

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: P1445081

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445081
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-300W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 37800.7 lumens
Efficiency: 98.5%
Efficacy: 132.1 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): 286.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

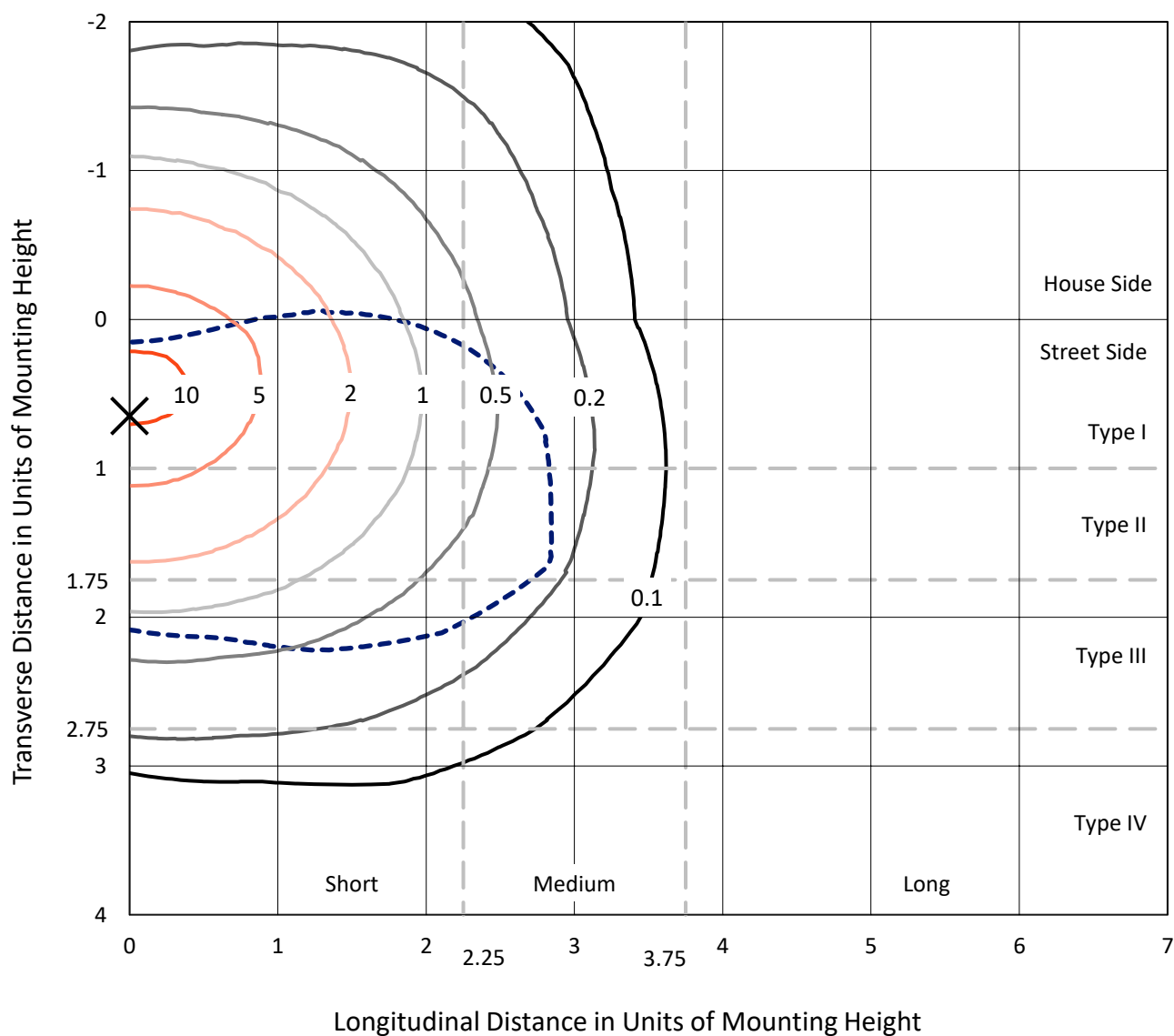
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

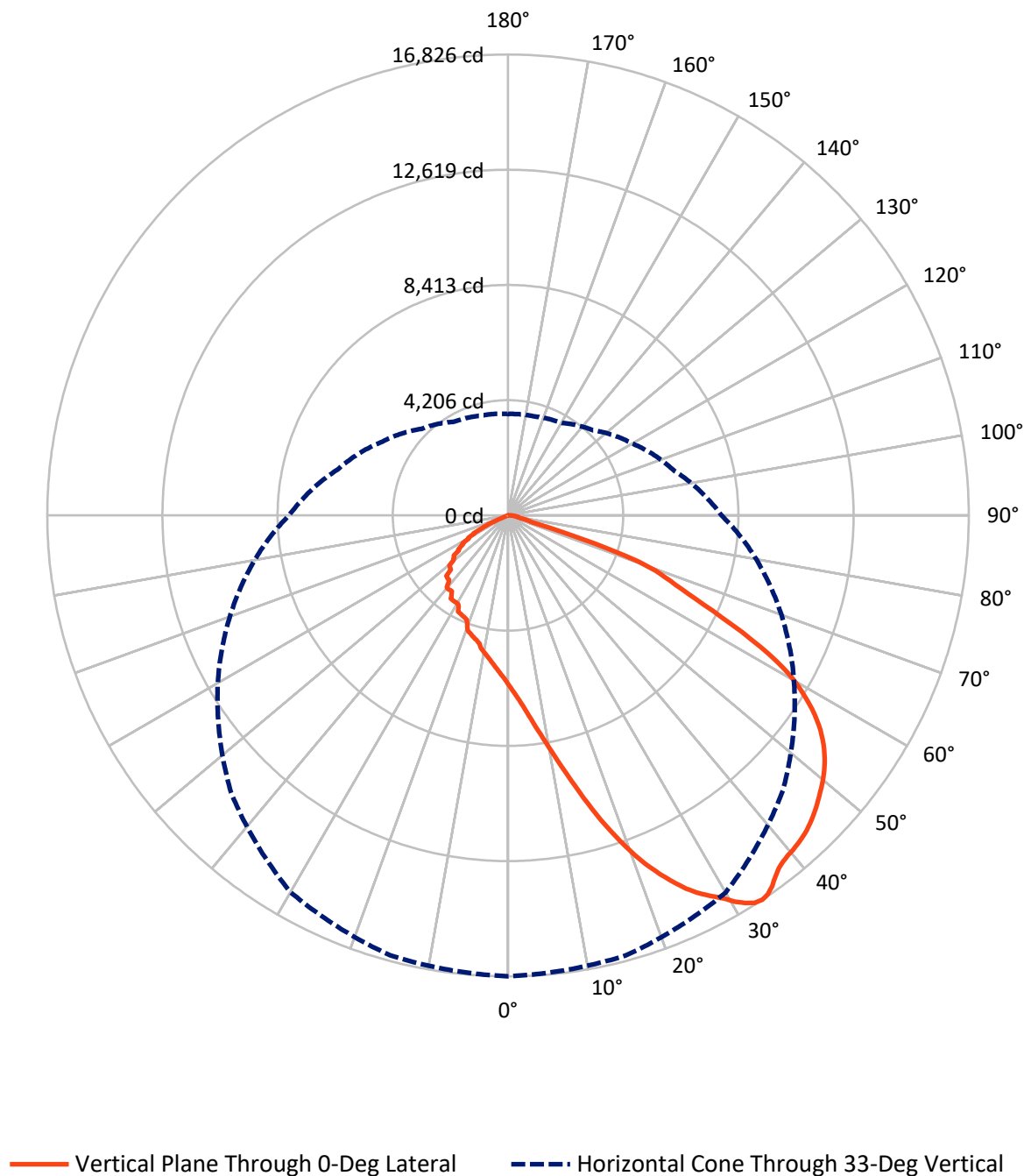


Based on 30 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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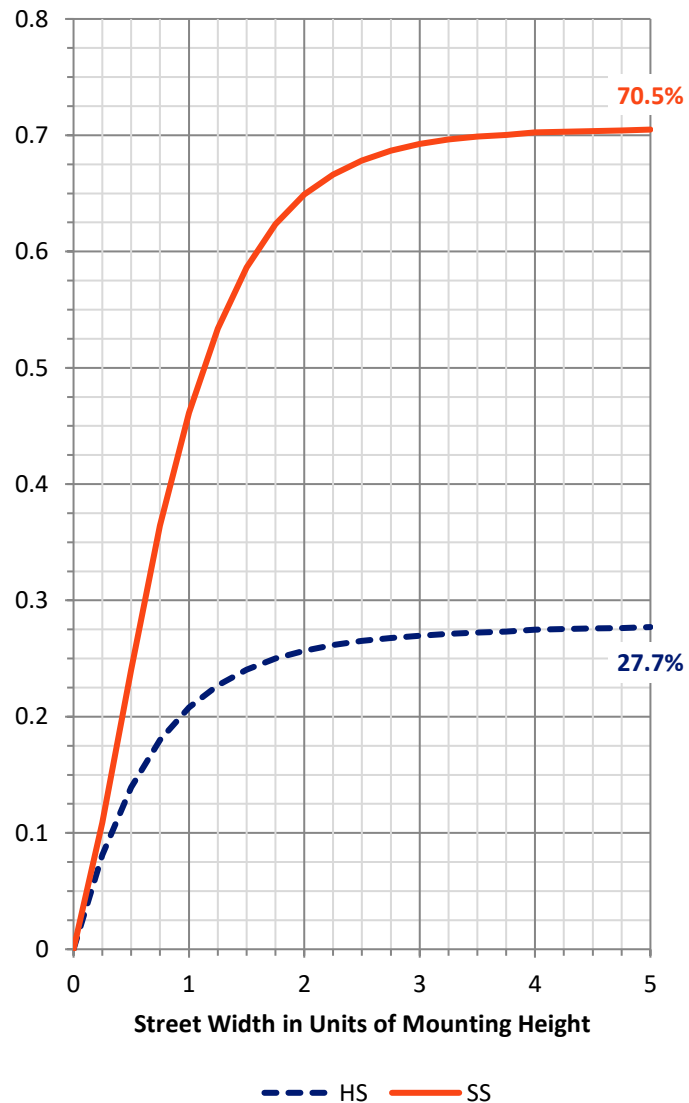
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10702.9	0.0	10702.9
	% Lamp	27.9	0.0	27.9
Street Side	Lumens	27097.8	0.0	27097.8
	% Lamp	70.6	0.0	70.6
Total	Lumens	37800.7	0.0	37800.7
	% Lamp	98.5	0.0	98.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	616.6	1.6	1.6
10°-20°	2076.4	5.5	5.4
20°-30°	3939.1	10.4	10.3
30°-40°	5803.5	15.4	15.1
40°-50°	7073.3	18.7	18.4
50°-60°	7737.3	20.5	20.2
60°-70°	6845.9	18.1	17.8
70°-80°	3391.3	9.0	8.8
80°-90°	317.3	0.8	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°	37800.7	100.0	98.5
0°-180°	37800.7	100.0	98.5

Coefficient of Utilization



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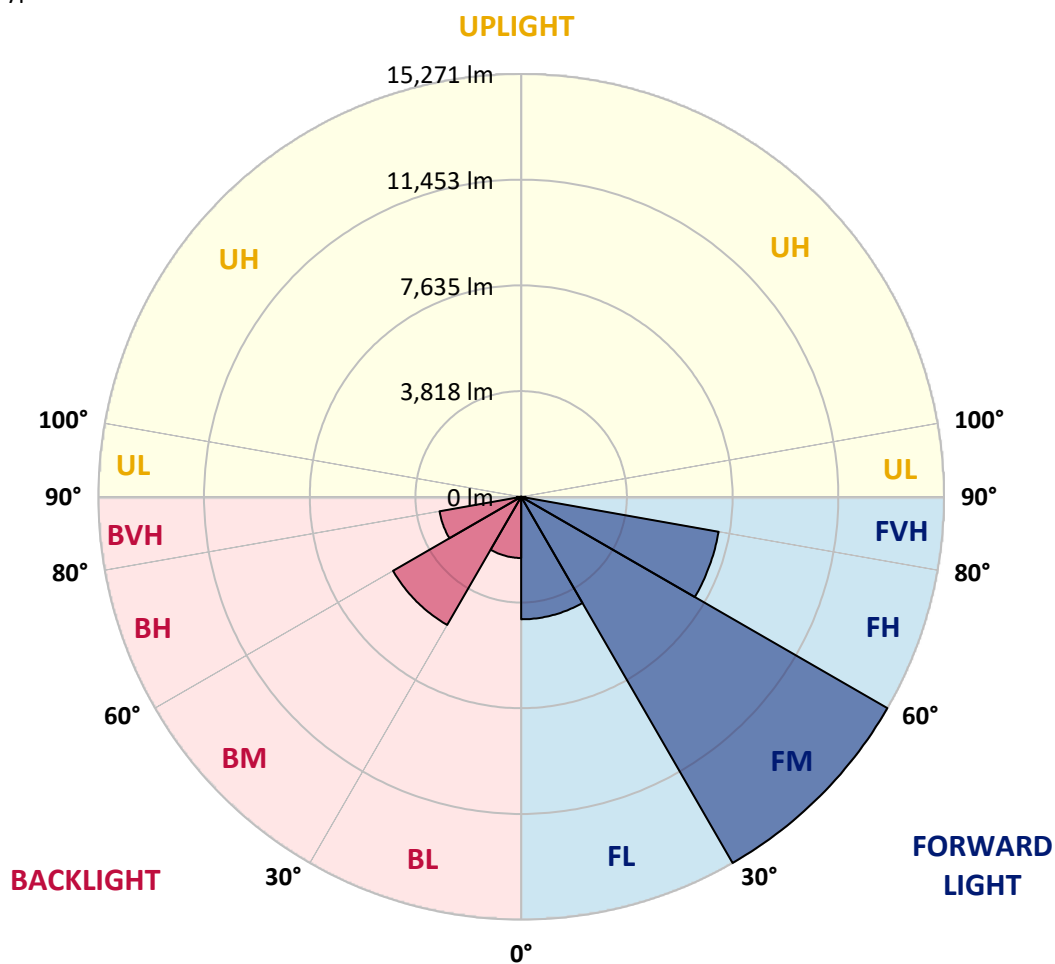
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4424.0	11.5			
FM	(30°-60°)	15270.7	39.8			
FH	(60°-80°)	7242.1	18.9			G3/7500
FVH	(80°-90°)	161.1	0.4			G2/225
BL	(0°-30°)	2208.1	5.8	B3/2500		
BM	(30°-60°)	5343.5	13.9	B4/8500		
BH	(60°-80°)	2995.1	7.8	B4/5000		G4/5000
BVH	(80°-90°)	156.2	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		575.3	1.5			

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°	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1
1°	6382.8	6380.9	6366.0	6343.3	6312.1	6273.2	6213.2	6173.0	6135.3	6105.7	6083.8
2°	6564.8	6554.5	6518.6	6465.3	6396.0	6317.1	6213.7	6133.6	6061.7	6003.2	5960.0
3°	6761.8	6743.9	6685.4	6600.1	6488.1	6365.1	6219.8	6101.3	5996.8	5911.3	5848.3
4°	6983.7	6953.7	6871.5	6748.5	6592.4	6425.4	6234.0	6076.9	5937.2	5824.4	5745.7
5°	7226.3	7189.1	7075.0	6908.6	6709.7	6493.0	6256.0	6060.1	5885.1	5749.6	5650.5
6°	7492.2	7442.4	7300.1	7089.0	6834.8	6565.5	6279.2	6046.2	5839.8	5678.8	5557.8
7°	7777.7	7718.9	7542.7	7279.7	6968.9	6641.9	6306.7	6034.4	5798.1	5608.7	5472.7
8°	8085.2	8012.6	7802.7	7489.7	7112.5	6724.0	6337.8	6026.1	5759.1	5544.8	5395.6
9°	8416.2	8327.6	8083.6	7710.8	7267.1	6813.3	6374.1	6018.6	5720.0	5487.8	5322.3
10°	8768.4	8665.9	8377.2	7948.8	7429.3	6908.1	6411.3	6015.0	5680.8	5435.4	5253.3
11°	9147.6	9030.6	8700.0	8200.0	7602.4	7012.0	6453.4	6015.0	5646.4	5385.3	5189.1
12°	9553.8	9415.1	9039.0	8463.2	7784.0	7119.9	6483.8	6003.0	5617.5	5334.6	5131.8
13°	9989.9	9827.1	9390.0	8743.9	7981.0	7211.7	6512.9	5987.5	5575.5	5287.5	5077.1
14°	10440.0	10263.7	9761.9	9038.1	8185.3	7309.7	6554.1	5979.0	5536.5	5245.9	4997.4
15°	10909.9	10706.0	10148.5	9342.9	8375.8	7416.8	6598.9	5976.5	5499.3	5192.1	4889.9
16°	11389.6	11162.0	10542.5	9655.6	8578.8	7530.7	6658.7	5989.1	5469.3	5142.7	4839.9
17°	11871.2	11616.1	10945.3	9973.1	8785.0	7656.4	6710.8	5992.1	5449.3	5071.0	4801.6
18°	12338.1	12068.2	11340.3	10291.3	8989.3	7789.4	6770.0	6002.7	5423.7	4989.7	4766.8
19°	12798.1	12509.5	11733.3	10594.7	9209.2	7915.5	6839.2	6029.6	5409.2	4946.9	4737.6
20°	13239.4	12932.1	12113.5	10884.2	9423.5	8051.8	6915.6	6058.2	5404.8	4912.9	4706.2
21°	13657.0	13340.8	12476.0	11182.7	9650.3	8193.4	6993.4	6081.2	5404.4	4884.5	4670.0
22°	14040.2	13725.0	12823.7	11456.5	9859.8	8347.4	7057.9	6079.4	5390.0	4867.4	4629.6
23°	14412.5	14098.3	13166.5	11722.5	10080.5	8504.4	7095.2	6086.1	5360.4	4856.0	4594.6
24°	14757.3	14452.9	13495.5	11982.5	10296.2	8646.5	7144.5	6113.7	5326.5	4832.9	4420.3
25°	15088.2	14784.8	13813.6	12247.5	10505.0	8776.7	7215.6	6126.8	5304.1	4812.6	4288.1
26°	15369.0	15085.3	14124.9	12495.7	10720.7	8889.4	7289.5	6135.6	5280.5	4794.5	4259.0
27°	15615.2	15349.3	14420.4	12739.0	10935.5	9017.1	7336.7	6162.2	5283.7	4771.0	4238.8
28°	15840.8	15585.7	14694.2	12973.4	11148.2	9165.9	7405.5	6191.2	5288.8	4733.5	4217.6
29°	16080.1	15820.1	14936.5	13199.0	11342.3	9330.1	7488.4	6217.5	5284.6	4575.7	4188.3
30°	16362.8	16091.9	15185.7	13431.5	11526.5	9472.8	7579.9	6220.2	5261.0	4471.9	4159.0
31°	16594.3	16336.2	15446.8	13683.6	11680.1	9611.9	7666.6	6228.9	5258.0	4432.6	4140.0
32°	16766.7	16528.3	15689.1	13945.6	11852.5	9751.8	7734.4	6256.7	5261.5	4407.1	4116.9
33°	16825.8	16628.8	15894.0	14194.8	12059.4	9908.1	7796.2	6287.2	5245.1	4396.2	3898.1
34°	16769.6	16604.1	16006.2	14419.4	12269.2	10080.5	7876.0	6303.1	5239.9	4392.2	3853.1
35°	16614.0	16477.1	15990.5	14580.0	12467.1	10254.8	7971.2	6328.8	5244.3	4388.3	3834.7
36°	16414.0	16301.8	15882.1	14675.5	12645.4	10420.3	8066.0	6374.1	5239.2	4372.1	3825.0
37°	16235.8	16108.7	15733.4	14677.5	12753.8	10547.4	8133.5	6399.0	5233.9	4355.0	3830.5
38°	16137.3	15980.6	15585.7	14619.4	12813.9	10657.7	8200.5	6420.0	5213.7	4316.0	3833.6
39°	16080.1	15913.7	15483.2	14549.4	12821.7	10747.3	8298.5	6443.0	5076.4	4167.0	3825.4
40°	16037.8	15868.4	15426.1	14497.2	12793.2	10800.5	8386.6	6461.6	5003.6	4175.9	3781.7
41°	15988.5	15831.9	15389.6	14466.7	12786.3	10831.1	8448.4	6493.1	5026.6	4203.9	3631.4
42°	15925.5	15792.5	15356.2	14442.1	12806.0	10858.6	8486.2	6502.4	5057.4	4213.1	3637.3
43°	15845.7	15744.2	15320.7	14432.2	12832.6	10893.1	8506.9	6524.8	5063.0	4211.4	3630.6
44°	15748.2	15685.1	15279.3	14434.2	12867.1	10922.7	8516.4	6534.1	5046.8	4227.6	3595.2

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	15631.0	15610.3	15226.1	14432.2	12907.4	10966.0	8536.7	6571.6	5065.9	4241.7	3570.7
46°	15501.9	15517.7	15164.1	14415.5	12939.0	11024.1	8564.2	6570.0	5091.8	4200.5	3452.8
47°	15366.0	15421.2	15092.2	14391.8	12964.6	11087.2	8574.7	6498.8	5088.6	4026.6	3315.6
48°	15225.1	15315.8	15011.4	14372.1	12991.2	11142.3	8619.4	6496.7	5105.4	4006.3	3314.5
49°	15085.3	15202.5	14916.8	14340.6	13021.7	11184.7	8670.1	6525.7	5027.0	4016.3	3302.9
50°	14936.5	15084.3	14814.4	14287.4	13035.5	11221.1	8716.2	6556.8	4926.9	4012.2	3287.7
51°	14768.1	14947.4	14699.2	14224.4	13053.2	11253.6	8755.3	6559.5	4930.4	3990.8	3106.7
52°	14577.0	14789.8	14571.1	14153.5	13074.9	11270.4	8769.3	6576.0	4908.1	3899.7	3066.5
53°	14365.2	14610.5	14433.2	14078.6	13081.8	11275.3	8714.2	6605.2	4939.1	3783.4	3079.1
54°	14122.9	14392.8	14282.5	13991.9	13067.0	11284.2	8653.2	6574.5	4954.2	3790.2	3087.1
55°	13847.1	14139.7	14121.9	13887.5	13030.6	11275.3	8632.1	6568.4	4954.0	3785.5	2974.9
56°	13527.0	13845.2	13936.8	13768.3	12981.3	11248.7	8619.9	6553.6	4931.4	3759.7	2890.1
57°	13166.5	13510.3	13722.0	13638.3	12924.2	11223.1	8601.7	6540.2	4864.2	3585.0	2891.9
58°	12760.7	13132.0	13470.9	13497.5	12851.3	11208.3	8545.7	6478.7	4830.4	3617.0	2825.5
59°	12317.4	12715.4	13200.0	13335.9	12771.5	11182.7	8498.4	6416.0	4832.3	3663.1	2687.8
60°	11807.2	12256.4	12885.8	13151.7	12671.0	11142.3	8441.3	6393.3	4829.7	3700.8	2694.3
61°	11166.9	11719.5	12539.0	12932.1	12543.0	11074.4	8373.5	6335.1	4809.3	3577.3	2560.5
62°	10406.5	11087.2	12142.1	12677.0	12398.2	10981.8	8262.3	6277.9	4752.4	3564.5	2533.3
63°	9543.3	10366.1	11695.9	12382.4	12228.8	10837.0	8137.4	6201.1	4759.0	3578.4	2478.0
64°	8662.6	9596.8	11186.6	12059.4	12029.8	10643.9	7984.2	6101.6	4728.8	3508.8	2374.4
65°	7861.1	8836.1	10630.1	11701.8	11808.2	10414.4	7836.6	6038.6	4621.1	3516.5	2288.9
66°	7166.4	8094.9	10035.2	11289.1	11550.1	10208.5	7645.2	5933.7	4609.9	3456.2	2250.4
67°	6620.1	7421.2	9430.6	10838.9	11256.6	9976.1	7424.1	5805.6	4649.9	3448.0	2125.4
68°	6181.1	6835.2	8824.4	10330.7	10916.8	9695.5	7098.4	5646.1	4689.8	3454.7	2034.4
69°	5744.2	6331.1	8209.2	9781.3	10510.9	9358.8	6775.4	5452.1	4646.7	3441.3	1943.4
70°	5063.9	5811.6	7601.9	9211.5	10050.9	8928.2	6277.8	5172.9	4540.5	3455.8	1853.4
71°	3983.9	5136.0	7009.9	8631.4	9550.9	8371.8	5620.7	4790.4	4457.7	3448.4	1821.6
72°	2708.1	4201.0	6413.3	8053.6	9010.9	7752.2	4976.8	4386.7	4367.2	3525.1	1809.1
73°	1582.9	3067.2	5766.5	7466.2	8423.9	7001.8	4374.2	4030.3	4186.3	3492.6	1753.5
74°	893.9	1962.5	5057.7	6867.6	7760.9	6186.6	3818.5	3734.4	3999.0	3483.3	1761.0
75°	745.6	1153.6	4267.4	6211.9	7030.5	5303.8	3156.0	3426.0	3830.1	3453.9	1724.9
76°	616.2	935.7	3387.4	5457.3	6191.7	4364.8	2219.5	2984.0	3688.0	3370.5	1638.5
77°	486.8	721.5	2554.5	4517.3	5248.1	3237.9	1285.5	2232.5	3556.4	3197.5	1508.0
78°	434.8	507.3	1914.4	3361.9	4186.8	2063.3	594.3	1481.1	3447.8	2917.1	1335.5
79°	400.0	447.5	1400.2	2141.7	3121.3	1080.6	296.6	732.8	3126.2	2439.3	1157.5
80°	368.6	401.7	1008.8	1159.6	2091.5	815.3	255.3	545.8	2318.2	1961.3	1017.2
81°	339.0	361.2	807.2	903.1	1183.1	551.9	214.0	358.7	1510.3	1486.5	1039.2
82°	310.7	326.4	608.1	670.9	877.5	288.4	172.8	174.2	708.1	1217.6	976.2
83°	282.2	296.2	408.9	438.7	579.9	238.8	147.7	138.3	532.0	1038.8	781.6
84°	252.5	264.5	345.4	385.1	282.3	203.7	123.2	108.5	355.9	822.0	537.8
85°	222.8	232.7	275.3	335.8	222.2	168.3	99.5	84.2	180.4	585.2	355.3
86°	192.1	201.7	216.2	286.2	177.8	132.0	76.4	63.7	151.4	469.0	252.4
87°	160.3	172.2	178.3	230.5	139.7	99.4	54.5	46.8	118.5	352.8	149.6
88°	131.4	142.6	143.0	164.9	106.5	74.7	38.5	33.4	77.4	236.6	91.1
89°	108.4	112.9	108.1	97.1	81.8	50.2	22.4	20.0	53.4	120.4	62.3

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CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081
CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1	6222.1
1°	6072.0	6070.0	6080.3	6101.0	6128.3	6164.6	6203.0	6226.3	6263.6	6300.2	6332.8
2°	5936.5	5930.6	5946.7	5982.4	6033.2	6099.6	6174.1	6239.7	6316.7	6394.2	6462.6
3°	5812.0	5802.7	5822.5	5870.5	5943.6	6039.1	6150.1	6256.1	6375.2	6494.3	6603.6
4°	5698.0	5685.2	5710.4	5768.1	5861.0	5984.1	6129.1	6279.2	6441.3	6604.4	6755.3
5°	5590.4	5574.4	5603.4	5673.5	5784.7	5933.6	6112.3	6303.6	6508.9	6723.9	6922.8
6°	5487.6	5469.1	5500.3	5579.5	5711.2	5885.8	6099.2	6332.6	6582.2	6848.5	7101.8
7°	5391.4	5370.8	5404.8	5493.8	5637.5	5841.4	6088.1	6364.2	6661.9	6984.2	7291.9
8°	5303.4	5277.5	5315.6	5416.9	5572.5	5797.6	6078.5	6396.7	6746.2	7127.7	7494.8
9°	5217.0	5185.8	5228.4	5341.0	5514.6	5753.9	6069.3	6432.8	6834.3	7279.5	7714.0
10°	5135.3	5101.7	5147.2	5267.2	5458.9	5712.4	6064.7	6472.2	6928.5	7439.4	7946.2
11°	5063.3	5026.2	5070.8	5199.9	5404.6	5677.3	6063.7	6519.9	7029.6	7610.6	8194.7
12°	4998.9	4944.9	5000.8	5137.7	5353.6	5649.7	6048.9	6550.4	7137.2	7790.6	8456.0
13°	4878.7	4797.0	4881.7	5078.5	5302.9	5606.0	6040.8	6589.0	7228.8	7985.4	8735.4
14°	4783.8	4734.5	4784.6	4999.6	5258.9	5569.0	6032.5	6623.9	7327.7	8182.3	9025.4
15°	4733.9	4680.5	4731.3	4884.1	5204.8	5535.3	6032.9	6672.2	7430.4	8371.4	9334.8
16°	4686.6	4630.7	4682.6	4836.1	5158.3	5511.0	6037.9	6732.4	7544.9	8572.6	9650.5
17°	4645.3	4584.2	4641.2	4797.0	5098.6	5485.5	6047.7	6786.5	7678.4	8779.7	9979.0
18°	4600.5	4532.0	4595.6	4762.8	5019.6	5466.9	6064.6	6848.4	7797.4	8998.8	10294.2
19°	4555.6	4482.5	4552.1	4736.1	4968.4	5462.1	6093.5	6926.1	7932.2	9219.7	10602.5
20°	4510.4	4428.0	4510.8	4705.1	4937.0	5464.7	6123.7	7007.5	8067.8	9452.7	10910.8
21°	4459.3	4240.5	4465.0	4668.0	4916.6	5464.9	6144.6	7080.4	8221.0	9679.7	11203.4
22°	4229.5	4102.9	4248.5	4632.9	4904.4	5453.3	6150.8	7144.9	8378.6	9908.1	11483.1
23°	4140.2	4064.7	4158.9	4605.6	4893.3	5433.6	6171.1	7192.1	8531.6	10137.6	11761.9
24°	4107.4	4038.1	4130.0	4432.4	4872.4	5414.6	6208.0	7252.9	8673.7	10363.2	12036.7
25°	4086.5	4016.0	4110.0	4316.1	4852.4	5398.5	6223.4	7335.9	8799.7	10590.7	12291.8
26°	4066.9	3992.8	4092.8	4297.9	4840.5	5372.5	6245.2	7407.6	8930.1	10815.3	12551.9
27°	4045.6	3975.8	4074.4	4282.5	4813.8	5383.7	6280.5	7470.1	9075.2	11038.9	12803.0
28°	4029.9	3955.2	4060.2	4259.9	4781.6	5391.9	6315.6	7549.7	9242.1	11247.7	13057.2
29°	4011.5	3781.4	4043.5	4232.9	4629.3	5377.4	6338.1	7644.3	9410.1	11451.6	13303.4
30°	3812.4	3710.1	3841.4	4210.0	4528.8	5357.4	6343.9	7741.2	9553.4	11640.7	13553.6
31°	3755.1	3702.4	3786.0	4189.9	4489.0	5357.1	6369.2	7830.1	9720.0	11828.9	13820.5
32°	3744.9	3702.7	3776.1	4166.1	4471.2	5361.7	6407.6	7902.7	9900.2	12031.8	14064.8
33°	3738.5	3701.1	3770.8	3947.3	4466.0	5343.2	6449.3	7995.0	10096.2	12235.7	14303.2
34°	3731.1	3693.5	3762.4	3903.1	4463.2	5341.6	6467.0	8104.2	10271.6	12441.5	14503.1
35°	3718.1	3686.1	3749.4	3884.3	4459.1	5341.9	6505.9	8211.8	10426.2	12634.6	14636.1
36°	3703.6	3546.0	3733.1	3877.4	4440.4	5335.7	6552.1	8315.3	10561.2	12764.6	14683.4
37°	3557.4	3446.0	3568.1	3883.5	4425.2	5327.0	6582.1	8385.8	10672.5	12835.5	14666.6
38°	3439.5	3448.3	3469.2	3884.1	4379.2	5309.0	6607.6	8461.3	10758.2	12853.3	14598.7
39°	3431.4	3458.1	3460.1	3883.1	4235.5	5177.3	6614.3	8541.9	10817.3	12837.5	14520.9
40°	3429.5	3462.5	3453.6	3829.2	4259.3	5109.9	6622.1	8594.8	10852.7	12828.6	14466.7
41°	3411.5	3446.5	3432.6	3693.7	4289.2	5130.6	6629.3	8632.6	10870.5	12837.5	14435.2
42°	3374.1	3256.1	3395.2	3699.0	4287.0	5157.2	6638.7	8666.6	10902.0	12856.2	14429.3
43°	3186.5	3191.1	3211.4	3684.2	4291.5	5140.6	6659.4	8695.0	10935.5	12882.8	14442.1
44°	3112.3	3186.2	3145.3	3649.3	4305.1	5130.6	6679.9	8715.0	10981.8	12913.4	14448.0

REPORT NUMBER: P1445081

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3106.1	3175.4	3140.1	3625.9	4318.9	5150.4	6715.6	8748.2	11035.9	12942.9	14444.0
46°	3095.3	3155.5	3126.2	3481.7	4256.0	5183.7	6690.1	8770.3	11092.1	12981.3	14440.1
47°	3066.7	2882.5	3102.8	3383.8	4098.6	5188.7	6625.6	8790.4	11139.4	13024.7	14427.3
48°	2829.6	2856.5	2868.6	3383.4	4086.4	5207.2	6636.8	8836.7	11179.8	13059.1	14402.7
49°	2815.9	2835.6	2863.7	3365.4	4097.4	5106.6	6668.8	8877.9	11222.1	13085.7	14358.3
50°	2813.7	2815.1	2864.4	3356.3	4087.2	5041.6	6694.5	8912.8	11259.5	13112.3	14301.2
51°	2810.6	2591.4	2864.9	3165.7	4069.9	5047.1	6698.1	8940.2	11279.2	13126.1	14242.1
52°	2639.6	2511.9	2682.5	3140.0	3933.2	5036.5	6713.7	8937.7	11286.1	13128.1	14179.1
53°	2586.3	2495.8	2637.0	3155.3	3870.8	5070.4	6732.9	8863.5	11294.0	13114.3	14102.2
54°	2570.9	2463.2	2620.9	3169.3	3880.4	5074.0	6707.5	8795.9	11282.2	13079.8	14013.6
55°	2537.4	2201.5	2574.3	3029.2	3879.8	5075.2	6701.5	8770.9	11251.7	13032.5	13920.0
56°	2324.4	2200.0	2374.6	2973.7	3853.0	5068.1	6678.5	8754.0	11216.2	12982.3	13808.7
57°	2328.6	2071.9	2381.9	2974.9	3699.5	4980.6	6662.1	8729.0	11190.6	12917.3	13672.8
58°	2183.1	1945.6	2223.0	2878.4	3741.1	4968.3	6570.8	8666.3	11158.1	12837.5	13509.3
59°	2098.0	1950.8	2154.1	2784.7	3792.2	4968.8	6534.0	8606.3	11114.7	12743.9	13321.1
60°	2025.2	1668.1	2084.0	2801.4	3826.0	4961.7	6480.4	8529.0	11047.8	12627.7	13114.3
61°	1952.3	1671.7	2013.8	2654.8	3707.2	4925.8	6413.2	8464.7	10962.1	12496.7	12889.7
62°	1874.5	1417.1	1940.4	2642.8	3701.8	4866.9	6337.9	8357.1	10820.2	12337.1	12639.5
63°	1630.7	1407.2	1694.0	2568.6	3692.8	4862.7	6249.3	8227.6	10637.0	12150.0	12352.9
64°	1614.9	1099.5	1660.5	2489.6	3647.4	4815.4	6153.1	8065.5	10413.4	11936.2	12022.9
65°	1369.8	974.1	1423.6	2390.6	3661.7	4695.8	6056.7	7903.8	10203.6	11692.9	11645.7
66°	1190.4	788.4	1226.7	2374.4	3601.8	4713.5	5938.4	7668.5	9968.2	11418.1	11232.0
67°	1083.1	525.0	1071.9	2249.8	3592.1	4743.1	5786.3	7413.3	9694.3	11109.8	10772.9
68°	856.7	261.7	884.2	2148.4	3582.1	4760.0	5595.6	7033.0	9380.5	10752.3	10292.3
69°	569.7	0.6	595.0	2047.0	3569.2	4660.4	5372.3	6616.8	8989.5	10348.4	9773.2
70°	551.8	0.5	572.5	1947.8	3586.4	4529.7	5029.7	6010.1	8515.0	9887.4	9208.9
71°	550.7	0.5	552.4	1919.6	3569.4	4407.3	4589.1	5305.2	7899.0	9381.8	8601.6
72°	524.0	0.5	511.2	1895.6	3638.3	4281.6	4176.6	4657.6	7236.0	8834.9	8004.8
73°	471.1	0.5	437.0	1821.9	3579.9	4081.3	3862.9	4074.1	6432.0	8208.8	7393.8
74°	405.7	0.5	346.5	1794.0	3497.4	3897.5	3585.4	3457.4	5575.2	7488.6	6772.2
75°	325.4	0.5	286.3	1720.5	3413.0	3756.9	3161.3	2625.4	4682.1	6674.3	6086.7
76°	244.6	0.5	264.7	1609.7	3232.1	3623.9	2395.7	1624.4	3694.3	5787.8	5329.0
77°	186.0	0.6	294.7	1464.8	2966.6	3484.7	1630.1	783.1	2549.9	4808.6	4364.6
78°	201.0	0.6	336.8	1294.3	2627.2	3189.2	872.9	514.1	1446.5	3752.0	3129.5
79°	277.8	0.7	271.6	1153.8	2219.6	2408.8	365.0	259.8	1063.2	2723.5	1897.8
80°	291.5	0.8	206.3	1079.0	1812.0	1628.5	273.0	220.1	688.1	1761.1	967.8
81°	233.7	0.9	141.1	1009.4	1409.8	848.4	182.5	191.7	313.0	961.9	776.4
82°	175.9	1.1	74.9	861.0	1177.8	626.6	146.5	165.5	260.1	716.2	605.4
83°	118.3	1.2	39.5	556.0	912.1	404.9	118.9	140.7	223.9	489.0	434.3
84°	68.8	1.4	31.4	401.0	597.8	184.4	96.4	116.4	190.4	261.7	381.5
85°	41.7	1.6	23.3	245.9	427.2	152.7	76.3	92.8	156.5	206.0	332.0
86°	32.1	1.8	15.4	94.9	256.7	122.4	58.0	69.7	122.1	163.7	281.1
87°	22.6	2.1	13.0	55.5	87.5	90.6	42.3	46.5	91.6	127.8	223.3
88°	13.1	2.3	10.7	38.5	60.1	62.3	29.9	27.3	66.3	96.5	152.2
89°	8.2	2.6	7.3	21.5	32.6	33.9	17.5	11.9	41.2	75.1	85.9

REPORT NUMBER: P1445081

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081
CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6222.1	6222.1	6222.1
1°	6359.5	6374.8	6382.8
2°	6517.7	6552.3	6564.8
3°	6689.2	6744.5	6761.8
4°	6878.1	6958.4	6983.7
5°	7085.2	7191.8	7226.3
6°	7308.2	7448.2	7492.2
7°	7551.6	7721.0	7777.7
8°	7805.8	8014.5	8085.2
9°	8084.9	8329.8	8416.2
10°	8377.6	8668.3	8768.4
11°	8692.8	9031.1	9147.6
12°	9026.3	9413.1	9553.8
13°	9381.2	9825.2	9989.9
14°	9750.9	10256.8	10440.0
15°	10139.6	10702.0	10909.9
16°	10538.5	11161.0	11389.6
17°	10955.2	11627.9	11871.2
18°	11360.0	12089.9	12338.1
19°	11756.0	12530.2	12798.1
20°	12142.1	12954.7	13239.4
21°	12515.4	13359.6	13657.0
22°	12864.1	13734.8	14040.2
23°	13202.0	14106.2	14412.5
24°	13527.0	14466.7	14757.3
25°	13850.1	14804.6	15088.2
26°	14170.2	15118.8	15369.0
27°	14471.6	15386.7	15615.2
28°	14737.6	15619.1	15840.8
29°	14983.8	15855.5	16080.1
30°	15234.0	16121.5	16362.8
31°	15495.0	16365.8	16594.3
32°	15726.5	16542.1	16766.7
33°	15882.1	16624.8	16825.8
34°	15952.1	16604.1	16769.6
35°	15924.5	16477.1	16614.0
36°	15835.8	16293.9	16414.0
37°	15693.0	16104.8	16235.8
38°	15559.1	15982.6	16137.3
39°	15471.4	15913.7	16080.1
40°	15416.2	15875.2	16037.8
41°	15380.8	15842.7	15988.5
42°	15342.4	15805.3	15925.5
43°	15303.9	15763.0	15845.7
44°	15265.5	15706.8	15748.2

REPORT NUMBER: P1445081

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	15219.2	15630.0	15631.0
46°	15167.0	15534.4	15501.9
47°	15108.9	15430.0	15366.0
48°	15038.0	15316.8	15225.1
49°	14946.4	15202.5	15085.3
50°	14836.1	15084.3	14936.5
51°	14715.9	14953.3	14768.1
52°	14581.0	14801.6	14577.0
53°	14441.1	14617.4	14365.2
54°	14295.3	14399.7	14122.9
55°	14140.7	14142.6	13847.1
56°	13959.4	13850.1	13527.0
57°	13746.7	13524.0	13166.5
58°	13489.6	13137.9	12760.7
59°	13205.9	12719.3	12317.4
60°	12887.7	12265.2	11807.2
61°	12525.3	11750.1	11166.9
62°	12124.4	11126.6	10406.5
63°	11681.1	10406.5	9543.3
64°	11201.4	9622.0	8662.6
65°	10659.7	8845.6	7861.1
66°	10074.6	8122.6	7166.4
67°	9470.2	7473.7	6620.1
68°	8846.8	6884.5	6181.1
69°	8256.2	6358.8	5744.2
70°	7692.8	5839.5	5063.9
71°	7108.5	5198.4	3983.9
72°	6471.2	4304.2	2708.1
73°	5832.3	3176.4	1582.9
74°	5159.5	2105.3	893.9
75°	4308.0	1281.1	745.6
76°	3392.3	1028.4	616.2
77°	2594.4	777.9	486.8
78°	1960.2	527.3	434.8
79°	1447.9	456.4	400.0
80°	977.4	407.6	368.6
81°	787.0	365.9	339.0
82°	598.8	331.0	310.7
83°	410.7	303.0	282.2
84°	344.0	270.1	252.5
85°	272.1	235.0	222.8
86°	217.4	202.9	192.1
87°	177.7	172.2	160.3
88°	140.8	142.3	131.4
89°	104.7	112.4	108.4

REPORT NUMBER: P1445081

CATALOG NUMBER: XAS300-SFPM (4000K-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

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CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445081

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)