188.7	3018.4
81°	147.0	173.3	882.3	1680.1	1430.8	345.0	166.7	218.6	2066.1	2461.1	2539.3
82°	129.4	148.4	644.9	821.4	662.7	198.0	146.7	178.5	1215.1	1856.3	2235.3
83°	112.2	128.2	415.7	608.8	478.3	162.8	126.7	151.5	380.6	1481.7	2083.1
84°	95.0	108.3	186.5	402.9	311.5	136.3	106.6	124.4	250.5	1107.2	1578.2
85°	77.3	88.5	138.3	197.0	144.6	110.8	88.0	97.4	201.7	734.1	1073.4
86°	58.0	69.9	101.4	160.8	110.6	85.2	69.2	76.3	162.0	451.8	579.1
87°	42.0	52.6	75.7	123.1	83.7	62.3	49.9	57.3	122.3	314.3	404.3
88°	26.1	35.3	52.3	80.7	59.9	43.5	31.9	40.5	83.0	176.8	229.5
89°	10.2	18.0	29.0	42.9	33.5	24.7	22.3	28.2	56.6	39.5	58.3

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CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046
CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8	3948.8
1°	3895.6	3895.8	3901.0	3908.8	3920.8	3933.9	3947.8	3948.3	3962.1	3975.1	3987.6
2°	3850.9	3850.5	3857.5	3871.3	3890.5	3915.0	3941.6	3956.2	3984.5	4011.3	4035.4
3°	3813.0	3810.7	3819.9	3837.7	3863.7	3898.3	3937.3	3966.1	4009.7	4051.7	4089.6
4°	3780.1	3778.1	3788.1	3809.1	3841.9	3884.8	3935.4	3978.0	4037.0	4095.9	4150.5
5°	3751.7	3748.2	3760.6	3785.2	3823.1	3873.8	3935.3	3991.6	4066.2	4142.5	4216.0
6°	3724.7	3721.3	3735.0	3763.2	3806.8	3865.1	3938.3	4008.3	4098.6	4194.4	4286.8
7°	3701.7	3697.2	3712.1	3744.3	3791.7	3857.9	3941.7	4026.2	4134.3	4250.3	4362.7
8°	3682.1	3676.7	3693.3	3728.8	3779.7	3852.1	3946.6	4045.5	4172.3	4310.4	4444.2
9°	3667.0	3660.5	3678.4	3714.8	3771.3	3848.2	3953.6	4067.1	4213.7	4374.3	4532.2
10°	3654.7	3648.6	3666.2	3704.6	3764.2	3846.6	3964.4	4093.3	4258.2	4443.5	4627.8
11°	3647.5	3641.1	3658.6	3698.6	3759.7	3849.3	3977.9	4123.2	4308.3	4518.4	4730.0
12°	3645.3	3637.8	3654.9	3695.4	3759.3	3854.1	3994.3	4156.1	4362.5	4598.3	4839.0
13°	3646.1	3637.7	3655.7	3695.9	3761.8	3862.7	4013.6	4191.0	4420.3	4683.7	4958.9
14°	3648.7	3640.8	3658.7	3700.2	3766.2	3872.8	4034.9	4227.1	4479.8	4775.5	5083.0
15°	3654.9	3646.1	3663.6	3706.4	3774.0	3885.8	4058.0	4268.0	4543.5	4870.8	5214.7
16°	3663.1	3654.1	3671.7	3714.8	3785.9	3901.2	4083.6	4311.8	4610.0	4972.7	5351.3
17°	3672.6	3664.1	3682.5	3725.9	3799.3	3919.4	4111.4	4357.2	4681.0	5076.8	5490.4
18°	3684.7	3675.2	3695.4	3740.4	3814.0	3939.1	4142.1	4405.9	4753.0	5185.4	5635.0
19°	3698.3	3686.7	3709.7	3756.8	3831.2	3960.6	4173.8	4454.7	4827.9	5295.2	5774.7
20°	3711.7	3698.9	3724.7	3774.8	3850.1	3984.8	4208.7	4505.3	4905.8	5406.4	5916.9
21°	3724.5	3711.2	3741.2	3794.8	3871.7	4011.1	4244.5	4557.5	4987.0	5520.2	6054.5
22°	3738.5	3723.9	3757.9	3814.9	3894.0	4039.0	4281.5	4608.8	5067.4	5631.9	6189.4
23°	3753.8	3739.2	3775.3	3836.9	3917.3	4068.0	4318.5	4660.4	5150.5	5745.2	6321.0
24°	3771.7	3757.2	3794.2	3859.8	3940.4	4098.7	4356.7	4711.5	5232.7	5855.9	6447.6
25°	3791.0	3777.1	3815.6	3884.6	3963.9	4130.4	4393.7	4764.6	5316.1	5965.2	6570.5
26°	3812.5	3800.5	3839.3	3909.0	3988.0	4161.3	4431.7	4816.6	5400.4	6069.5	6690.9
27°	3836.7	3826.9	3865.0	3932.6	4012.8	4193.0	4469.6	4871.6	5484.6	6174.8	6813.8
28°	3863.0	3855.8	3893.5	3956.5	4039.4	4225.3	4509.0	4929.8	5571.2	6277.1	6939.2
29°	3891.7	3887.1	3923.2	3982.0	4066.5	4256.7	4550.2	4990.2	5660.6	6381.5	7059.6
30°	3921.3	3921.5	3953.0	4007.2	4094.7	4288.7	4592.8	5053.8	5751.2	6490.2	7178.8
31°	3950.7	3955.7	3982.5	4033.2	4123.8	4320.2	4635.9	5120.6	5846.2	6603.8	7306.6
32°	3980.9	3993.6	4012.7	4059.4	4152.7	4352.2	4677.6	5186.8	5942.9	6715.0	7417.8
33°	4011.9	4031.8	4043.3	4086.4	4182.0	4383.0	4719.8	5257.9	6043.4	6822.4	7524.6
34°	4043.5	4068.8	4073.6	4113.3	4210.4	4411.9	4763.1	5329.1	6137.8	6922.5	7611.1
35°	4075.3	4108.0	4105.1	4142.5	4239.5	4441.9	4807.3	5400.2	6226.5	7010.8	7671.6
36°	4107.8	4148.9	4137.1	4174.2	4269.0	4473.6	4850.2	5468.0	6311.1	7080.0	7697.5
37°	4141.2	4188.4	4168.0	4210.3	4302.0	4505.9	4890.1	5539.2	6383.3	7121.3	7700.0
38°	4172.1	4227.2	4197.6	4248.5	4340.1	4539.8	4930.2	5605.6	6438.3	7141.1	7685.2
39°	4202.2	4268.5	4227.1	4289.4	4381.0	4575.8	4966.8	5665.0	6477.8	7153.5	7669.8
40°	4234.1	4309.9	4258.0	4330.4	4423.8	4611.7	5006.1	5717.3	6505.6	7166.4	7666.1
41°	4266.6	4347.7	4291.6	4371.7	4469.4	4650.5	5044.0	5764.9	6531.6	7185.6	7677.8
42°	4299.9	4386.1	4327.0	4412.1	4517.7	4691.0	5085.6	5809.4	6566.8	7210.9	7701.9
43°	4334.1	4422.6	4363.2	4451.5	4566.7	4733.3	5133.0	5854.4	6614.3	7241.8	7729.7
44°	4368.8	4458.7	4401.2	4491.4	4614.3	4781.3	5183.1	5898.3	6666.8	7280.7	7755.6

REPORT NUMBER: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4405.3	4494.4	4439.2	4530.8	4661.9	4831.5	5233.1	5940.5	6716.8	7325.1	7777.8
46°	4443.3	4528.6	4479.9	4570.9	4708.5	4884.5	5281.6	5983.0	6765.6	7373.3	7796.4
47°	4485.0	4564.7	4522.4	4610.3	4755.2	4940.6	5334.1	6026.8	6814.4	7420.9	7809.3
48°	4530.8	4595.6	4567.8	4649.9	4800.5	4998.8	5392.4	6065.3	6866.9	7464.1	7818.0
49°	4579.0	4626.9	4615.1	4692.0	4846.6	5055.2	5450.5	6100.4	6919.4	7503.6	7824.8
50°	4626.5	4657.9	4665.0	4736.9	4893.6	5110.2	5508.7	6131.9	6967.6	7538.2	7827.9
51°	4675.6	4691.4	4714.2	4784.2	4941.1	5162.4	5565.8	6161.3	7013.3	7569.7	7827.9
52°	4725.7	4722.8	4765.6	4834.9	4991.4	5214.3	5620.8	6191.9	7054.0	7598.1	7825.4
53°	4776.0	4752.3	4816.0	4888.2	5042.9	5268.2	5671.1	6219.1	7090.5	7623.4	7821.1
54°	4825.9	4780.6	4864.5	4942.9	5097.6	5323.2	5716.9	6245.0	7121.3	7644.4	7811.8
55°	4871.0	4810.0	4907.8	5000.6	5156.4	5380.8	5758.8	6266.0	7146.7	7658.6	7798.2
56°	4910.0	4838.6	4946.2	5058.0	5218.7	5439.9	5797.1	6285.1	7165.2	7670.4	7776.6
57°	4942.6	4866.9	4982.0	5116.5	5284.8	5497.5	5831.9	6302.4	7173.8	7674.7	7748.2
58°	4974.4	4894.2	5014.2	5168.7	5355.4	5555.2	5863.6	6313.5	7178.8	7668.5	7706.2
59°	5004.3	4921.1	5044.0	5217.0	5427.7	5612.7	5890.2	6316.6	7175.7	7654.9	7660.5
60°	5032.3	4944.4	5069.8	5266.4	5502.3	5668.1	5910.1	6312.9	7160.3	7635.8	7605.5
61°	5055.4	4966.0	5091.5	5320.9	5578.1	5723.3	5922.9	6308.6	7134.9	7609.2	7548.1
62°	5074.0	4988.5	5111.5	5375.6	5655.6	5780.9	5929.0	6299.3	7101.6	7569.1	7480.2
63°	5095.7	5009.4	5133.3	5423.3	5730.5	5837.5	5931.2	6277.1	7057.1	7516.6	7397.4
64°	5115.3	5030.9	5156.4	5467.4	5808.7	5890.7	5925.6	6243.1	7000.3	7450.5	7293.7
65°	5133.4	5034.8	5172.2	5512.4	5884.6	5941.5	5910.3	6185.1	6921.9	7368.4	7169.5
66°	5143.5	5008.5	5171.1	5559.5	5954.7	5986.7	5875.9	6093.4	6816.3	7266.5	7025.0
67°	5138.3	4978.8	5158.3	5598.4	6022.0	6014.4	5813.3	5970.1	6676.1	7149.1	6867.5
68°	5123.4	4926.6	5139.3	5630.1	6079.5	6017.9	5715.2	5769.5	6496.4	7002.8	6695.2
69°	5078.0	4790.7	5085.5	5646.6	6127.2	5998.8	5561.4	5454.7	6267.2	6824.9	6511.2
70°	4977.7	4560.7	4967.8	5647.9	6161.9	5952.9	5312.7	5010.6	5953.0	6613.1	6308.0
71°	4798.9	4211.2	4767.2	5627.0	6178.9	5864.7	4962.0	4496.1	5538.5	6355.5	6093.9
72°	4509.2	3782.1	4454.4	5576.0	6163.6	5736.3	4577.2	4036.9	5072.5	6070.0	5878.2
73°	4107.5	3341.7	4068.7	5494.5	6086.0	5542.8	4218.6	3623.5	4572.8	5719.7	5652.9
74°	3670.0	2900.6	3629.5	5338.7	5937.0	5312.7	3875.6	3152.5	4082.3	5313.4	5409.8
75°	3215.4	2348.5	3158.4	5090.2	5723.8	5071.7	3402.5	2425.1	3529.8	4859.8	5118.7
76°	2728.9	1768.1	2666.2	4795.3	5399.5	4812.0	2700.3	1512.6	2831.6	4382.2	4774.1
77°	2179.9	1384.2	2151.1	4451.2	4907.3	4463.7	1911.0	707.3	1955.1	3833.8	4294.4
78°	1819.8	1451.6	1846.1	4008.5	4236.9	3912.1	1121.8	516.6	1062.2	3171.3	3625.1
79°	1882.2	1830.7	1985.3	3433.1	3495.8	3072.3	334.5	345.3	472.3	2405.8	2837.8
80°	2262.0	2089.5	2352.8	2839.1	2768.2	2170.6	218.1	174.0	335.6	1516.5	1965.1
81°	2393.6	1620.5	2346.6	2316.2	2150.5	1268.8	179.4	149.4	200.1	722.6	1087.3
82°	1810.3	1151.5	1761.1	2100.8	1711.6	384.6	153.9	130.2	165.6	527.6	784.5
83°	1227.0	684.3	1175.6	1655.7	1272.6	258.2	128.4	111.4	140.2	342.2	497.5
84°	646.2	365.1	593.1	1210.7	835.5	211.8	103.1	92.6	116.3	156.9	210.5
85°	341.5	220.2	330.3	765.7	486.4	172.4	82.1	72.8	90.7	117.3	177.2
86°	273.6	77.1	264.6	426.0	342.5	133.0	63.3	54.6	68.0	89.6	142.7
87°	205.6	52.0	198.9	341.0	198.6	93.7	45.8	36.6	48.8	65.6	101.4
88°	137.6	26.9	133.2	256.1	55.9	71.1	31.6	18.5	29.6	41.8	55.4
89°	69.6	2.4	67.5	171.1	29.5	48.5	17.4	6.2	10.5	31.8	41.7

REPORT NUMBER: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046
CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	3948.8	3948.8	3948.8
1°	3995.9	4003.3	4006.1
2°	4055.2	4068.6	4072.5
3°	4121.6	4141.6	4147.7
4°	4194.8	4222.9	4232.0
5°	4274.3	4312.6	4324.9
6°	4362.0	4411.5	4427.8
7°	4456.7	4518.6	4539.0
8°	4557.8	4632.9	4657.4
9°	4667.8	4758.1	4788.4
10°	4786.5	4895.5	4930.0
11°	4914.4	5042.1	5083.4
12°	5050.8	5197.9	5248.2
13°	5199.1	5367.0	5426.1
14°	5351.3	5544.3	5613.7
15°	5511.0	5729.1	5808.9
16°	5679.9	5921.7	6009.8
17°	5854.6	6113.4	6207.9
18°	6027.4	6308.0	6403.7
19°	6195.0	6492.0	6594.5
20°	6358.6	6669.3	6780.4
21°	6517.3	6836.6	6954.6
22°	6668.7	6997.2	7119.5
23°	6813.2	7155.9	7272.0
24°	6954.6	7308.5	7419.6
25°	7095.4	7455.5	7560.4
26°	7235.0	7589.5	7679.6
27°	7370.2	7707.4	7789.0
28°	7491.3	7809.9	7887.1
29°	7606.1	7916.2	7992.1
30°	7722.3	8032.9	8116.9
31°	7837.7	8141.0	8221.3
32°	7946.4	8220.0	8299.1
33°	8024.9	8258.9	8329.3
34°	8066.2	8251.5	8312.0
35°	8066.9	8202.7	8252.8
36°	8039.7	8128.0	8174.3
37°	7989.0	8055.1	8108.2
38°	7943.3	8007.0	8077.4
39°	7920.5	7986.0	8066.2
40°	7912.5	7975.5	8062.5
41°	7910.6	7970.5	8059.5
42°	7910.6	7965.0	8050.2
43°	7911.2	7958.2	8032.3
44°	7911.2	7946.4	8003.9

REPORT NUMBER: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7909.4	7926.1	7966.2
46°	7905.7	7898.9	7919.9
47°	7897.6	7868.6	7869.9
48°	7885.9	7835.9	7816.7
49°	7865.5	7801.9	7761.8
50°	7840.8	7769.2	7702.5
51°	7809.3	7730.9	7635.2
52°	7772.9	7683.3	7559.8
53°	7734.6	7626.5	7476.5
54°	7695.1	7553.7	7382.6
55°	7650.0	7468.4	7278.2
56°	7595.6	7370.2	7159.6
57°	7528.3	7256.0	7025.6
58°	7445.6	7124.4	6876.8
59°	7354.2	6975.0	6718.1
60°	7249.2	6811.9	6527.8
61°	7126.9	6626.0	6291.9
62°	6993.5	6403.1	6011.2
63°	6852.7	6142.9	5696.1
64°	6696.4	5859.0	5384.2
65°	6521.7	5594.3	5113.5
66°	6333.3	5366.4	4898.5
67°	6146.8	5172.6	4761.0
68°	5961.5	5026.0	4690.5
69°	5800.6	4911.8	4629.3
70°	5659.5	4811.1	4456.2
71°	5513.5	4649.2	4112.4
72°	5346.8	4362.8	3654.0
73°	5188.8	3966.1	3195.0
74°	4987.6	3510.5	2770.2
75°	4688.6	3016.1	2152.8
76°	4292.9	2414.1	1316.6
77°	3835.6	1615.8	582.7
78°	3251.2	811.8	437.9
79°	2442.0	586.4	303.3
80°	1418.3	382.4	168.6
81°	678.2	178.5	147.0
82°	505.9	148.2	129.4
83°	337.9	129.3	112.2
84°	169.9	108.3	95.0
85°	124.0	87.0	77.3
86°	93.2	67.6	58.0
87°	68.3	50.0	42.0
88°	54.8	32.4	26.1
89°	41.7	14.9	10.2

REPORT NUMBER: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445046

CATALOG NUMBER: XAS300-SFPM (3000K-180W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)