

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: P1436813

Luminaire Tested: XAS300-SFPM (4000K-300W-T3)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436813
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-300W-T3)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 3
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

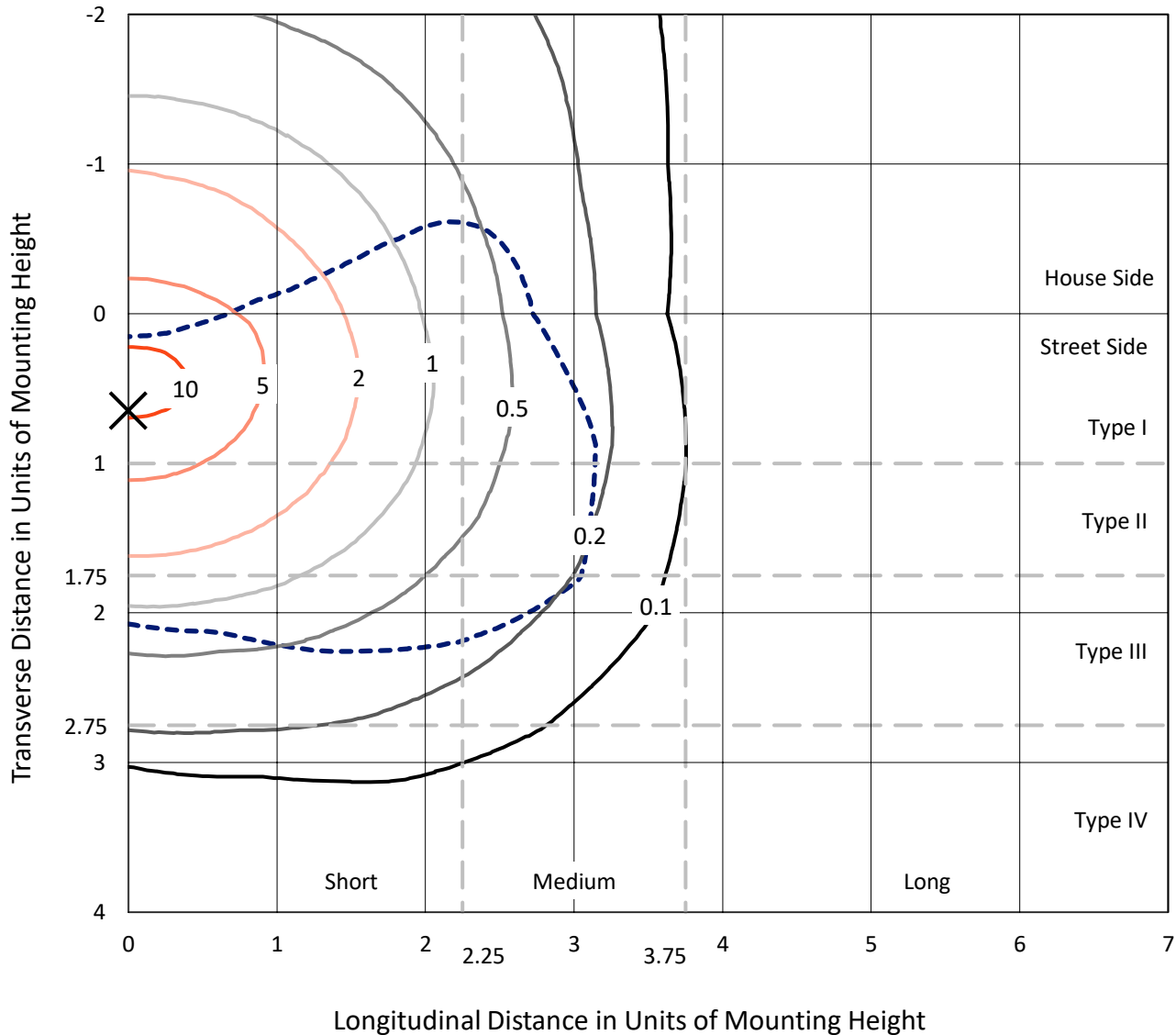
Lumens per Lamp: 45292 (1 lamp)
Luminaire Lumens: 44612.2 lumens
Efficiency: 98.5%
Efficacy: 155.9 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 286.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

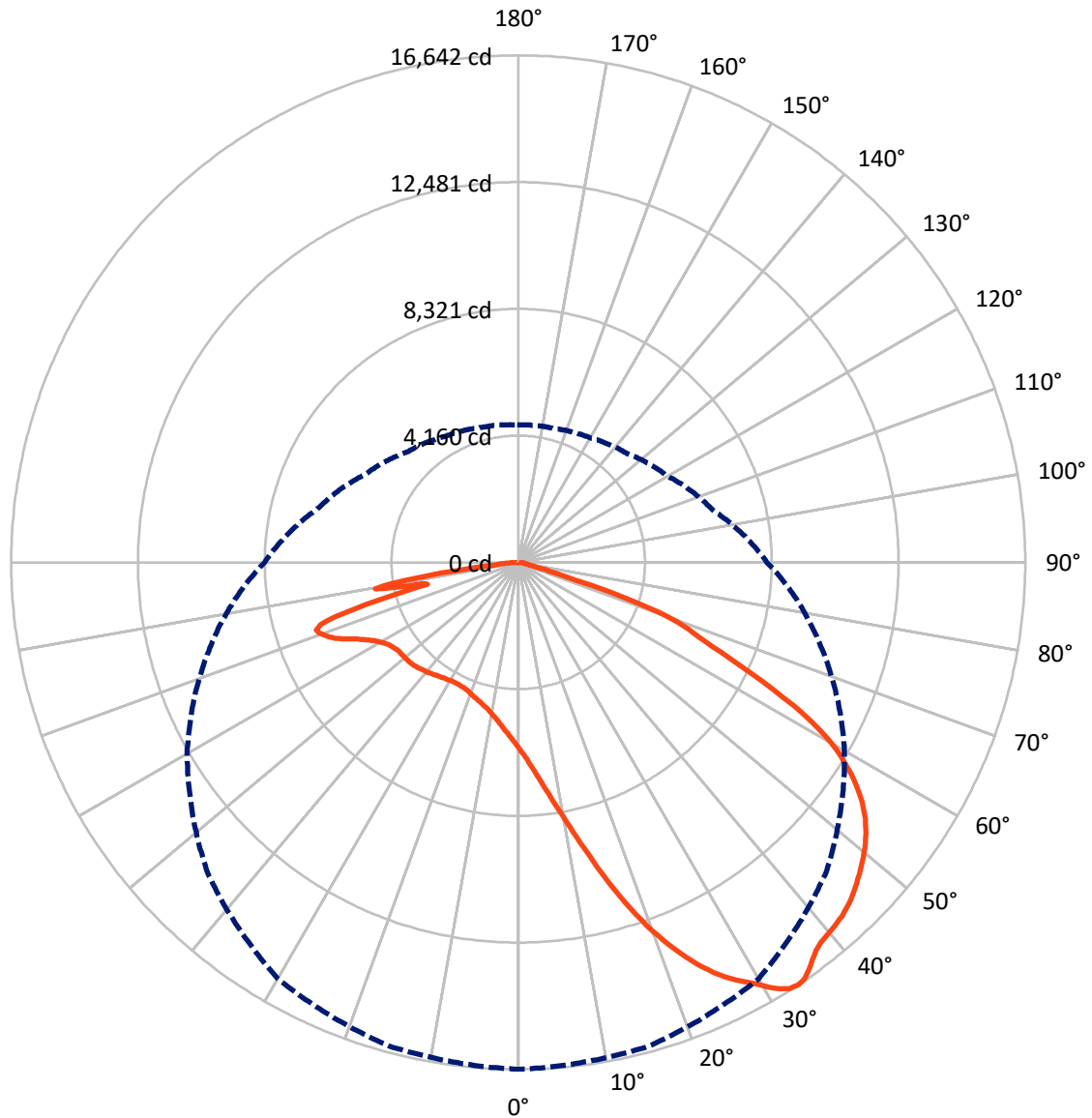
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

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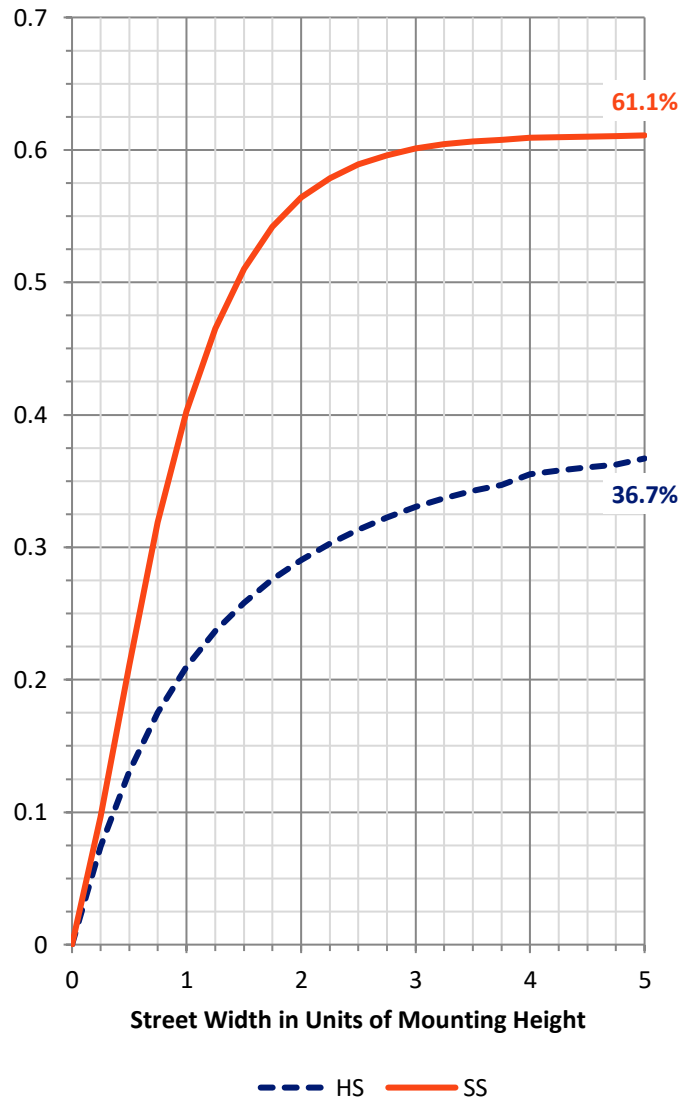
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16917.0	0.0	16917.0
	% Lamp	37.4	0.0	37.4
Street Side	Lumens	27695.3	0.0	27695.3
	% Lamp	61.1	0.0	61.1
Total	Lumens	44612.2	0.0	44612.2
	% Lamp	98.5	0.0	98.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	608.8	1.4	1.3
10°-20°	2069.1	4.6	4.6
20°-30°	4007.1	9.0	8.8
30°-40°	6058.4	13.6	13.4
40°-50°	7646.5	17.1	16.9
50°-60°	8820.3	19.8	19.5
60°-70°	8792.7	19.7	19.4
70°-80°	5733.9	12.9	12.7
80°-90°	875.5	2.0	1.9
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°	44612.2	100.0	98.5
0°-180°	44612.2	100.0	98.5

Coefficient of Utilization



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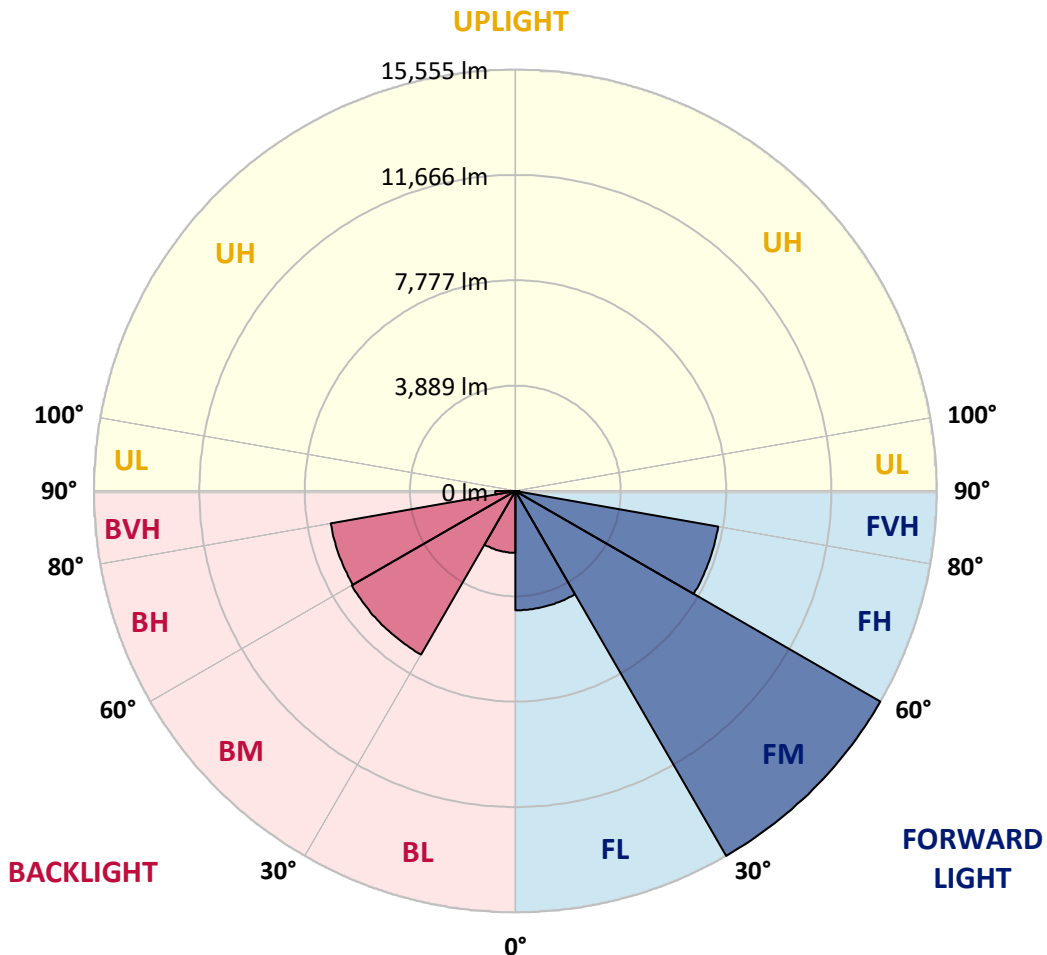
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4402.5	9.7			
FM (30°-60°)	15554.5	34.3			
FH (60°-80°)	7603.5	16.8			G4/12000
FVH (80°-90°)	134.7	0.3			G2/225
BL (0°-30°)	2282.4	5.0	B3/2500		
BM (30°-60°)	6970.7	15.4	B4/8500		
BH (60°-80°)	6923.1	15.3	B5		G5
BVH (80°-90°)	740.8	1.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	679.8	1.5			

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8
1°	6296.3	6294.3	6279.8	6258.8	6229.0	6193.9	6124.4	6085.3	6052.2	6024.2	6004.4
2°	6472.1	6463.5	6430.3	6376.6	6310.0	6235.3	6125.6	6048.2	5981.0	5925.1	5885.8
3°	6667.6	6648.2	6591.7	6505.8	6399.5	6282.7	6131.3	6017.3	5917.0	5835.6	5777.0
4°	6886.1	6854.3	6773.8	6652.6	6500.4	6338.5	6144.0	5992.0	5861.6	5755.0	5681.1
5°	7122.3	7082.8	6972.2	6807.1	6613.3	6402.9	6164.1	5974.2	5810.8	5683.3	5592.5
6°	7385.1	7334.0	7192.9	6982.7	6734.2	6470.7	6186.1	5959.2	5767.1	5617.6	5505.2
7°	7666.1	7608.2	7433.2	7171.5	6863.4	6544.1	6211.1	5947.4	5726.8	5551.4	5421.0
8°	7969.5	7893.2	7687.8	7375.6	7003.2	6623.7	6242.1	5939.8	5690.0	5488.8	5345.1
9°	8296.7	8207.8	7965.7	7592.8	7152.2	6711.0	6278.2	5934.6	5652.6	5431.4	5273.4
10°	8647.4	8542.4	8254.9	7827.7	7313.4	6804.5	6318.3	5933.0	5619.1	5380.3	5207.8
11°	9027.8	8904.4	8571.6	8076.6	7482.7	6904.6	6360.6	5934.0	5586.5	5331.3	5147.5
12°	9423.1	9282.9	8905.0	8336.4	7664.8	7011.4	6408.7	5939.6	5559.4	5286.2	5094.4
13°	9854.9	9697.1	9254.7	8611.7	7857.6	7124.1	6463.1	5947.8	5535.8	5244.1	5045.4
14°	10310.0	10128.8	9627.5	8902.8	8061.4	7244.8	6525.1	5960.1	5513.8	5206.5	5001.8
15°	10775.9	10572.0	10009.6	9203.1	8269.8	7368.8	6589.5	5977.2	5497.5	5172.5	4964.4
16°	11250.7	11021.2	10401.6	9515.8	8490.1	7500.5	6658.4	5998.0	5484.8	5142.1	4927.9
17°	11726.4	11472.3	10796.6	9829.2	8718.5	7642.8	6730.8	6020.8	5473.8	5116.0	4897.1
18°	12193.3	11922.4	11194.5	10148.5	8953.0	7788.6	6807.9	6048.7	5466.5	5094.4	4869.5
19°	12649.4	12358.8	11582.6	10466.6	9184.0	7937.3	6887.9	6080.5	5465.9	5075.2	4846.3
20°	13084.7	12784.3	11960.9	10777.9	9419.9	8088.9	6970.9	6115.0	5467.8	5061.6	4826.9
21°	13500.4	13193.1	12328.3	11088.1	9656.4	8245.5	7054.7	6151.2	5472.2	5050.8	4808.0
22°	13878.6	13571.3	12673.0	11388.6	9890.4	8401.6	7140.0	6189.6	5481.5	5042.2	4791.5
23°	14248.0	13941.7	13009.9	11682.1	10130.7	8563.7	7224.1	6227.3	5491.6	5037.1	4779.9
24°	14589.8	14286.4	13337.9	11963.8	10358.3	8719.8	7308.3	6264.5	5503.5	5033.5	4768.3
25°	14916.8	14622.3	13655.1	12241.6	10581.9	8877.9	7392.9	6299.1	5517.7	5032.9	4758.2
26°	15198.6	14918.8	13963.4	12511.5	10804.5	9042.6	7478.0	6335.8	5533.9	5031.9	4748.2
27°	15445.8	15182.8	14257.9	12770.5	11030.0	9208.2	7564.4	6372.5	5549.6	5031.9	4739.2
28°	15668.4	15416.2	14526.8	13032.5	11244.8	9370.8	7654.5	6407.6	5564.7	5033.3	4731.4
29°	15902.8	15640.8	14778.9	13286.7	11455.6	9542.9	7748.5	6445.2	5579.9	5033.5	4726.9
30°	16185.5	15908.7	15037.0	13543.8	11665.4	9719.5	7846.9	6485.2	5597.5	5034.5	4724.9
31°	16417.0	16157.0	15309.9	13806.7	11884.0	9892.4	7949.0	6526.5	5616.8	5038.3	4723.6
32°	16585.4	16348.0	15566.0	14065.8	12115.5	10063.7	8054.8	6571.6	5637.6	5044.9	4723.0
33°	16641.6	16452.5	15779.7	14315.0	12362.7	10235.1	8163.7	6614.6	5657.7	5051.2	4721.7
34°	16586.4	16432.8	15911.7	14546.5	12604.1	10430.2	8276.0	6666.6	5677.2	5059.7	4721.7
35°	16430.8	16303.7	15926.5	14720.8	12805.0	10635.0	8391.9	6721.8	5700.1	5071.1	4725.9
36°	16228.9	16134.3	15843.7	14821.3	12983.3	10838.0	8510.4	6780.1	5727.9	5085.6	4737.8
37°	16051.6	15937.3	15711.7	14835.1	13113.3	11004.4	8631.9	6832.6	5757.6	5105.9	4758.0
38°	15952.1	15804.3	15574.8	14782.9	13201.0	11148.2	8756.0	6885.2	5789.0	5133.8	4787.3
39°	15894.0	15733.4	15469.4	14717.9	13233.5	11261.5	8881.5	6941.6	5823.0	5168.9	4819.8
40°	15848.6	15686.1	15412.3	14673.5	13222.6	11336.4	8988.8	7001.6	5860.7	5209.7	4856.4
41°	15797.4	15647.7	15379.8	14647.9	13219.7	11375.8	9073.3	7070.7	5903.6	5255.0	4892.9
42°	15733.4	15605.4	15356.2	14647.0	13237.4	11410.2	9135.3	7130.0	5949.2	5302.2	4926.7
43°	15653.6	15557.1	15328.6	14665.7	13266.0	11454.6	9179.5	7177.1	6002.1	5353.7	4956.6
44°	15557.1	15498.0	15295.1	14687.3	13302.4	11521.5	9221.8	7220.0	6056.2	5404.4	4984.2



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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	15438.9	15422.1	15252.7	14702.1	13352.7	11594.4	9272.1	7268.1	6110.4	5456.1	5008.2
46°	15307.9	15331.5	15199.5	14708.0	13407.8	11667.3	9330.8	7319.3	6164.6	5506.4	5028.9
47°	15171.0	15231.1	15133.5	14704.1	13468.9	11742.2	9391.1	7378.1	6217.3	5553.3	5048.7
48°	15031.1	15126.6	15059.7	14687.3	13523.1	11814.1	9451.4	7441.8	6273.2	5598.8	5068.6
49°	14889.3	15011.4	14967.1	14660.7	13571.3	11885.0	9509.1	7510.4	6331.4	5642.0	5093.7
50°	14737.6	14891.2	14866.6	14622.3	13608.8	11951.0	9564.7	7586.7	6389.0	5681.0	5121.3
51°	14570.1	14755.3	14753.3	14575.0	13642.2	12010.1	9613.8	7663.3	6446.2	5722.2	5154.5
52°	14380.0	14596.7	14626.3	14515.9	13669.8	12063.3	9657.3	7736.8	6502.3	5764.5	5192.2
53°	14168.2	14417.4	14494.3	14450.9	13683.6	12106.6	9696.0	7810.8	6567.0	5811.4	5238.9
54°	13919.0	14201.7	14350.5	14370.2	13686.6	12142.1	9729.8	7880.9	6638.4	5863.0	5290.1
55°	13646.2	13946.6	14189.9	14272.6	13680.7	12168.7	9760.0	7948.6	6710.1	5922.5	5347.2
56°	13327.0	13655.1	14003.7	14159.4	13660.0	12185.4	9787.7	8017.2	6785.0	5988.5	5405.7
57°	12967.5	13325.1	13788.0	14029.4	13624.5	12192.3	9807.6	8082.9	6867.9	6062.9	5468.9
58°	12558.8	12948.8	13538.8	13879.6	13567.4	12187.4	9818.1	8143.2	6955.0	6144.0	5541.8
59°	12124.4	12534.1	13262.0	13715.1	13492.5	12168.7	9820.3	8193.7	7045.5	6231.0	5619.0
60°	11603.3	12075.1	12951.8	13528.0	13396.0	12132.2	9812.3	8243.5	7135.9	6324.2	5703.5
61°	10964.0	11549.1	12603.1	13311.3	13273.9	12071.2	9788.9	8286.3	7234.7	6426.7	5795.9
62°	10206.6	10915.8	12213.0	13060.1	13135.0	11984.5	9748.5	8318.7	7336.5	6538.5	5896.9
63°	9349.1	10207.6	11761.9	12777.4	12972.4	11886.0	9706.3	8340.7	7437.9	6659.0	6001.1
64°	8480.3	9441.0	11265.4	12460.2	12782.3	11763.9	9647.6	8349.7	7531.9	6791.6	6115.2
65°	7667.3	8674.6	10702.0	12102.7	12571.6	11616.1	9566.1	8345.7	7622.9	6935.0	6249.7
66°	6975.8	7942.8	10109.1	11696.9	12328.3	11449.6	9451.5	8329.7	7698.9	7084.8	6413.4
67°	6435.0	7269.4	9509.9	11239.8	12036.7	11233.9	9291.9	8277.7	7775.2	7244.8	6600.3
68°	6003.6	6683.3	8897.0	10732.6	11707.7	10955.2	9060.2	8184.4	7840.9	7416.4	6811.8
69°	5565.7	6183.2	8287.4	10178.0	11315.7	10615.3	8717.7	8010.3	7896.7	7597.9	7051.7
70°	4879.9	5677.7	7680.8	9591.9	10855.7	10193.8	8206.9	7706.7	7929.4	7789.4	7315.0
71°	3808.2	5016.5	7095.7	8998.2	10339.5	9650.1	7512.0	7261.6	7910.7	7993.1	7597.4
72°	2529.3	4094.8	6499.5	8408.2	9758.9	9011.8	6748.2	6721.3	7822.8	8196.9	7861.3
73°	1418.7	2968.8	5856.5	7817.8	9131.3	8244.6	5991.3	6186.1	7647.3	8408.4	8143.0
74°	1076.5	1857.4	5132.4	7207.5	8418.2	7378.2	5273.8	5751.8	7407.1	8593.7	8431.2
75°	741.8	1042.8	4328.0	6528.0	7651.3	6402.9	4453.5	5358.2	7133.0	8707.4	8657.9
76°	407.0	813.6	3422.8	5771.5	6787.0	5380.8	3294.2	4750.8	6919.0	8704.1	8794.1
77°	343.0	598.2	2555.9	4804.9	5809.6	4191.4	2135.1	3750.6	6746.0	8556.5	8749.7
78°	299.0	382.8	1878.7	3632.3	4715.6	2871.1	987.4	2674.6	6527.2	8215.1	8373.4
79°	267.7	323.2	1354.7	2331.2	3556.8	1642.2	434.4	1598.5	5963.3	7601.3	7472.2
80°	240.5	280.8	954.1	1249.8	2462.3	836.0	305.0	539.7	4798.9	6596.5	6456.3
81°	214.8	244.2	675.5	953.3	1415.9	575.8	263.7	350.8	3408.6	5349.8	5605.9
82°	190.3	212.9	400.4	674.0	1025.0	327.4	231.9	285.0	2018.3	4081.0	5021.1
83°	164.9	186.7	323.1	394.8	648.2	266.5	200.1	235.3	658.0	3088.5	4700.0
84°	139.9	158.3	265.9	338.1	271.5	223.2	168.3	186.0	437.2	2370.7	3560.6
85°	114.3	130.9	199.2	289.8	210.0	181.7	138.6	147.5	357.3	1652.8	2421.0
86°	88.0	104.2	139.9	241.6	162.7	138.3	108.7	113.9	288.3	935.8	1282.6
87°	61.8	78.5	104.2	186.0	120.8	99.6	78.3	84.5	219.2	646.2	693.0
88°	35.5	52.9	72.5	122.9	83.9	69.3	49.9	58.5	150.8	356.5	519.7
89°	16.6	27.3	40.9	65.3	47.0	39.3	34.9	40.7	102.0	71.0	346.4



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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8	6138.8
1°	5994.8	5994.9	6005.2	6025.4	6053.9	6089.6	6127.0	6137.1	6174.8	6212.6	6244.7
2°	5863.5	5860.2	5876.4	5912.1	5964.5	6029.5	6103.3	6150.3	6228.1	6305.1	6370.8
3°	5745.2	5738.8	5759.3	5806.0	5879.6	5972.9	6082.4	6168.5	6287.6	6405.8	6508.9
4°	5639.1	5629.2	5654.0	5711.6	5802.6	5922.0	6063.2	6188.6	6350.1	6514.6	6662.6
5°	5536.6	5524.8	5554.4	5622.2	5730.7	5871.5	6047.2	6212.1	6416.8	6631.0	6824.6
6°	5438.8	5421.6	5454.8	5535.3	5661.7	5827.5	6035.5	6241.5	6489.0	6752.7	6999.8
7°	5344.1	5324.5	5361.7	5451.1	5593.5	5786.6	6024.6	6271.7	6568.2	6885.0	7188.3
8°	5258.3	5234.7	5274.8	5376.0	5529.1	5745.0	6016.2	6304.3	6650.0	7026.9	7387.3
9°	5176.0	5148.9	5192.6	5301.2	5470.5	5704.4	6010.6	6340.4	6737.2	7176.4	7604.0
10°	5100.9	5071.9	5116.6	5231.4	5415.4	5668.2	6009.7	6381.8	6833.0	7334.8	7834.1
11°	5033.3	5000.9	5048.1	5168.8	5364.6	5638.0	6013.0	6430.7	6938.4	7506.3	8079.2
12°	4975.6	4937.3	4984.2	5111.4	5317.4	5612.9	6021.6	6484.5	7050.0	7687.5	8339.5
13°	4922.7	4879.4	4929.9	5058.3	5273.9	5591.7	6033.9	6540.5	7166.2	7883.7	8616.8
14°	4872.6	4827.3	4878.8	5013.9	5234.8	5573.7	6048.4	6599.7	7287.5	8087.1	8910.6
15°	4830.0	4781.2	4832.1	4972.7	5202.2	5559.4	6065.6	6665.1	7413.2	8299.7	9211.8
16°	4790.2	4739.0	4791.5	4934.8	5175.3	5547.7	6087.6	6736.6	7546.7	8521.1	9528.9
17°	4753.8	4701.8	4755.9	4904.4	5153.9	5542.4	6115.8	6810.0	7688.6	8754.0	9851.0
18°	4722.0	4666.7	4724.6	4876.5	5134.5	5541.2	6146.9	6888.6	7833.2	8987.8	10181.9
19°	4691.9	4630.7	4695.4	4856.0	5118.9	5545.1	6182.7	6971.5	7983.0	9227.0	10507.0
20°	4660.8	4594.0	4668.3	4839.0	5107.7	5553.8	6221.3	7055.9	8134.9	9471.7	10827.1
21°	4629.1	4561.5	4641.9	4826.7	5101.3	5567.8	6264.4	7142.7	8294.0	9718.2	11142.3
22°	4600.3	4530.5	4619.4	4816.5	5097.4	5582.9	6308.4	7228.5	8453.4	9964.3	11440.8
23°	4575.9	4504.9	4598.8	4808.4	5097.1	5600.0	6351.4	7316.0	8621.0	10208.5	11740.2
24°	4554.4	4485.0	4581.1	4801.2	5097.7	5620.2	6393.2	7402.0	8785.7	10449.9	12021.9
25°	4538.6	4470.2	4567.6	4797.9	5098.1	5640.0	6436.1	7491.5	8950.3	10684.3	12297.7
26°	4528.2	4460.6	4560.7	4794.6	5099.6	5660.2	6479.7	7579.6	9116.8	10909.9	12569.6
27°	4522.2	4455.8	4558.5	4790.7	5100.7	5679.5	6521.0	7672.3	9286.7	11141.3	12846.4
28°	4521.1	4456.8	4560.2	4786.4	5103.0	5699.2	6563.9	7768.4	9461.7	11365.9	13128.1
29°	4522.3	4461.7	4564.1	4784.1	5106.9	5716.3	6608.3	7870.2	9646.7	11591.5	13398.0
30°	4525.7	4469.1	4569.1	4781.8	5111.4	5734.1	6655.9	7976.5	9829.1	11827.9	13664.9
31°	4531.4	4480.4	4573.7	4779.9	5118.3	5751.5	6706.7	8089.3	10027.3	12076.1	13944.6
32°	4538.8	4495.0	4579.8	4777.5	5124.9	5768.4	6758.2	8206.9	10226.3	12319.4	14190.9
33°	4546.5	4512.0	4587.4	4777.3	5133.5	5787.4	6810.9	8331.5	10434.1	12549.9	14420.4
34°	4555.8	4528.2	4595.7	4779.3	5143.4	5806.0	6867.5	8459.9	10634.1	12758.7	14608.5
35°	4565.7	4548.4	4605.4	4785.3	5156.6	5830.2	6930.4	8587.3	10815.3	12945.9	14731.7
36°	4578.4	4571.3	4616.8	4798.7	5173.1	5855.7	6991.1	8703.6	10988.7	13084.7	14770.1
37°	4592.7	4593.7	4629.7	4823.4	5196.4	5884.2	7044.4	8819.4	11134.4	13158.6	14754.3
38°	4605.6	4618.7	4641.6	4854.6	5229.9	5914.7	7095.6	8932.9	11234.9	13180.3	14696.2
39°	4617.4	4645.7	4651.1	4891.9	5269.9	5947.1	7137.9	9022.7	11300.9	13180.3	14632.2
40°	4631.1	4674.7	4661.2	4930.3	5314.2	5980.8	7184.8	9092.4	11335.4	13178.3	14598.7
41°	4644.0	4695.9	4672.8	4963.8	5361.8	6019.0	7225.7	9152.1	11362.0	13193.1	14600.7
42°	4655.7	4720.0	4686.1	4997.2	5412.2	6060.4	7270.6	9205.8	11405.3	13220.7	14624.3
43°	4667.1	4744.4	4702.3	5026.2	5461.8	6105.8	7321.8	9261.9	11475.2	13260.1	14655.8
44°	4677.8	4768.9	4717.9	5055.6	5510.3	6157.0	7376.8	9320.6	11551.1	13314.2	14682.4



REPORT NUMBER: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4689.7	4790.9	4733.4	5081.9	5559.0	6214.8	7430.6	9378.9	11625.0	13380.2	14700.1
46°	4701.6	4810.2	4749.0	5104.6	5603.4	6276.1	7485.2	9436.8	11692.9	13449.2	14703.1
47°	4718.5	4828.3	4767.9	5125.8	5646.6	6342.3	7547.4	9497.8	11758.9	13515.2	14694.2
48°	4742.0	4838.4	4792.4	5148.0	5685.4	6409.5	7620.0	9551.3	11827.9	13571.3	14673.5
49°	4768.6	4846.7	4821.6	5172.2	5724.1	6473.6	7693.6	9599.7	11895.8	13618.6	14644.0
50°	4796.4	4855.7	4854.6	5202.1	5762.2	6534.8	7768.7	9642.4	11958.9	13651.1	14603.6
51°	4827.7	4864.1	4890.7	5236.6	5802.1	6593.6	7844.3	9679.0	12012.1	13670.8	14556.3
52°	4864.3	4870.4	4929.3	5276.8	5846.8	6654.5	7919.7	9714.0	12054.4	13682.6	14498.2
53°	4906.4	4877.4	4971.4	5322.9	5896.0	6718.1	7993.3	9745.8	12086.0	13686.6	14428.3
54°	4953.2	4891.8	5016.7	5376.6	5952.5	6787.7	8061.5	9771.5	12104.7	13678.7	14346.5
55°	5005.7	4913.8	5067.3	5434.5	6015.9	6862.5	8122.1	9790.6	12112.5	13656.0	14253.0
56°	5064.0	4945.9	5125.3	5496.8	6087.2	6945.5	8182.1	9807.3	12106.6	13616.6	14136.7
57°	5128.4	4986.2	5187.8	5565.5	6168.1	7033.9	8234.3	9817.0	12088.9	13564.4	13993.9
58°	5197.1	5039.6	5258.2	5641.2	6258.6	7125.1	8281.3	9821.2	12060.3	13486.6	13823.5
59°	5276.9	5104.6	5332.8	5724.9	6356.4	7215.4	8324.8	9807.6	12016.0	13392.1	13636.3
60°	5357.3	5183.1	5411.9	5814.2	6461.3	7307.7	8359.8	9781.9	11949.0	13282.7	13432.4
61°	5440.5	5278.5	5499.6	5916.1	6576.5	7396.7	8383.4	9755.9	11869.2	13154.7	13209.8
62°	5531.4	5391.1	5601.3	6022.2	6699.7	7486.6	8395.0	9722.6	11774.7	13000.0	12961.6
63°	5647.3	5521.3	5726.2	6124.6	6829.7	7574.4	8401.4	9672.1	11654.5	12816.8	12675.0
64°	5783.4	5676.1	5868.0	6242.3	6973.6	7657.2	8391.2	9600.8	11511.7	12611.0	12332.2
65°	5938.3	5858.4	6027.1	6387.0	7123.3	7737.6	8362.6	9484.8	11335.4	12366.7	11941.2
66°	6116.6	6064.7	6207.4	6560.6	7279.5	7816.8	8312.2	9316.7	11102.9	12085.0	11505.8
67°	6324.8	6287.6	6414.8	6750.8	7440.8	7876.1	8216.1	9086.9	10809.4	11773.7	11039.9
68°	6547.0	6508.9	6640.1	6965.4	7612.5	7908.0	8060.8	8739.5	10457.7	11402.4	10533.6
69°	6765.6	6668.3	6847.0	7206.7	7791.2	7915.4	7796.5	8227.9	10048.0	10967.0	9988.9
70°	6962.5	6811.2	7031.8	7471.9	7978.9	7878.9	7356.9	7539.4	9525.5	10470.6	9396.9
71°	7145.4	6942.0	7206.9	7744.0	8171.2	7787.7	6785.3	6755.4	8867.0	9906.1	8780.7
72°	7309.7	6990.2	7356.5	8011.7	8364.4	7636.5	6238.8	6002.3	8118.2	9293.1	8161.1
73°	7377.6	6797.8	7411.2	8287.9	8529.6	7406.2	5820.6	5288.8	7238.3	8582.6	7522.1
74°	7227.9	6270.1	7208.7	8541.5	8607.1	7144.9	5454.4	4512.3	6301.0	7780.0	6858.9
75°	6772.8	5186.3	6668.5	8735.3	8593.7	6935.0	4858.3	3389.3	5267.0	6900.9	6130.0
76°	5952.8	3915.2	5821.2	8813.9	8446.6	6817.2	3814.3	2076.5	4127.7	5957.6	5299.4
77°	4821.0	3060.4	4742.9	8710.0	8153.7	6641.8	2706.3	964.4	2857.2	4901.4	4246.7
78°	4033.6	3235.4	4117.6	8196.2	7679.9	6079.5	1598.2	723.0	1628.0	3772.1	2898.5
79°	4213.9	4138.2	4467.9	7214.1	6938.0	4968.9	492.9	499.1	815.0	2693.4	1660.8
80°	5145.3	4769.6	5331.4	6114.4	5926.4	3509.1	349.6	275.1	565.1	1647.1	816.9
81°	5479.9	4306.5	5350.4	5133.0	4695.5	2049.2	284.0	236.3	329.3	836.5	619.1
82°	4326.2	3132.9	3950.7	4722.6	3525.0	611.4	241.1	205.1	269.3	553.0	426.3
83°	3129.0	1959.3	2627.8	4230.2	2683.3	435.4	198.2	175.0	228.5	285.5	366.8
84°	1931.9	798.1	1323.4	3127.6	1841.7	364.1	155.7	144.7	189.6	224.3	317.5
85°	754.9	638.9	719.6	2025.1	1009.6	297.8	122.5	113.6	148.4	172.5	270.0
86°	531.1	479.8	499.3	939.2	702.9	231.1	92.8	85.3	109.1	130.2	219.1
87°	307.2	320.6	278.9	752.2	396.3	164.7	66.5	57.2	78.0	93.0	159.1
88°	89.2	161.5	60.6	565.3	94.5	124.8	46.1	29.0	47.0	75.1	87.6
89°	46.5	2.7	32.2	378.3	49.8	84.9	25.8	9.4	16.1	57.2	66.5



REPORT NUMBER: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813
 CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6138.8	6138.8	6138.8
1°	6270.4	6289.5	6296.3
2°	6424.4	6459.5	6472.1
3°	6594.1	6650.3	6667.6
4°	6780.0	6860.0	6886.1
5°	6985.9	7089.7	7122.3
6°	7207.2	7343.7	7385.1
7°	7444.1	7611.8	7666.1
8°	7698.9	7898.9	7969.5
9°	7968.6	8214.4	8296.7
10°	8259.7	8550.4	8647.4
11°	8576.4	8913.3	9027.8
12°	8906.3	9289.3	9423.1
13°	9260.3	9701.5	9854.9
14°	9628.7	10127.8	10310.0
15°	10011.5	10565.1	10775.9
16°	10407.5	11026.1	11250.7
17°	10815.3	11489.0	11726.4
18°	11222.1	11943.1	12193.3
19°	11617.1	12379.5	12649.4
20°	11997.3	12801.1	13084.7
21°	12362.7	13199.0	13500.4
22°	12708.5	13569.4	13878.6
23°	13042.4	13939.7	14248.0
24°	13363.5	14293.3	14589.8
25°	13683.6	14636.1	14916.8
26°	14003.7	14936.5	15198.6
27°	14311.1	15203.5	15445.8
28°	14587.8	15437.9	15668.4
29°	14851.8	15671.4	15902.8
30°	15109.9	15936.3	16185.5
31°	15372.9	16178.6	16417.0
32°	15613.2	16353.0	16585.4
33°	15782.7	16431.8	16641.6
34°	15865.4	16404.2	16586.4
35°	15851.6	16273.2	16430.8
36°	15770.8	16090.0	16228.9
37°	15631.0	15903.8	16051.6
38°	15506.9	15783.6	15952.1
39°	15432.0	15716.7	15894.0
40°	15389.6	15677.3	15848.6
41°	15366.0	15643.8	15797.4
42°	15341.4	15608.3	15733.4
43°	15313.8	15562.0	15653.6
44°	15283.3	15504.9	15557.1

REPORT NUMBER: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	15242.9	15426.1	15438.9
46°	15194.6	15330.5	15307.9
47°	15136.5	15223.2	15171.0
48°	15063.6	15107.9	15031.1
49°	14975.0	14993.7	14889.3
50°	14872.5	14873.5	14737.6
51°	14752.3	14747.4	14570.1
52°	14616.4	14591.8	14380.0
53°	14478.5	14406.6	14168.2
54°	14332.7	14185.0	13919.0
55°	14171.2	13924.9	13646.2
56°	13984.0	13636.3	13327.0
57°	13762.4	13308.3	12967.5
58°	13505.3	12924.2	12558.8
59°	13217.7	12503.6	12124.4
60°	12890.7	12043.6	11603.3
61°	12516.4	11516.6	10964.0
62°	12108.6	10896.1	10206.6
63°	11671.3	10186.9	9349.1
64°	11176.8	9399.3	8480.3
65°	10632.1	8641.1	7667.3
66°	10032.2	7928.1	6975.8
67°	9423.9	7270.6	6435.0
68°	8804.7	6695.1	6003.6
69°	8213.3	6170.0	5565.7
70°	7643.6	5656.5	4879.9
71°	7053.5	5009.0	3808.2
72°	6398.5	4084.5	2529.3
73°	5736.9	2961.9	1418.7
74°	5031.0	1903.1	1076.5
75°	4147.1	1106.2	741.8
76°	3215.5	865.6	407.0
77°	2437.8	628.5	343.0
78°	1797.2	391.4	299.0
79°	1293.3	325.1	267.7
80°	986.9	280.3	240.5
81°	681.5	242.9	214.8
82°	376.1	212.8	190.3
83°	308.5	189.1	164.9
84°	248.0	159.9	139.9
85°	177.8	128.4	114.3
86°	130.1	101.1	88.0
87°	94.1	75.1	61.8
88°	61.1	49.0	35.5
89°	28.1	23.0	16.6



REPORT NUMBER: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

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: P1436813
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)