

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: P1436790

Luminaire Tested: XAS300-SFPM (3000K-300W-T3-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436790
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-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 34436.6 lumens
Efficiency: 89.0%
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

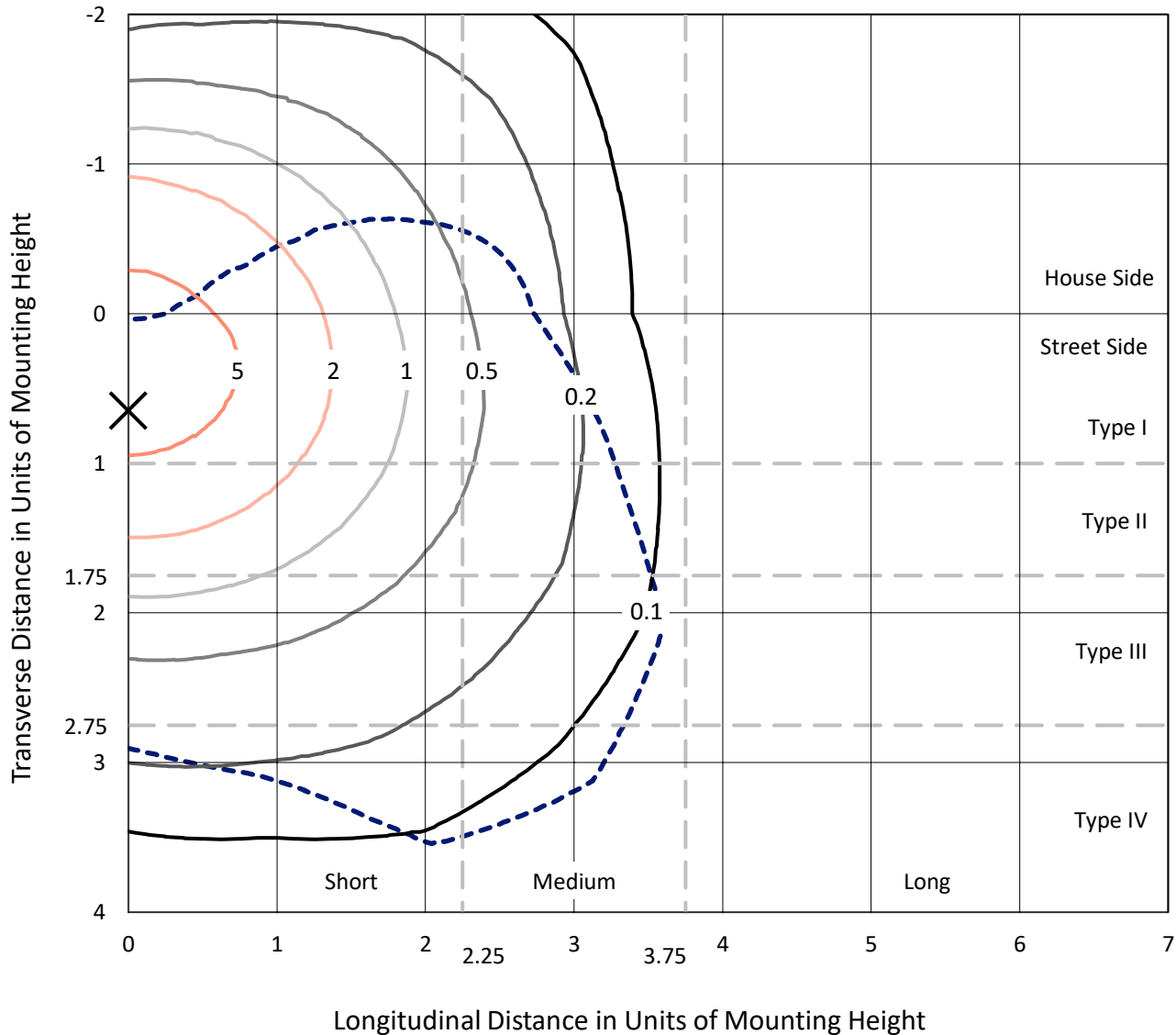
Input Watts (W): 297.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

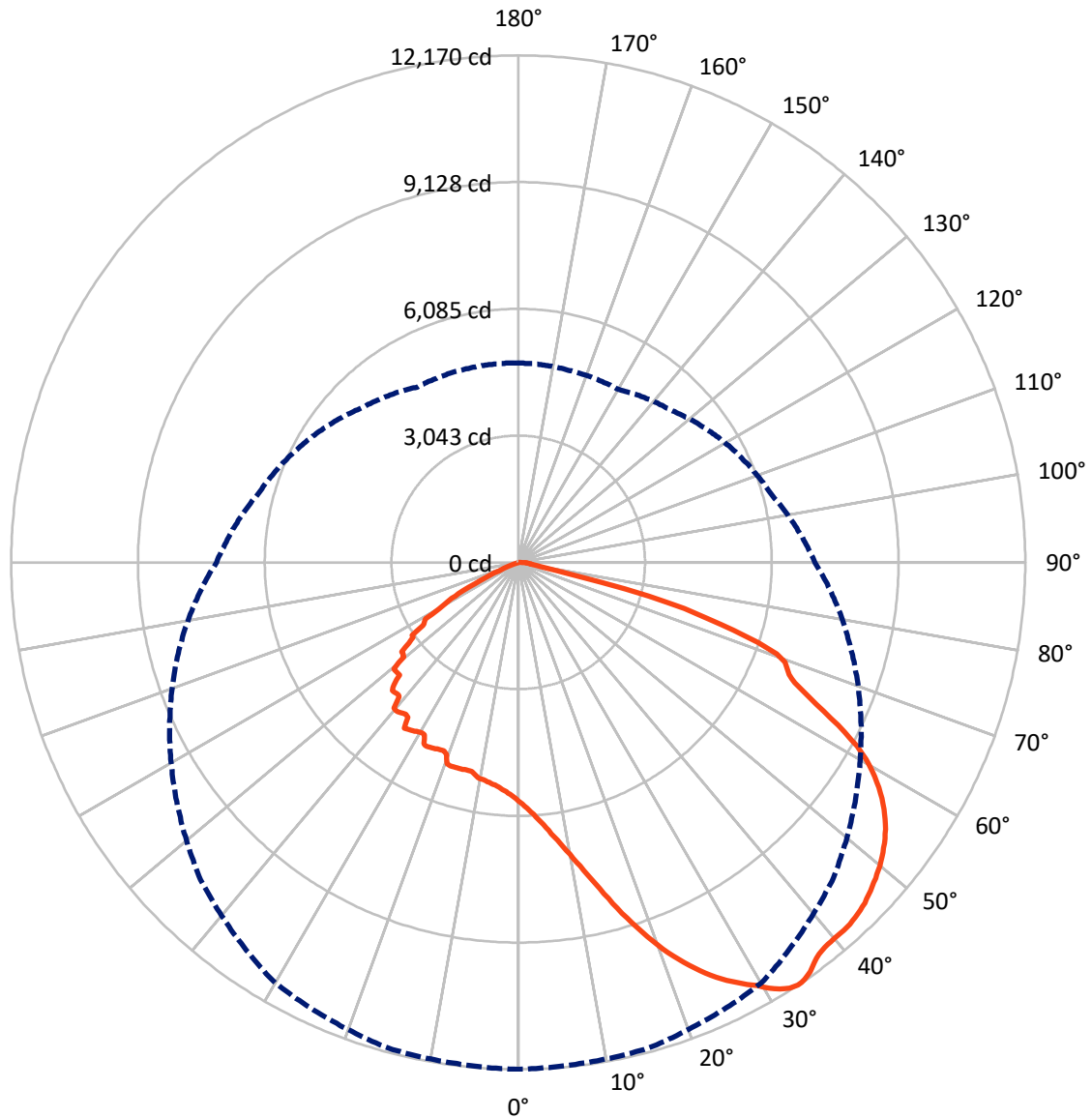
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - 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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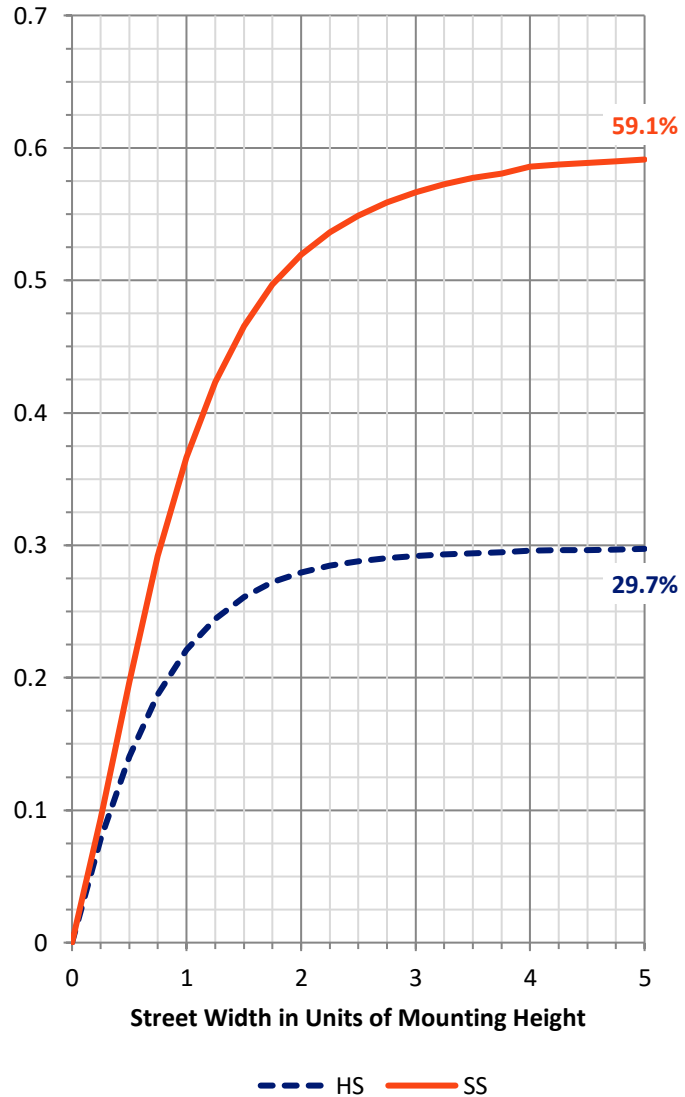
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11563.8	0.0	11563.8
	% Lamp	29.9	0.0	29.9
Street Side	Lumens	22872.8	0.0	22872.8
	% Lamp	59.1	0.0	59.1
Total	Lumens	34436.6	0.0	34436.6
	% Lamp	89.0	0.0	89.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	566.4	1.6	1.5
10°-20°	1856.2	5.4	4.8
20°-30°	3420.3	9.9	8.8
30°-40°	4988.0	14.5	12.9
40°-50°	6156.5	17.9	15.9
50°-60°	6876.0	20.0	17.8
60°-70°	6440.4	18.7	16.6
70°-80°	3819.3	11.1	9.9
80°-90°	313.6	0.9	0.8
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	34436.6	100.0	89.0
0°-180°	34436.6	100.0	89.0

Coefficient of Utilization



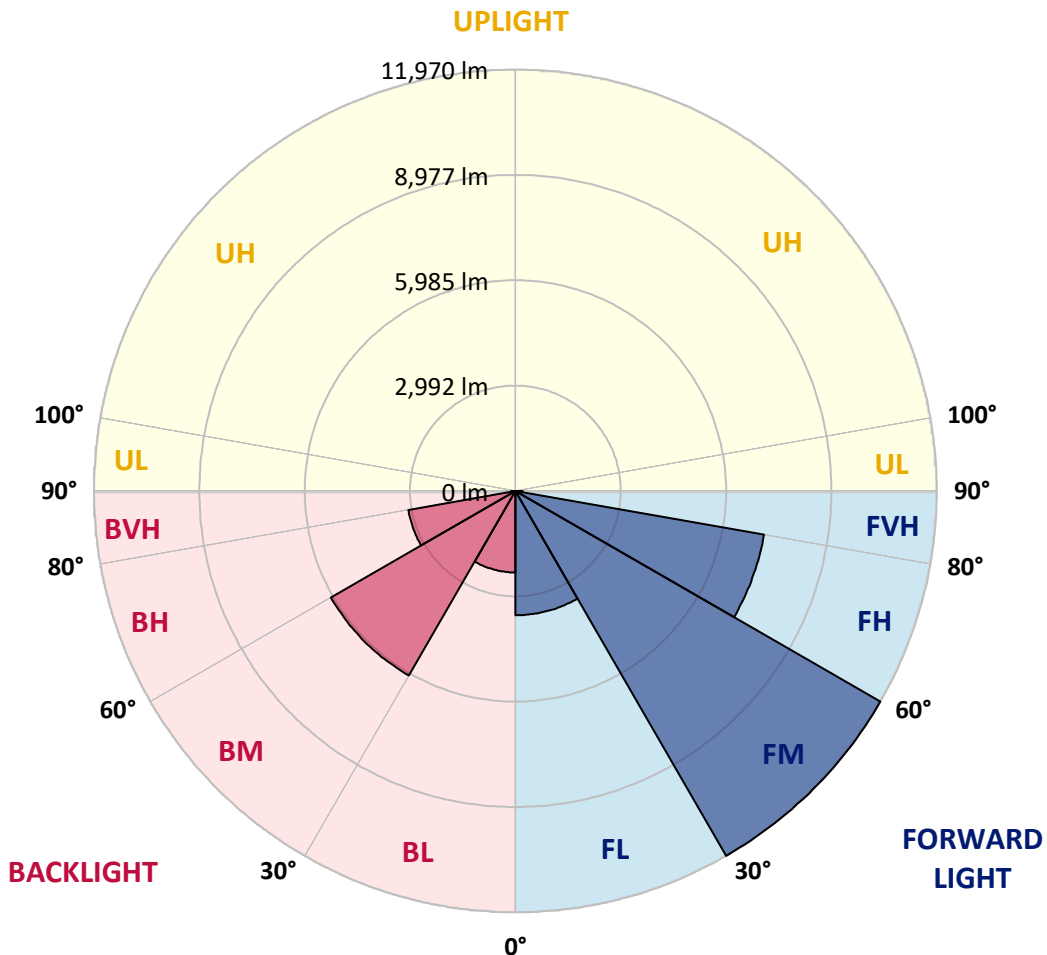
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3529.3	9.1			
FM (30°-60°)	11969.7	30.9			
FH (60°-80°)	7170.3	18.5			G3/7500
FVH (80°-90°)	203.4	0.5			G2/225
BL (0°-30°)	2313.6	6.0	B3/2500		
BM (30°-60°)	6050.7	15.6	B4/8500		
BH (60°-80°)	3089.4	8.0	B4/5000		G4/5000
BVH (80°-90°)	110.1	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	4258.4	11.0			

BUG Rating: B4-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6
1°	5850.4	5850.8	5843.7	5832.5	5817.0	5795.6	5754.1	5732.4	5712.3	5697.4	5685.7
2°	5952.6	5948.6	5929.0	5899.7	5864.3	5820.8	5756.6	5713.4	5674.5	5643.1	5620.1
3°	6064.2	6056.0	6024.3	5977.6	5917.8	5851.0	5763.7	5699.4	5642.8	5595.9	5564.4
4°	6190.6	6175.9	6131.3	6064.7	5980.1	5889.0	5777.1	5691.3	5615.0	5555.4	5514.9
5°	6329.2	6308.6	6247.0	6158.4	6050.3	5932.5	5796.7	5688.7	5594.7	5521.9	5472.4
6°	6479.3	6452.3	6376.4	6263.9	6126.9	5978.9	5817.8	5689.8	5578.4	5492.6	5432.6
7°	6644.5	6612.7	6516.9	6378.7	6208.3	6028.1	5840.6	5692.0	5565.8	5467.2	5402.1
8°	6818.7	6779.9	6668.7	6501.2	6296.2	6082.6	5867.4	5697.2	5555.3	5447.7	5379.1
9°	7011.5	6963.2	6832.6	6632.5	6391.0	6141.8	5897.7	5704.1	5545.8	5435.5	5359.2
10°	7219.5	7163.0	7006.9	6772.9	6492.0	6204.4	5928.6	5712.4	5537.5	5425.8	5342.9
11°	7440.5	7375.1	7196.8	6925.4	6598.7	6271.9	5964.1	5724.0	5534.7	5418.2	5329.3
12°	7678.4	7602.5	7396.3	7085.1	6710.7	6343.0	5988.2	5725.5	5537.7	5412.3	5321.8
13°	7940.0	7848.5	7609.3	7256.1	6831.0	6402.6	6015.4	5728.5	5527.1	5408.5	5314.2
14°	8213.2	8106.9	7830.5	7433.3	6958.6	6467.5	6048.0	5732.9	5520.7	5409.2	5256.9
15°	8495.9	8378.7	8064.4	7614.9	7076.3	6536.5	6084.9	5745.8	5515.0	5397.5	5221.2
16°	8785.1	8648.7	8304.0	7806.3	7203.0	6613.2	6135.3	5769.1	5517.1	5378.7	5222.2
17°	9072.2	8927.1	8545.7	8001.9	7333.2	6698.2	6180.4	5786.0	5524.7	5334.7	5229.2
18°	9356.1	9198.6	8788.8	8201.3	7461.3	6790.1	6231.4	5810.6	5531.3	5308.6	5239.0
19°	9634.6	9464.7	9030.4	8396.2	7600.7	6877.6	6292.2	5847.5	5546.2	5308.0	5253.3
20°	9904.3	9726.3	9264.4	8572.0	7739.6	6970.7	6357.9	5887.9	5570.8	5312.5	5265.5
21°	10157.1	9976.4	9491.4	8762.4	7887.7	7073.8	6423.0	5920.4	5594.1	5320.7	5266.9
22°	10396.5	10213.1	9709.4	8934.3	8024.5	7183.5	6477.4	5932.7	5600.6	5342.0	5266.0
23°	10623.4	10443.6	9923.9	9103.3	8168.8	7295.7	6511.0	5954.7	5578.9	5362.2	5222.5
24°	10839.6	10660.8	10131.2	9271.5	8311.0	7396.7	6555.4	5994.6	5585.2	5372.1	5048.4
25°	11041.7	10873.5	10333.3	9440.6	8451.9	7488.2	6617.1	6018.1	5590.9	5382.8	4987.8
26°	11219.7	11059.5	10529.9	9601.7	8595.9	7566.4	6677.9	6042.8	5597.8	5400.2	4996.8
27°	11375.4	11228.6	10716.8	9759.2	8739.0	7656.1	6722.3	6084.0	5628.8	5402.6	5011.3
28°	11525.8	11380.7	10893.0	9914.1	8879.3	7761.8	6782.7	6126.0	5659.5	5300.0	5020.8
29°	11677.1	11534.7	11052.3	10059.2	9007.2	7875.4	6859.3	6160.2	5671.9	5202.4	5028.2
30°	11860.4	11710.0	11210.8	10208.7	9129.2	7973.7	6937.6	6180.6	5678.9	5156.0	5038.0
31°	12010.8	11871.1	11376.3	10371.5	9227.0	8070.1	7007.9	6208.8	5703.5	5146.3	5052.6
32°	12124.7	11998.4	11531.1	10541.5	9341.0	8170.6	7065.1	6250.8	5731.8	5152.0	4933.2
33°	12170.1	12072.2	11665.5	10701.7	9476.2	8282.4	7121.7	6289.8	5736.1	5172.2	4795.4
34°	12145.2	12064.2	11743.8	10848.5	9618.6	8401.4	7192.9	6313.6	5754.6	5195.2	4785.0
35°	12062.4	11995.7	11743.0	10958.0	9753.9	8522.7	7274.2	6349.1	5771.0	5211.3	4792.0
36°	11951.2	11896.0	11684.2	11027.4	9874.0	8635.1	7353.5	6392.5	5783.1	5215.4	4809.0
37°	11853.3	11783.9	11599.7	11039.9	9953.3	8721.2	7412.8	6424.8	5775.1	5210.0	4838.4
38°	11810.6	11712.7	11519.6	11015.9	10002.2	8800.9	7475.9	6454.3	5678.0	5078.0	4852.0
39°	11797.2	11678.9	11466.2	10982.9	10018.2	8870.2	7560.5	6482.3	5605.5	5005.9	4857.5
40°	11793.7	11661.1	11441.3	10962.5	10016.4	8920.0	7640.8	6511.4	5583.6	5038.4	4688.9
41°	11790.1	11651.3	11428.8	10955.3	10030.7	8958.3	7702.1	6531.9	5621.3	5072.1	4617.5
42°	11778.5	11641.5	11421.7	10953.6	10061.8	8996.6	7745.7	6543.5	5658.8	5071.9	4640.6
43°	11752.7	11629.9	11416.3	10962.5	10098.3	9030.4	7776.2	6581.2	5645.8	5083.7	4634.5
44°	11714.5	11612.1	11406.5	10979.4	10138.4	9066.0	7801.4	6618.1	5647.6	5115.4	4629.4



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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	11660.2	11583.6	11391.4	10996.3	10175.7	9113.1	7832.1	6665.0	5679.3	5137.9	4627.9
46°	11597.9	11547.2	11371.8	11007.0	10213.1	9170.1	7863.2	6649.5	5714.8	4991.8	4402.4
47°	11525.8	11507.1	11348.7	11015.0	10250.5	9229.7	7886.6	6608.2	5722.4	4888.8	4343.7
48°	11451.0	11459.9	11322.9	11024.8	10287.0	9285.8	7931.0	6627.9	5718.0	4897.4	4360.2
49°	11371.0	11411.9	11290.0	11028.3	10329.7	9338.3	7981.6	6668.6	5613.4	4928.5	4359.9
50°	11283.7	11362.1	11251.7	11019.4	10361.7	9385.5	8026.8	6697.2	5563.4	4926.6	4332.8
51°	11187.6	11301.5	11205.4	11002.5	10399.1	9425.5	8062.9	6705.7	5572.4	4918.9	4088.0
52°	11077.3	11231.2	11153.8	10987.4	10440.1	9462.9	8060.3	6731.9	5573.6	4743.0	4084.1
53°	10958.0	11146.7	11095.1	10970.5	10474.8	9489.6	8018.5	6744.8	5614.3	4692.0	4114.1
54°	10824.5	11043.4	11035.4	10949.1	10492.6	9514.5	7974.2	6729.3	5613.2	4701.9	4137.7
55°	10673.2	10923.3	10966.9	10922.4	10498.8	9529.6	7967.8	6720.0	5605.0	4696.7	3898.1
56°	10498.8	10780.0	10885.0	10885.0	10498.8	9535.9	7969.5	6698.6	5560.4	4610.0	3845.5
57°	10308.3	10617.2	10788.0	10842.3	10496.1	9545.7	7960.6	6679.9	5476.6	4468.2	3847.6
58°	10095.6	10428.5	10671.4	10794.3	10484.6	9559.9	7926.1	6609.1	5459.3	4512.6	3663.4
59°	9864.3	10215.8	10544.2	10737.3	10467.6	9566.1	7891.3	6576.1	5447.4	4563.9	3556.1
60°	9593.7	9975.5	10391.1	10666.1	10437.4	9558.1	7854.8	6524.1	5426.0	4528.2	3547.7
61°	9251.1	9695.2	10222.9	10575.3	10393.8	9527.0	7798.5	6463.8	5377.6	4386.1	3290.1
62°	8843.0	9355.2	10030.7	10463.2	10340.4	9462.0	7719.0	6394.8	5315.2	4363.2	3267.3
63°	8387.1	8969.9	9814.4	10331.5	10268.3	9356.1	7615.4	6313.7	5298.4	4297.8	3081.6
64°	7937.0	8571.0	9572.4	10185.5	10174.0	9220.8	7494.5	6224.2	5240.9	4218.7	2996.7
65°	7547.0	8181.4	9308.9	10021.8	10064.5	9072.2	7373.5	6149.9	5124.5	4178.3	2785.6
66°	7236.8	7839.7	9020.6	9829.5	9931.9	8936.9	7216.1	6056.6	5127.7	4075.2	2689.4
67°	7033.9	7548.6	8744.6	9614.2	9767.3	8779.2	7033.1	5930.5	5160.8	4034.4	2473.9
68°	6929.5	7332.8	8480.6	9366.8	9571.5	8583.5	6773.5	5786.8	5186.0	3950.7	2294.7
69°	6835.5	7178.0	8236.3	9099.8	9333.0	8332.1	6469.6	5612.0	5066.7	3880.9	2085.1
70°	6581.2	7034.6	8000.4	8810.3	9058.0	7964.2	6000.9	5361.2	4934.7	3813.7	1931.1
71°	6078.7	6790.3	7788.5	8515.7	8739.1	7485.0	5397.6	5015.4	4825.5	3725.6	1820.8
72°	5415.9	6375.0	7587.4	8213.4	8385.9	6919.3	4801.3	4640.2	4681.7	3626.2	1710.6
73°	4758.6	5804.6	7361.7	7918.6	7980.9	6285.2	4265.4	4254.6	4458.4	3518.9	1600.4
74°	4137.1	5171.8	7091.0	7618.7	7513.6	5643.5	3766.8	3866.7	4226.5	3377.3	1496.8
75°	3242.1	4475.8	6742.1	7253.5	7005.8	4963.4	3163.7	3468.2	3982.1	3188.5	1350.1
76°	2036.8	3617.9	6249.3	6832.5	6404.1	4214.9	2307.2	3003.2	3723.8	2956.2	1196.1
77°	962.7	2404.9	5605.6	6248.5	5717.9	3185.9	1450.7	2250.7	3461.0	2623.1	1048.8
78°	756.1	1208.2	4815.6	5487.1	4897.2	2005.5	607.0	1498.1	3164.9	2185.1	896.5
79°	559.5	926.8	3766.1	4549.4	3934.0	1000.9	276.6	753.1	2690.6	1747.2	760.4
80°	363.0	645.5	2414.9	3402.7	2791.0	744.9	237.2	552.0	1921.9	1309.7	656.9
81°	330.3	364.3	1253.1	2169.9	1619.7	499.1	197.8	350.9	1155.7	967.2	661.0
82°	300.4	322.0	938.3	1043.7	728.9	253.3	158.6	154.7	506.1	790.7	615.6
83°	271.9	288.5	637.0	801.6	499.7	213.7	135.9	125.6	383.8	673.8	492.6
84°	242.8	255.8	335.7	563.6	273.7	181.1	113.9	100.8	261.4	534.6	339.5
85°	213.5	223.6	271.8	325.6	219.7	150.3	92.4	79.4	141.0	379.9	242.9
86°	182.0	193.3	218.3	276.7	176.1	119.4	71.6	61.1	116.4	304.7	147.4
87°	150.8	164.2	180.5	220.9	140.2	91.3	51.2	45.4	90.3	229.6	96.4
88°	123.0	136.1	143.6	157.9	108.6	69.3	36.3	32.3	60.0	154.5	65.9
89°	100.7	106.6	105.5	93.5	83.4	47.4	21.5	19.3	41.7	79.4	35.5



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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6	5762.6
1°	5680.5	5680.9	5688.1	5700.2	5717.8	5737.5	5758.5	5760.8	5782.1	5803.4	5822.0
2°	5609.5	5607.0	5617.3	5638.0	5668.4	5704.6	5747.0	5770.7	5813.5	5855.5	5893.5
3°	5547.6	5542.8	5555.8	5583.5	5623.6	5676.5	5737.6	5783.9	5849.3	5914.6	5974.4
4°	5493.6	5487.5	5502.9	5535.2	5586.2	5653.9	5733.5	5801.3	5891.0	5981.3	6062.8
5°	5443.7	5437.4	5454.5	5493.1	5552.2	5634.8	5731.8	5821.7	5935.1	6051.5	6160.1
6°	5402.1	5395.5	5414.1	5454.4	5523.9	5618.3	5734.5	5846.3	5983.8	6127.9	6265.7
7°	5368.6	5360.3	5381.3	5425.3	5497.2	5605.6	5738.9	5872.2	6036.7	6211.3	6379.0
8°	5339.0	5328.9	5351.6	5403.3	5478.1	5594.5	5745.0	5899.5	6092.8	6300.1	6499.2
9°	5311.7	5300.2	5324.7	5382.0	5465.1	5584.2	5751.2	5929.9	6152.1	6395.5	6630.5
10°	5289.7	5277.5	5302.2	5364.1	5454.8	5576.2	5762.2	5965.7	6215.5	6496.2	6768.6
11°	5274.1	5261.5	5286.3	5350.7	5447.1	5575.3	5775.8	6005.8	6286.8	6604.3	6918.4
12°	5241.1	5203.1	5253.4	5342.3	5442.6	5579.4	5778.6	6032.4	6362.4	6717.6	7077.6
13°	5181.0	5144.1	5193.1	5337.7	5440.3	5570.2	5787.8	6065.0	6423.8	6844.4	7248.7
14°	5153.6	5138.8	5165.6	5277.5	5441.7	5567.9	5796.6	6098.0	6493.2	6969.3	7430.3
15°	5156.8	5138.9	5165.8	5238.4	5431.6	5568.6	5816.0	6140.1	6564.3	7088.8	7619.2
16°	5160.4	5142.8	5169.8	5242.3	5424.9	5578.4	5834.3	6190.4	6644.4	7216.5	7817.4
17°	5168.9	5149.2	5179.2	5251.2	5384.2	5584.6	5857.4	6240.0	6740.7	7347.6	8019.9
18°	5174.8	5149.8	5185.6	5263.0	5363.8	5596.3	5890.3	6294.3	6825.6	7492.0	8218.6
19°	5178.8	5150.8	5190.9	5280.5	5356.5	5620.7	5929.9	6360.8	6920.2	7637.0	8405.4
20°	5182.9	5129.3	5197.1	5293.1	5362.9	5649.9	5968.7	6428.1	7019.3	7790.9	8601.0
21°	5077.3	4918.5	5099.1	5294.0	5381.1	5672.3	6000.4	6488.4	7132.3	7935.8	8788.7
22°	4925.6	4864.4	4955.9	5297.3	5403.9	5682.3	6017.7	6542.6	7245.6	8086.2	8963.6
23°	4901.8	4870.5	4931.2	5266.9	5421.1	5669.6	6053.4	6581.0	7355.7	8238.8	9142.5
24°	4910.9	4884.0	4942.5	5090.8	5435.2	5683.8	6098.9	6634.9	7457.6	8388.6	9316.9
25°	4928.0	4902.7	4961.0	5043.6	5448.7	5694.0	6126.4	6703.6	7545.7	8541.3	9483.4
26°	4947.9	4919.5	4983.1	5060.5	5469.8	5701.9	6159.9	6758.7	7636.9	8689.8	9649.8
27°	4964.4	4938.7	5002.3	5075.1	5470.8	5737.1	6209.2	6812.5	7741.9	8836.4	9808.2
28°	4981.7	4904.4	5025.1	5086.7	5374.5	5766.3	6255.2	6883.1	7860.3	8973.4	9967.5
29°	4894.8	4709.6	4932.8	5094.2	5281.6	5776.0	6285.7	6962.6	7976.0	9107.8	10129.5
30°	4731.0	4694.7	4770.9	5110.4	5232.8	5786.0	6312.8	7041.7	8077.9	9229.7	10294.1
31°	4725.0	4720.6	4764.1	5126.6	5226.1	5814.0	6353.1	7110.1	8190.3	9351.6	10460.5
32°	4744.0	4753.2	4783.8	4993.7	5240.6	5841.3	6401.4	7170.5	8318.6	9483.4	10623.4
33°	4767.6	4784.0	4807.9	4858.0	5265.1	5846.4	6446.9	7242.8	8452.0	9621.3	10779.1
34°	4790.3	4809.2	4828.7	4852.7	5289.7	5866.2	6472.4	7332.4	8573.7	9758.4	10917.1
35°	4808.3	4830.3	4845.6	4859.0	5301.2	5880.6	6515.8	7420.5	8677.9	9891.8	11009.6
36°	4814.9	4571.1	4847.5	4879.8	5303.1	5890.8	6558.5	7502.1	8768.2	9984.4	11049.7
37°	4552.3	4533.9	4578.8	4906.8	5295.2	5878.7	6593.3	7561.9	8846.1	10039.6	11050.6
38°	4498.0	4560.2	4536.6	4915.8	5164.3	5787.2	6623.3	7632.9	8909.3	10061.8	11022.1
39°	4514.7	4592.0	4553.1	4930.3	5096.3	5724.4	6641.6	7705.8	8961.0	10067.2	10986.5
40°	4537.2	4619.8	4569.9	4761.3	5135.8	5706.4	6665.3	7761.5	9000.1	10077.0	10966.9
41°	4539.1	4594.7	4571.3	4700.7	5162.8	5743.4	6671.3	7811.2	9030.4	10099.2	10958.9
42°	4493.7	4308.8	4528.8	4716.8	5158.5	5765.6	6682.0	7854.2	9066.0	10126.8	10971.4
43°	4238.7	4287.6	4280.3	4707.8	5180.5	5741.2	6723.2	7890.2	9105.1	10159.7	10995.4
44°	4217.5	4303.0	4264.3	4703.2	5211.1	5751.1	6766.2	7922.3	9154.1	10196.2	11017.6



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4239.0	4310.9	4284.2	4702.6	5231.8	5789.2	6812.1	7958.4	9210.1	10231.8	11037.2
46°	4242.4	4188.3	4283.6	4465.5	5081.4	5823.6	6777.6	7984.3	9263.5	10275.4	11056.8
47°	4133.5	3924.9	4164.2	4430.1	4986.2	5841.8	6743.6	8016.8	9317.8	10323.5	11072.8
48°	3907.5	3925.8	3958.4	4442.3	5002.6	5827.6	6773.3	8066.5	9371.2	10369.8	11079.9
49°	3924.4	3930.9	3978.9	4440.9	5035.0	5724.5	6822.4	8109.4	9422.8	10409.8	11075.5
50°	3946.1	3928.9	4002.6	4404.1	5026.6	5697.6	6847.8	8144.9	9468.2	10454.3	11066.6
51°	3958.6	3567.9	4019.8	4171.4	5011.4	5707.6	6860.0	8164.3	9505.6	10492.6	11056.8
52°	3651.1	3532.0	3700.0	4177.8	4828.2	5718.1	6886.9	8137.3	9535.9	10523.7	11044.3
53°	3610.2	3527.1	3664.0	4208.5	4800.5	5754.3	6891.5	8084.3	9563.5	10542.4	11029.2
54°	3601.5	3259.1	3654.5	4230.5	4815.5	5749.1	6874.8	8054.2	9576.8	10548.6	11009.6
55°	3350.1	3095.7	3389.5	3976.4	4812.3	5738.1	6860.8	8050.8	9582.1	10547.7	10987.4
56°	3219.8	3088.0	3273.3	3935.0	4705.8	5689.6	6832.1	8051.9	9584.8	10549.5	10957.1
57°	3216.2	2746.7	3268.5	3938.7	4599.9	5609.1	6801.2	8032.5	9590.2	10542.4	10913.5
58°	2907.9	2667.6	2948.8	3733.0	4646.9	5596.4	6719.5	7983.5	9587.5	10522.8	10852.1
59°	2829.3	2606.0	2878.7	3655.8	4697.0	5578.0	6692.7	7944.1	9577.7	10496.1	10776.5
60°	2698.1	2209.9	2717.3	3638.8	4635.4	5551.2	6615.5	7897.4	9544.8	10458.7	10691.0
61°	2436.8	2012.7	2483.3	3377.3	4508.2	5487.6	6545.3	7835.0	9479.8	10409.8	10596.7
62°	2321.4	1815.6	2328.7	3361.5	4486.8	5428.8	6459.1	7750.0	9373.9	10337.7	10492.6
63°	2090.8	1617.3	2107.3	3145.3	4404.1	5405.3	6365.0	7630.9	9247.5	10246.0	10368.0
64°	1860.2	1311.5	1885.9	3078.6	4334.4	5332.2	6271.0	7510.2	9097.1	10141.0	10215.8
65°	1627.5	1011.4	1664.3	2854.1	4284.5	5224.8	6179.9	7368.2	8955.6	10011.1	10034.2
66°	1326.7	755.8	1344.8	2745.2	4179.8	5239.3	6060.9	7174.9	8801.7	9859.8	9832.2
67°	1077.7	502.6	1059.2	2547.3	4139.1	5257.1	5905.3	6957.6	8614.3	9683.6	9609.7
68°	788.3	249.5	782.5	2344.0	4036.1	5239.3	5734.0	6664.0	8369.0	9474.5	9370.3
69°	571.0	0.6	548.9	2097.5	3948.7	5065.7	5529.8	6272.6	8049.6	9227.0	9108.7
70°	513.7	0.5	480.7	1947.6	3866.5	4902.9	5231.5	5704.4	7634.9	8940.5	8816.6
71°	457.5	0.5	419.4	1827.1	3759.0	4754.4	4836.6	5065.3	7099.7	8611.9	8502.7
72°	395.2	0.5	357.0	1706.6	3646.7	4575.9	4428.9	4483.1	6478.2	8250.1	8198.4
73°	328.4	0.5	290.2	1585.6	3502.8	4327.2	4048.8	3994.1	5830.4	7807.2	7883.8
74°	268.5	0.6	225.5	1449.2	3302.6	4088.8	3665.0	3448.0	5160.1	7271.6	7546.6
75°	212.5	0.6	185.1	1283.9	3075.9	3847.5	3167.4	2662.9	4445.9	6665.5	7158.1
76°	156.9	0.7	171.2	1136.2	2776.4	3564.2	2416.7	1672.4	3571.3	5996.9	6693.5
77°	121.0	0.8	187.5	997.0	2371.7	3255.5	1665.9	798.4	2467.8	5261.5	6091.6
78°	130.1	1.0	172.7	857.3	1964.6	2832.4	917.3	510.1	1347.0	4378.8	5219.2
79°	176.5	1.1	157.9	749.3	1557.5	2094.9	375.8	235.3	989.8	3376.6	4180.6
80°	182.1	1.3	142.8	689.7	1154.5	1357.4	269.4	199.6	632.7	2213.8	2987.5
81°	165.0	1.5	89.2	637.9	916.6	635.9	164.2	174.3	275.6	1127.1	1773.9
82°	120.0	1.7	49.4	545.6	765.5	473.1	134.9	151.1	233.1	836.0	771.6
83°	75.2	1.9	37.7	399.7	594.3	310.3	111.6	128.7	200.7	546.7	555.7
84°	44.8	2.1	26.0	253.7	395.5	149.1	91.4	107.1	170.9	257.3	363.5
85°	34.2	2.3	14.4	109.1	261.9	122.4	72.8	84.3	140.4	203.1	316.4
86°	23.6	2.6	12.1	64.3	128.9	97.3	56.2	64.6	111.1	163.1	266.0
87°	13.2	2.8	10.5	38.9	68.5	71.8	41.6	45.0	84.2	129.4	209.2
88°	10.4	3.1	8.9	27.6	47.3	49.7	29.3	25.4	62.0	98.1	143.6
89°	7.2	3.4	6.6	16.2	26.1	27.5	17.1	11.2	40.0	76.1	83.4



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5762.6	5762.6	5762.6
1°	5836.3	5847.0	5850.4
2°	5924.7	5946.4	5952.6
3°	6022.1	6053.3	6064.2
4°	6129.7	6175.9	6190.6
5°	6250.7	6309.1	6329.2
6°	6377.7	6453.2	6479.3
7°	6517.1	6611.7	6644.5
8°	6667.6	6780.9	6818.7
9°	6828.1	6963.0	7011.5
10°	7003.0	7162.1	7219.5
11°	7191.2	7375.4	7440.5
12°	7390.2	7601.5	7678.4
13°	7604.0	7849.0	7940.0
14°	7827.9	8105.4	8213.2
15°	8064.9	8375.0	8495.9
16°	8306.1	8653.8	8785.1
17°	8557.4	8937.8	9072.2
18°	8808.6	9217.3	9356.1
19°	9056.2	9484.2	9634.6
20°	9295.6	9743.2	9904.3
21°	9527.0	9991.5	10157.1
22°	9745.0	10222.9	10396.5
23°	9957.7	10453.4	10623.4
24°	10159.7	10677.7	10839.6
25°	10363.5	10892.2	11041.7
26°	10567.3	11087.1	11219.7
27°	10759.6	11261.5	11375.4
28°	10926.0	11412.8	11525.8
29°	11079.9	11564.1	11677.1
30°	11243.7	11736.7	11860.4
31°	11407.4	11896.0	12010.8
32°	11557.8	12013.5	12124.7
33°	11663.7	12074.0	12170.1
34°	11714.5	12068.7	12145.2
35°	11706.5	11999.3	12062.4
36°	11662.0	11893.4	11951.2
37°	11585.4	11784.8	11853.3
38°	11512.5	11715.4	11810.6
39°	11468.8	11682.4	11797.2
40°	11449.3	11667.3	11793.7
41°	11440.4	11660.2	11790.1
42°	11431.5	11655.7	11778.5
43°	11422.6	11646.8	11752.7
44°	11415.4	11631.7	11714.5



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	11408.3	11603.2	11660.2
46°	11399.4	11566.7	11597.9
47°	11386.1	11525.8	11525.8
48°	11365.6	11479.5	11451.0
49°	11335.4	11431.5	11371.0
50°	11297.1	11382.5	11283.7
51°	11247.2	11329.1	11187.6
52°	11193.0	11261.5	11077.3
53°	11136.9	11177.8	10958.0
54°	11079.9	11074.6	10824.5
55°	11016.7	10953.6	10673.2
56°	10940.2	10810.3	10498.8
57°	10845.0	10650.1	10308.3
58°	10723.1	10456.1	10095.6
59°	10589.6	10242.5	9864.3
60°	10436.5	10008.4	9593.7
61°	10263.8	9739.7	9251.1
62°	10068.9	9413.9	8843.0
63°	9862.5	9033.9	8387.1
64°	9633.8	8622.6	7937.0
65°	9376.6	8235.8	7547.0
66°	9103.3	7895.4	7236.8
67°	8828.8	7613.5	7033.9
68°	8550.4	7390.3	6929.5
69°	8308.1	7225.7	6835.5
70°	8102.4	7079.3	6581.2
71°	7889.3	6852.0	6078.7
72°	7655.6	6443.9	5415.9
73°	7425.1	5870.1	4758.6
74°	7156.3	5225.1	4137.1
75°	6747.7	4520.7	3242.1
76°	6205.8	3655.2	2036.8
77°	5578.5	2525.0	962.7
78°	4803.8	1351.6	756.1
79°	3719.3	1018.3	559.5
80°	2303.2	696.8	363.0
81°	1163.0	375.3	330.3
82°	871.4	326.8	300.4
83°	605.4	294.8	271.9
84°	339.5	260.9	242.8
85°	267.4	226.2	213.5
86°	217.5	194.1	182.0
87°	179.0	164.3	150.8
88°	142.1	135.1	123.0
89°	102.1	105.6	100.7



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



REPORT NUMBER: P1436790

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)