

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: P1445077

Luminaire Tested: XAS300-SFPM (4000K-240W-T4-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445077
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 (4000K-240W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 32551.8 lumens
Efficiency: 84.1%
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

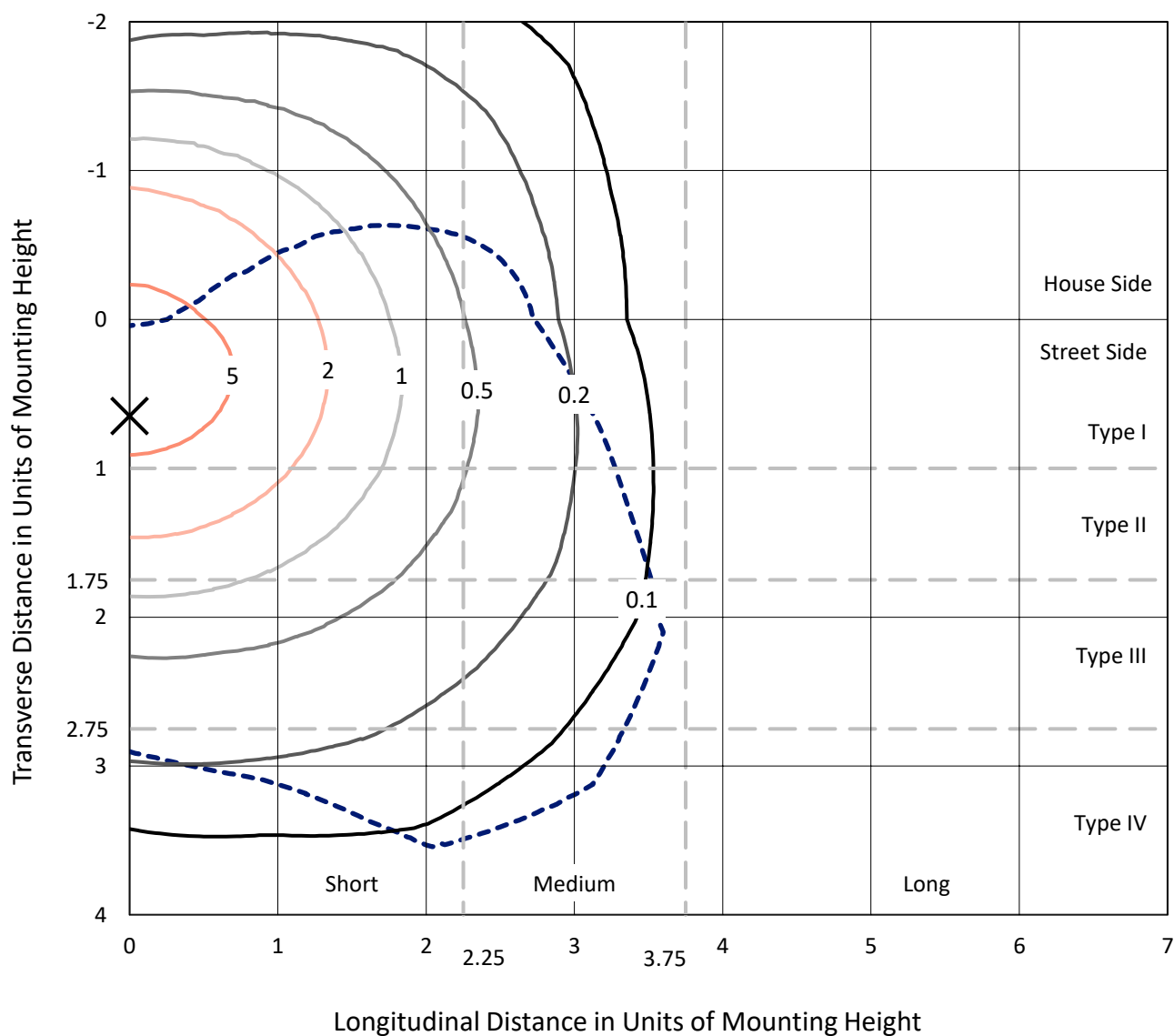
Input Watts (W): 233.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

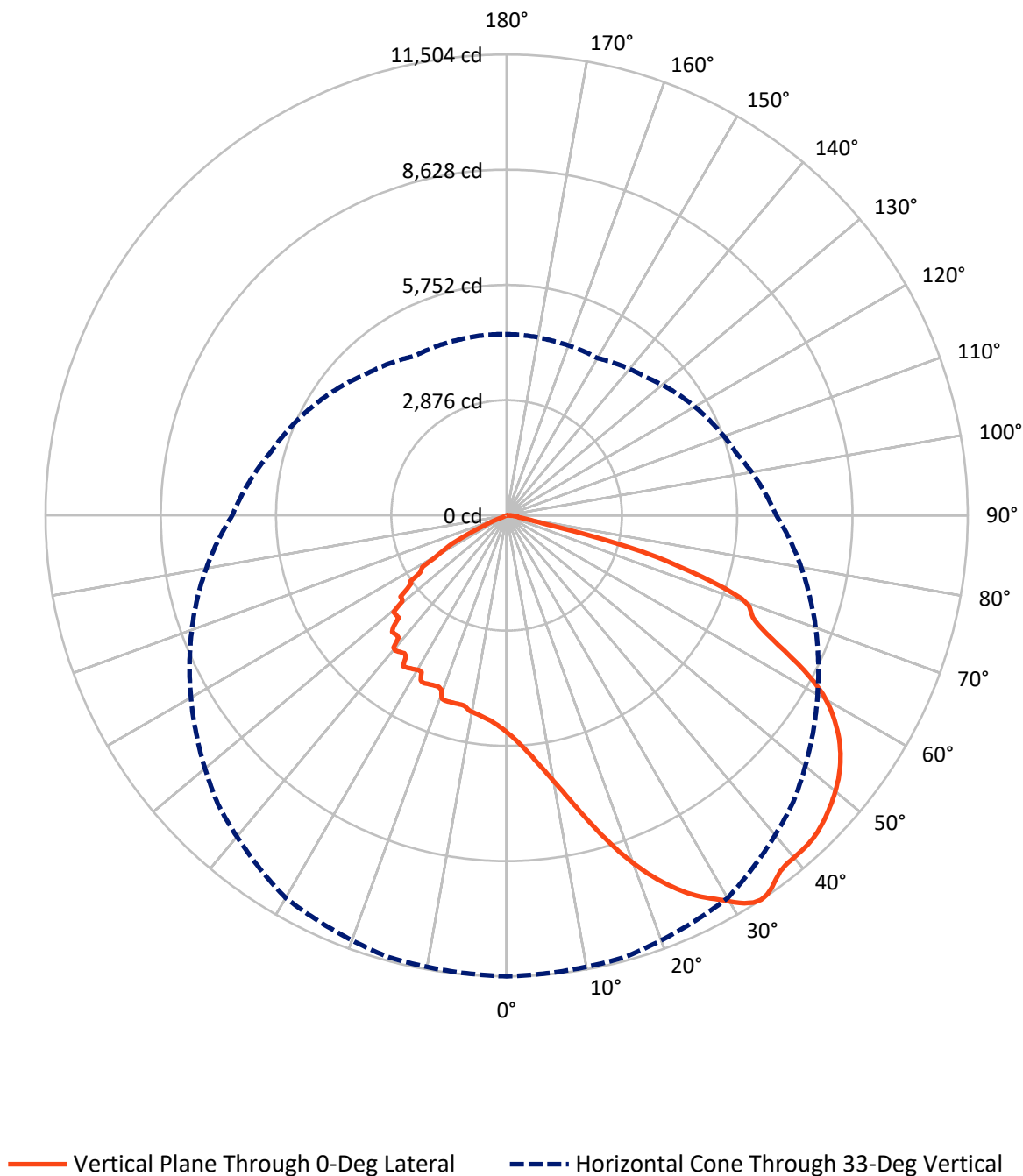


Based on 30 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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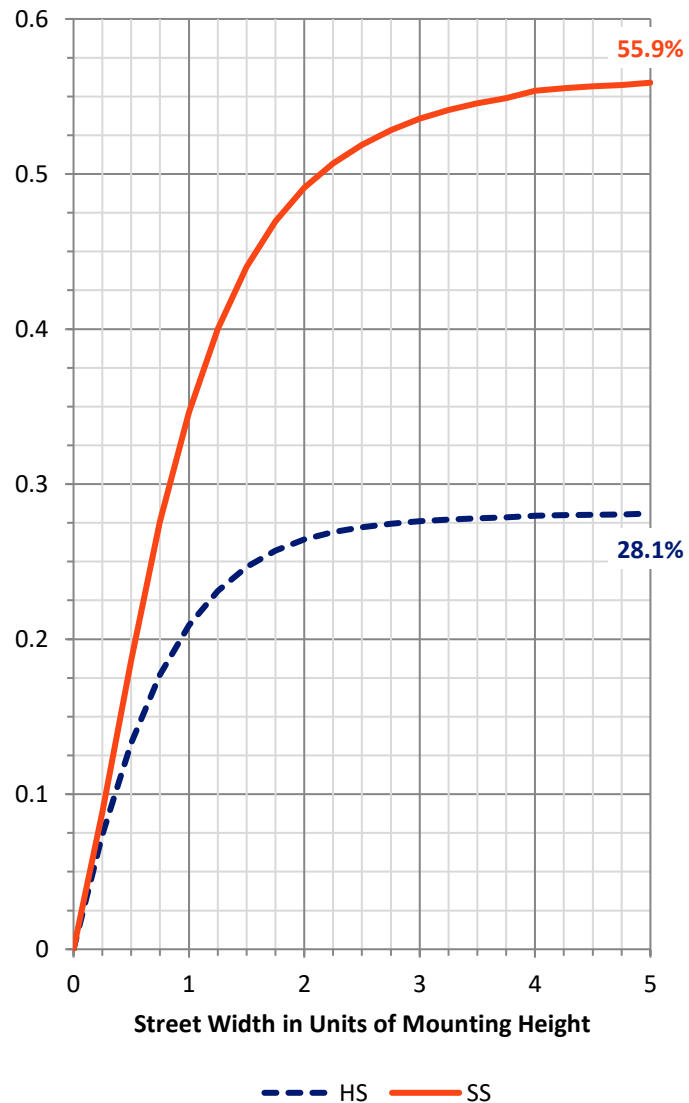
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10930.9	0.0	10930.9
	% Lamp	28.2	0.0	28.2
Street Side	Lumens	21620.9	0.0	21620.9
	% Lamp	55.9	0.0	55.9
Total	Lumens	32551.8	0.0	32551.8
	% Lamp	84.1	0.0	84.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	535.4	1.6	1.4
10°-20°	1754.6	5.4	4.5
20°-30°	3233.1	9.9	8.4
30°-40°	4715.0	14.5	12.2
40°-50°	5819.5	17.9	15.0
50°-60°	6499.6	20.0	16.8
60°-70°	6087.9	18.7	15.7
70°-80°	3610.3	11.1	9.3
80°-90°	296.4	0.9	0.8
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°	32551.8	100.0	84.1
0°-180°	32551.8	100.0	84.1

Coefficient of Utilization



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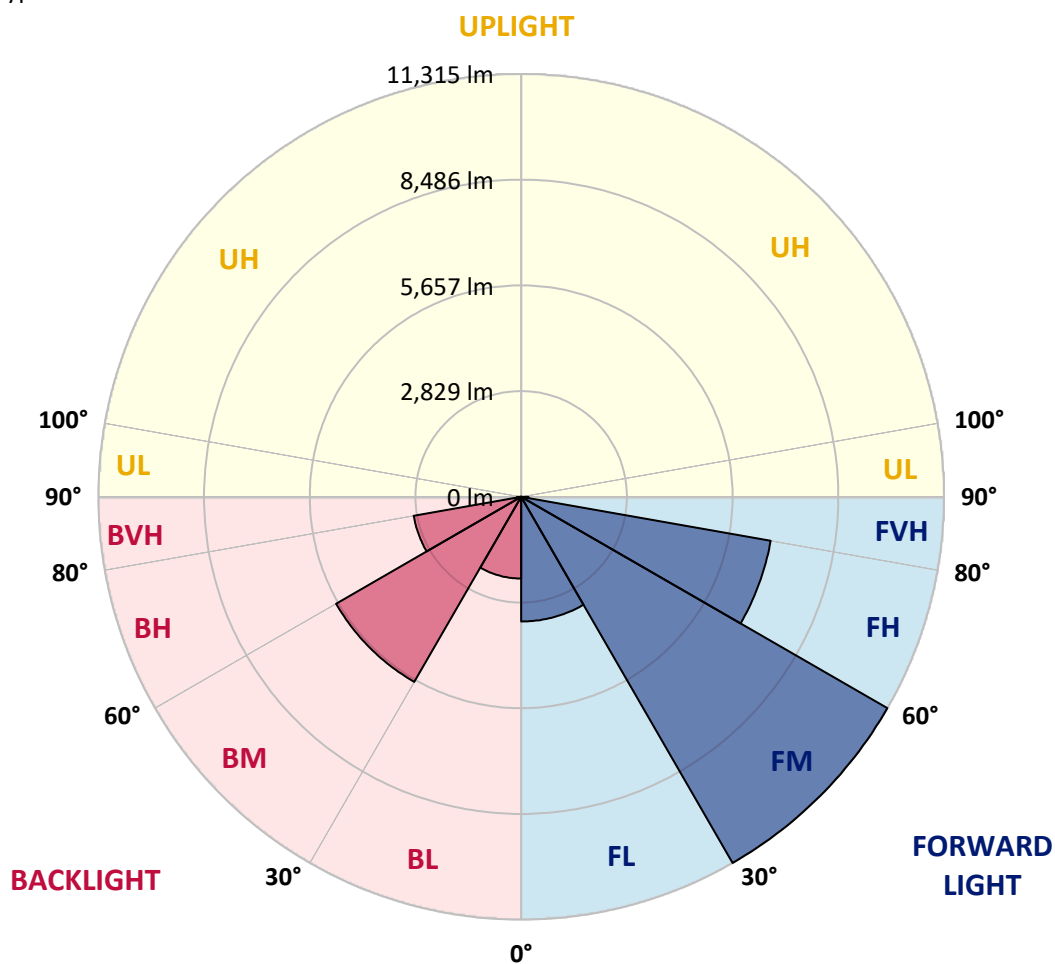
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3336.2	8.6			
FM	(30°-60°)	11314.6	29.2			
FH	(60°-80°)	6777.9	17.5			G3/7500
FVH	(80°-90°)	192.3	0.5			G2/225
BL	(0°-30°)	2187.0	5.7	B3/2500		
BM	(30°-60°)	5719.5	14.8	B4/8500		
BH	(60°-80°)	2920.3	7.5	B4/5000		G4/5000
BVH	(80°-90°)	104.1	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		6143.2	15.9			

BUG Rating: B4-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2
1°	5530.2	5530.6	5523.9	5513.3	5498.6	5478.4	5439.2	5418.6	5399.6	5385.6	5374.5
2°	5626.8	5623.1	5604.5	5576.8	5543.3	5502.3	5441.5	5400.7	5364.0	5334.3	5312.5
3°	5732.3	5724.5	5694.6	5650.4	5593.9	5530.8	5448.2	5387.5	5334.0	5289.7	5259.8
4°	5851.8	5837.9	5795.7	5732.8	5652.8	5566.7	5460.9	5379.8	5307.7	5251.3	5213.0
5°	5982.8	5963.3	5905.1	5821.3	5719.1	5607.8	5479.5	5377.3	5288.5	5219.7	5172.9
6°	6124.7	6099.2	6027.4	5921.1	5791.6	5651.7	5499.4	5378.4	5273.1	5192.0	5135.2
7°	6280.8	6250.8	6160.2	6029.5	5868.5	5698.2	5520.9	5380.4	5261.2	5167.9	5106.4
8°	6445.5	6408.9	6303.7	6145.4	5951.6	5749.7	5546.3	5385.4	5251.2	5149.5	5084.7
9°	6627.8	6582.1	6458.7	6269.5	6041.2	5805.7	5574.9	5391.9	5242.2	5138.0	5065.9
10°	6824.4	6770.9	6623.4	6402.2	6136.6	5864.8	5604.1	5399.7	5234.4	5128.8	5050.5
11°	7033.2	6971.4	6802.9	6546.3	6237.5	5928.6	5637.7	5410.7	5231.8	5121.7	5037.6
12°	7258.1	7186.4	6991.5	6697.3	6343.4	5995.8	5660.5	5412.2	5234.7	5116.0	5030.6
13°	7505.4	7418.9	7192.8	6858.9	6457.2	6052.2	5686.1	5415.0	5224.6	5112.5	5023.3
14°	7763.7	7663.2	7402.0	7026.5	6577.7	6113.5	5716.9	5419.1	5218.6	5113.2	4969.2
15°	8030.9	7920.1	7623.0	7198.1	6689.0	6178.8	5751.9	5431.3	5213.1	5102.1	4935.4
16°	8304.3	8175.3	7849.5	7379.1	6808.8	6251.2	5799.5	5453.4	5215.1	5084.3	4936.3
17°	8575.7	8438.5	8078.0	7564.0	6931.9	6331.6	5842.1	5469.4	5222.4	5042.8	4943.0
18°	8844.0	8695.1	8307.8	7752.4	7052.9	6418.5	5890.3	5492.6	5228.6	5018.0	4952.2
19°	9107.3	8946.7	8536.1	7936.7	7184.7	6501.1	5947.9	5527.5	5242.6	5017.5	4965.8
20°	9362.2	9194.0	8757.4	8102.9	7316.0	6589.2	6009.9	5565.7	5265.9	5021.7	4977.3
21°	9601.1	9430.4	8971.9	8282.8	7456.0	6686.6	6071.4	5596.4	5287.9	5029.5	4978.7
22°	9827.4	9654.1	9178.0	8445.3	7585.3	6790.4	6122.9	5608.0	5294.0	5049.6	4977.7
23°	10042.0	9872.0	9380.7	8605.1	7721.7	6896.4	6154.6	5628.8	5273.5	5068.8	4936.7
24°	10246.4	10077.3	9576.7	8764.1	7856.1	6991.8	6196.6	5666.5	5279.5	5078.1	4772.1
25°	10437.3	10278.3	9767.7	8923.9	7989.3	7078.3	6254.9	5688.7	5284.9	5088.2	4714.8
26°	10605.6	10454.2	9953.6	9076.2	8125.4	7152.3	6312.4	5712.1	5291.4	5104.7	4723.3
27°	10752.8	10614.0	10130.3	9225.1	8260.7	7237.1	6354.4	5751.0	5320.7	5106.9	4737.1
28°	10895.0	10757.9	10296.9	9371.5	8393.4	7337.0	6411.5	5790.7	5349.7	5010.0	4746.0
29°	11038.0	10903.4	10447.4	9508.6	8514.3	7444.4	6483.9	5823.0	5361.4	4917.7	4753.0
30°	11211.3	11069.1	10597.2	9649.9	8629.5	7537.3	6557.9	5842.3	5368.1	4873.8	4762.3
31°	11353.5	11221.4	10753.6	9803.9	8722.0	7628.4	6624.4	5869.0	5391.4	4864.6	4776.1
32°	11461.1	11341.7	10900.0	9964.6	8829.7	7723.4	6678.4	5908.7	5418.1	4870.1	4663.2
33°	11504.0	11411.5	11027.1	10116.0	8957.6	7829.1	6731.9	5945.6	5422.2	4889.2	4533.0
34°	11480.5	11403.9	11101.1	10254.8	9092.2	7941.6	6799.2	5968.1	5439.7	4910.9	4523.1
35°	11402.2	11339.2	11100.2	10358.3	9220.1	8056.2	6876.1	6001.6	5455.1	4926.1	4529.8
36°	11297.1	11244.9	11044.7	10423.9	9333.6	8162.4	6951.0	6042.7	5466.6	4930.0	4545.8
37°	11204.6	11138.9	10964.8	10435.7	9408.5	8243.9	7007.1	6073.1	5459.0	4924.8	4573.6
38°	11164.2	11071.6	10889.1	10412.9	9454.8	8319.2	7066.7	6101.1	5367.2	4800.1	4586.5
39°	11151.6	11039.7	10838.6	10381.8	9469.9	8384.7	7146.7	6127.5	5298.7	4731.9	4591.6
40°	11148.2	11022.8	10815.1	10362.5	9468.2	8431.8	7222.6	6155.0	5278.0	4762.6	4432.3
41°	11144.8	11013.6	10803.3	10355.7	9481.7	8468.0	7280.6	6174.4	5313.6	4794.5	4364.8
42°	11133.9	11004.3	10796.6	10354.1	9511.1	8504.2	7321.8	6185.3	5349.1	4794.3	4386.6
43°	11109.5	10993.4	10791.5	10362.5	9545.6	8536.1	7350.6	6221.0	5336.8	4805.4	4380.9
44°	11073.3	10976.6	10782.2	10378.5	9583.5	8569.8	7374.4	6255.9	5338.5	4835.4	4376.0

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	11022.0	10949.7	10767.9	10394.4	9618.8	8614.4	7403.5	6300.3	5368.5	4856.7	4374.6
46°	10963.1	10915.2	10749.4	10404.5	9654.1	8668.2	7432.8	6285.5	5402.1	4718.6	4161.5
47°	10895.0	10877.3	10727.6	10412.1	9689.5	8724.6	7455.0	6246.5	5409.2	4621.2	4106.0
48°	10824.3	10832.7	10703.2	10421.4	9724.0	8777.6	7496.9	6265.2	5405.0	4629.4	4121.6
49°	10748.6	10787.3	10672.0	10424.7	9764.3	8827.2	7544.7	6303.6	5306.2	4658.7	4121.3
50°	10666.2	10740.2	10635.9	10416.3	9794.6	8871.8	7587.4	6330.6	5258.9	4657.0	4095.7
51°	10575.3	10683.0	10592.1	10400.3	9830.0	8909.6	7621.6	6338.7	5267.4	4649.7	3864.3
52°	10471.0	10616.5	10543.3	10386.0	9868.7	8945.0	7619.2	6363.4	5268.6	4483.4	3860.6
53°	10358.3	10536.6	10487.8	10370.0	9901.5	8970.2	7579.6	6375.6	5307.0	4435.2	3888.9
54°	10232.1	10439.0	10431.5	10349.8	9918.3	8993.8	7537.7	6361.0	5306.0	4444.6	3911.2
55°	10089.1	10325.5	10366.7	10324.6	9924.2	9008.1	7531.7	6352.2	5298.3	4439.7	3684.7
56°	9924.2	10190.0	10289.3	10289.3	9924.2	9014.0	7533.3	6332.0	5256.1	4357.7	3635.0
57°	9744.2	10036.1	10197.6	10248.9	9921.7	9023.2	7524.9	6314.3	5176.9	4223.6	3637.0
58°	9543.1	9857.7	10087.4	10203.5	9910.7	9036.7	7492.3	6247.3	5160.5	4265.6	3462.9
59°	9324.4	9656.7	9967.1	10149.6	9894.7	9042.6	7459.4	6216.2	5149.3	4314.1	3361.5
60°	9068.6	9429.5	9822.4	10082.3	9866.1	9035.0	7424.9	6167.0	5129.0	4280.3	3353.5
61°	8744.8	9164.5	9663.4	9996.5	9824.9	9005.5	7371.7	6110.1	5083.2	4146.1	3110.0
62°	8359.0	8843.2	9481.7	9890.5	9774.4	8944.1	7296.5	6044.8	5024.3	4124.4	3088.5
63°	7928.1	8478.9	9277.3	9766.0	9706.3	8844.0	7198.6	5968.1	5008.4	4062.5	2913.0
64°	7502.6	8101.9	9048.4	9628.1	9617.1	8716.1	7084.3	5883.5	4954.0	3987.8	2832.6
65°	7133.9	7733.7	8799.4	9473.3	9513.7	8575.7	6969.9	5813.3	4844.1	3949.6	2633.1
66°	6840.7	7410.6	8526.9	9291.6	9388.3	8447.8	6821.2	5725.1	4847.0	3852.1	2542.2
67°	6649.0	7135.4	8266.0	9088.0	9232.7	8298.7	6648.2	5605.9	4878.3	3813.6	2338.5
68°	6550.3	6931.4	8016.5	8854.1	9047.6	8113.7	6402.8	5470.0	4902.2	3734.5	2169.2
69°	6461.4	6785.2	7785.5	8601.7	8822.1	7876.1	6115.5	5304.8	4789.4	3668.5	1971.0
70°	6221.0	6649.5	7562.5	8328.1	8562.2	7528.3	5672.4	5067.7	4664.6	3605.0	1825.4
71°	5746.0	6418.6	7362.2	8049.6	8260.8	7075.3	5102.2	4740.9	4561.4	3521.7	1721.2
72°	5119.5	6026.1	7172.1	7763.9	7926.9	6540.6	4538.5	4386.3	4425.5	3427.7	1617.0
73°	4498.1	5486.9	6958.8	7485.2	7544.1	5941.2	4031.9	4021.7	4214.4	3326.3	1512.8
74°	3910.7	4888.7	6702.9	7201.7	7102.4	5334.6	3560.7	3655.0	3995.2	3192.4	1414.9
75°	3064.7	4230.8	6373.1	6856.5	6622.4	4691.7	2990.5	3278.3	3764.2	3014.0	1276.2
76°	1925.4	3419.9	5907.2	6458.6	6053.6	3984.2	2180.9	2838.9	3520.0	2794.4	1130.6
77°	910.0	2273.3	5298.8	5906.6	5404.9	3011.6	1371.3	2127.5	3271.6	2479.5	991.4
78°	714.7	1142.1	4552.1	5186.8	4629.1	1895.7	573.8	1416.2	2991.7	2065.5	847.4
79°	528.9	876.1	3560.0	4300.4	3718.6	946.1	261.5	711.9	2543.3	1651.5	718.7
80°	343.1	610.2	2282.7	3216.4	2638.2	704.1	224.2	521.8	1816.7	1238.1	621.0
81°	312.2	344.4	1184.6	2051.1	1531.1	471.8	187.0	331.7	1092.4	914.3	624.8
82°	284.0	304.4	886.9	986.6	689.0	239.5	149.9	146.2	478.4	747.4	581.9
83°	257.0	272.7	602.1	757.7	472.4	202.0	128.4	118.7	362.8	636.9	465.7
84°	229.5	241.8	317.4	532.7	258.7	171.2	107.7	95.3	247.1	505.4	320.9
85°	201.8	211.4	256.9	307.7	207.7	142.0	87.4	75.1	133.3	359.1	229.6
86°	172.0	182.7	206.3	261.6	166.5	112.9	67.6	57.7	110.0	288.0	139.3
87°	142.6	155.2	170.6	208.8	132.6	86.3	48.4	42.9	85.4	217.0	91.1
88°	116.3	128.6	135.8	149.2	102.6	65.5	34.3	30.5	56.7	146.0	62.3
89°	95.2	100.8	99.7	88.4	78.8	44.8	20.3	18.2	39.4	75.0	33.5



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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

REPORT NUMBER: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-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: P1445077
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-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: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2	5447.2
1°	5369.6	5370.0	5376.8	5388.3	5404.8	5423.5	5443.4	5445.5	5465.7	5485.8	5503.3
2°	5302.5	5300.1	5309.9	5329.5	5358.1	5392.4	5432.4	5454.9	5495.3	5535.0	5571.0
3°	5244.0	5239.4	5251.7	5277.9	5315.8	5365.8	5423.6	5467.3	5529.2	5590.9	5647.4
4°	5192.9	5187.1	5201.7	5232.2	5280.4	5344.4	5419.7	5483.8	5568.5	5653.9	5731.0
5°	5145.7	5139.8	5156.0	5192.4	5248.3	5326.4	5418.0	5503.1	5610.3	5720.3	5822.9
6°	5106.4	5100.2	5117.8	5155.9	5221.6	5310.8	5420.7	5526.3	5656.3	5792.5	5922.8
7°	5074.7	5066.9	5086.8	5128.3	5196.4	5298.8	5424.8	5550.8	5706.3	5871.3	6029.9
8°	5046.8	5037.2	5058.7	5107.5	5178.3	5288.3	5430.6	5576.6	5759.3	5955.3	6143.5
9°	5021.0	5010.1	5033.3	5087.4	5166.0	5278.6	5436.4	5605.4	5815.4	6045.4	6267.6
10°	5000.2	4988.7	5012.0	5070.5	5156.2	5271.0	5446.8	5639.2	5875.3	6140.7	6398.2
11°	4985.5	4973.5	4997.0	5057.8	5148.9	5270.2	5459.7	5677.1	5942.7	6242.8	6539.8
12°	4954.3	4918.3	4965.9	5049.9	5144.7	5274.0	5462.3	5702.2	6014.2	6349.9	6690.3
13°	4897.5	4862.6	4908.8	5045.5	5142.5	5265.4	5471.0	5733.1	6072.2	6469.8	6851.9
14°	4871.6	4857.5	4882.8	4988.7	5143.9	5263.2	5479.4	5764.2	6137.8	6587.9	7023.6
15°	4874.5	4857.6	4883.1	4951.7	5134.3	5263.8	5497.7	5804.0	6205.0	6700.8	7202.2
16°	4878.0	4861.3	4886.9	4955.4	5128.0	5273.1	5515.0	5851.6	6280.7	6821.5	7389.5
17°	4886.0	4867.4	4895.7	4963.8	5089.5	5278.9	5536.8	5898.5	6371.8	6945.4	7581.0
18°	4891.6	4868.0	4901.8	4975.0	5070.2	5290.0	5567.9	5949.8	6452.0	7081.9	7768.8
19°	4895.4	4868.9	4906.8	4991.4	5063.3	5313.1	5605.4	6012.6	6541.4	7219.0	7945.4
20°	4899.2	4848.6	4912.6	5003.4	5069.3	5340.7	5642.1	6076.3	6635.1	7364.5	8130.2
21°	4799.4	4649.3	4820.0	5004.2	5086.6	5361.8	5672.0	6133.3	6741.9	7501.5	8307.7
22°	4656.0	4598.2	4684.6	5007.3	5108.1	5371.3	5688.3	6184.5	6849.0	7643.6	8473.0
23°	4633.5	4603.9	4661.3	4978.7	5124.4	5359.3	5722.1	6220.8	6953.2	7787.9	8642.1
24°	4642.2	4616.7	4672.0	4812.2	5137.7	5372.7	5765.1	6271.7	7049.4	7929.5	8807.0
25°	4658.3	4634.3	4689.4	4767.5	5150.4	5382.4	5791.1	6336.7	7132.8	8073.9	8964.3
26°	4677.1	4650.2	4710.4	4783.6	5170.4	5389.8	5822.8	6388.8	7218.9	8214.2	9121.6
27°	4692.7	4668.4	4728.6	4797.3	5171.4	5423.1	5869.4	6439.7	7318.2	8352.7	9271.4
28°	4709.0	4635.9	4750.1	4808.3	5080.4	5450.7	5912.9	6506.4	7430.1	8482.3	9422.0
29°	4626.9	4451.8	4662.9	4815.4	4992.5	5459.9	5941.7	6581.5	7539.5	8609.3	9575.1
30°	4472.1	4437.7	4509.8	4830.7	4946.4	5469.4	5967.3	6656.3	7635.7	8724.6	9730.7
31°	4466.4	4462.2	4503.4	4846.0	4940.0	5495.8	6005.4	6721.0	7742.1	8839.8	9888.0
32°	4484.3	4493.0	4521.9	4720.4	4953.8	5521.6	6051.0	6778.1	7863.3	8964.3	10042.0
33°	4506.6	4522.2	4544.7	4592.1	4977.0	5526.4	6094.1	6846.4	7989.4	9094.7	10189.2
34°	4528.1	4546.0	4564.4	4587.1	5000.2	5545.2	6118.1	6931.1	8104.5	9224.3	10319.6
35°	4545.2	4565.9	4580.4	4593.0	5011.1	5558.8	6159.2	7014.4	8203.0	9350.4	10407.1
36°	4551.4	4320.9	4582.2	4612.7	5012.8	5568.4	6199.6	7091.5	8288.3	9437.9	10444.9
37°	4303.1	4285.7	4328.2	4638.2	5005.4	5556.9	6232.5	7148.0	8362.0	9490.1	10445.8
38°	4251.8	4310.6	4288.3	4646.8	4881.7	5470.5	6260.8	7215.1	8421.7	9511.1	10418.8
39°	4267.6	4340.7	4303.9	4660.5	4817.4	5411.1	6278.1	7284.0	8470.5	9516.2	10385.2
40°	4288.8	4366.9	4319.8	4500.8	4854.7	5394.1	6300.5	7336.7	8507.5	9525.4	10366.7
41°	4290.7	4343.3	4321.1	4443.4	4880.2	5429.1	6306.1	7383.7	8536.1	9546.5	10359.1
42°	4247.8	4073.0	4280.9	4458.6	4876.2	5450.0	6316.3	7424.3	8569.8	9572.5	10370.9
43°	4006.7	4053.0	4046.1	4450.1	4897.0	5427.0	6355.2	7458.4	8606.8	9603.7	10393.6
44°	3986.7	4067.5	4030.9	4445.8	4925.9	5436.3	6395.9	7488.7	8653.1	9638.2	10414.6

REPORT NUMBER: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4007.0	4074.9	4049.7	4445.2	4945.4	5472.4	6439.2	7522.8	8706.1	9671.8	10433.1
46°	4010.2	3959.1	4049.2	4221.1	4803.3	5504.9	6406.7	7547.3	8756.5	9713.0	10451.6
47°	3907.3	3710.1	3936.3	4187.6	4713.3	5522.0	6374.5	7578.0	8807.8	9758.5	10466.8
48°	3693.7	3710.9	3741.8	4199.2	4728.8	5508.6	6402.6	7625.1	8858.3	9802.2	10473.5
49°	3709.6	3715.8	3761.1	4197.8	4759.4	5411.2	6449.0	7665.6	8907.1	9840.1	10469.3
50°	3730.2	3713.8	3783.5	4163.1	4751.4	5385.7	6473.1	7699.1	8950.0	9882.1	10460.9
51°	3741.9	3372.6	3799.8	3943.1	4737.1	5395.2	6484.6	7717.4	8985.3	9918.3	10451.6
52°	3451.3	3338.7	3497.5	3949.1	4563.9	5405.2	6510.0	7691.9	9014.0	9947.7	10439.9
53°	3412.6	3334.0	3463.5	3978.2	4537.8	5439.3	6514.4	7641.9	9040.0	9965.4	10425.6
54°	3404.4	3080.7	3454.5	3998.9	4551.9	5434.4	6498.5	7613.4	9052.6	9971.3	10407.1
55°	3166.8	2926.3	3204.0	3758.8	4548.9	5424.0	6485.3	7610.2	9057.7	9970.4	10386.0
56°	3043.5	2919.0	3094.1	3719.7	4448.3	5378.2	6458.2	7611.2	9060.2	9972.1	10357.4
57°	3040.2	2596.3	3089.6	3723.1	4348.1	5302.1	6429.0	7592.8	9065.3	9965.4	10316.2
58°	2748.8	2521.6	2787.4	3528.7	4392.6	5290.1	6351.7	7546.6	9062.7	9946.9	10258.2
59°	2674.5	2463.3	2721.2	3455.7	4439.9	5272.7	6326.4	7509.3	9053.5	9921.7	10186.6
60°	2550.4	2089.0	2568.6	3439.6	4381.7	5247.4	6253.4	7465.1	9022.4	9886.3	10105.9
61°	2303.4	1902.6	2347.4	3192.4	4261.5	5187.3	6187.1	7406.2	8961.0	9840.1	10016.7
62°	2194.4	1716.2	2201.3	3177.6	4241.2	5131.7	6105.6	7325.8	8860.8	9771.9	9918.3
63°	1976.3	1528.8	1992.0	2973.1	4163.1	5109.5	6016.7	7213.3	8741.4	9685.3	9800.5
64°	1758.4	1239.7	1782.7	2910.1	4097.2	5040.3	5927.8	7099.2	8599.2	9586.0	9656.7
65°	1538.4	956.1	1573.2	2697.9	4050.0	4938.9	5841.7	6964.9	8465.5	9463.2	9485.0
66°	1254.1	714.4	1271.2	2594.9	3951.1	4952.6	5729.1	6782.2	8320.0	9320.2	9294.1
67°	1018.7	475.1	1001.3	2407.9	3912.6	4969.3	5582.1	6576.8	8142.8	9153.6	9083.8
68°	745.2	235.8	739.7	2215.7	3815.2	4952.6	5420.1	6299.2	7911.0	8955.9	8857.5
69°	539.7	0.5	518.8	1982.7	3732.6	4788.5	5227.2	5929.3	7609.1	8722.0	8610.2
70°	485.6	0.5	454.4	1841.0	3654.9	4634.6	4945.2	5392.2	7217.0	8451.2	8334.1
71°	432.5	0.4	396.4	1727.1	3553.3	4494.2	4571.9	4788.0	6711.1	8140.6	8037.3
72°	373.6	0.5	337.4	1613.2	3447.1	4325.4	4186.5	4237.7	6123.7	7798.5	7749.6
73°	310.4	0.5	274.3	1498.8	3311.1	4090.4	3827.2	3775.5	5511.3	7379.9	7452.3
74°	253.8	0.5	213.1	1369.9	3121.9	3865.0	3464.4	3259.3	4877.7	6873.6	7133.6
75°	200.9	0.6	175.0	1213.7	2907.5	3636.9	2994.1	2517.2	4202.6	6300.7	6766.3
76°	148.3	0.7	161.8	1074.0	2624.4	3369.1	2284.4	1580.9	3375.8	5668.7	6327.2
77°	114.3	0.8	177.2	942.4	2241.9	3077.3	1574.7	754.7	2332.7	4973.5	5758.2
78°	123.0	0.9	163.2	810.3	1857.1	2677.3	867.1	482.2	1273.3	4139.1	4933.6
79°	166.8	1.1	149.3	708.2	1472.3	1980.2	355.3	222.4	935.6	3191.8	3951.8
80°	172.1	1.2	135.0	652.0	1091.3	1283.1	254.6	188.7	598.1	2092.6	2824.0
81°	155.9	1.4	84.3	603.0	866.4	601.1	155.2	164.7	260.5	1065.4	1676.9
82°	113.4	1.6	46.7	515.7	723.6	447.2	127.5	142.8	220.3	790.2	729.4
83°	71.1	1.8	35.6	377.8	561.7	293.3	105.5	121.7	189.7	516.7	525.3
84°	42.4	2.0	24.6	239.9	373.8	140.9	86.4	101.2	161.6	243.2	343.6
85°	32.3	2.2	13.6	103.1	247.6	115.7	68.8	79.7	132.7	192.0	299.0
86°	22.3	2.4	11.5	60.8	121.9	92.0	53.2	61.1	105.0	154.2	251.4
87°	12.5	2.7	9.9	36.8	64.7	67.9	39.3	42.6	79.6	122.3	197.7
88°	9.8	2.9	8.4	26.1	44.7	46.9	27.7	24.1	58.6	92.8	135.8
89°	6.8	3.2	6.3	15.3	24.7	26.0	16.2	10.6	37.8	72.0	78.9

REPORT NUMBER: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-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: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-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: P1445077
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-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: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5447.2	5447.2	5447.2
1°	5516.9	5527.0	5530.2
2°	5600.4	5621.0	5626.8
3°	5692.5	5722.0	5732.3
4°	5794.3	5837.9	5851.8
5°	5908.6	5963.8	5982.8
6°	6028.6	6100.0	6124.7
7°	6160.4	6249.8	6280.8
8°	6302.7	6409.8	6445.5
9°	6454.4	6581.9	6627.8
10°	6619.7	6770.1	6824.4
11°	6797.6	6971.7	7033.2
12°	6985.7	7185.4	7258.1
13°	7187.8	7419.5	7505.4
14°	7399.4	7661.7	7763.7
15°	7623.5	7916.6	8030.9
16°	7851.5	8180.2	8304.3
17°	8089.1	8448.6	8575.7
18°	8326.5	8712.8	8844.0
19°	8560.5	8965.2	9107.3
20°	8786.8	9210.0	9362.2
21°	9005.5	9444.7	9601.1
22°	9211.6	9663.4	9827.4
23°	9412.7	9881.3	10042.0
24°	9603.7	10093.3	10246.4
25°	9796.3	10296.0	10437.3
26°	9989.0	10480.2	10605.6
27°	10170.7	10645.1	10752.8
28°	10328.0	10788.1	10895.0
29°	10473.5	10931.2	11038.0
30°	10628.3	11094.4	11211.3
31°	10783.1	11244.9	11353.5
32°	10925.3	11356.0	11461.1
33°	11025.4	11413.2	11504.0
34°	11073.3	11408.1	11480.5
35°	11065.7	11342.5	11402.2
36°	11023.7	11242.4	11297.1
37°	10951.3	11139.8	11204.6
38°	10882.4	11074.2	11164.2
39°	10841.1	11043.0	11151.6
40°	10822.6	11028.7	11148.2
41°	10814.2	11022.0	11144.8
42°	10805.8	11017.8	11133.9
43°	10797.4	11009.4	11109.5
44°	10790.7	10995.1	11073.3

REPORT NUMBER: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10783.9	10968.2	11022.0
46°	10775.5	10933.7	10963.1
47°	10762.9	10895.0	10895.0
48°	10743.6	10851.2	10824.3
49°	10715.0	10805.8	10748.6
50°	10678.8	10759.5	10666.2
51°	10631.7	10709.1	10575.3
52°	10580.4	10645.1	10471.0
53°	10527.4	10566.0	10358.3
54°	10473.5	10468.5	10232.1
55°	10413.8	10354.1	10089.1
56°	10341.4	10218.6	9924.2
57°	10251.4	10067.2	9744.2
58°	10136.2	9883.8	9543.1
59°	10010.0	9681.9	9324.4
60°	9865.3	9460.7	9068.6
61°	9702.1	9206.6	8744.8
62°	9517.9	8898.7	8359.0
63°	9322.7	8539.5	7928.1
64°	9106.5	8150.7	7502.6
65°	8863.4	7785.1	7133.9
66°	8605.1	7463.3	6840.7
67°	8345.6	7196.8	6649.0
68°	8082.4	6985.8	6550.3
69°	7853.4	6830.2	6461.4
70°	7659.0	6691.9	6221.0
71°	7457.5	6477.0	5746.0
72°	7236.6	6091.2	5119.5
73°	7018.7	5548.9	4498.1
74°	6764.6	4939.1	3910.7
75°	6378.4	4273.3	3064.7
76°	5866.2	3455.2	1925.4
77°	5273.2	2386.8	910.0
78°	4540.9	1277.6	714.7
79°	3515.7	962.6	528.9
80°	2177.1	658.6	343.1
81°	1099.3	354.8	312.2
82°	823.7	308.9	284.0
83°	572.3	278.7	257.0
84°	320.9	246.6	229.5
85°	252.8	213.8	201.8
86°	205.6	183.4	172.0
87°	169.2	155.3	142.6
88°	134.3	127.7	116.3
89°	96.5	99.8	95.2

REPORT NUMBER: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-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 (4000K-240W-T4-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: P1445077

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)