

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: P1436791

Luminaire Tested: XAS300-SFPM (3000K-300W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436791  
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 (3000K-300W-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 100% (300W)  
OPTICS - TYPE 4  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

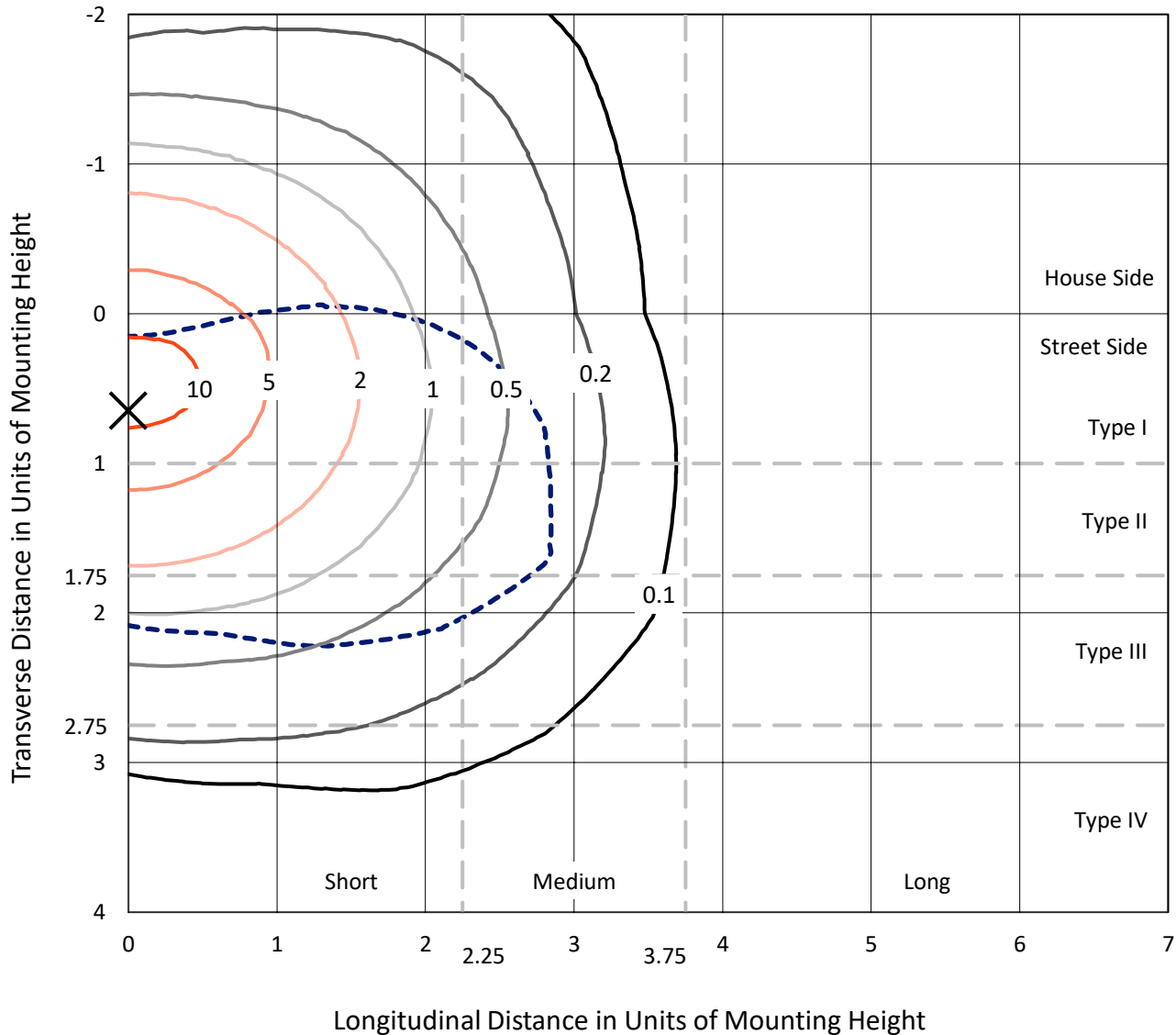
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 41780.9 lumens  
Efficiency: 108.9%  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 291.7  
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

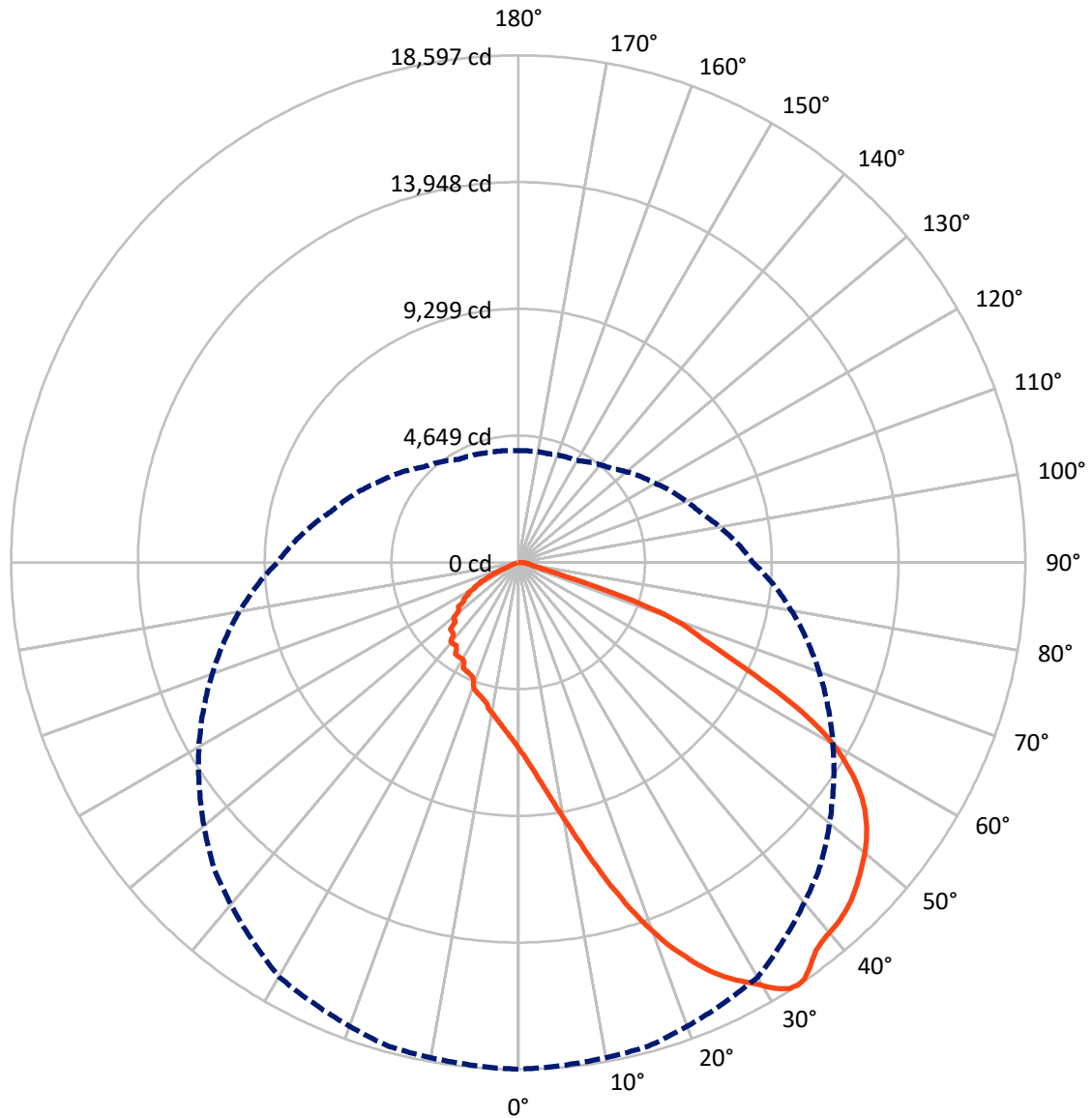
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.6 fc  
 Type III - Short - Full 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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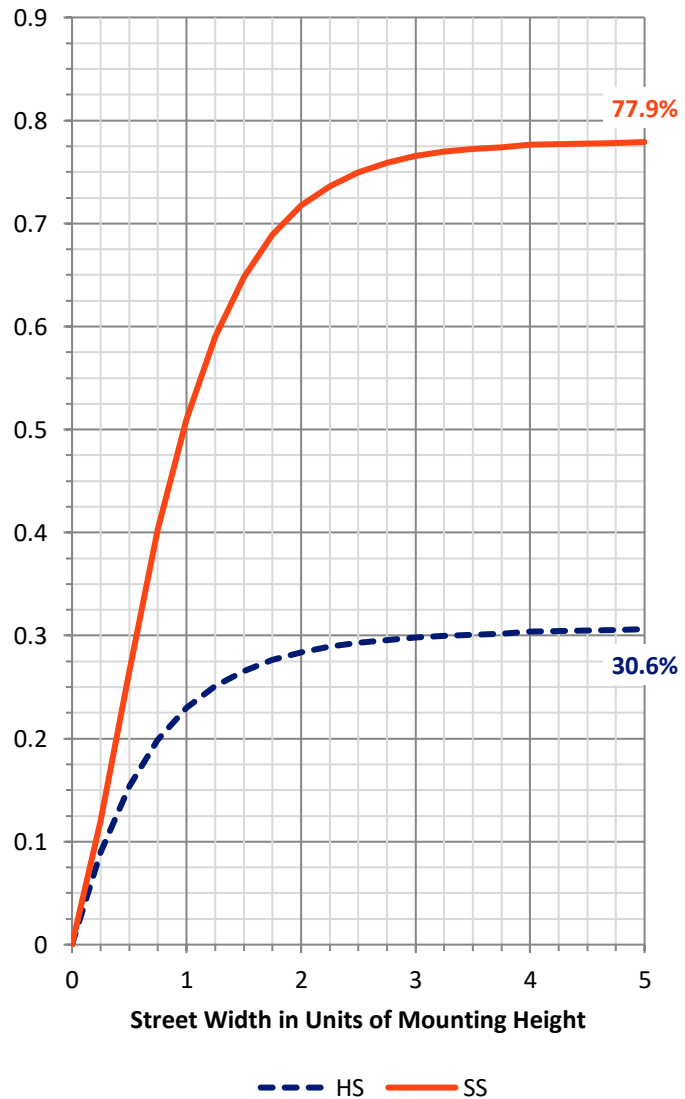
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11829.9	0.0	11829.9
	% Lamp	30.8	0.0	30.8
<b>Street Side</b>	Lumens	29951.0	0.0	29951.0
	% Lamp	78.0	0.0	78.0
<b>Total</b>	Lumens	41780.9	0.0	41780.9
	% Lamp	108.9	0.0	108.9

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	681.5	1.6	1.8
10°-20°	2295.0	5.5	6.0
20°-30°	4353.9	10.4	11.3
30°-40°	6414.6	15.4	16.7
40°-50°	7818.1	18.7	20.4
50°-60°	8552.0	20.5	22.3
60°-70°	7566.7	18.1	19.7
70°-80°	3748.4	9.0	9.8
80°-90°	350.7	0.8	0.9
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°	41780.9	100.0	108.9
0°-180°	41780.9	100.0	108.9

**Coefficient of Utilization**



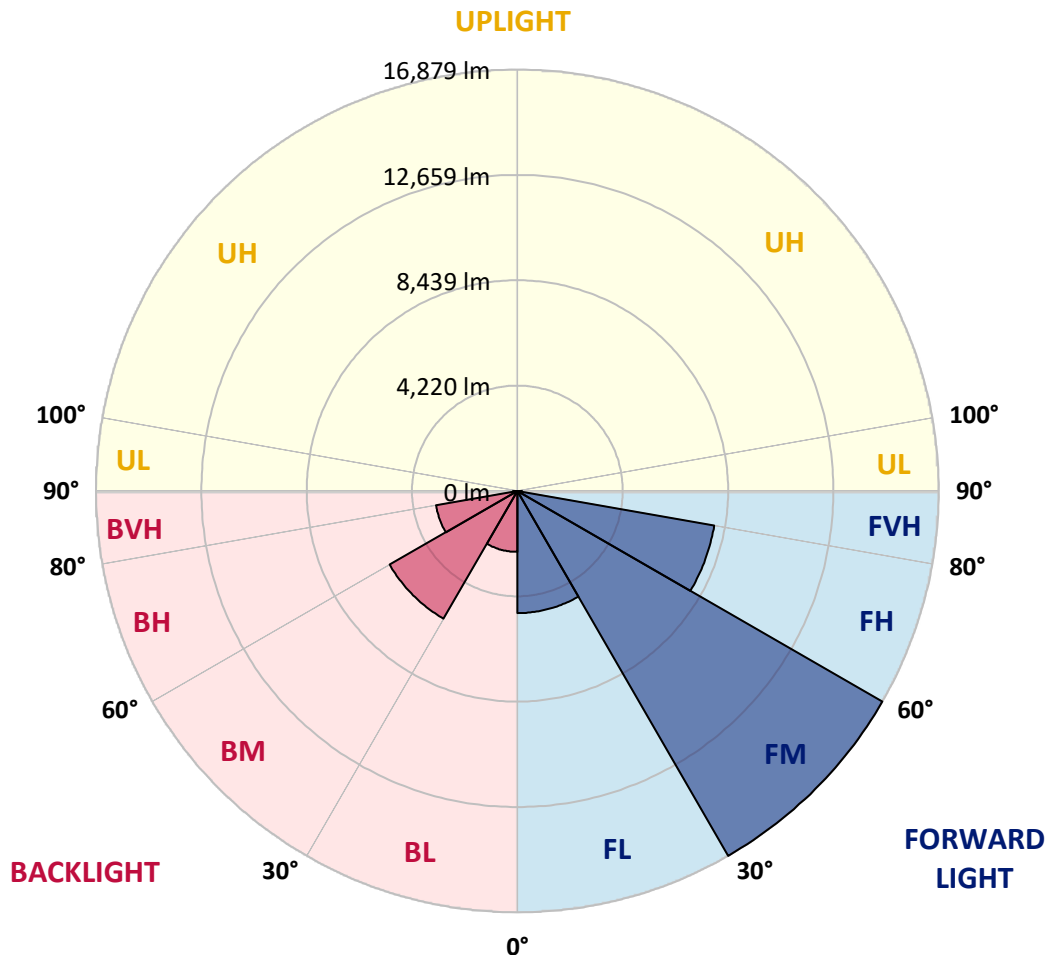
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4889.8	12.7			
FM (30°-60°)	16878.6	44.0			
FH (60°-80°)	8004.7	20.9			G4/12000
FVH (80°-90°)	178.0	0.5			G2/225
BL (0°-30°)	2440.6	6.4	B3/2500		
BM (30°-60°)	5906.1	15.4	B4/8500		
BH (60°-80°)	3310.4	8.6	B4/5000		G4/5000
BVH (80°-90°)	172.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	-3404.9	-8.9			

**BUG Rating: B4-U0-G4**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3
1°	7054.9	7052.8	7036.3	7011.2	6976.7	6933.7	6867.4	6823.0	6781.3	6748.6	6724.3
2°	7256.1	7244.6	7205.0	7146.1	7069.5	6982.3	6867.9	6779.4	6699.9	6635.3	6587.6
3°	7473.8	7454.0	7389.3	7295.0	7171.3	7035.3	6874.7	6743.7	6628.2	6533.7	6464.1
4°	7719.1	7685.9	7595.0	7459.1	7286.5	7101.9	6890.4	6716.7	6562.3	6437.7	6350.7
5°	7987.1	7946.1	7819.9	7636.0	7416.2	7176.7	6914.8	6698.2	6504.7	6355.0	6245.4
6°	8281.1	8226.0	8068.8	7835.5	7554.5	7256.8	6940.3	6682.9	6454.7	6276.8	6143.0
7°	8596.6	8531.6	8336.9	8046.3	7702.7	7341.2	6970.7	6669.8	6408.6	6199.2	6048.9
8°	8936.5	8856.3	8624.3	8278.4	7861.4	7432.0	7005.1	6660.6	6365.5	6128.6	5963.8
9°	9302.4	9204.4	8934.8	8522.7	8032.3	7530.7	7045.3	6652.4	6322.3	6065.7	5882.8
10°	9691.6	9578.4	9259.3	8785.7	8211.5	7635.5	7086.3	6648.3	6278.9	6007.7	5806.4
11°	10110.8	9981.4	9616.1	9063.4	8402.9	7750.3	7132.9	6648.3	6240.9	5952.3	5735.5
12°	10559.8	10406.5	9990.7	9354.3	8603.6	7869.6	7166.5	6635.1	6208.9	5896.3	5672.1
13°	11041.7	10861.9	10378.7	9664.6	8821.3	7971.0	7198.7	6618.0	6162.6	5844.2	5611.7
14°	11539.3	11344.4	10789.8	9989.7	9047.1	8079.4	7244.2	6608.6	6119.4	5798.3	5523.6
15°	12058.6	11833.2	11217.0	10326.7	9257.8	8197.7	7293.7	6605.8	6078.3	5738.8	5404.8
16°	12588.8	12337.3	11652.5	10672.2	9482.1	8323.7	7359.8	6619.7	6045.2	5684.2	5349.5
17°	13121.2	12839.2	12097.8	11023.2	9710.0	8462.6	7417.4	6623.0	6023.1	5604.9	5307.2
18°	13637.2	13338.9	12534.4	11374.9	9935.8	8609.6	7482.8	6634.7	5994.8	5515.1	5268.7
19°	14145.7	13826.7	12968.8	11710.2	10178.8	8748.9	7559.4	6664.5	5978.8	5467.7	5236.4
20°	14633.4	14293.7	13389.0	12030.3	10415.7	8899.6	7643.8	6696.1	5973.9	5430.2	5201.8
21°	15095.0	14745.6	13789.7	12360.2	10666.5	9056.1	7729.8	6721.5	5973.5	5398.8	5161.7
22°	15518.5	15170.1	14174.0	12662.8	10898.0	9226.3	7801.1	6719.5	5957.6	5379.9	5117.1
23°	15930.1	15582.8	14552.8	12956.8	11141.9	9399.9	7842.2	6726.9	5924.8	5367.4	5078.4
24°	16311.1	15974.7	14916.5	13244.2	11380.3	9557.0	7896.8	6757.4	5887.3	5341.8	4885.7
25°	16676.9	16341.6	15268.1	13537.1	11611.1	9700.9	7975.4	6771.9	5862.6	5319.4	4739.6
26°	16987.2	16673.7	15612.2	13811.4	11849.6	9825.4	8057.0	6781.6	5836.5	5299.3	4707.5
27°	17259.4	16965.4	15938.8	14080.3	12086.9	9966.5	8109.2	6811.0	5840.1	5273.4	4685.2
28°	17508.7	17226.7	16241.4	14339.5	12322.1	10131.0	8185.3	6843.1	5845.6	5231.9	4661.7
29°	17773.3	17485.8	16509.3	14588.8	12536.5	10312.5	8276.8	6872.2	5841.1	5057.5	4629.3
30°	18085.7	17786.3	16784.7	14845.7	12740.1	10470.3	8378.0	6875.1	5814.9	4942.8	4596.9
31°	18341.6	18056.3	17073.2	15124.4	12910.0	10624.0	8473.9	6884.8	5811.7	4899.3	4575.9
32°	18532.1	18268.6	17341.0	15414.0	13100.5	10778.6	8548.8	6915.5	5815.5	4871.1	4550.4
33°	18597.4	18379.7	17567.5	15689.5	13329.1	10951.4	8617.1	6949.2	5797.4	4859.0	4308.6
34°	18535.4	18352.5	17691.6	15937.7	13561.0	11141.9	8705.3	6966.8	5791.6	4854.7	4258.8
35°	18363.3	18212.0	17674.2	16115.2	13779.9	11334.6	8810.5	6995.2	5796.5	4850.3	4238.5
36°	18142.3	18018.2	17554.4	16220.8	13976.9	11517.5	8915.3	7045.3	5790.9	4832.5	4227.7
37°	17945.3	17804.8	17390.0	16222.9	14096.7	11658.0	8990.0	7072.7	5785.0	4813.5	4233.8
38°	17836.4	17663.3	17226.7	16158.7	14163.1	11779.9	9064.0	7096.0	5762.7	4770.4	4237.3
39°	17773.3	17589.3	17113.5	16081.4	14171.8	11879.0	9172.3	7121.4	5610.9	4605.8	4228.2
40°	17726.5	17539.2	17050.4	16023.7	14140.2	11937.8	9269.6	7142.0	5530.5	4615.6	4179.9
41°	17672.0	17498.9	17010.1	15990.0	14132.6	11971.5	9338.0	7176.8	5555.8	4646.5	4013.8
42°	17602.3	17455.4	16973.1	15962.7	14154.4	12002.0	9379.7	7187.0	5589.9	4656.8	4020.3
43°	17514.2	17402.0	16933.9	15951.8	14183.8	12040.1	9402.6	7211.9	5596.1	4654.8	4012.9
44°	17406.4	17336.7	16888.1	15954.0	14221.9	12072.8	9413.1	7222.1	5578.2	4672.8	3973.8



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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	17276.8	17253.9	16829.4	15951.8	14266.5	12120.7	9435.6	7263.6	5599.3	4688.3	3946.7
46°	17134.2	17151.6	16760.8	15933.3	14301.4	12184.9	9465.9	7261.7	5627.9	4642.8	3816.4
47°	16983.9	17044.9	16681.3	15907.2	14329.7	12254.6	9477.6	7183.1	5624.4	4450.6	3664.7
48°	16828.3	16928.4	16592.0	15885.4	14359.1	12315.5	9527.0	7180.7	5642.9	4428.1	3663.5
49°	16673.7	16803.2	16487.5	15850.6	14392.8	12362.4	9583.0	7212.8	5556.4	4439.2	3650.7
50°	16509.3	16672.6	16374.3	15791.8	14408.0	12402.6	9633.9	7247.2	5445.6	4434.7	3633.9
51°	16323.1	16521.2	16246.9	15722.1	14427.6	12438.6	9677.1	7250.2	5449.6	4411.0	3433.8
52°	16111.9	16347.1	16105.4	15643.7	14451.6	12457.1	9692.6	7268.4	5424.8	4310.3	3389.4
53°	15877.8	16148.9	15952.9	15561.0	14459.2	12462.5	9631.7	7300.7	5459.1	4181.8	3403.3
54°	15610.0	15908.3	15786.4	15465.2	14442.9	12472.3	9564.4	7266.7	5475.8	4189.3	3412.1
55°	15305.2	15628.5	15608.9	15349.8	14402.6	12462.5	9541.1	7260.0	5475.6	4184.0	3288.1
56°	14951.3	15303.0	15404.2	15218.1	14348.2	12433.1	9527.6	7243.7	5450.6	4155.6	3194.4
57°	14552.8	14932.8	15166.9	15074.3	14285.0	12404.8	9507.4	7228.8	5376.4	3962.5	3196.4
58°	14104.3	14514.7	14889.3	14918.7	14204.5	12388.5	9445.5	7160.9	5339.1	3997.9	3123.0
59°	13614.4	14054.2	14589.9	14740.1	14116.3	12360.2	9393.2	7091.6	5341.1	4048.8	2970.8
60°	13050.4	13546.9	14242.6	14536.5	14005.2	12315.5	9330.1	7066.5	5338.2	4090.5	2978.0
61°	12342.8	12953.5	13859.3	14293.7	13863.7	12240.4	9255.2	7002.2	5315.6	3954.0	2830.1
62°	11502.3	12254.6	13420.6	14011.8	13703.7	12138.1	9132.2	6938.9	5252.8	3939.8	2800.1
63°	10548.1	11457.6	12927.4	13686.2	13516.4	11978.0	8994.2	6854.0	5260.1	3955.2	2738.9
64°	9574.7	10607.2	12364.5	13329.1	13296.5	11764.7	8824.9	6744.0	5226.7	3878.2	2624.5
65°	8688.8	9766.5	11749.4	12933.9	13051.5	11511.0	8661.7	6674.5	5107.7	3886.8	2530.0
66°	7920.9	8947.3	11091.8	12477.8	12766.3	11283.4	8450.2	6558.5	5095.3	3820.1	2487.4
67°	7317.1	8202.6	10423.6	11980.2	12441.8	11026.5	8205.9	6416.9	5139.5	3811.0	2349.2
68°	6831.9	7554.9	9753.6	11418.4	12066.2	10716.3	7845.8	6240.6	5183.6	3818.4	2248.6
69°	6349.1	6997.7	9073.6	10811.3	11617.7	10344.2	7488.8	6026.1	5136.0	3803.6	2148.0
70°	5597.1	6423.5	8402.4	10181.4	11109.2	9868.3	6938.8	5717.6	5018.5	3819.6	2048.5
71°	4403.4	5676.8	7747.9	9540.2	10556.5	9253.3	6212.5	5294.9	4927.1	3811.5	2013.4
72°	2993.2	4643.4	7088.6	8901.5	9959.7	8568.5	5500.8	4848.6	4827.0	3896.3	1999.5
73°	1749.6	3390.1	6373.7	8252.3	9310.9	7739.0	4834.8	4454.7	4627.1	3860.4	1938.1
74°	988.0	2169.2	5590.2	7590.7	8578.1	6838.0	4220.5	4127.6	4420.1	3850.0	1946.4
75°	824.1	1275.1	4716.7	6866.0	7770.8	5862.3	3488.4	3786.8	4233.4	3817.6	1906.6
76°	681.1	1034.2	3744.1	6031.9	6843.7	4824.4	2453.2	3298.2	4076.4	3725.4	1811.1
77°	538.0	797.5	2823.5	4993.0	5800.7	3578.8	1420.9	2467.6	3930.9	3534.2	1666.8
78°	480.6	560.7	2116.0	3715.9	4627.7	2280.5	656.9	1637.1	3810.8	3224.2	1476.1
79°	442.1	494.6	1547.6	2367.2	3449.9	1194.4	327.8	810.0	3455.4	2696.1	1279.3
80°	407.4	444.0	1115.1	1281.7	2311.8	901.1	282.2	603.2	2562.3	2167.8	1124.3
81°	374.7	399.3	892.2	998.2	1307.7	610.0	236.5	396.5	1669.3	1643.0	1148.6
82°	343.5	360.7	672.1	741.5	969.9	318.8	191.0	192.6	782.6	1345.8	1079.0
83°	311.9	327.4	452.0	484.9	641.0	263.9	163.2	152.9	588.0	1148.2	863.9
84°	279.0	292.4	381.8	425.7	312.1	225.1	136.2	120.0	393.3	908.5	594.4
85°	246.3	257.2	304.3	371.2	245.6	186.0	110.0	93.0	199.4	646.8	392.7
86°	212.3	222.9	238.9	316.3	196.5	146.0	84.5	70.4	167.3	518.4	279.0
87°	177.2	190.3	197.1	254.7	154.4	109.8	60.3	51.8	131.0	390.0	165.3
88°	145.3	157.6	158.0	182.3	117.8	82.6	42.5	36.9	85.5	261.5	100.7
89°	119.8	124.8	119.5	107.3	90.4	55.5	24.8	22.1	59.1	133.1	68.8



REPORT NUMBER: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791  
 CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3	6877.3
1°	6711.4	6709.1	6720.5	6743.4	6773.5	6813.7	6856.2	6881.9	6923.1	6963.5	6999.6
2°	6561.6	6555.0	6572.9	6612.3	6668.5	6741.9	6824.2	6896.7	6981.8	7067.5	7143.1
3°	6424.0	6413.7	6435.6	6488.6	6569.4	6675.0	6797.7	6914.9	7046.5	7178.1	7299.0
4°	6298.0	6283.8	6311.7	6375.4	6478.2	6614.2	6774.4	6940.3	7119.5	7299.8	7466.6
5°	6179.0	6161.4	6193.4	6270.9	6393.8	6558.4	6755.9	6967.3	7194.2	7431.9	7651.7
6°	6065.4	6045.0	6079.5	6167.0	6312.6	6505.5	6741.4	6999.3	7275.2	7569.6	7849.6
7°	5959.1	5936.3	5973.9	6072.3	6231.1	6456.5	6729.1	7034.3	7363.3	7719.6	8059.6
8°	5861.9	5833.2	5875.2	5987.3	6159.3	6408.1	6718.6	7070.2	7456.5	7878.2	8283.9
9°	5766.3	5731.9	5778.9	5903.3	6095.3	6359.7	6708.3	7110.2	7553.9	8046.0	8526.3
10°	5676.0	5638.9	5689.2	5821.8	6033.7	6313.9	6703.3	7153.7	7658.0	8222.7	8782.9
11°	5596.4	5555.4	5604.7	5747.4	5973.7	6275.1	6702.1	7206.4	7769.8	8412.0	9057.6
12°	5525.2	5465.6	5527.4	5678.6	5917.3	6244.5	6685.8	7240.2	7888.7	8610.9	9346.4
13°	5392.4	5302.0	5395.7	5613.2	5861.3	6196.3	6676.9	7282.7	7990.0	8826.2	9655.2
14°	5287.5	5233.0	5288.4	5526.0	5812.6	6155.4	6667.7	7321.4	8099.3	9043.8	9975.7
15°	5232.4	5173.4	5229.4	5398.4	5752.9	6118.1	6668.2	7374.7	8212.8	9252.9	10317.7
16°	5180.1	5118.3	5175.6	5345.3	5701.5	6091.2	6673.6	7441.3	8339.3	9475.2	10666.7
17°	5134.4	5066.9	5129.9	5302.0	5635.4	6063.1	6684.5	7501.0	8486.9	9704.1	11029.8
18°	5085.0	5009.2	5079.5	5264.3	5548.1	6042.6	6703.2	7569.5	8618.4	9946.3	11378.2
19°	5035.3	4954.5	5031.4	5234.8	5491.6	6037.2	6735.1	7655.4	8767.4	10190.5	11718.9
20°	4985.3	4894.2	4985.8	5200.6	5456.9	6040.1	6768.5	7745.3	8917.3	10448.0	12059.7
21°	4928.8	4687.0	4935.1	5159.5	5434.3	6040.3	6791.6	7825.9	9086.6	10698.9	12383.0
22°	4674.8	4534.9	4695.8	5120.8	5420.8	6027.5	6798.5	7897.2	9260.8	10951.4	12692.2
23°	4576.1	4492.7	4596.8	5090.5	5408.5	6005.7	6820.9	7949.4	9429.9	11205.1	13000.3
24°	4539.8	4463.3	4564.9	4899.1	5385.4	5984.8	6861.6	8016.5	9587.0	11454.4	13304.1
25°	4516.8	4438.9	4542.8	4770.5	5363.3	5966.9	6878.7	8108.3	9726.2	11705.9	13586.1
26°	4495.1	4413.2	4523.7	4750.5	5350.2	5938.2	6902.8	8187.6	9870.4	11954.1	13873.5
27°	4471.6	4394.4	4503.4	4733.4	5320.7	5950.6	6941.8	8256.7	10030.8	12201.2	14151.1
28°	4454.3	4371.6	4487.7	4708.5	5285.1	5959.6	6980.6	8344.7	10215.2	12432.0	14432.0
29°	4433.9	4179.6	4469.3	4678.6	5116.7	5943.6	7005.4	8449.2	10400.9	12657.4	14704.2
30°	4213.9	4100.8	4245.9	4653.3	5005.7	5921.5	7011.9	8556.3	10559.3	12866.4	14980.7
31°	4150.5	4092.3	4184.7	4631.1	4961.7	5921.2	7039.8	8654.5	10743.4	13074.4	15275.8
32°	4139.2	4092.6	4173.7	4604.7	4942.0	5926.2	7082.3	8734.8	10942.7	13298.6	15545.8
33°	4132.1	4090.8	4167.8	4362.9	4936.2	5905.8	7128.4	8836.9	11159.3	13524.0	15809.2
34°	4123.9	4082.4	4158.6	4314.0	4933.2	5904.0	7148.0	8957.5	11353.1	13751.6	16030.2
35°	4109.6	4074.2	4144.2	4293.3	4928.6	5904.3	7191.0	9076.5	11524.0	13964.9	16177.2
36°	4093.6	3919.4	4126.1	4285.6	4907.9	5897.6	7242.0	9190.8	11673.2	14108.7	16229.5
37°	3932.0	3808.9	3943.8	4292.4	4891.2	5887.9	7275.1	9268.8	11796.2	14187.0	16211.0
38°	3801.7	3811.4	3834.5	4293.0	4840.3	5868.0	7303.3	9352.3	11890.9	14206.6	16135.8
39°	3792.8	3822.3	3824.4	4291.9	4681.5	5722.4	7310.7	9441.3	11956.3	14189.2	16049.8
40°	3790.6	3827.0	3817.3	4232.4	4707.8	5647.9	7319.3	9499.8	11995.5	14179.4	15990.0
41°	3770.8	3809.4	3794.1	4082.6	4740.8	5670.8	7327.4	9541.6	12015.1	14189.2	15955.1
42°	3729.4	3599.0	3752.7	4088.5	4738.4	5700.2	7337.7	9579.2	12049.9	14209.9	15948.6
43°	3522.0	3527.1	3549.5	4072.1	4743.4	5681.9	7360.6	9610.5	12086.9	14239.3	15962.7
44°	3440.0	3521.7	3476.5	4033.6	4758.4	5670.8	7383.2	9632.6	12138.1	14273.0	15969.3



REPORT NUMBER: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3433.2	3509.8	3470.7	4007.7	4773.7	5692.7	7422.7	9669.3	12198.0	14305.7	15964.9
46°	3421.2	3487.8	3455.4	3848.3	4704.1	5729.5	7394.5	9693.8	12260.0	14348.2	15960.6
47°	3389.6	3186.0	3429.6	3740.1	4530.1	5735.0	7323.2	9716.0	12312.3	14396.1	15946.4
48°	3127.6	3157.3	3170.7	3739.6	4516.6	5755.5	7335.7	9767.2	12356.9	14434.2	15919.2
49°	3112.4	3134.2	3165.2	3719.7	4528.8	5644.3	7371.0	9812.7	12403.7	14463.6	15870.2
50°	3109.9	3111.5	3166.0	3709.7	4517.5	5572.5	7399.3	9851.2	12445.1	14493.0	15807.0
51°	3106.5	2864.3	3166.5	3499.0	4498.5	5578.6	7403.4	9881.5	12466.9	14508.2	15741.7
52°	2917.5	2776.4	2965.0	3470.6	4347.3	5566.8	7420.6	9878.8	12474.5	14510.4	15672.0
53°	2858.6	2758.6	2914.7	3487.6	4278.3	5604.3	7441.8	9796.8	12483.2	14495.1	15587.1
54°	2841.7	2722.5	2896.9	3503.0	4289.0	5608.3	7413.7	9722.0	12470.1	14457.0	15489.1
55°	2804.5	2433.3	2845.4	3348.1	4288.3	5609.6	7407.2	9694.5	12436.4	14404.8	15385.7
56°	2569.1	2431.6	2624.7	3286.8	4258.7	5601.8	7381.7	9675.7	12397.2	14349.3	15262.7
57°	2573.8	2290.1	2632.7	3288.1	4089.0	5505.0	7363.6	9648.1	12368.9	14277.4	15112.4
58°	2412.9	2150.4	2457.1	3181.4	4135.0	5491.5	7262.7	9578.8	12333.0	14189.2	14931.7
59°	2318.9	2156.2	2380.9	3077.9	4191.6	5492.0	7222.0	9512.5	12285.1	14085.8	14723.8
60°	2238.4	1843.7	2303.4	3096.4	4228.9	5484.2	7162.8	9427.1	12211.0	13957.3	14495.1
61°	2157.8	1847.8	2225.9	2934.3	4097.6	5444.4	7088.5	9356.0	12116.3	13812.5	14246.9
62°	2071.8	1566.3	2144.7	2921.0	4091.6	5379.3	7005.2	9237.1	11959.5	13636.2	13970.4
63°	1802.4	1555.3	1872.4	2839.0	4081.6	5374.8	6907.3	9093.9	11757.0	13429.3	13653.6
64°	1784.9	1215.2	1835.4	2751.7	4031.4	5322.4	6801.0	8914.7	11509.9	13193.0	13288.9
65°	1514.1	1076.7	1573.5	2642.3	4047.3	5190.2	6694.4	8736.1	11278.0	12924.1	12871.9
66°	1315.7	871.4	1355.9	2624.5	3981.0	5209.8	6563.6	8476.0	11017.8	12620.4	12414.6
67°	1197.2	580.3	1184.7	2486.7	3970.3	5242.5	6395.5	8193.9	10715.0	12279.6	11907.3
68°	947.0	289.2	977.3	2374.6	3959.3	5261.2	6184.8	7773.5	10368.3	11884.4	11376.0
69°	629.7	0.7	657.7	2262.6	3945.1	5151.1	5938.0	7313.5	9936.0	11438.0	10802.2
70°	610.0	0.5	632.7	2152.9	3964.0	5006.7	5559.3	6642.9	9411.6	10928.5	10178.5
71°	608.7	0.5	610.6	2121.7	3945.3	4871.3	5072.3	5863.8	8730.7	10369.7	9507.3
72°	579.2	0.5	565.1	2095.2	4021.4	4732.4	4616.4	5148.0	7997.9	9765.1	8847.7
73°	520.7	0.5	483.0	2013.7	3956.8	4511.1	4269.6	4503.0	7109.3	9073.1	8172.3
74°	448.4	0.5	383.0	1982.9	3865.7	4307.9	3962.9	3821.4	6162.2	8277.1	7485.2
75°	359.7	0.6	316.5	1901.7	3772.4	4152.5	3494.1	2901.9	5175.1	7377.0	6727.6
76°	270.4	0.6	292.6	1779.2	3572.4	4005.5	2648.0	1795.4	4083.3	6397.2	5890.2
77°	205.6	0.6	325.7	1619.0	3279.0	3851.7	1801.7	865.5	2818.4	5314.9	4824.2
78°	222.1	0.7	372.3	1430.6	2903.8	3525.0	964.8	568.2	1598.8	4147.0	3459.1
79°	307.0	0.8	300.2	1275.3	2453.3	2662.5	403.5	287.1	1175.2	3010.3	2097.6
80°	322.2	0.9	228.1	1192.6	2002.8	1800.0	301.7	243.3	760.6	1946.5	1069.7
81°	258.3	1.0	155.9	1115.7	1558.3	937.7	201.7	211.9	346.0	1063.2	858.1
82°	194.4	1.2	82.8	951.6	1301.8	692.6	161.9	182.9	287.5	791.6	669.1
83°	130.7	1.4	43.6	614.6	1008.1	447.5	131.4	155.5	247.5	540.5	480.1
84°	76.1	1.6	34.7	443.2	660.8	203.8	106.6	128.6	210.5	289.3	421.6
85°	46.1	1.8	25.8	271.8	472.2	168.8	84.3	102.6	173.0	227.6	366.9
86°	35.5	2.0	17.0	104.8	283.7	135.3	64.2	77.0	134.9	181.0	310.6
87°	24.9	2.3	14.4	61.4	96.8	100.1	46.8	51.4	101.3	141.2	246.9
88°	14.4	2.6	11.8	42.5	66.4	68.8	33.1	30.2	73.3	106.6	168.2
89°	9.0	2.9	8.1	23.7	36.0	37.5	19.3	13.2	45.5	83.0	94.9



REPORT NUMBER: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791  
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	6877.3	6877.3	6877.3
1°	7029.1	7046.1	7054.9
2°	7204.0	7242.2	7256.1
3°	7393.6	7454.6	7473.8
4°	7602.3	7691.1	7719.1
5°	7831.2	7949.0	7987.1
6°	8077.7	8232.4	8281.1
7°	8346.7	8534.0	8596.6
8°	8627.7	8858.3	8936.5
9°	8936.2	9206.8	9302.4
10°	9259.7	9581.0	9691.6
11°	9608.1	9982.0	10110.8
12°	9976.8	10404.2	10559.8
13°	10369.0	10859.7	11041.7
14°	10777.6	11336.8	11539.3
15°	11207.2	11828.9	12058.6
16°	11648.2	12336.2	12588.8
17°	12108.7	12852.3	13121.2
18°	12556.1	13362.9	13637.2
19°	12993.8	13849.5	14145.7
20°	13420.6	14318.8	14633.4
21°	13833.2	14766.2	15095.0
22°	14218.6	15181.0	15518.5
23°	14592.0	15591.5	15930.1
24°	14951.3	15990.0	16311.1
25°	15308.4	16363.4	16676.9
26°	15662.2	16710.7	16987.2
27°	15995.4	17006.8	17259.4
28°	16289.3	17263.7	17508.7
29°	16561.5	17525.0	17773.3
30°	16838.1	17819.0	18085.7
31°	17126.6	18089.0	18341.6
32°	17382.4	18283.9	18532.1
33°	17554.4	18375.3	18597.4
34°	17631.7	18352.5	18535.4
35°	17601.2	18212.0	18363.3
36°	17503.3	18009.5	18142.3
37°	17345.4	17800.5	17945.3
38°	17197.3	17665.5	17836.4
39°	17100.4	17589.3	17773.3
40°	17039.5	17546.8	17726.5
41°	17000.3	17510.9	17672.0
42°	16957.8	17469.5	17602.3
43°	16915.4	17422.7	17514.2
44°	16872.9	17360.6	17406.4

REPORT NUMBER: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	16821.7	17275.7	17276.8
46°	16764.0	17170.1	17134.2
47°	16699.8	17054.7	16983.9
48°	16621.4	16929.5	16828.3
49°	16520.2	16803.2	16673.7
50°	16398.2	16672.6	16509.3
51°	16265.4	16527.8	16323.1
52°	16116.2	16360.1	16111.9
53°	15961.6	16156.5	15877.8
54°	15800.5	15915.9	15610.0
55°	15629.6	15631.8	15305.2
56°	15429.3	15308.4	14951.3
57°	15194.1	14948.1	14552.8
58°	14909.9	14521.3	14104.3
59°	14596.4	14058.6	13614.4
60°	14244.7	13556.7	13050.4
61°	13844.1	12987.3	12342.8
62°	13401.0	12298.1	11502.3
63°	12911.1	11502.3	10548.1
64°	12380.9	10635.1	9574.7
65°	11782.1	9777.0	8688.8
66°	11135.4	8977.9	7920.9
67°	10467.3	8260.6	7317.1
68°	9778.3	7609.4	6831.9
69°	9125.5	7028.3	6349.1
70°	8502.9	6454.3	5597.1
71°	7857.0	5745.8	4403.4
72°	7152.5	4757.4	2993.2
73°	6446.4	3510.9	1749.6
74°	5702.8	2327.0	988.0
75°	4761.6	1416.0	824.1
76°	3749.5	1136.7	681.1
77°	2867.6	859.8	538.0
78°	2166.7	582.8	480.6
79°	1600.3	504.4	442.1
80°	1080.3	450.5	407.4
81°	869.9	404.4	374.7
82°	661.9	365.8	343.5
83°	453.9	334.9	311.9
84°	380.2	298.5	279.0
85°	300.8	259.8	246.3
86°	240.3	224.3	212.3
87°	196.4	190.3	177.2
88°	155.6	157.3	145.3
89°	115.8	124.2	119.8



REPORT NUMBER: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791

CATALOG NUMBER: XAS300-SFPM (3000K-300W-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: P1436791  
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)