

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: P1436839

Luminaire Tested: XAS300-SFPM (5000K-300W-T4)

Issue Date: 3/25/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1436839  
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 (5000K-300W-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 100% (300W)  
OPTICS - TYPE 4  
Light Source: 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

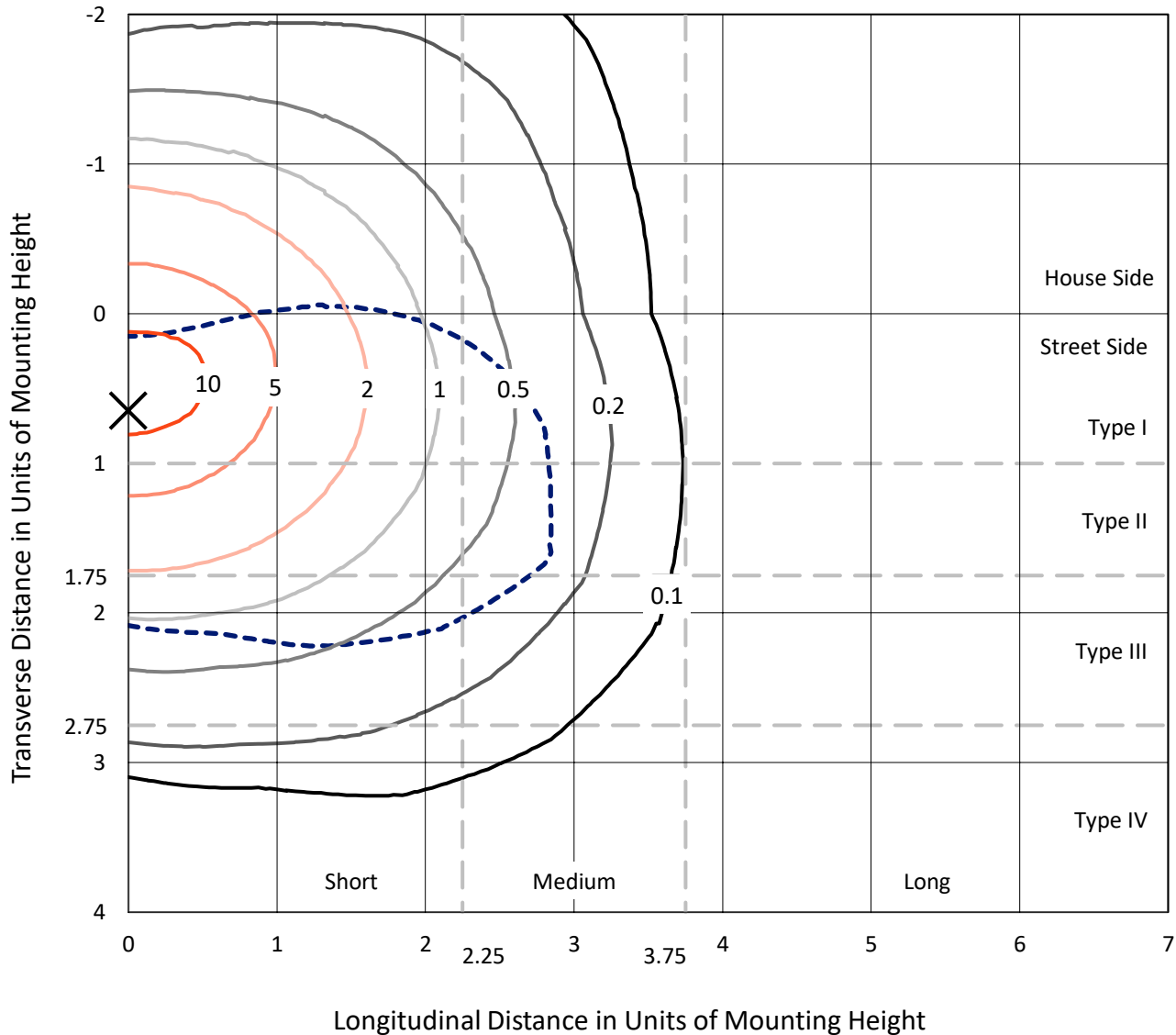
Lumens per Lamp: 38376 (1 lamp)  
Luminaire Lumens: 44688.4 lumens  
Efficiency: 116.4%  
Efficacy: 152.3 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 293.4  
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

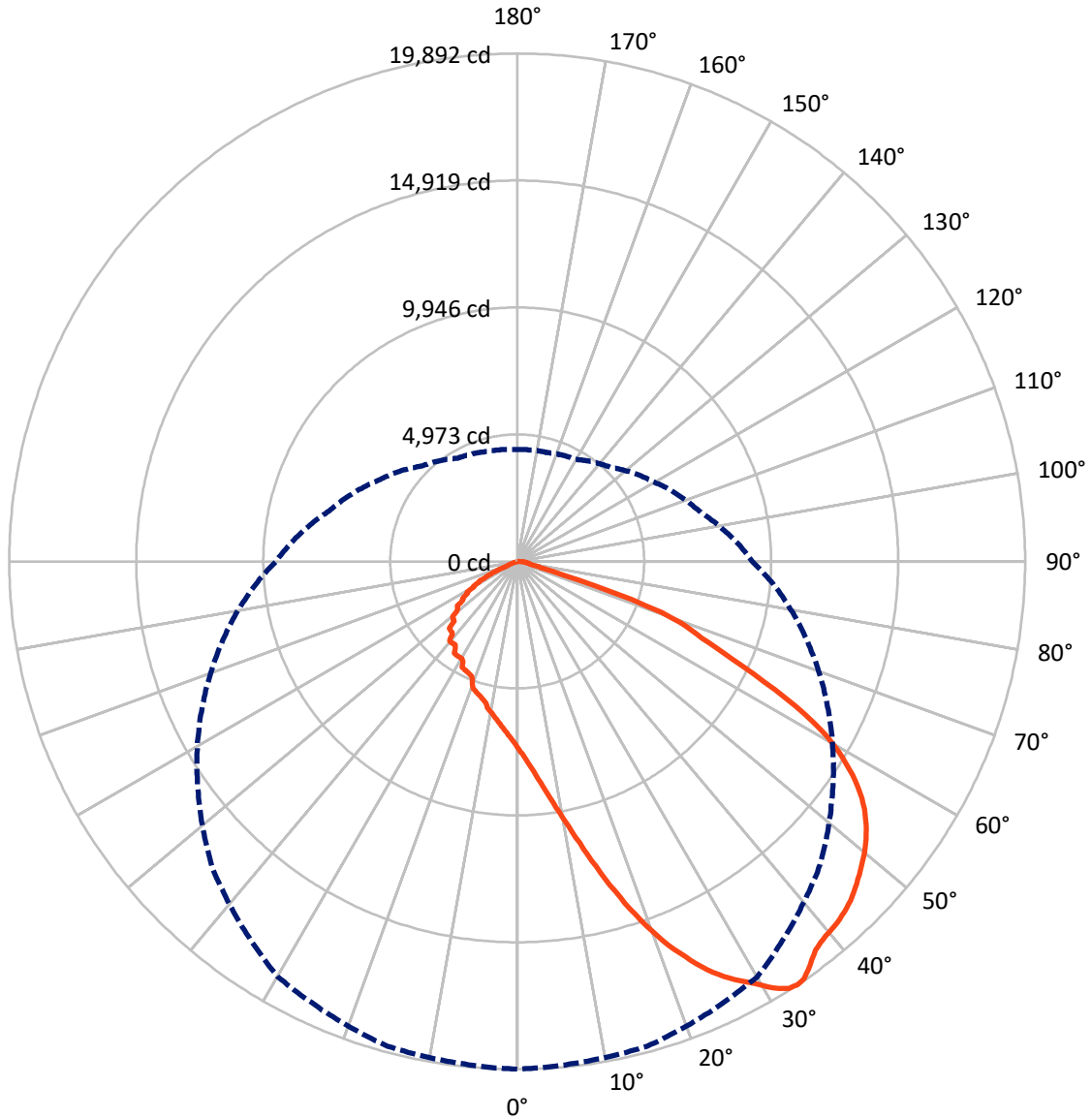
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 14.6 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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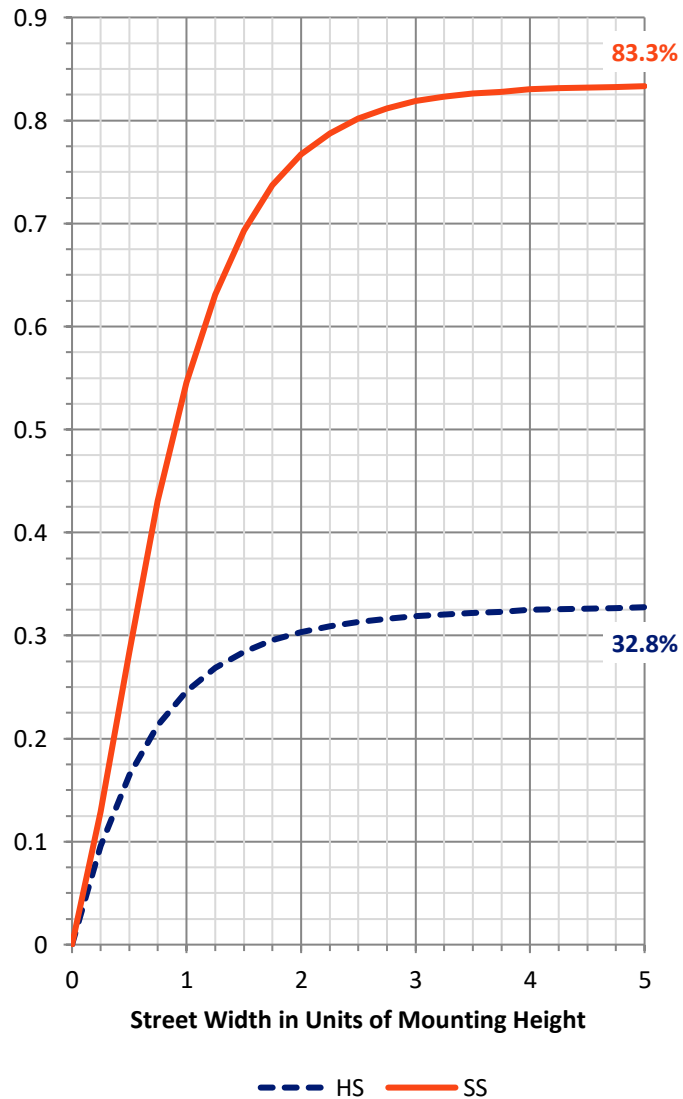
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12653.1	0.0	12653.1
	% Lamp	33.0	0.0	33.0
<b>Street Side</b>	Lumens	32035.3	0.0	32035.3
	% Lamp	83.5	0.0	83.5
<b>Total</b>	Lumens	44688.4	0.0	44688.4
	% Lamp	116.4	0.0	116.4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	728.9	1.6	1.9
10°-20°	2454.7	5.5	6.4
20°-30°	4656.9	10.4	12.1
30°-40°	6861.0	15.4	17.9
40°-50°	8362.2	18.7	21.8
50°-60°	9147.1	20.5	23.8
60°-70°	8093.3	18.1	21.1
70°-80°	4009.2	9.0	10.4
80°-90°	375.1	0.8	1.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	44688.4	100.0	116.4
0°-180°	44688.4	100.0	116.4

**Coefficient of Utilization**



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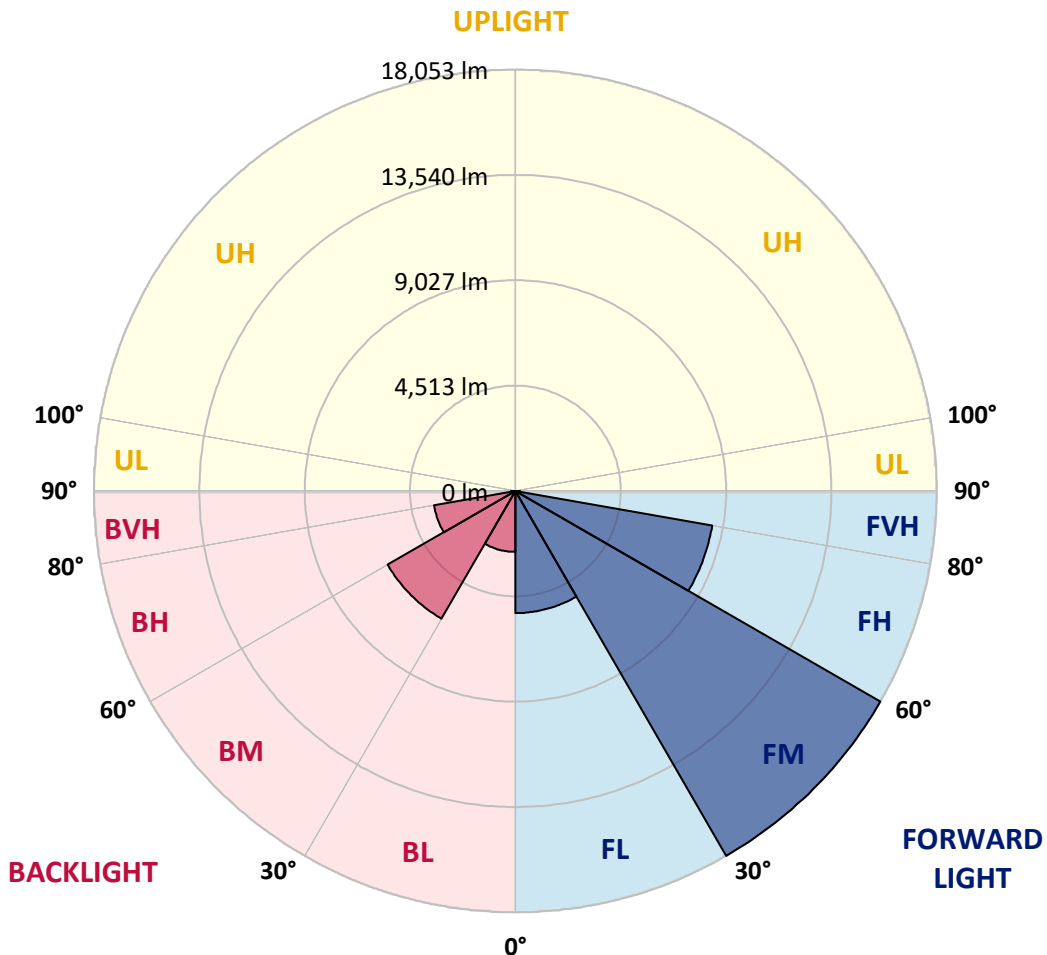
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

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

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5230.1	13.6			
FM (30°-60°)	18053.1	47.0			
FH (60°-80°)	8561.7	22.3			G4/12000
FVH (80°-90°)	190.4	0.5			G2/225
BL (0°-30°)	2610.5	6.8	B4/5000		
BM (30°-60°)	6317.1	16.5	B4/8500		
BH (60°-80°)	3540.8	9.2	B4/5000		G4/5000
BVH (80°-90°)	184.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	-6312.4	-16.4			

**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°	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9
1°	7545.8	7543.6	7525.9	7499.1	7462.2	7416.2	7345.3	7297.8	7253.2	7218.2	7192.3
2°	7761.0	7748.8	7706.4	7643.4	7561.4	7468.1	7345.9	7251.2	7166.2	7097.0	7046.0
3°	7993.9	7972.7	7903.5	7802.7	7670.3	7524.9	7353.1	7213.0	7089.5	6988.4	6914.0
4°	8256.3	8220.7	8123.5	7978.2	7793.6	7596.1	7369.9	7184.1	7019.0	6885.7	6792.6
5°	8543.0	8499.1	8364.1	8167.4	7932.3	7676.1	7395.9	7164.3	6957.4	6797.3	6680.0
6°	8857.4	8798.4	8630.3	8380.7	8080.2	7761.8	7423.3	7147.9	6903.8	6713.6	6570.4
7°	9194.8	9125.3	8917.1	8606.2	8238.7	7852.1	7455.8	7133.9	6854.6	6630.6	6469.8
8°	9558.4	9472.6	9224.4	8854.5	8408.5	7949.2	7492.6	7124.2	6808.5	6555.1	6378.8
9°	9949.8	9845.0	9556.5	9115.8	8591.3	8054.8	7535.6	7115.3	6762.2	6487.8	6292.1
10°	10366.1	10245.0	9903.6	9397.1	8783.0	8166.8	7579.5	7111.0	6715.9	6425.8	6210.5
11°	10814.4	10676.0	10285.2	9694.2	8987.7	8289.7	7629.3	7111.0	6675.2	6366.5	6134.6
12°	11294.6	11130.7	10685.9	10005.3	9202.3	8417.2	7665.2	7096.8	6641.0	6306.6	6066.8
13°	11810.1	11617.8	11101.0	10337.2	9435.2	8525.7	7699.6	7078.5	6591.4	6250.9	6002.2
14°	12342.3	12133.9	11540.7	10684.9	9676.7	8641.6	7748.3	7068.5	6545.3	6201.8	5908.0
15°	12897.7	12656.7	11997.6	11045.3	9902.0	8768.2	7801.3	7065.5	6501.3	6138.2	5780.9
16°	13464.8	13195.9	12463.4	11414.9	10141.9	8902.9	7872.0	7080.4	6465.9	6079.7	5721.8
17°	14034.3	13732.7	12939.7	11790.3	10385.7	9051.5	7933.6	7083.9	6442.2	5995.0	5676.5
18°	14586.2	14267.2	13406.6	12166.5	10627.3	9208.7	8003.6	7096.4	6412.0	5898.9	5635.4
19°	15130.1	14788.9	13871.3	12525.1	10887.2	9357.7	8085.4	7128.2	6394.8	5848.2	5600.8
20°	15651.7	15288.4	14320.7	12867.5	11140.6	9518.9	8175.7	7162.1	6389.6	5808.1	5563.8
21°	16145.5	15771.7	14749.3	13220.3	11408.7	9686.4	8267.7	7189.2	6389.1	5774.5	5520.9
22°	16598.5	16225.8	15160.3	13544.0	11656.4	9868.4	8343.9	7187.2	6372.1	5754.3	5473.2
23°	17038.6	16667.2	15565.6	13858.4	11917.3	10054.0	8388.0	7195.1	6337.1	5740.9	5431.8
24°	17446.2	17086.4	15954.5	14165.9	12172.3	10222.0	8446.3	7227.7	6297.0	5713.5	5225.7
25°	17837.5	17478.8	16330.6	14479.1	12419.1	10376.0	8530.4	7243.2	6270.6	5689.5	5069.4
26°	18169.3	17834.0	16698.6	14772.6	12674.2	10509.2	8617.7	7253.5	6242.6	5668.1	5035.1
27°	18460.5	18146.0	17047.9	15060.2	12928.0	10660.1	8673.5	7285.0	6246.5	5640.4	5011.2
28°	18727.1	18425.5	17371.7	15337.3	13179.6	10836.0	8754.9	7319.3	6252.4	5596.0	4986.1
29°	19010.1	18702.7	17658.1	15604.0	13409.0	11030.2	8852.8	7350.4	6247.5	5409.5	4951.5
30°	19344.3	19024.1	17952.7	15878.8	13626.7	11198.9	8961.0	7353.6	6219.6	5286.7	4916.8
31°	19617.9	19312.9	18261.3	16176.9	13808.4	11363.3	9063.6	7363.9	6216.1	5240.3	4894.3
32°	19821.7	19539.9	18547.8	16486.7	14012.2	11528.7	9143.7	7396.8	6220.2	5210.1	4867.0
33°	19891.6	19658.7	18790.0	16781.3	14256.7	11713.5	9216.7	7432.7	6200.8	5197.2	4608.4
34°	19825.2	19629.6	18922.8	17046.8	14504.7	11917.3	9311.0	7451.6	6194.7	5192.5	4555.2
35°	19641.2	19479.4	18904.1	17236.6	14738.8	12123.4	9423.6	7482.0	6199.9	5187.9	4533.4
36°	19404.8	19272.1	18776.0	17349.5	14949.6	12319.0	9535.7	7535.6	6193.9	5168.8	4521.9
37°	19194.1	19043.9	18600.2	17351.9	15077.7	12469.2	9615.6	7564.9	6187.6	5148.5	4528.4
38°	19077.6	18892.5	18425.5	17283.2	15148.7	12599.6	9694.7	7589.8	6163.7	5102.4	4532.1
39°	19010.1	18813.3	18304.4	17200.5	15158.0	12705.6	9810.6	7617.0	6001.4	4926.3	4522.5
40°	18960.0	18759.7	18236.9	17138.8	15124.2	12768.5	9914.7	7639.0	5915.3	4936.8	4470.8
41°	18901.8	18716.6	18193.8	17102.7	15116.1	12804.6	9987.8	7676.2	5942.4	4969.9	4293.1
42°	18827.3	18670.1	18154.2	17073.6	15139.4	12837.2	10032.4	7687.2	5978.9	4980.8	4300.1
43°	18732.9	18613.0	18112.3	17061.9	15170.8	12878.0	10056.9	7713.7	5985.5	4978.7	4292.1
44°	18617.7	18543.1	18063.4	17064.2	15211.6	12912.9	10068.2	7724.7	5966.4	4997.9	4250.3



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CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	18479.1	18454.6	18000.5	17061.9	15259.3	12964.1	10092.2	7769.0	5988.9	5014.6	4221.3
46°	18326.5	18345.2	17927.1	17042.1	15296.6	13032.8	10124.7	7767.1	6019.5	4965.9	4082.0
47°	18165.8	18231.1	17842.1	17014.2	15326.8	13107.4	10137.1	7683.0	6015.8	4760.3	3919.7
48°	17999.3	18106.5	17746.6	16990.9	15358.3	13172.6	10190.0	7680.4	6035.6	4736.3	3918.5
49°	17834.0	17972.5	17634.8	16953.6	15394.4	13222.6	10249.8	7714.8	5943.0	4748.2	3904.7
50°	17658.1	17832.8	17513.7	16890.7	15410.7	13265.7	10304.3	7751.6	5824.6	4743.3	3886.8
51°	17459.0	17670.9	17377.5	16816.2	15431.7	13304.2	10350.6	7754.7	5828.8	4718.0	3672.8
52°	17233.1	17484.6	17226.1	16732.4	15457.3	13323.9	10367.1	7774.2	5802.4	4610.3	3625.3
53°	16982.7	17272.7	17063.1	16643.9	15465.4	13329.8	10302.0	7808.8	5839.0	4472.8	3640.2
54°	16696.3	17015.3	16884.9	16541.4	15448.0	13340.3	10229.9	7772.4	5856.9	4480.8	3649.6
55°	16370.2	16716.1	16695.1	16418.0	15404.9	13329.8	10205.0	7765.2	5856.6	4475.2	3517.0
56°	15991.8	16367.9	16476.2	16277.1	15346.6	13298.3	10190.6	7747.7	5830.0	4444.8	3416.7
57°	15565.6	15972.0	16222.3	16123.4	15279.1	13268.1	10169.0	7731.9	5750.5	4238.2	3418.8
58°	15085.8	15524.8	15925.4	15956.8	15192.9	13250.6	10102.8	7659.2	5710.6	4276.1	3340.3
59°	14561.8	15032.2	15605.2	15765.9	15098.6	13220.3	10046.9	7585.1	5712.8	4330.6	3177.5
60°	13958.6	14489.6	15233.7	15548.1	14979.8	13172.6	9979.3	7558.3	5709.7	4375.2	3185.2
61°	13201.7	13854.9	14823.8	15288.4	14828.5	13092.2	9899.2	7489.5	5685.6	4229.1	3027.1
62°	12302.7	13107.4	14354.5	14986.8	14657.3	12982.8	9767.8	7421.8	5618.4	4214.0	2994.9
63°	11282.2	12255.0	13827.0	14638.6	14457.0	12811.6	9620.1	7331.0	5626.2	4230.4	2929.5
64°	10241.0	11345.4	13225.0	14256.7	14221.8	12583.3	9439.0	7213.4	5590.4	4148.1	2807.1
65°	9293.5	10446.2	12567.0	13834.0	13959.8	12312.0	9264.5	7138.9	5463.1	4157.3	2706.0
66°	8472.2	9569.9	11863.7	13346.1	13654.7	12068.6	9038.2	7014.9	5449.9	4085.9	2660.5
67°	7826.3	8773.4	11148.9	12813.9	13307.6	11793.8	8776.9	6863.4	5497.1	4076.3	2512.7
68°	7307.3	8080.7	10432.3	12213.0	12905.9	11462.1	8391.8	6674.9	5544.3	4084.2	2405.1
69°	6790.9	7484.7	9705.0	11563.6	12426.1	11064.0	8010.0	6445.5	5493.4	4068.3	2297.5
70°	5986.6	6870.5	8987.1	10890.0	11882.3	10555.1	7421.7	6115.5	5367.8	4085.5	2191.1
71°	4709.8	6071.8	8287.1	10204.1	11291.1	9897.2	6644.9	5663.3	5270.0	4076.7	2153.5
72°	3201.5	4966.5	7581.9	9521.0	10652.8	9164.8	5883.6	5186.0	5162.9	4167.4	2138.7
73°	1871.3	3626.1	6817.2	8826.6	9958.8	8277.6	5171.2	4764.7	4949.1	4129.0	2073.0
74°	1056.7	2320.1	5979.2	8119.0	9175.0	7313.8	4514.2	4414.9	4727.7	4117.9	2081.9
75°	881.5	1363.8	5045.0	7343.8	8311.6	6270.2	3731.1	4050.3	4528.0	4083.2	2039.2
76°	728.5	1106.1	4004.6	6451.7	7319.9	5160.1	2623.9	3527.7	4360.0	3984.6	1937.1
77°	575.5	852.9	3020.0	5340.4	6204.3	3827.9	1519.8	2639.3	4204.5	3780.1	1782.8
78°	514.1	599.8	2263.3	3974.5	4949.7	2439.2	702.6	1751.0	4076.0	3448.6	1578.8
79°	472.9	529.0	1655.3	2531.9	3690.0	1277.5	350.6	866.4	3695.8	2883.7	1368.4
80°	435.7	474.9	1192.7	1370.9	2472.7	963.8	301.8	645.2	2740.6	2318.7	1202.6
81°	400.8	427.0	954.2	1067.6	1398.7	652.4	253.0	424.1	1785.5	1757.3	1228.5
82°	367.4	385.8	718.8	793.1	1037.4	341.0	204.3	206.0	837.1	1439.4	1154.1
83°	333.6	350.2	483.4	518.6	685.6	282.3	174.6	163.5	628.9	1228.1	924.1
84°	298.5	312.7	408.4	455.3	333.8	240.8	145.7	128.3	420.7	971.7	635.8
85°	263.5	275.1	325.5	397.0	262.7	199.0	117.6	99.5	213.2	691.8	420.1
86°	227.1	238.4	255.6	338.4	210.2	156.1	90.4	75.3	179.0	554.4	298.4
87°	189.6	203.6	210.8	272.5	165.1	117.5	64.4	55.4	140.1	417.1	176.8
88°	155.4	168.6	169.0	195.0	126.0	88.3	45.5	39.5	91.5	279.7	107.7
89°	128.1	133.5	127.8	114.8	96.7	59.4	26.5	23.6	63.2	142.4	73.6



REPORT NUMBER: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9	7355.9
1°	7178.4	7176.0	7188.2	7212.7	7244.9	7287.9	7333.3	7360.8	7404.9	7448.1	7486.7
2°	7018.2	7011.2	7030.3	7072.5	7132.5	7211.0	7299.1	7376.6	7467.7	7559.3	7640.1
3°	6871.0	6860.1	6883.5	6940.2	7026.6	7139.5	7270.8	7396.1	7536.8	7677.6	7806.9
4°	6736.3	6721.1	6750.9	6819.1	6929.0	7074.4	7245.8	7423.3	7615.0	7807.8	7986.2
5°	6609.0	6590.1	6624.4	6707.3	6838.7	7014.8	7226.0	7452.2	7694.9	7949.1	8184.2
6°	6487.5	6465.6	6502.6	6596.2	6751.9	6958.2	7210.6	7486.4	7781.5	8096.4	8395.9
7°	6373.8	6349.4	6389.6	6494.9	6664.8	6905.8	7197.4	7523.8	7875.7	8256.8	8620.5
8°	6269.8	6239.2	6284.1	6403.9	6587.9	6854.0	7186.1	7562.2	7975.4	8426.4	8860.4
9°	6167.5	6130.7	6181.0	6314.1	6519.4	6802.3	7175.2	7605.0	8079.6	8606.0	9119.6
10°	6071.0	6031.3	6085.1	6226.9	6453.5	6753.3	7169.8	7651.5	8190.9	8794.9	9394.1
11°	5985.9	5942.0	5994.7	6147.4	6389.4	6711.8	7168.5	7707.9	8310.5	8997.3	9687.9
12°	5909.7	5845.9	5912.1	6073.8	6329.0	6679.1	7151.1	7744.0	8437.7	9210.1	9996.8
13°	5767.7	5671.0	5771.1	6003.8	6269.2	6627.5	7141.5	7789.5	8546.0	9440.4	10327.0
14°	5655.4	5597.2	5656.4	5910.5	6217.1	6583.7	7131.7	7830.9	8662.9	9673.2	10669.9
15°	5596.5	5533.4	5593.3	5774.1	6153.2	6543.9	7132.2	7887.9	8784.3	9896.8	11035.7
16°	5540.6	5474.4	5535.8	5717.2	6098.3	6515.1	7138.0	7959.1	8919.7	10134.6	11409.0
17°	5491.7	5419.5	5486.9	5671.0	6027.6	6485.0	7149.7	8023.0	9077.4	10379.5	11797.3
18°	5438.8	5357.8	5433.0	5630.6	5934.2	6463.1	7169.7	8096.3	9218.1	10638.4	12170.0
19°	5385.7	5299.3	5381.5	5599.0	5873.7	6457.4	7203.8	8188.1	9377.5	10899.6	12534.4
20°	5332.3	5234.8	5332.7	5562.5	5836.6	6460.4	7239.6	8284.3	9537.9	11175.0	12898.9
21°	5271.8	5013.2	5278.6	5518.6	5812.5	6460.6	7264.2	8370.5	9719.0	11443.4	13244.8
22°	5000.1	4850.5	5022.6	5477.1	5798.0	6446.9	7271.6	8446.8	9905.3	11713.5	13575.5
23°	4894.5	4805.3	4916.7	5444.7	5784.9	6423.6	7295.6	8502.5	10086.1	11984.8	13905.0
24°	4855.8	4773.9	4882.5	5240.0	5760.2	6401.2	7339.1	8574.4	10254.2	12251.5	14229.9
25°	4831.1	4747.8	4858.9	5102.5	5736.6	6382.1	7357.4	8672.6	10403.1	12520.5	14531.5
26°	4807.9	4720.3	4838.5	5081.1	5722.5	6351.4	7383.1	8757.3	10557.3	12786.0	14838.9
27°	4782.7	4700.2	4816.7	5062.8	5690.9	6364.7	7424.8	8831.3	10728.8	13050.3	15135.9
28°	4764.2	4675.8	4800.0	5036.1	5652.8	6374.3	7466.4	8925.4	10926.1	13297.2	15436.3
29°	4742.4	4470.4	4780.3	5004.2	5472.8	6357.2	7492.9	9037.2	11124.7	13538.2	15727.4
30°	4507.1	4386.1	4541.3	4977.1	5354.0	6333.6	7499.8	9151.7	11294.1	13761.8	16023.2
31°	4439.3	4377.0	4475.9	4953.3	5307.0	6333.2	7529.7	9256.8	11491.1	13984.2	16338.8
32°	4427.2	4377.4	4464.1	4925.2	5285.9	6338.6	7575.2	9342.6	11704.2	14224.1	16627.6
33°	4419.7	4375.5	4457.9	4666.5	5279.7	6316.8	7624.4	9451.8	11935.9	14465.1	16909.4
34°	4410.9	4366.4	4448.0	4614.2	5276.5	6314.8	7645.4	9580.9	12143.2	14708.5	17145.8
35°	4395.6	4357.7	4432.6	4592.1	5271.6	6315.2	7691.4	9708.1	12326.0	14936.7	17303.0
36°	4378.4	4192.1	4413.3	4583.8	5249.5	6308.0	7746.0	9830.4	12485.5	15090.5	17358.9
37°	4205.6	4073.9	4218.2	4591.1	5231.5	6297.6	7781.4	9913.8	12617.1	15174.3	17339.1
38°	4066.2	4076.6	4101.3	4591.8	5177.1	6276.3	7811.5	10003.1	12718.4	15195.3	17258.7
39°	4056.7	4088.2	4090.6	4590.6	5007.3	6120.6	7819.5	10098.3	12788.3	15176.6	17166.7
40°	4054.4	4093.4	4082.9	4526.9	5035.4	6041.0	7828.7	10160.9	12830.2	15166.2	17102.7
41°	4033.2	4074.5	4058.1	4366.7	5070.7	6065.4	7837.3	10205.6	12851.2	15176.6	17065.4
42°	3988.9	3849.4	4013.8	4373.0	5068.2	6096.9	7848.3	10245.8	12888.4	15198.8	17058.4
43°	3767.1	3772.6	3796.5	4355.5	5073.5	6077.3	7872.8	10279.3	12928.0	15230.2	17073.6
44°	3679.4	3766.7	3718.4	4314.3	5089.6	6065.4	7897.0	10302.9	12982.8	15266.3	17080.6



REPORT NUMBER: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3672.1	3754.0	3712.2	4286.6	5105.9	6088.8	7939.3	10342.2	13046.8	15301.2	17075.9
46°	3659.3	3730.5	3695.8	4116.1	5031.5	6128.2	7909.1	10368.4	13113.2	15346.6	17071.2
47°	3625.5	3407.7	3668.2	4000.3	4845.4	6134.1	7832.9	10392.1	13169.1	15397.9	17056.1
48°	3345.2	3377.0	3391.3	3999.9	4830.9	6156.0	7846.1	10446.9	13216.8	15438.6	17027.0
49°	3329.0	3352.3	3385.5	3978.6	4844.0	6037.1	7884.0	10495.5	13266.9	15470.1	16974.6
50°	3326.3	3328.1	3386.3	3967.8	4831.9	5960.3	7914.3	10536.8	13311.1	15501.5	16907.0
51°	3322.7	3063.6	3386.9	3742.5	4811.5	5966.8	7918.6	10569.1	13334.4	15517.8	16837.2
52°	3120.6	2969.6	3171.3	3712.1	4649.9	5954.2	7937.0	10566.2	13342.6	15520.2	16762.6
53°	3057.6	2950.6	3117.5	3730.3	4576.0	5994.3	7959.7	10478.5	13351.9	15503.8	16671.8
54°	3039.4	2912.0	3098.4	3746.8	4587.5	5998.6	7929.6	10398.5	13337.9	15463.1	16567.0
55°	2999.7	2602.6	3043.4	3581.1	4586.8	6000.0	7922.6	10369.1	13301.8	15407.2	16456.4
56°	2747.9	2600.9	2807.3	3515.6	4555.1	5991.6	7895.4	10349.1	13259.9	15347.8	16324.8
57°	2752.9	2449.5	2815.9	3517.0	4373.5	5888.1	7876.1	10319.5	13229.6	15271.0	16164.1
58°	2580.8	2300.1	2628.1	3402.8	4422.8	5873.6	7768.1	10245.4	13191.2	15176.6	15970.8
59°	2480.2	2306.2	2546.6	3292.1	4483.2	5874.2	7724.6	10174.5	13140.0	15066.0	15748.4
60°	2394.2	1972.0	2463.7	3311.9	4523.2	5865.8	7661.2	10083.1	13060.8	14928.6	15503.8
61°	2308.0	1976.4	2380.8	3138.5	4382.7	5823.3	7581.8	10007.1	12959.5	14773.7	15238.3
62°	2216.0	1675.3	2293.9	3124.3	4376.3	5753.7	7492.7	9879.9	12791.8	14585.1	14942.6
63°	1927.8	1663.6	2002.7	3036.6	4365.6	5748.8	7388.0	9726.8	12575.2	14363.8	14603.7
64°	1909.2	1299.8	1963.1	2943.2	4311.9	5692.8	7274.3	9535.1	12310.9	14111.1	14213.6
65°	1619.4	1151.6	1683.0	2826.2	4328.9	5551.4	7160.3	9344.0	12062.8	13823.5	13767.6
66°	1407.3	932.1	1450.2	2807.1	4258.0	5572.4	7020.4	9065.8	11784.5	13498.6	13278.5
67°	1280.5	620.7	1267.2	2659.8	4246.6	5607.3	6840.6	8764.1	11460.7	13134.1	12735.9
68°	1012.9	309.4	1045.3	2539.8	4234.9	5627.3	6615.2	8314.5	11089.8	12711.4	12167.6
69°	673.5	0.7	703.5	2420.0	4219.6	5509.6	6351.2	7822.5	10627.5	12234.0	11553.9
70°	652.4	0.6	676.8	2302.8	4239.9	5355.1	5946.2	7105.2	10066.6	11689.0	10886.8
71°	651.1	0.6	653.0	2269.3	4219.8	5210.3	5425.3	6271.9	9338.3	11091.3	10168.9
72°	619.5	0.6	604.4	2241.0	4301.2	5061.7	4937.6	5506.2	8554.5	10444.7	9463.4
73°	556.9	0.6	516.6	2153.8	4232.2	4825.0	4566.7	4816.4	7604.0	9704.5	8741.0
74°	479.6	0.6	409.7	2120.9	4134.7	4607.7	4238.7	4087.3	6591.1	8853.1	8006.1
75°	384.7	0.6	338.5	2034.0	4034.9	4441.4	3737.3	3103.8	5535.2	7890.4	7195.8
76°	289.2	0.6	313.0	1903.0	3821.0	4284.2	2832.2	1920.3	4367.5	6842.4	6300.1
77°	219.9	0.7	348.4	1731.7	3507.2	4119.7	1927.1	925.8	3014.5	5684.7	5159.9
78°	237.6	0.7	398.2	1530.1	3105.9	3770.3	1031.9	607.8	1710.0	4435.6	3699.8
79°	328.4	0.8	321.1	1364.1	2624.0	2847.7	431.5	307.1	1256.9	3219.8	2243.6
80°	344.6	1.0	243.9	1275.6	2142.2	1925.2	322.7	260.2	813.5	2082.0	1144.2
81°	276.3	1.1	166.8	1193.4	1666.7	1003.0	215.7	226.6	370.0	1137.1	917.8
82°	207.9	1.3	88.6	1017.8	1392.4	740.8	173.2	195.6	307.5	846.7	715.7
83°	139.8	1.5	46.7	657.3	1078.3	478.7	140.6	166.4	264.7	578.1	513.5
84°	81.4	1.7	37.1	474.0	706.7	218.0	114.0	137.6	225.2	309.4	451.0
85°	49.3	1.9	27.6	290.7	505.1	180.6	90.2	109.8	185.0	243.5	392.5
86°	38.0	2.2	18.2	112.1	303.4	144.7	68.6	82.4	144.3	193.6	332.3
87°	26.7	2.4	15.4	65.6	103.5	107.1	50.0	55.0	108.3	151.1	264.0
88°	15.4	2.7	12.6	45.5	71.0	73.6	35.4	32.3	78.4	114.0	179.9
89°	9.7	3.1	8.7	25.4	38.5	40.1	20.7	14.1	48.7	88.8	101.5



REPORT NUMBER: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	7355.9	7355.9	7355.9
1°	7518.2	7536.4	7545.8
2°	7705.3	7746.2	7761.0
3°	7908.1	7973.4	7993.9
4°	8131.3	8226.3	8256.3
5°	8376.2	8502.2	8543.0
6°	8639.8	8805.3	8857.4
7°	8927.6	9127.9	9194.8
8°	9228.1	9474.8	9558.4
9°	9558.0	9847.5	9949.8
10°	9904.1	10247.7	10366.1
11°	10276.7	10676.6	10814.4
12°	10671.0	11128.2	11294.6
13°	11090.6	11615.4	11810.1
14°	11527.6	12125.7	12342.3
15°	11987.1	12652.0	12897.7
16°	12458.7	13194.7	13464.8
17°	12951.3	13746.7	14034.3
18°	13429.9	14292.8	14586.2
19°	13898.0	14813.3	15130.1
20°	14354.5	15315.2	15651.7
21°	14795.8	15793.8	16145.5
22°	15208.1	16237.5	16598.5
23°	15607.5	16676.5	17038.6
24°	15991.8	17102.7	17446.2
25°	16373.7	17502.1	17837.5
26°	16752.2	17873.6	18169.3
27°	17108.5	18190.3	18460.5
28°	17422.9	18465.1	18727.1
29°	17714.0	18744.6	19010.1
30°	18009.8	19059.0	19344.3
31°	18318.4	19347.8	19617.9
32°	18592.0	19556.2	19821.7
33°	18776.0	19654.0	19891.6
34°	18858.7	19629.6	19825.2
35°	18826.1	19479.4	19641.2
36°	18721.3	19262.8	19404.8
37°	18552.4	19039.2	19194.1
38°	18394.1	18894.8	19077.6
39°	18290.4	18813.3	19010.1
40°	18225.2	18767.9	18960.0
41°	18183.3	18729.5	18901.8
42°	18137.9	18685.2	18827.3
43°	18092.5	18635.1	18732.9
44°	18047.1	18568.8	18617.7



REPORT NUMBER: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	17992.3	18477.9	18479.1
46°	17930.6	18365.0	18326.5
47°	17861.9	18241.5	18165.8
48°	17778.1	18107.6	17999.3
49°	17669.8	17972.5	17834.0
50°	17539.4	17832.8	17658.1
51°	17397.3	17677.9	17459.0
52°	17237.8	17498.6	17233.1
53°	17072.4	17280.8	16982.7
54°	16900.1	17023.5	16696.3
55°	16717.2	16719.6	16370.2
56°	16503.0	16373.7	15991.8
57°	16251.4	15988.3	15565.6
58°	15947.5	15531.8	15085.8
59°	15612.1	15036.9	14561.8
60°	15236.0	14500.1	13958.6
61°	14807.5	13891.0	13201.7
62°	14333.5	13153.9	12302.7
63°	13809.5	12302.7	11282.2
64°	13242.4	11375.2	10241.0
65°	12602.0	10457.4	9293.5
66°	11910.3	9602.6	8472.2
67°	11195.7	8835.5	7826.3
68°	10458.8	8138.9	7307.3
69°	9760.5	7517.4	6790.9
70°	9094.6	6903.5	5986.6
71°	8403.8	6145.6	4709.8
72°	7650.3	5088.4	3201.5
73°	6895.0	3755.2	1871.3
74°	6099.6	2489.0	1056.7
75°	5093.0	1514.5	881.5
76°	4010.5	1215.8	728.5
77°	3067.1	919.6	575.5
78°	2317.4	623.4	514.1
79°	1711.7	539.5	472.9
80°	1155.5	481.9	435.7
81°	930.4	432.6	400.8
82°	707.9	391.3	367.4
83°	485.5	358.2	333.6
84°	406.6	319.3	298.5
85°	321.7	277.8	263.5
86°	257.0	239.9	227.1
87°	210.1	203.6	189.6
88°	166.5	168.2	155.4
89°	123.8	132.9	128.1



REPORT NUMBER: P1436839  
CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436839  
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4)

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)