

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: P1445076

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445076
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)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 39169.2 lumens
Efficiency: 84.1%
Efficacy: 167.9 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

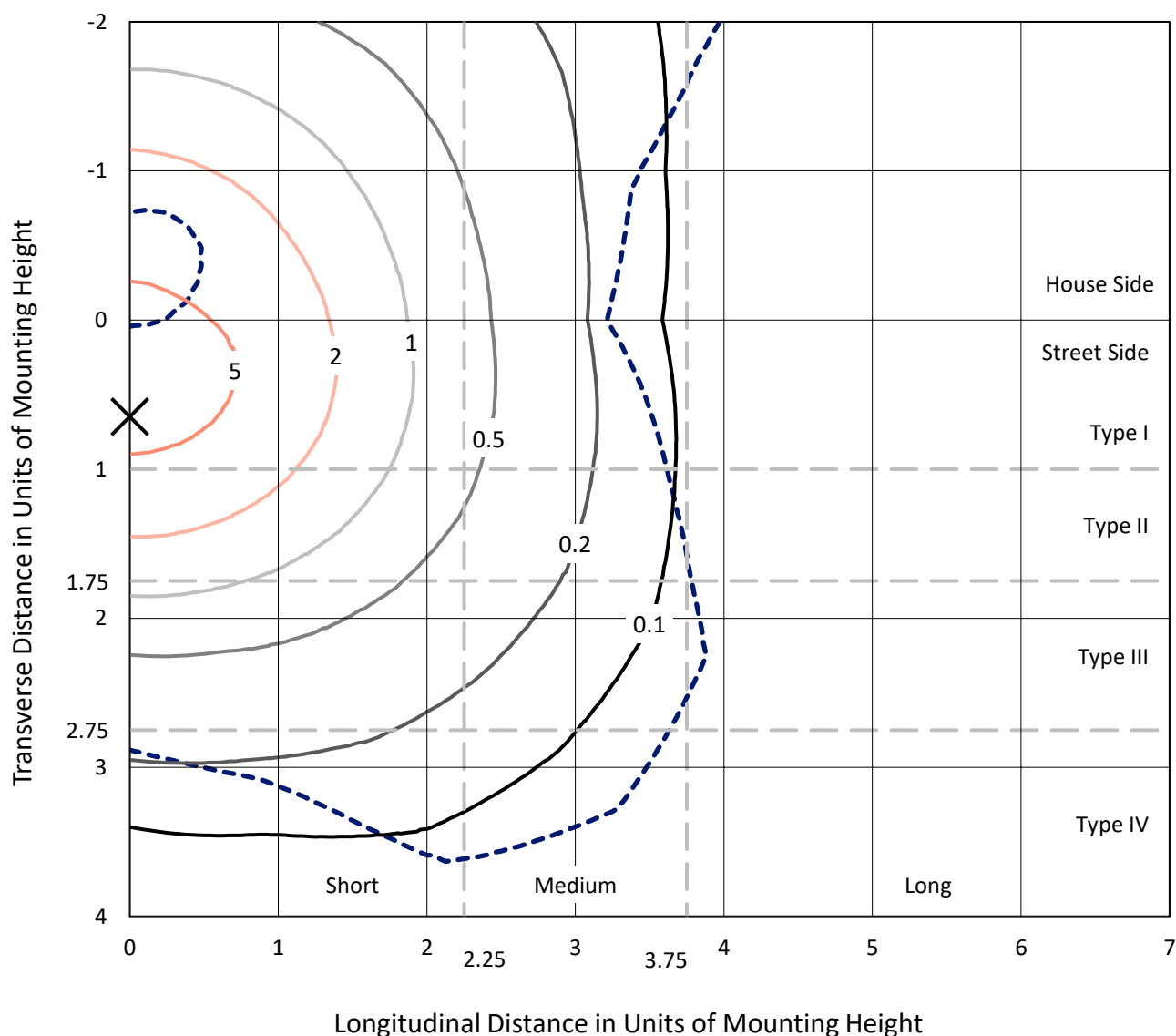
Input Watts (W): 233.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1445076

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

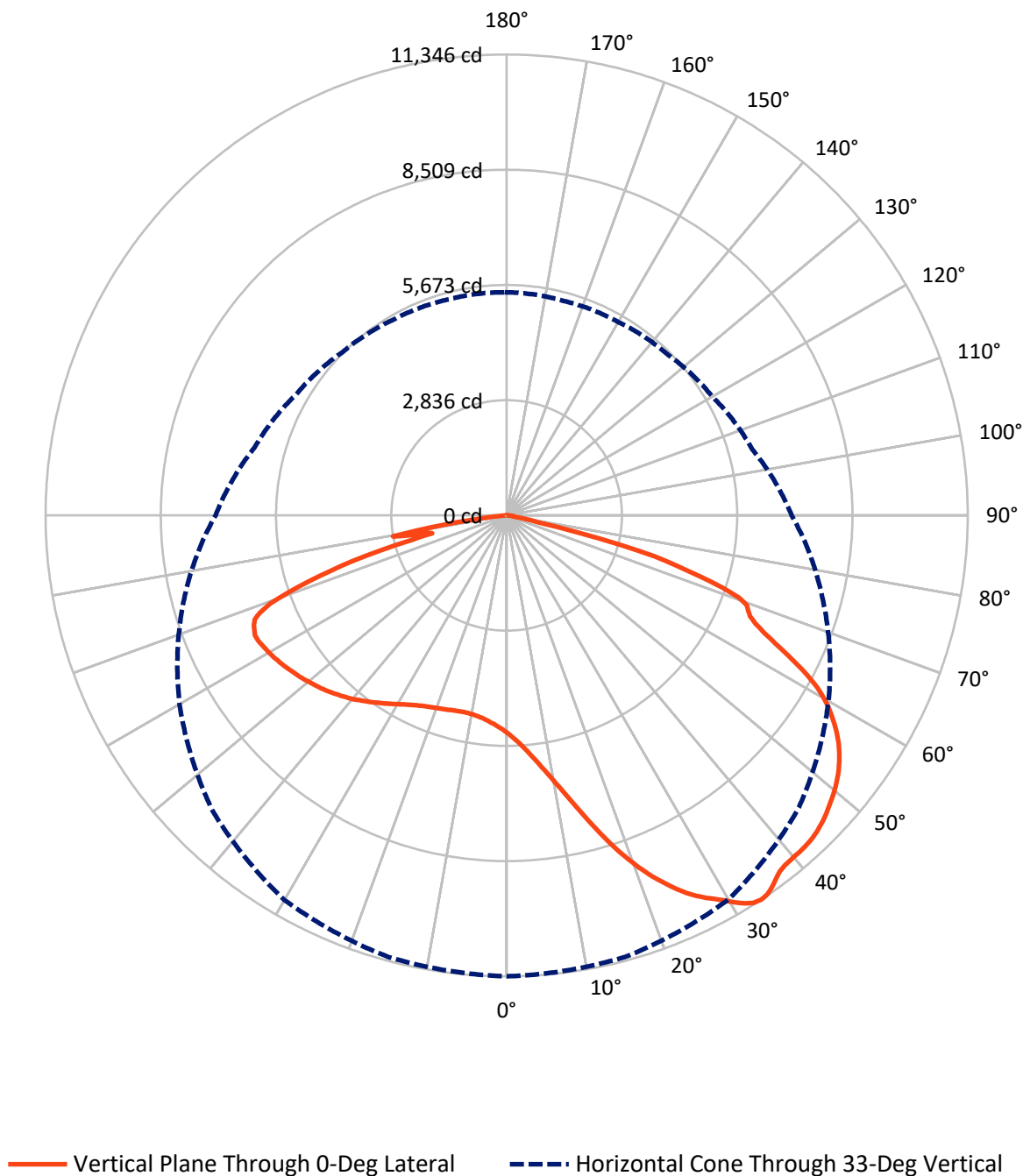


Based on 30 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1445076

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

Luminous Intensity Polar Plot



REPORT NUMBER: P1445076

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

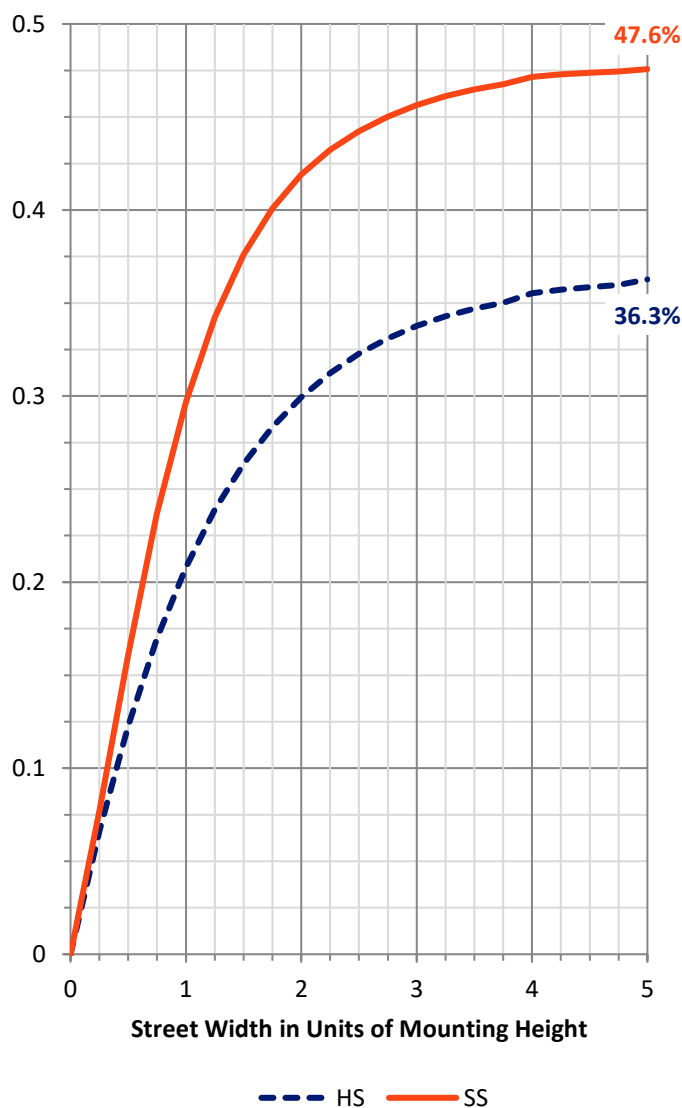
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17045.2	0.0	17045.2
	% Lamp	36.6	0.0	36.6
Street Side	Lumens	22124.0	0.0	22124.0
	% Lamp	47.5	0.0	47.5
Total	Lumens	39169.2	0.0	39169.2
	% Lamp	84.1	0.0	84.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	529.1	1.4	1.1
10°-20°	1750.5	4.5	3.8
20°-30°	3305.4	8.4	7.1
30°-40°	4981.3	12.7	10.7
40°-50°	6438.9	16.4	13.8
50°-60°	7711.8	19.7	16.6
60°-70°	8192.1	20.9	17.6
70°-80°	5613.6	14.3	12.1
80°-90°	646.6	1.7	1.4
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°	39169.2	100.0	84.1
0°-180°	39169.2	100.0	84.1

Coefficient of Utilization



REPORT NUMBER: P1445076

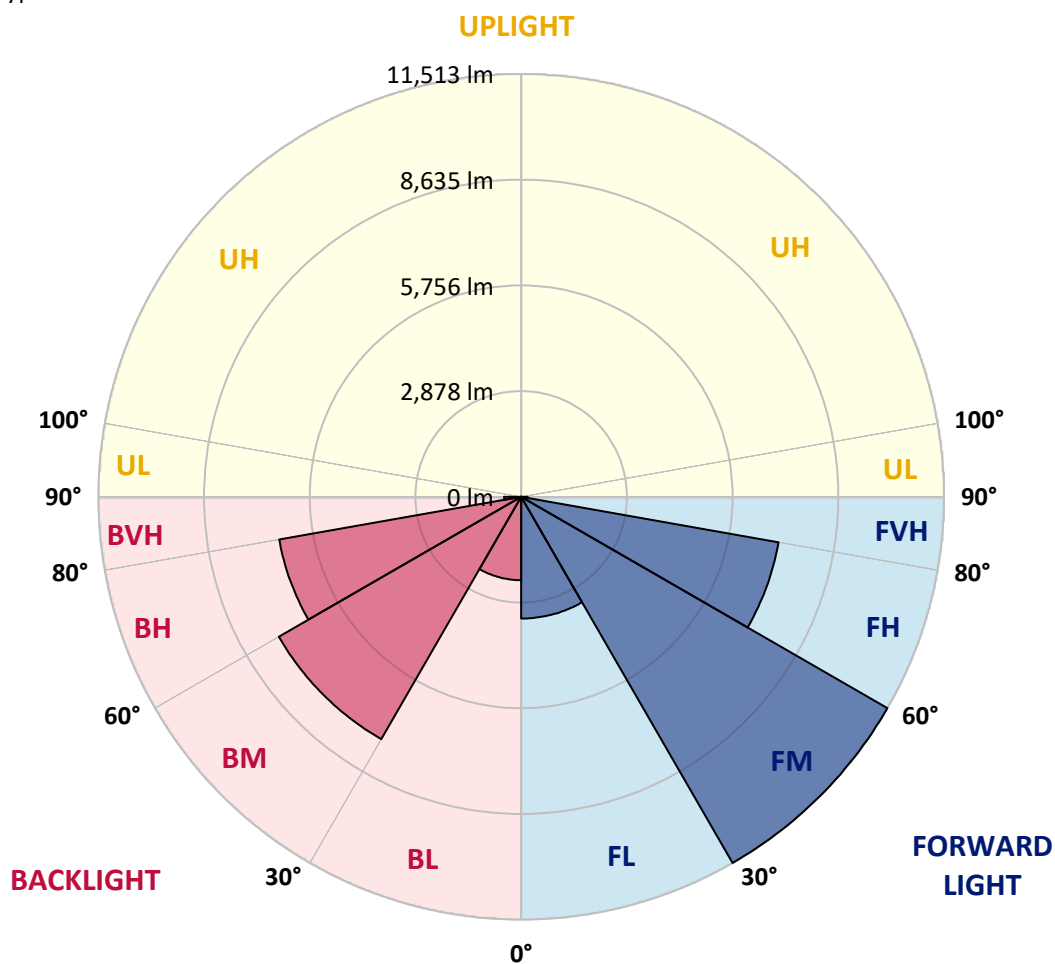
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3314.9	7.1			
FM	(30°-60°)	11512.8	24.7			
FH	(60°-80°)	7117.1	15.3			G3/7500
FVH	(80°-90°)	179.3	0.4			G2/225
BL	(0°-30°)	2270.1	4.9	B3/2500		
BM	(30°-60°)	7619.3	16.4	B4/8500		
BH	(60°-80°)	6688.6	14.4	B5		G5
BVH	(80°-90°)	467.3	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		7391.8	15.9			

BUG Rating: B5-U0-G5

Type IV Short



REPORT NUMBER: P1445076

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

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9
1°	5457.0	5455.1	5449.5	5441.3	5426.4	5407.6	5370.0	5350.6	5333.8	5319.8	5310.5
2°	5547.4	5541.6	5526.7	5502.9	5468.5	5430.3	5372.5	5334.4	5299.9	5272.9	5254.7
3°	5649.9	5639.6	5613.4	5570.1	5516.7	5457.2	5379.6	5322.3	5272.1	5233.8	5207.5
4°	5764.6	5749.2	5709.6	5648.4	5571.7	5489.8	5389.9	5314.1	5250.1	5200.7	5167.2
5°	5891.2	5869.8	5814.0	5733.5	5635.3	5528.4	5406.0	5311.8	5232.6	5174.1	5133.5
6°	6031.4	6004.6	5935.8	5828.5	5703.6	5569.4	5424.8	5312.4	5218.8	5150.9	5102.1
7°	6182.8	6151.2	6063.6	5932.9	5776.7	5613.8	5444.7	5314.7	5209.4	5130.5	5074.4
8°	6344.1	6307.1	6202.8	6045.8	5855.5	5662.6	5468.7	5321.0	5203.4	5113.3	5051.9
9°	6522.6	6481.0	6355.6	6166.9	5942.0	5716.2	5496.2	5329.0	5198.0	5099.8	5033.5
10°	6715.5	6660.9	6515.4	6297.3	6035.3	5773.4	5527.7	5339.1	5193.8	5091.8	5020.5
11°	6924.4	6862.5	6691.4	6435.2	6133.6	5835.5	5560.8	5352.4	5192.5	5085.6	5012.2
12°	7148.9	7073.3	6875.7	6584.0	6238.9	5902.7	5597.6	5370.3	5195.7	5083.1	5008.4
13°	7391.2	7302.5	7075.9	6740.2	6349.6	5973.5	5641.1	5390.7	5202.9	5083.4	5009.3
14°	7646.8	7547.7	7283.4	6907.3	6470.3	6051.1	5689.6	5414.7	5212.2	5087.4	5014.3
15°	7912.7	7800.1	7499.7	7082.7	6594.9	6131.4	5739.7	5441.5	5224.3	5094.7	5022.2
16°	8186.3	8055.7	7723.7	7262.9	6727.9	6217.7	5793.8	5474.0	5239.9	5104.2	5032.9
17°	8456.2	8314.7	7952.4	7444.4	6865.0	6309.7	5853.0	5508.1	5260.1	5118.1	5047.5
18°	8722.9	8571.5	8180.1	7633.9	7005.5	6406.4	5915.7	5546.0	5282.4	5135.7	5064.7
19°	8982.8	8823.8	8408.7	7819.5	7147.6	6505.0	5978.5	5586.3	5308.5	5154.3	5083.5
20°	9236.0	9064.4	8627.8	8004.7	7293.2	6604.5	6044.0	5629.8	5336.6	5177.8	5105.6
21°	9473.3	9299.1	8844.9	8190.0	7441.2	6709.8	6112.4	5675.3	5367.6	5202.4	5126.8
22°	9697.9	9521.2	9048.4	8370.9	7587.7	6818.8	6181.6	5721.1	5401.4	5229.9	5151.3
23°	9905.7	9736.6	9249.5	8550.4	7738.3	6928.9	6250.5	5766.7	5436.4	5259.1	5176.8
24°	10106.7	9938.5	9442.1	8722.0	7881.4	7038.0	6317.4	5812.8	5472.8	5288.4	5203.9
25°	10298.5	10135.3	9632.3	8892.0	8025.6	7144.3	6385.3	5858.0	5510.2	5319.9	5231.8
26°	10460.9	10310.3	9815.7	9058.5	8165.4	7253.8	6455.6	5904.7	5549.3	5351.8	5260.0
27°	10609.8	10469.3	9994.0	9218.4	8304.6	7365.8	6526.0	5950.5	5588.5	5383.9	5289.7
28°	10743.6	10609.8	10158.0	9378.2	8442.7	7477.3	6599.6	5996.8	5628.4	5418.0	5319.5
29°	10886.6	10748.6	10313.7	9534.7	8575.7	7592.2	6677.1	6046.8	5670.3	5451.0	5352.9
30°	11056.5	10911.0	10465.9	9692.0	8708.6	7711.3	6758.2	6099.8	5712.9	5486.7	5386.7
31°	11198.7	11063.2	10633.3	9852.7	8847.4	7828.3	6841.2	6153.3	5756.8	5523.5	5422.9
32°	11304.7	11182.7	10788.1	10013.4	8990.4	7943.1	6928.2	6207.1	5801.5	5562.3	5459.7
33°	11345.9	11252.5	10916.8	10169.0	9145.2	8057.7	7013.2	6261.3	5846.2	5601.6	5496.1
34°	11322.3	11248.3	11003.5	10309.5	9295.8	8186.0	7102.1	6316.8	5887.3	5639.5	5532.4
35°	11241.6	11184.4	11019.5	10419.7	9427.0	8322.0	7194.2	6374.1	5929.4	5680.2	5572.6
36°	11134.7	11091.0	10979.9	10492.0	9544.8	8454.5	7289.9	6433.5	5972.3	5722.4	5615.6
37°	11044.7	10983.3	10912.6	10508.0	9633.1	8568.9	7384.5	6490.6	6018.8	5766.2	5664.8
38°	11002.7	10913.5	10842.8	10488.7	9701.2	8667.4	7483.5	6544.2	6065.6	5815.3	5715.9
39°	10987.5	10878.2	10792.3	10462.6	9733.2	8749.8	7584.6	6601.8	6113.8	5868.4	5769.4
40°	10982.5	10860.5	10767.9	10449.1	9743.3	8811.2	7676.2	6663.9	6164.3	5927.6	5825.3
41°	10978.3	10848.7	10760.4	10449.1	9758.5	8855.0	7754.0	6731.8	6217.4	5984.3	5880.3
42°	10965.6	10839.5	10759.5	10465.1	9787.9	8894.5	7817.7	6795.4	6274.9	6046.7	5937.3
43°	10941.2	10826.0	10758.7	10492.9	9824.1	8941.6	7869.7	6853.3	6336.3	6109.9	5991.5
44°	10902.5	10809.2	10755.3	10524.8	9867.8	9002.2	7921.0	6909.4	6401.5	6177.9	6045.3

REPORT NUMBER: P1445076

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10851.2	10780.6	10747.8	10554.3	9917.4	9069.5	7976.7	6968.5	6466.5	6245.2	6097.4
46°	10788.1	10743.6	10735.1	10578.7	9973.0	9136.8	8037.1	7031.2	6534.6	6312.2	6148.4
47°	10720.0	10704.0	10720.0	10596.3	10029.3	9206.6	8095.1	7100.5	6601.9	6377.4	6201.7
48°	10647.7	10659.4	10699.8	10609.0	10084.0	9277.3	8154.7	7174.0	6669.8	6442.6	6253.9
49°	10572.8	10613.2	10671.2	10617.4	10138.7	9345.4	8211.0	7247.6	6740.8	6506.4	6311.3
50°	10492.0	10565.2	10636.7	10620.7	10189.2	9413.5	8263.8	7324.6	6811.7	6569.7	6369.1
51°	10400.3	10509.7	10595.5	10619.9	10235.4	9476.6	8311.8	7401.5	6881.6	6634.2	6432.3
52°	10297.7	10441.5	10548.4	10614.0	10282.5	9539.7	8355.5	7477.9	6951.4	6700.4	6499.3
53°	10184.1	10365.0	10497.9	10607.3	10322.1	9595.3	8394.5	7551.3	7024.7	6769.3	6570.2
54°	10056.3	10266.6	10443.2	10593.0	10355.7	9646.6	8434.3	7620.2	7101.2	6842.1	6645.3
55°	9914.1	10151.3	10382.7	10573.6	10385.2	9692.0	8470.5	7685.1	7177.9	6917.6	6722.6
56°	9752.6	10018.4	10307.8	10544.2	10408.7	9731.5	8505.0	7747.5	7256.1	6998.4	6798.9
57°	9570.0	9865.3	10217.8	10505.5	10423.9	9765.2	8535.3	7807.6	7336.9	7085.5	6874.8
58°	9367.3	9688.6	10107.6	10459.2	10429.8	9791.3	8558.0	7862.1	7421.3	7177.5	6947.9
59°	9151.1	9487.6	9985.6	10407.1	10424.7	9806.4	8574.8	7911.7	7501.6	7271.2	7015.6
60°	8892.0	9263.0	9844.3	10344.8	10407.1	9809.8	8583.2	7956.3	7582.6	7369.7	7079.9
61°	8570.6	9001.3	9686.9	10267.4	10374.2	9793.8	8579.9	7990.9	7666.4	7471.7	7151.9
62°	8188.2	8687.5	9510.3	10174.9	10335.5	9758.5	8564.7	8017.3	7751.8	7576.3	7224.7
63°	7759.0	8325.2	9308.4	10063.8	10280.9	9715.5	8545.4	8038.1	7836.5	7681.6	7297.1
64°	7334.2	7942.0	9082.9	9936.0	10206.0	9653.3	8514.3	8044.9	7917.4	7790.2	7365.5
65°	6965.3	7583.3	8839.0	9786.2	10118.5	9573.4	8465.5	8042.9	7995.3	7895.3	7431.8
66°	6672.6	7254.7	8576.5	9616.3	10011.7	9481.7	8390.6	8033.3	8061.2	7999.7	7499.7
67°	6485.2	6979.4	8319.7	9416.9	9870.3	9351.3	8280.2	7993.4	8121.6	8094.4	7560.8
68°	6389.3	6777.5	8074.0	9190.6	9702.9	9174.6	8103.8	7919.1	8172.5	8186.3	7616.2
69°	6305.9	6635.9	7846.9	8939.9	9492.6	8945.0	7825.4	7779.8	8206.3	8266.1	7645.9
70°	6070.1	6511.5	7635.8	8669.0	9236.9	8621.9	7395.0	7538.3	8203.6	8336.5	7663.2
71°	5601.8	6292.3	7451.0	8392.2	8936.6	8184.4	6776.6	7179.1	8148.1	8385.0	7664.0
72°	4977.3	5913.4	7270.0	8109.7	8587.4	7643.2	6100.4	6709.6	8025.8	8406.6	7613.7
73°	4352.1	5381.7	7063.4	7835.7	8182.3	7011.4	5472.1	6180.0	7813.2	8371.6	7518.5
74°	3773.5	4790.1	6808.3	7551.1	7712.2	6354.4	4899.4	5676.4	7534.6	8265.8	7359.3
75°	2932.4	4139.7	6477.5	7207.2	7193.2	5663.4	4230.3	5193.0	7197.1	8068.1	7065.3
76°	1793.5	3333.9	6012.5	6818.3	6624.0	4914.2	3234.8	4578.1	6852.4	7751.9	6664.6
77°	793.7	2202.2	5415.0	6270.4	5983.7	3940.3	2099.9	3633.8	6467.2	7233.8	6218.1
78°	596.5	1065.9	4653.4	5534.8	5210.7	2707.0	972.4	2582.6	5983.4	6470.2	5656.1
79°	413.1	778.0	3676.6	4611.8	4289.3	1493.7	394.8	1531.4	5197.5	5455.3	4893.9
80°	229.7	507.0	2373.1	3488.4	3196.0	683.2	262.9	492.3	3973.5	4343.5	4111.5
81°	200.3	236.0	1201.9	2288.6	1948.9	469.9	227.1	297.8	2814.3	3352.4	3459.0
82°	176.3	202.2	878.4	1118.9	902.7	269.7	199.8	243.2	1655.2	2528.5	3044.9
83°	152.9	174.6	566.2	829.3	651.5	221.8	172.5	206.3	518.5	2018.3	2837.5
84°	129.5	147.5	254.0	548.8	424.3	185.6	145.2	169.5	341.2	1508.2	2149.8
85°	105.3	120.5	188.4	268.3	197.0	150.9	119.8	132.6	274.7	999.9	1462.2
86°	78.9	95.3	138.1	219.0	150.6	116.1	94.3	103.9	220.7	615.5	788.8
87°	57.2	71.6	103.1	167.7	114.0	84.8	68.0	78.0	166.6	428.1	550.7
88°	35.6	48.1	71.3	109.9	81.6	59.2	43.4	55.1	113.1	240.8	312.6
89°	13.9	24.5	39.4	58.5	45.7	33.7	30.4	38.4	77.1	53.8	79.4

REPORT NUMBER: P1445076

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9
1°	5306.5	5306.7	5313.7	5324.4	5340.8	5358.6	5377.6	5378.3	5397.0	5414.8	5431.8
2°	5245.5	5245.0	5254.5	5273.3	5299.5	5332.9	5369.1	5388.9	5427.5	5464.0	5496.9
3°	5193.9	5190.8	5203.4	5227.6	5263.0	5310.1	5363.2	5402.4	5461.8	5519.0	5570.6
4°	5149.1	5146.3	5160.0	5188.6	5233.2	5291.8	5360.7	5418.6	5499.1	5579.2	5653.7
5°	5110.4	5105.7	5122.6	5156.1	5207.7	5276.7	5360.5	5437.2	5538.8	5642.7	5742.8
6°	5073.6	5069.0	5087.6	5126.1	5185.4	5264.9	5364.6	5459.9	5583.0	5713.5	5839.3
7°	5042.3	5036.2	5056.5	5100.3	5164.9	5255.1	5369.3	5484.3	5631.6	5789.5	5942.7
8°	5015.6	5008.3	5030.8	5079.3	5148.6	5247.2	5375.9	5510.7	5683.3	5871.4	6053.7
9°	4995.0	4986.1	5010.5	5060.1	5137.1	5241.8	5385.5	5540.0	5739.7	5958.5	6173.6
10°	4978.3	4970.0	4994.0	5046.2	5127.5	5239.7	5400.2	5575.7	5800.4	6052.8	6303.8
11°	4968.5	4959.7	4983.6	5038.1	5121.3	5243.3	5418.5	5616.4	5868.6	6154.7	6443.0
12°	4965.5	4955.3	4978.6	5033.7	5120.8	5250.0	5440.9	5661.3	5942.4	6263.6	6591.5
13°	4966.6	4955.1	4979.6	5034.4	5124.2	5261.6	5467.2	5708.8	6021.1	6379.9	6754.9
14°	4970.1	4959.4	4983.7	5040.3	5130.2	5275.4	5496.1	5758.0	6102.2	6504.9	6923.9
15°	4978.5	4966.5	4990.4	5048.7	5140.8	5293.0	5527.7	5813.7	6189.0	6634.7	7103.3
16°	4989.7	4977.5	5001.4	5060.2	5157.0	5314.1	5562.6	5873.3	6279.6	6773.6	7289.3
17°	5002.6	4991.0	5016.2	5075.3	5175.3	5338.9	5600.4	5935.2	6376.3	6915.5	7478.8
18°	5019.2	5006.3	5033.8	5095.0	5195.3	5365.6	5642.2	6001.5	6474.4	7063.4	7675.8
19°	5037.7	5021.9	5053.2	5117.3	5218.7	5394.9	5685.4	6068.0	6576.4	7212.9	7866.1
20°	5056.0	5038.5	5073.6	5141.9	5244.5	5428.0	5732.9	6136.9	6682.4	7364.4	8059.8
21°	5073.4	5055.2	5096.1	5169.1	5273.9	5463.7	5781.7	6208.0	6793.1	7519.4	8247.2
22°	5092.4	5072.5	5118.9	5196.5	5304.2	5501.7	5832.0	6277.9	6902.6	7671.6	8431.0
23°	5113.3	5093.4	5142.5	5226.5	5336.0	5541.3	5882.5	6348.2	7015.8	7825.9	8610.2
24°	5137.7	5117.9	5168.3	5257.7	5367.4	5583.1	5934.6	6417.9	7127.7	7976.7	8782.6
25°	5164.0	5145.1	5197.5	5291.4	5399.5	5626.3	5984.9	6490.2	7241.4	8125.6	8950.0
26°	5193.2	5176.9	5229.8	5324.7	5432.3	5668.4	6036.7	6561.0	7356.2	8267.7	9114.1
27°	5226.2	5212.8	5264.8	5356.9	5466.1	5711.5	6088.3	6635.8	7470.9	8411.0	9281.5
28°	5262.0	5252.2	5303.6	5389.4	5502.3	5755.5	6141.9	6715.2	7588.8	8550.4	9452.2
29°	5301.1	5294.9	5344.0	5424.2	5539.2	5798.3	6198.0	6797.4	7710.7	8692.6	9616.3
30°	5341.5	5341.7	5384.6	5458.5	5577.6	5841.9	6256.2	6884.1	7834.0	8840.7	9778.6
31°	5381.5	5388.3	5424.8	5493.9	5617.3	5884.8	6314.9	6975.0	7963.5	8995.4	9952.8
32°	5422.7	5439.9	5466.0	5529.5	5656.6	5928.3	6371.7	7065.2	8095.2	9146.9	10104.2
33°	5464.9	5491.9	5507.6	5566.3	5696.5	5970.3	6429.1	7162.0	8232.1	9293.2	10249.7
34°	5507.9	5542.3	5548.9	5603.0	5735.2	6009.8	6488.1	7259.0	8360.6	9429.5	10367.5
35°	5551.2	5595.8	5591.8	5642.7	5774.9	6050.6	6548.3	7355.9	8481.4	9549.8	10450.0
36°	5595.5	5651.5	5635.3	5685.9	5815.1	6093.7	6606.8	7448.3	8596.7	9644.0	10485.3
37°	5641.0	5705.3	5677.5	5735.1	5860.0	6137.7	6661.1	7545.3	8695.1	9700.4	10488.7
38°	5683.0	5758.2	5717.9	5787.2	5911.9	6184.0	6715.7	7635.7	8770.0	9727.3	10468.5
39°	5724.0	5814.4	5758.0	5842.9	5967.6	6233.0	6765.6	7716.6	8823.8	9744.2	10447.4
40°	5767.5	5870.7	5800.1	5898.7	6025.9	6281.9	6819.1	7787.8	8861.7	9761.8	10442.4
41°	5811.8	5922.3	5845.8	5954.9	6088.0	6334.8	6870.7	7852.8	8897.0	9787.9	10458.4
42°	5857.2	5974.5	5894.0	6009.9	6153.9	6389.9	6927.4	7913.3	8945.0	9822.4	10491.2
43°	5903.7	6024.2	5943.4	6063.6	6220.6	6447.5	6991.9	7974.7	9009.7	9864.5	10529.0
44°	5951.0	6073.5	5995.1	6118.0	6285.4	6512.9	7060.2	8034.4	9081.3	9917.4	10564.4

REPORT NUMBER: P1445076

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6000.7	6122.1	6046.9	6171.7	6350.3	6581.2	7128.4	8091.9	9149.4	9978.0	10594.7
46°	6052.5	6168.7	6102.4	6226.2	6413.7	6653.5	7194.4	8149.7	9215.8	10043.6	10619.9
47°	6109.3	6217.9	6160.3	6280.0	6477.3	6729.9	7265.8	8209.5	9282.3	10108.4	10637.6
48°	6171.6	6260.0	6222.1	6333.9	6539.0	6809.2	7345.3	8261.9	9353.8	10167.3	10649.3
49°	6237.3	6302.5	6286.5	6391.2	6601.8	6886.0	7424.5	8309.7	9425.3	10221.1	10658.6
50°	6302.0	6344.8	6354.5	6452.4	6665.9	6961.0	7503.7	8352.6	9490.9	10268.2	10662.8
51°	6368.9	6390.4	6421.5	6516.8	6730.6	7032.0	7581.6	8392.7	9553.2	10311.2	10662.8
52°	6437.1	6433.3	6491.5	6585.9	6799.1	7102.7	7656.4	8434.3	9608.7	10349.8	10659.4
53°	6505.7	6473.4	6560.2	6658.5	6869.3	7176.1	7725.0	8471.3	9658.3	10384.3	10653.5
54°	6573.7	6512.0	6626.2	6733.0	6943.7	7251.0	7787.3	8506.7	9700.4	10412.9	10640.9
55°	6635.1	6552.0	6685.2	6811.6	7023.9	7329.5	7844.4	8535.3	9734.9	10432.3	10622.4
56°	6688.2	6591.0	6737.5	6889.8	7108.7	7409.9	7896.5	8561.4	9760.1	10448.3	10593.0
57°	6732.7	6629.4	6786.2	6969.6	7198.8	7488.5	7944.0	8584.9	9771.9	10454.2	10554.3
58°	6775.9	6666.6	6830.1	7040.6	7294.9	7567.1	7987.1	8600.1	9778.6	10445.8	10497.1
59°	6816.6	6703.3	6870.7	7106.3	7393.5	7645.3	8023.4	8604.3	9774.4	10427.2	10434.8
60°	6854.8	6735.1	6905.9	7173.7	7495.0	7720.9	8050.5	8599.2	9753.4	10401.2	10359.9
61°	6886.3	6764.5	6935.4	7247.9	7598.2	7796.0	8068.0	8593.3	9718.9	10365.0	10281.7
62°	6911.6	6795.1	6962.7	7322.5	7703.8	7874.6	8076.2	8580.7	9673.5	10310.3	10189.2
63°	6941.1	6823.6	6992.4	7387.4	7805.8	7951.6	8079.2	8550.4	9612.9	10238.8	10076.4
64°	6967.9	6852.9	7023.8	7447.5	7912.3	8024.1	8071.6	8504.2	9535.5	10148.8	9935.1
65°	6992.5	6858.3	7045.4	7508.8	8015.8	8093.2	8050.8	8425.1	9428.7	10036.9	9766.0
66°	7006.2	6822.4	7043.9	7572.9	8111.3	8154.9	8003.9	8300.2	9284.8	9898.1	9569.2
67°	6999.3	6782.0	7026.4	7625.9	8203.0	8192.6	7918.6	8132.2	9093.9	9738.3	9354.7
68°	6978.9	6710.8	7000.6	7669.1	8281.2	8197.4	7785.1	7859.0	8849.1	9538.9	9119.9
69°	6917.1	6525.7	6927.2	7691.6	8346.3	8171.3	7575.5	7430.1	8537.0	9296.6	8869.3
70°	6780.4	6212.3	6766.9	7693.4	8393.5	8108.8	7236.7	6825.2	8108.9	9008.1	8592.5
71°	6536.9	5736.3	6493.7	7664.8	8416.7	7988.6	6759.1	6124.4	7544.4	8657.3	8300.9
72°	6142.2	5151.8	6067.7	7595.4	8395.8	7813.7	6234.9	5498.9	6909.5	8268.4	8007.1
73°	5595.1	4551.9	5542.2	7484.4	8290.1	7550.2	5746.5	4935.8	6228.8	7791.2	7700.1
74°	4999.2	3951.1	4944.0	7272.2	8087.2	7236.7	5279.2	4294.1	5560.7	7237.7	7369.0
75°	4379.9	3199.1	4302.2	6933.7	7796.7	6908.5	4634.8	3303.3	4808.1	6619.8	6972.5
76°	3717.1	2408.4	3631.7	6531.9	7355.0	6554.7	3678.2	2060.5	3857.1	5969.3	6503.1
77°	2969.4	1885.5	2930.1	6063.3	6684.5	6080.3	2603.2	963.5	2663.1	5222.2	5849.6
78°	2478.9	1977.3	2514.7	5460.2	5771.3	5328.9	1528.1	703.7	1446.9	4319.9	4937.9
79°	2563.9	2493.7	2704.3	4676.4	4761.8	4185.0	455.7	470.4	643.3	3277.1	3865.5
80°	3081.2	2846.3	3204.9	3867.3	3770.7	2956.6	297.1	237.0	457.1	2065.8	2676.8
81°	3260.5	2207.4	3196.4	3155.1	2929.3	1728.3	244.3	203.5	272.6	984.3	1481.1
82°	2465.9	1568.5	2398.9	2861.7	2331.4	523.9	209.7	177.3	225.6	718.6	1068.6
83°	1671.3	932.1	1601.3	2255.4	1733.5	351.7	175.0	151.8	191.0	466.2	677.6
84°	880.3	497.4	807.9	1649.2	1138.1	288.4	140.4	126.1	158.5	213.7	286.7
85°	465.2	299.9	450.0	1043.1	662.6	234.8	111.9	99.1	123.5	159.8	241.4
86°	372.6	105.0	360.5	580.3	466.6	181.1	86.2	74.4	92.6	122.0	194.4
87°	280.0	70.8	271.0	464.5	270.5	127.6	62.4	49.8	66.4	89.3	138.1
88°	187.4	36.6	181.5	348.8	76.1	96.8	43.0	25.2	40.4	57.0	75.4
89°	94.9	3.3	92.0	233.1	40.3	66.1	23.7	8.4	14.3	43.3	56.8

REPORT NUMBER: P1445076

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5378.9	5378.9	5378.9
1°	5443.1	5453.1	5457.0
2°	5523.9	5542.0	5547.4
3°	5614.3	5641.5	5649.9
4°	5714.0	5752.3	5764.6
5°	5822.3	5874.5	5891.2
6°	5941.7	6009.1	6031.4
7°	6070.8	6155.1	6182.8
8°	6208.4	6310.7	6344.1
9°	6358.2	6481.3	6522.6
10°	6520.0	6668.4	6715.5
11°	6694.2	6868.1	6924.4
12°	6880.0	7080.3	7148.9
13°	7082.0	7310.7	7391.2
14°	7289.3	7552.2	7646.8
15°	7506.9	7803.9	7912.7
16°	7736.9	8066.3	8186.3
17°	7974.8	8327.5	8456.2
18°	8210.3	8592.5	8722.9
19°	8438.5	8843.2	8982.8
20°	8661.5	9084.6	9236.0
21°	8877.7	9312.6	9473.3
22°	9083.8	9531.3	9697.9
23°	9280.6	9747.5	9905.7
24°	9473.3	9955.3	10106.7
25°	9665.1	10155.5	10298.5
26°	9855.2	10338.1	10460.9
27°	10039.4	10498.7	10609.8
28°	10204.3	10638.4	10743.6
29°	10360.8	10783.1	10886.6
30°	10518.9	10942.1	11056.5
31°	10676.3	11089.3	11198.7
32°	10824.3	11197.0	11304.7
33°	10931.2	11250.0	11345.9
34°	10987.5	11239.9	11322.3
35°	10988.4	11173.4	11241.6
36°	10951.3	11071.6	11134.7
37°	10882.4	10972.4	11044.7
38°	10820.1	10906.8	11002.7
39°	10789.0	10878.2	10987.5
40°	10778.0	10863.9	10982.5
41°	10775.5	10857.1	10978.3
42°	10775.5	10849.5	10965.6
43°	10776.4	10840.3	10941.2
44°	10776.4	10824.3	10902.5

REPORT NUMBER: P1445076

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10773.8	10796.6	10851.2
46°	10768.8	10759.5	10788.1
47°	10757.9	10718.3	10720.0
48°	10741.9	10673.7	10647.7
49°	10714.1	10627.5	10572.8
50°	10680.5	10582.9	10492.0
51°	10637.6	10530.7	10400.3
52°	10587.9	10465.9	10297.7
53°	10535.8	10388.5	10184.1
54°	10481.9	10289.3	10056.3
55°	10420.5	10173.2	9914.1
56°	10346.5	10039.4	9752.6
57°	10254.8	9883.8	9570.0
58°	10142.1	9704.6	9367.3
59°	10017.6	9501.0	9151.1
60°	9874.5	9278.9	8892.0
61°	9708.0	9025.7	8570.6
62°	9526.3	8722.0	8188.2
63°	9334.5	8367.6	7759.0
64°	9121.6	7980.9	7334.2
65°	8883.6	7620.3	6965.3
66°	8627.0	7309.8	6672.6
67°	8372.9	7045.9	6485.2
68°	8120.5	6846.2	6389.3
69°	7901.3	6690.7	6305.9
70°	7709.2	6553.5	6070.1
71°	7510.2	6332.9	5601.8
72°	7283.3	5942.8	4977.3
73°	7068.0	5402.5	4352.1
74°	6793.9	4781.8	3773.5
75°	6386.6	4108.5	2932.4
76°	5847.7	3288.3	1793.5
77°	5224.7	2201.0	793.7
78°	4428.7	1105.8	596.5
79°	3326.4	798.7	413.1
80°	1931.9	520.9	229.7
81°	923.9	243.2	200.3
82°	689.1	201.8	176.3
83°	460.2	176.1	152.9
84°	231.4	147.6	129.5
85°	168.9	118.5	105.3
86°	126.9	92.1	78.9
87°	93.1	68.1	57.2
88°	74.7	44.2	35.6
89°	56.8	20.2	13.9

REPORT NUMBER: P1445076

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445076

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)