

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: P1445107

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

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445107
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 (5000K-300W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 37138.5 lumens
Efficiency: 96.0%
Efficacy: 126.7 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

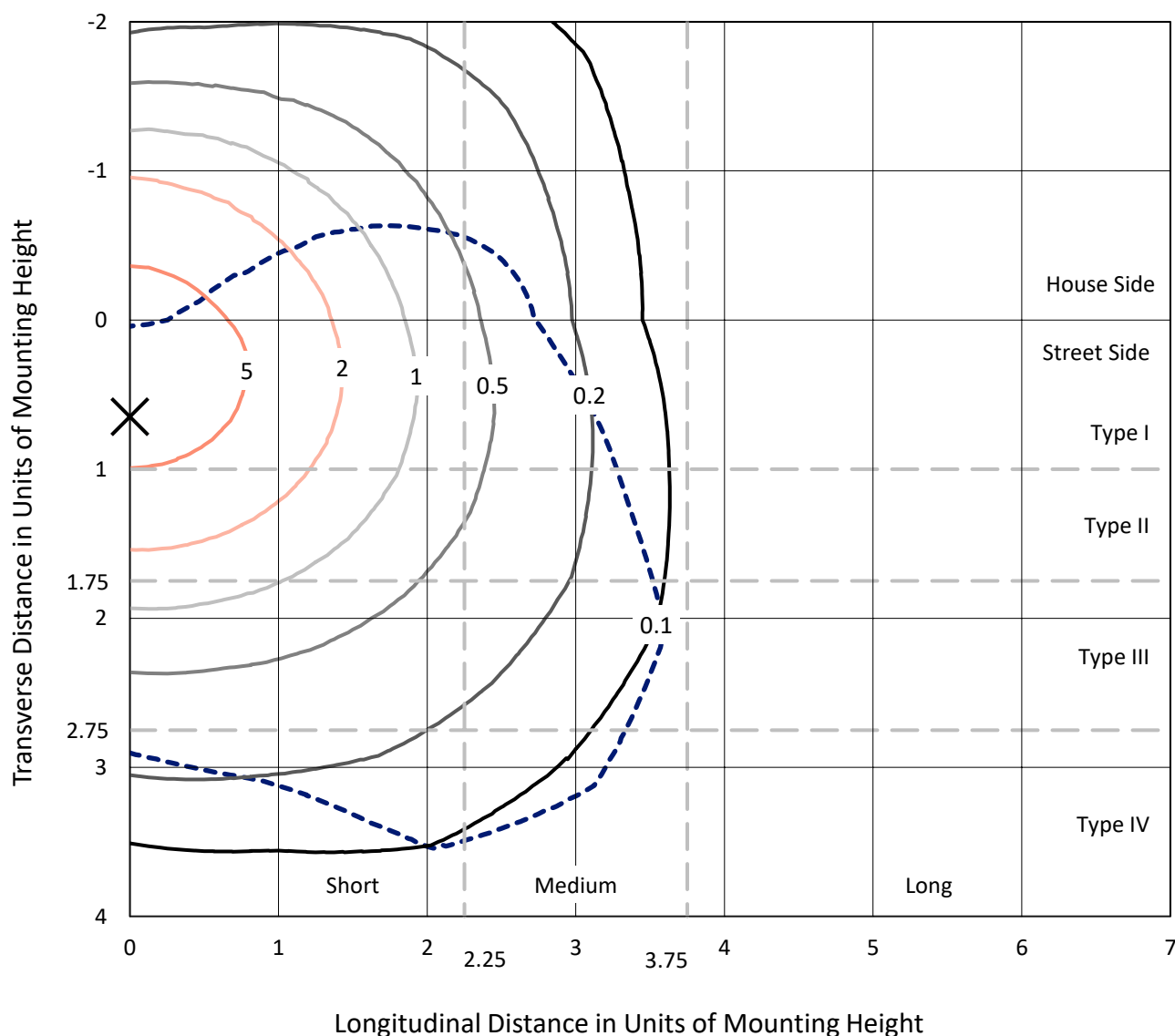
Input Watts (W): 293.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

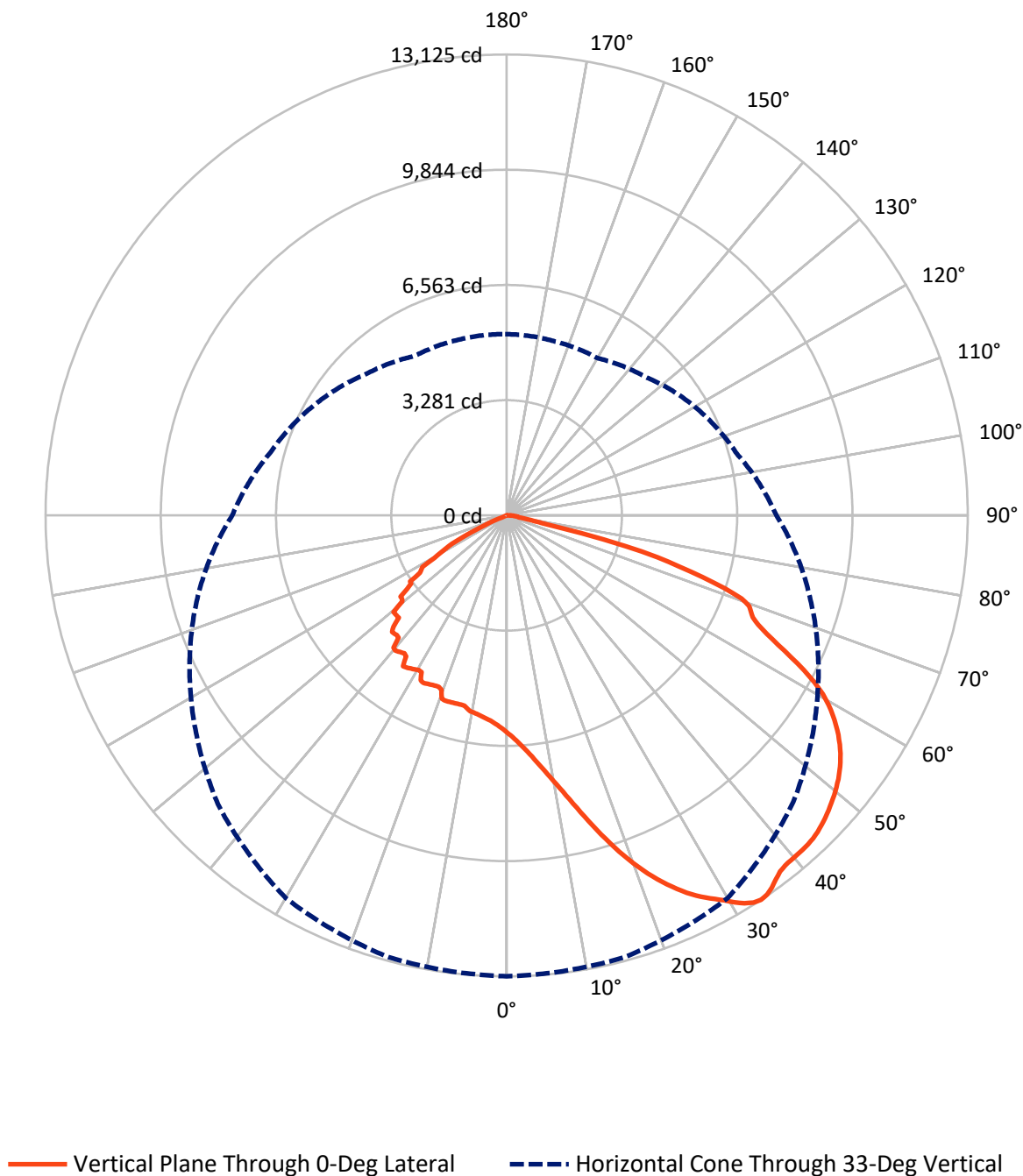


Based on 30 foot mounting height. Maximum calculated value = 9.9 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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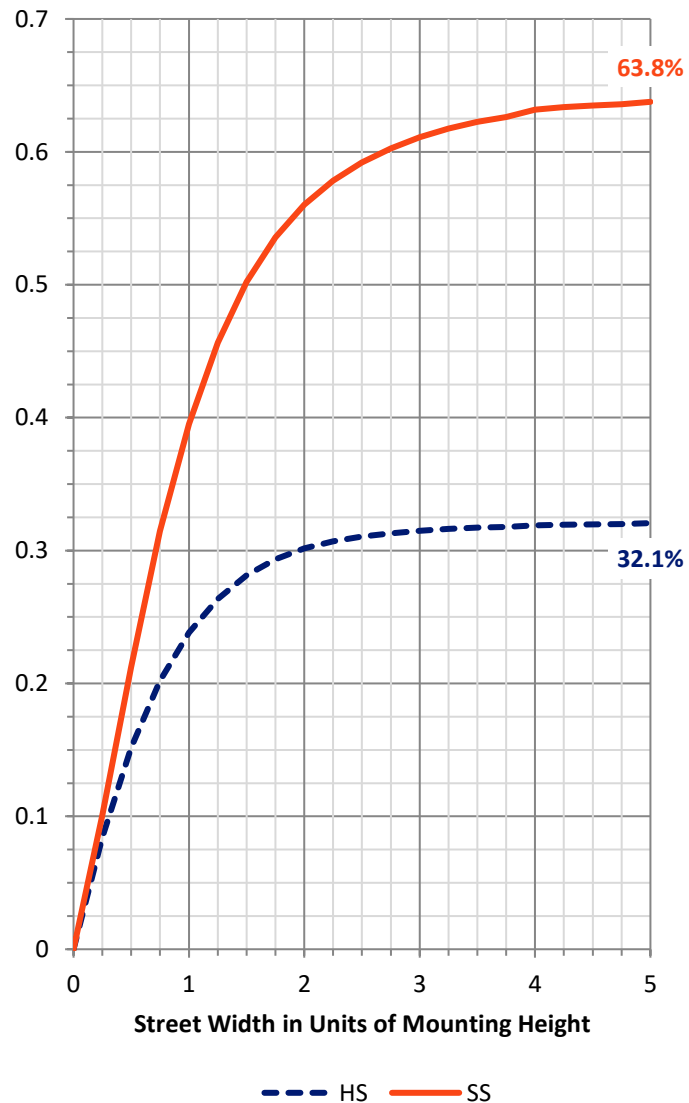
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12471.1	0.0	12471.1
	% Lamp	32.2	0.0	32.2
Street Side	Lumens	24667.4	0.0	24667.4
	% Lamp	63.7	0.0	63.7
Total	Lumens	37138.5	0.0	37138.5
	% Lamp	96.0	0.0	96.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	610.8	1.6	1.6
10°-20°	2001.9	5.4	5.2
20°-30°	3688.7	9.9	9.5
30°-40°	5379.4	14.5	13.9
40°-50°	6639.5	17.9	17.2
50°-60°	7415.5	20.0	19.2
60°-70°	6945.7	18.7	17.9
70°-80°	4119.0	11.1	10.6
80°-90°	338.2	0.9	0.9
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	37138.5	100.0	96.0
0°-180°	37138.5	100.0	96.0

Coefficient of Utilization



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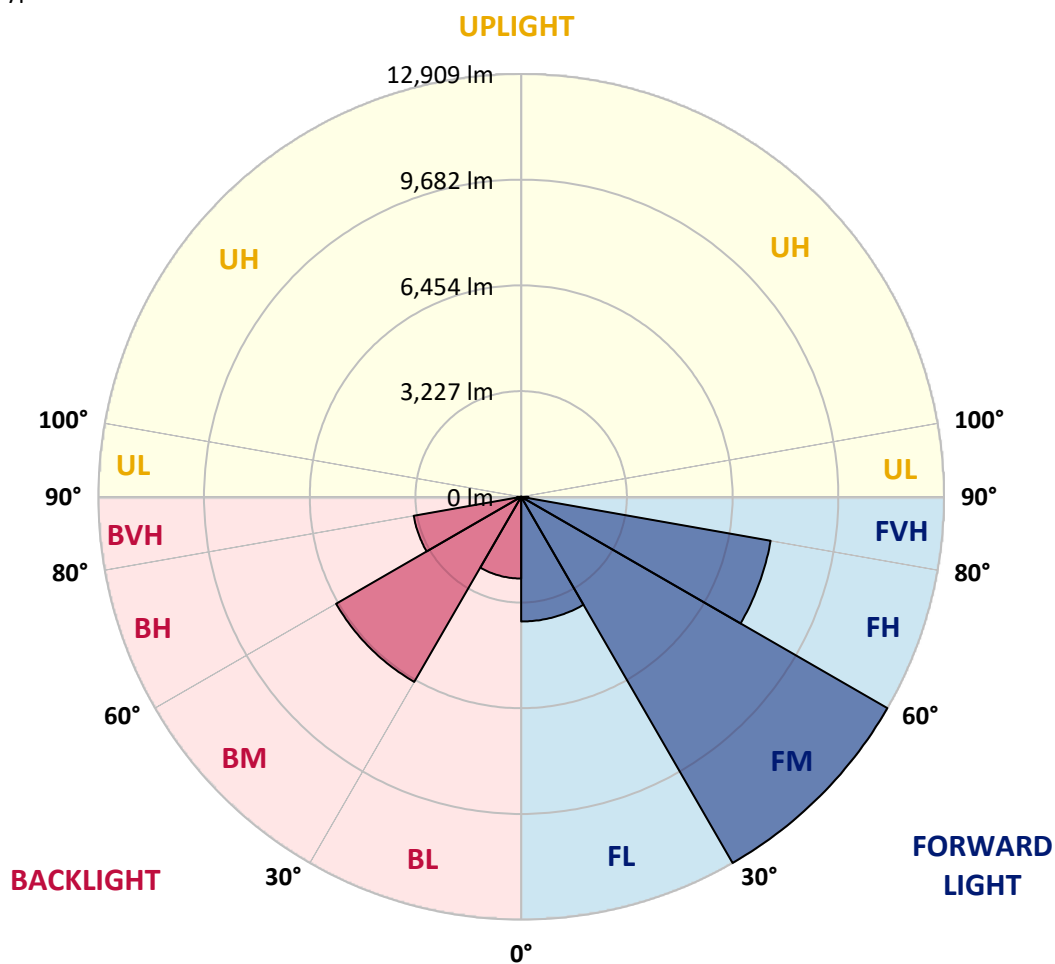
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3806.3	9.8			
FM	(30°-60°)	12908.9	33.4			
FH	(60°-80°)	7732.9	20.0			G4/12000
FVH	(80°-90°)	219.4	0.6			G2/225
BL	(0°-30°)	2495.1	6.4	B3/2500		
BM	(30°-60°)	6525.4	16.9	B4/8500		
BH	(60°-80°)	3331.8	8.6	B4/5000		G4/5000
BVH	(80°-90°)	118.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		1556.5	4.0			

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°	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8
1°	6309.4	6309.9	6302.2	6290.1	6273.4	6250.3	6205.6	6182.2	6160.5	6144.4	6131.8
2°	6419.6	6415.4	6394.2	6362.6	6324.4	6277.6	6208.3	6161.7	6119.8	6085.9	6061.0
3°	6540.1	6531.1	6497.0	6446.6	6382.2	6310.1	6215.9	6146.6	6085.6	6035.0	6000.9
4°	6676.3	6660.5	6612.3	6540.5	6449.3	6351.1	6230.3	6137.8	6055.6	5991.3	5947.6
5°	6825.8	6803.6	6737.2	6641.6	6525.0	6398.0	6251.5	6135.0	6033.7	5955.2	5901.8
6°	6987.7	6958.6	6876.7	6755.4	6607.6	6448.0	6274.3	6136.3	6016.1	5923.6	5858.8
7°	7165.8	7131.6	7028.2	6879.1	6695.4	6501.1	6298.9	6138.6	6002.5	5896.1	5826.0
8°	7353.7	7311.9	7191.9	7011.3	6790.2	6559.8	6327.8	6144.2	5991.2	5875.1	5801.1
9°	7561.6	7509.5	7368.7	7152.9	6892.5	6623.7	6360.5	6151.6	5980.9	5862.0	5779.7
10°	7785.9	7725.0	7556.7	7304.3	7001.3	6691.2	6393.8	6160.6	5972.0	5851.5	5762.2
11°	8024.3	7953.7	7761.5	7468.7	7116.4	6764.0	6432.1	6173.1	5969.0	5843.3	5747.5
12°	8280.8	8199.0	7976.7	7641.0	7237.2	6840.7	6458.1	6174.8	5972.2	5836.9	5739.4
13°	8563.0	8464.3	8206.3	7825.4	7367.0	6905.0	6487.4	6178.0	5960.7	5832.9	5731.1
14°	8857.6	8742.9	8444.9	8016.6	7504.5	6974.9	6522.5	6182.7	5953.9	5833.7	5669.3
15°	9162.5	9036.1	8697.2	8212.4	7631.5	7049.4	6562.3	6196.6	5947.7	5821.0	5630.9
16°	9474.4	9327.3	8955.5	8418.8	7768.2	7132.0	6616.7	6221.8	5950.0	5800.7	5631.9
17°	9784.0	9627.6	9216.2	8629.8	7908.6	7223.7	6665.3	6240.0	5958.2	5753.3	5639.5
18°	10090.2	9920.3	9478.4	8844.8	8046.7	7322.9	6720.3	6266.5	5965.3	5725.1	5650.0
19°	10390.6	10207.3	9738.9	9055.0	8197.1	7417.2	6786.0	6306.3	5981.4	5724.5	5665.5
20°	10681.4	10489.5	9991.3	9244.6	8346.8	7517.7	6856.8	6349.9	6007.9	5729.3	5678.6
21°	10954.0	10759.2	10236.1	9449.9	8506.6	7628.8	6926.9	6385.0	6033.0	5738.2	5680.2
22°	11212.2	11014.5	10471.2	9635.3	8654.2	7747.2	6985.7	6398.2	6040.0	5761.1	5679.1
23°	11456.9	11263.0	10702.5	9817.6	8809.7	7868.1	7021.9	6421.9	6016.6	5783.0	5632.3
24°	11690.2	11497.2	10926.2	9999.0	8963.1	7977.0	7069.8	6465.0	6023.4	5793.6	5444.5
25°	11908.0	11726.6	11144.0	10181.4	9115.1	8075.7	7136.3	6490.2	6029.5	5805.1	5379.1
26°	12100.0	11927.2	11356.1	10355.1	9270.3	8160.1	7201.8	6516.9	6037.0	5824.0	5388.9
27°	12267.9	12109.6	11557.7	10525.0	9424.7	8256.8	7249.7	6561.4	6070.4	5826.5	5404.5
28°	12430.1	12273.7	11747.7	10692.0	9576.0	8370.8	7314.9	6606.7	6103.5	5715.9	5414.7
29°	12593.3	12439.7	11919.5	10848.4	9714.0	8493.3	7397.5	6643.5	6116.9	5610.6	5422.8
30°	12791.0	12628.8	12090.4	11009.7	9845.5	8599.4	7482.0	6665.5	6124.5	5560.6	5433.3
31°	12953.2	12802.5	12268.9	11185.3	9951.0	8703.3	7557.8	6695.9	6151.1	5550.0	5449.1
32°	13076.1	12939.8	12435.9	11368.6	10073.9	8811.7	7619.4	6741.2	6181.6	5556.3	5320.3
33°	13125.0	13019.5	12580.8	11541.4	10219.8	8932.2	7680.5	6783.4	6186.2	5578.1	5171.7
34°	13098.2	13010.8	12665.3	11699.8	10373.3	9060.6	7757.3	6809.0	6206.1	5602.8	5160.5
35°	13008.9	12936.9	12664.3	11817.8	10519.2	9191.4	7845.0	6847.3	6223.8	5620.2	5168.0
36°	12888.9	12829.4	12601.0	11892.7	10648.8	9312.6	7930.5	6894.1	6236.9	5624.6	5186.3
37°	12783.3	12708.5	12509.8	11906.1	10734.2	9405.5	7994.4	6928.9	6228.2	5618.8	5218.1
38°	12737.3	12631.7	12423.4	11880.2	10787.0	9491.4	8062.5	6960.7	6123.5	5476.4	5232.7
39°	12722.9	12595.2	12365.8	11844.7	10804.3	9566.2	8153.7	6990.9	6045.3	5398.7	5238.6
40°	12719.0	12576.0	12339.0	11822.6	10802.4	9619.9	8240.3	7022.2	6021.7	5433.7	5056.8
41°	12715.2	12565.5	12325.5	11814.9	10817.7	9661.2	8306.4	7044.4	6062.4	5470.1	4979.8
42°	12702.7	12554.9	12317.9	11813.0	10851.3	9702.4	8353.5	7056.9	6102.8	5469.9	5004.7
43°	12674.9	12542.4	12312.1	11822.6	10890.7	9738.9	8386.4	7097.6	6088.8	5482.6	4998.2
44°	12633.6	12523.2	12301.5	11840.8	10933.8	9777.3	8413.6	7137.4	6090.7	5516.7	4992.6

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12575.1	12492.5	12285.2	11859.1	10974.2	9828.2	8446.7	7188.0	6124.9	5541.0	4991.1
46°	12507.9	12453.2	12264.1	11870.6	11014.5	9889.6	8480.2	7171.2	6163.2	5383.5	4747.9
47°	12430.1	12410.0	12239.1	11879.2	11054.8	9953.9	8505.4	7126.7	6171.4	5272.4	4684.5
48°	12349.5	12359.1	12211.3	11889.8	11094.1	10014.4	8553.3	7148.0	6166.6	5281.7	4702.4
49°	12263.1	12307.3	12175.8	11893.6	11140.2	10071.0	8607.8	7191.8	6053.8	5315.2	4702.0
50°	12169.1	12253.5	12134.5	11884.0	11174.7	10121.9	8656.6	7222.7	5999.9	5313.2	4672.8
51°	12065.4	12188.3	12084.6	11865.8	11215.1	10165.1	8695.5	7231.9	6009.6	5304.8	4408.8
52°	11946.4	12112.5	12029.0	11849.5	11259.2	10205.4	8692.8	7260.1	6010.9	5115.2	4404.5
53°	11817.8	12021.3	11965.6	11831.2	11296.6	10234.2	8647.6	7274.0	6054.8	5060.2	4436.9
54°	11673.8	11909.9	11901.3	11808.2	11315.8	10261.0	8599.8	7257.3	6053.6	5070.8	4462.3
55°	11510.7	11780.4	11827.4	11779.4	11322.6	10277.4	8592.9	7247.2	6044.8	5065.3	4203.9
56°	11322.6	11625.8	11739.1	11739.1	11322.6	10284.1	8594.8	7224.2	5996.7	4971.7	4147.2
57°	11117.2	11450.2	11634.5	11693.0	11319.7	10294.6	8585.2	7204.0	5906.3	4818.8	4149.5
58°	10887.8	11246.7	11508.8	11641.2	11307.2	10310.0	8548.0	7127.6	5887.7	4866.7	3950.8
59°	10638.2	11017.3	11371.5	11579.8	11289.0	10316.7	8510.5	7092.1	5874.8	4922.0	3835.1
60°	10346.5	10758.2	11206.4	11503.0	11256.3	10308.1	8471.1	7036.0	5851.7	4883.5	3826.1
61°	9976.9	10455.9	11025.0	11405.1	11209.3	10274.5	8410.4	6971.0	5799.5	4730.3	3548.2
62°	9536.9	10089.2	10817.7	11284.2	11151.7	10204.4	8324.7	6896.5	5732.2	4705.5	3523.6
63°	9045.2	9673.6	10584.5	11142.1	11074.0	10090.2	8213.0	6809.1	5714.2	4635.0	3323.4
64°	8559.7	9243.5	10323.4	10984.7	10972.2	9944.3	8082.5	6712.5	5652.1	4549.8	3231.8
65°	8139.1	8823.4	10039.3	10808.1	10854.2	9784.0	7952.0	6632.5	5526.6	4506.2	3004.1
66°	7804.6	8454.8	9728.4	10600.8	10711.2	9638.1	7782.3	6531.8	5530.0	4394.9	2900.4
67°	7585.8	8140.9	9430.7	10368.5	10533.6	9468.1	7585.0	6395.8	5565.7	4351.0	2668.0
68°	7473.3	7908.1	9146.1	10101.7	10322.5	9257.0	7305.0	6240.8	5592.9	4260.7	2474.8
69°	7371.8	7741.2	8882.5	9813.8	10065.2	8985.9	6977.2	6052.3	5464.2	4185.4	2248.7
70°	7097.6	7586.5	8628.2	9501.6	9768.7	8589.1	6471.7	5781.8	5321.9	4113.0	2082.6
71°	6555.6	7323.0	8399.6	9183.9	9424.8	8072.3	5821.1	5409.0	5204.1	4017.9	1963.7
72°	5840.9	6875.2	8182.7	8857.8	9043.8	7462.2	5178.0	5004.3	5049.0	3910.7	1844.8
73°	5132.0	6260.0	7939.3	8540.0	8607.1	6778.4	4600.0	4588.4	4808.2	3795.0	1726.0
74°	4461.7	5577.6	7647.4	8216.5	8103.2	6086.3	4062.4	4170.1	4558.1	3642.3	1614.3
75°	3496.5	4826.9	7271.1	7822.6	7555.5	5352.8	3411.9	3740.3	4294.5	3438.7	1456.0
76°	2196.7	3901.8	6739.6	7368.6	6906.6	4545.6	2488.2	3238.9	4016.0	3188.1	1289.9
77°	1038.2	2593.6	6045.4	6738.8	6166.5	3435.9	1564.5	2427.3	3732.6	2828.9	1131.1
78°	815.4	1303.0	5193.5	5917.6	5281.4	2162.9	654.6	1615.7	3413.3	2356.6	966.8
79°	603.4	999.5	4061.6	4906.4	4242.6	1079.5	298.3	812.2	2901.7	1884.2	820.0
80°	391.4	696.2	2604.4	3669.6	3010.0	803.3	255.8	595.4	2072.7	1412.5	708.5
81°	356.2	392.9	1351.5	2340.1	1746.8	538.3	213.3	378.5	1246.4	1043.1	712.9
82°	324.0	347.3	1011.9	1125.6	786.1	273.2	171.0	166.8	545.8	852.7	663.9
83°	293.2	311.1	687.0	864.5	539.0	230.4	146.5	135.5	413.9	726.7	531.3
84°	261.8	275.9	362.1	607.8	295.2	195.3	122.9	108.7	281.9	576.6	366.1
85°	230.3	241.2	293.1	351.1	237.0	162.1	99.7	85.6	152.1	409.7	262.0
86°	196.2	208.5	235.4	298.5	189.9	128.8	77.2	65.8	125.5	328.6	158.9
87°	162.7	177.1	194.7	238.2	151.2	98.4	55.2	48.9	97.4	247.6	103.9
88°	132.6	146.7	154.9	170.2	117.1	74.8	39.2	34.8	64.7	166.6	71.1
89°	108.6	115.0	113.7	100.8	89.9	51.1	23.2	20.8	45.0	85.6	38.3



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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: P1445107

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-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: P1445107
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-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: P1445107

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8	6214.8
1°	6126.2	6126.7	6134.5	6147.5	6166.4	6187.7	6210.4	6212.8	6235.8	6258.7	6278.8
2°	6049.6	6046.9	6058.1	6080.4	6113.1	6152.2	6197.9	6223.5	6269.6	6314.9	6356.0
3°	5982.9	5977.7	5991.7	6021.6	6064.9	6121.9	6187.8	6237.7	6308.3	6378.7	6443.1
4°	5924.6	5918.0	5934.6	5969.5	6024.5	6097.5	6183.4	6256.5	6353.2	6450.6	6538.5
5°	5870.8	5864.0	5882.5	5924.1	5987.8	6077.0	6181.5	6278.5	6400.8	6526.3	6643.4
6°	5826.0	5818.9	5838.9	5882.4	5957.4	6059.1	6184.5	6305.0	6453.3	6608.7	6757.3
7°	5789.8	5780.9	5803.5	5850.9	5928.6	6045.5	6189.2	6332.9	6510.3	6698.6	6879.5
8°	5757.9	5747.0	5771.5	5827.2	5907.9	6033.5	6195.8	6362.4	6570.9	6794.4	7009.2
9°	5728.5	5716.1	5742.5	5804.3	5893.9	6022.3	6202.4	6395.2	6634.8	6897.3	7150.8
10°	5704.8	5691.6	5718.2	5785.0	5882.8	6013.7	6214.3	6433.8	6703.2	7005.9	7299.7
11°	5688.0	5674.3	5701.1	5770.5	5874.4	6012.8	6229.0	6477.0	6780.1	7122.5	7461.3
12°	5652.4	5611.4	5665.6	5761.5	5869.6	6017.2	6232.0	6505.7	6861.6	7244.6	7633.0
13°	5587.6	5547.7	5600.5	5756.5	5867.2	6007.3	6241.9	6540.9	6927.8	7381.4	7817.4
14°	5558.0	5542.0	5570.9	5691.6	5868.7	6004.8	6251.4	6576.4	7002.7	7516.2	8013.3
15°	5561.4	5542.1	5571.2	5649.4	5857.7	6005.6	6272.4	6621.8	7079.4	7645.0	8217.0
16°	5565.3	5546.3	5575.5	5653.6	5850.5	6016.1	6292.0	6676.2	7165.7	7782.7	8430.7
17°	5574.5	5553.2	5585.6	5663.2	5806.7	6022.7	6317.0	6729.6	7269.6	7924.1	8649.2
18°	5580.8	5553.9	5592.5	5676.0	5784.6	6035.4	6352.4	6788.2	7361.1	8079.8	8863.5
19°	5585.2	5554.9	5598.2	5694.8	5776.7	6061.7	6395.2	6859.9	7463.2	8236.2	9065.0
20°	5589.6	5531.8	5604.8	5708.4	5783.7	6093.2	6437.1	6932.5	7570.0	8402.2	9275.8
21°	5475.7	5304.4	5499.2	5709.4	5803.3	6117.4	6471.2	6997.5	7691.9	8558.5	9478.3
22°	5312.1	5246.1	5344.7	5712.9	5827.9	6128.1	6489.9	7055.9	7814.1	8720.7	9666.9
23°	5286.4	5252.6	5318.2	5680.2	5846.4	6114.5	6528.3	7097.4	7932.9	8885.3	9859.8
24°	5296.3	5267.2	5330.3	5490.2	5861.7	6129.7	6577.5	7155.5	8042.7	9046.8	10048.0
25°	5314.7	5287.3	5350.2	5439.3	5876.2	6140.8	6607.0	7229.6	8137.8	9211.5	10227.4
26°	5336.1	5305.5	5374.1	5457.6	5898.9	6149.2	6643.2	7289.0	8236.1	9371.6	10406.9
27°	5354.0	5326.2	5394.8	5473.3	5900.1	6187.2	6696.4	7347.0	8349.3	9529.7	10577.8
28°	5372.6	5289.2	5419.4	5485.8	5796.2	6218.7	6746.0	7423.2	8477.0	9677.5	10749.6
29°	5278.8	5079.1	5319.9	5493.9	5696.0	6229.2	6778.9	7508.9	8601.9	9822.4	10924.2
30°	5102.2	5063.0	5145.2	5511.4	5643.4	6240.0	6808.1	7594.2	8711.7	9953.9	11101.8
31°	5095.8	5091.0	5137.9	5528.8	5636.1	6270.2	6851.6	7668.0	8833.0	10085.4	11281.3
32°	5116.2	5126.1	5159.1	5385.5	5651.8	6299.6	6903.6	7733.2	8971.3	10227.4	11456.9
33°	5141.7	5159.4	5185.1	5239.2	5678.3	6305.1	6952.8	7811.1	9115.2	10376.2	11624.9
34°	5166.1	5186.6	5207.6	5233.5	5704.8	6326.5	6980.2	7907.7	9246.4	10524.0	11773.7
35°	5185.6	5209.3	5225.8	5240.2	5717.1	6342.1	7027.0	8002.8	9358.8	10668.0	11873.5
36°	5192.7	4929.7	5227.8	5262.7	5719.2	6353.0	7073.1	8090.7	9456.2	10767.8	11916.7
37°	4909.5	4889.6	4938.1	5291.8	5710.7	6339.9	7110.6	8155.2	9540.2	10827.3	11917.6
38°	4850.9	4918.0	4892.6	5301.6	5569.5	6241.3	7143.0	8231.8	9608.4	10851.3	11886.9
39°	4869.0	4952.3	4910.3	5317.2	5496.2	6173.5	7162.7	8310.4	9664.1	10857.1	11848.5
40°	4893.2	4982.2	4928.5	5134.9	5538.8	6154.1	7188.3	8370.5	9706.3	10867.6	11827.4
41°	4895.3	4955.3	4930.0	5069.5	5567.9	6194.1	7194.7	8424.1	9738.9	10891.6	11818.8
42°	4846.3	4646.9	4884.1	5086.8	5563.3	6218.0	7206.3	8470.5	9777.3	10921.4	11832.2
43°	4571.3	4624.0	4616.2	5077.2	5587.0	6191.7	7250.7	8509.3	9819.5	10956.9	11858.1
44°	4548.4	4640.6	4598.9	5072.3	5620.0	6202.3	7297.1	8543.9	9872.3	10996.2	11882.1

REPORT NUMBER: P1445107

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4571.6	4649.1	4620.3	5071.6	5642.3	6243.5	7346.6	8582.9	9932.8	11034.6	11903.2
46°	4575.3	4516.9	4619.7	4815.9	5480.1	6280.5	7309.4	8610.8	9990.4	11081.7	11924.3
47°	4457.8	4232.8	4490.9	4777.7	5377.5	6300.1	7272.8	8645.8	10048.9	11133.5	11941.6
48°	4214.1	4233.8	4269.0	4790.9	5395.1	6284.8	7304.7	8699.5	10106.5	11183.4	11949.3
49°	4232.4	4239.4	4291.1	4789.3	5430.1	6173.7	7357.7	8745.7	10162.2	11226.6	11944.5
50°	4255.8	4237.2	4316.6	4749.7	5420.9	6144.6	7385.1	8783.9	10211.1	11274.6	11934.9
51°	4269.2	3847.9	4335.2	4498.7	5404.6	6155.5	7398.3	8804.9	10251.4	11315.8	11924.3
52°	3937.6	3809.1	3990.3	4505.6	5207.0	6166.8	7427.3	8775.8	10284.1	11349.4	11910.9
53°	3893.5	3803.8	3951.5	4538.7	5177.2	6205.8	7432.3	8718.7	10313.8	11369.6	11894.6
54°	3884.0	3514.8	3941.3	4562.4	5193.3	6200.2	7414.2	8686.1	10328.2	11376.3	11873.5
55°	3613.0	3338.6	3655.4	4288.4	5189.8	6188.3	7399.2	8682.5	10334.0	11375.3	11849.5
56°	3472.4	3330.3	3530.1	4243.8	5075.0	6136.0	7368.2	8683.6	10336.9	11377.3	11816.8
57°	3468.6	2962.2	3525.0	4247.7	4960.8	6049.2	7334.9	8662.7	10342.6	11369.6	11769.8
58°	3136.1	2876.9	3180.1	4025.9	5011.5	6035.5	7246.7	8609.9	10339.7	11348.5	11703.6
59°	3051.3	2810.4	3104.6	3942.6	5065.5	6015.6	7217.9	8567.4	10329.2	11319.7	11622.0
60°	2909.8	2383.3	2930.5	3924.3	4999.1	5986.7	7134.5	8517.0	10293.7	11279.4	11529.9
61°	2628.0	2170.6	2678.2	3642.3	4862.0	5918.2	7058.9	8449.7	10223.6	11226.6	11428.1
62°	2503.6	1958.1	2511.5	3625.3	4838.8	5854.8	6965.9	8358.1	10109.4	11148.8	11315.8
63°	2254.8	1744.2	2272.7	3392.1	4749.7	5829.4	6864.5	8229.7	9973.1	11050.0	11181.5
64°	2006.1	1414.4	2033.9	3320.2	4674.5	5750.5	6763.0	8099.5	9810.9	10936.7	11017.3
65°	1755.2	1090.8	1794.9	3078.0	4620.7	5634.8	6664.8	7946.3	9658.3	10796.6	10821.5
66°	1430.8	815.1	1450.3	2960.5	4507.8	5650.4	6536.4	7737.9	9492.3	10633.4	10603.7
67°	1162.3	542.1	1142.3	2747.2	4463.9	5669.5	6368.6	7503.5	9290.2	10443.4	10363.7
68°	850.2	269.0	843.9	2527.9	4352.8	5650.4	6183.9	7186.9	9025.7	10217.8	10105.6
69°	615.8	0.6	591.9	2262.1	4258.6	5463.2	5963.7	6764.7	8681.2	9951.0	9823.4
70°	554.0	0.5	518.4	2100.4	4169.9	5287.6	5642.0	6152.0	8234.0	9642.0	9508.4
71°	493.4	0.5	452.3	1970.4	4053.9	5127.4	5216.1	5462.7	7656.8	9287.6	9169.9
72°	426.2	0.5	385.0	1840.5	3932.8	4934.9	4776.5	4834.8	6986.5	8897.4	8841.6
73°	354.1	0.5	312.9	1710.0	3777.6	4666.8	4366.4	4307.5	6287.9	8419.8	8502.3
74°	289.5	0.6	243.1	1562.9	3561.8	4409.6	3952.6	3718.6	5565.0	7842.1	8138.8
75°	229.2	0.7	199.6	1384.7	3317.2	4149.3	3416.0	2871.9	4794.8	7188.5	7719.7
76°	169.2	0.8	184.6	1225.4	2994.2	3843.8	2606.3	1803.6	3851.5	6467.4	7218.7
77°	130.5	0.9	202.2	1075.2	2557.8	3510.9	1796.6	861.0	2661.4	5674.3	6569.5
78°	140.3	1.0	186.2	924.5	2118.7	3054.6	989.2	550.2	1452.7	4722.3	5628.7
79°	190.4	1.2	170.3	808.0	1679.7	2259.2	405.3	253.8	1067.5	3641.5	4508.6
80°	196.4	1.4	154.0	743.8	1245.1	1463.9	290.5	215.3	682.3	2387.5	3221.9
81°	177.9	1.6	96.2	687.9	988.5	685.8	177.1	187.9	297.2	1215.6	1913.1
82°	129.4	1.8	53.3	588.4	825.6	510.2	145.5	162.9	251.4	901.6	832.2
83°	81.1	2.0	40.6	431.0	640.9	334.6	120.3	138.8	216.4	589.5	599.3
84°	48.3	2.3	28.0	273.7	426.5	160.8	98.6	115.5	184.3	277.5	392.0
85°	36.9	2.5	15.5	117.6	282.5	132.0	78.5	90.9	151.4	219.0	341.2
86°	25.5	2.8	13.1	69.4	139.0	105.0	60.7	69.7	119.8	175.9	286.9
87°	14.2	3.1	11.3	42.0	73.8	77.4	44.8	48.6	90.8	139.5	225.6
88°	11.2	3.3	9.6	29.7	51.0	53.5	31.6	27.4	66.9	105.8	154.9
89°	7.7	3.6	7.2	17.4	28.2	29.7	18.4	12.0	43.1	82.1	90.0



REPORT NUMBER: P1445107

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-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: P1445107

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-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: P1445107
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-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: P1445107

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6214.8	6214.8	6214.8
1°	6294.3	6305.8	6309.4
2°	6389.6	6413.0	6419.6
3°	6494.6	6528.2	6540.1
4°	6610.7	6660.5	6676.3
5°	6741.1	6804.1	6825.8
6°	6878.1	6959.5	6987.7
7°	7028.5	7130.4	7165.8
8°	7190.8	7313.0	7353.7
9°	7363.8	7509.3	7561.6
10°	7552.4	7724.0	7785.9
11°	7755.4	7954.1	8024.3
12°	7970.0	8197.9	8280.8
13°	8200.6	8464.9	8563.0
14°	8442.1	8741.3	8857.6
15°	8697.7	9032.1	9162.5
16°	8957.8	9332.8	9474.4
17°	9228.9	9639.1	9784.0
18°	9499.7	9940.5	10090.2
19°	9766.7	10228.4	10390.6
20°	10024.9	10507.7	10681.4
21°	10274.5	10775.5	10954.0
22°	10509.6	11025.0	11212.2
23°	10739.0	11273.6	11456.9
24°	10956.9	11515.5	11690.2
25°	11176.7	11746.8	11908.0
26°	11396.5	11957.0	12100.0
27°	11603.8	12145.1	12267.9
28°	11783.3	12308.3	12430.1
29°	11949.3	12471.4	12593.3
30°	12125.9	12657.6	12791.0
31°	12302.5	12829.4	12953.2
32°	12464.7	12956.1	13076.1
33°	12578.9	13021.4	13125.0
34°	12633.6	13015.6	13098.2
35°	12625.0	12940.7	13008.9
36°	12577.0	12826.5	12888.9
37°	12494.5	12709.4	12783.3
38°	12415.7	12634.6	12737.3
39°	12368.7	12599.1	12722.9
40°	12347.6	12582.8	12719.0
41°	12338.0	12575.1	12715.2
42°	12328.4	12570.3	12702.7
43°	12318.8	12560.7	12674.9
44°	12311.1	12544.4	12633.6

REPORT NUMBER: P1445107

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12303.5	12513.6	12575.1
46°	12293.9	12474.3	12507.9
47°	12279.5	12430.1	12430.1
48°	12257.4	12380.2	12349.5
49°	12224.8	12328.4	12263.1
50°	12183.5	12275.6	12169.1
51°	12129.7	12218.0	12065.4
52°	12071.2	12145.1	11946.4
53°	12010.7	12054.9	11817.8
54°	11949.3	11943.5	11673.8
55°	11881.1	11813.0	11510.7
56°	11798.6	11658.5	11322.6
57°	11695.9	11485.7	11117.2
58°	11564.4	11276.5	10887.8
59°	11420.5	11046.1	10638.2
60°	11255.4	10793.7	10346.5
61°	11069.2	10503.9	9976.9
62°	10859.0	10152.6	9536.9
63°	10636.3	9742.8	9045.2
64°	10389.6	9299.1	8559.7
65°	10112.3	8882.0	8139.1
66°	9817.6	8514.9	7804.6
67°	9521.5	8210.8	7585.8
68°	9221.3	7970.1	7473.3
69°	8960.0	7792.7	7371.8
70°	8738.1	7634.8	7097.6
71°	8508.3	7389.7	6555.6
72°	8256.2	6949.5	5840.9
73°	8007.7	6330.7	5132.0
74°	7717.8	5635.1	4461.7
75°	7277.2	4875.4	3496.5
76°	6692.8	3942.0	2196.7
77°	6016.2	2723.1	1038.2
78°	5180.7	1457.6	815.4
79°	4011.1	1098.2	603.4
80°	2483.9	751.5	391.4
81°	1254.2	404.8	356.2
82°	939.8	352.4	324.0
83°	652.9	318.0	293.2
84°	366.1	281.4	261.8
85°	288.4	243.9	230.3
86°	234.5	209.3	196.2
87°	193.0	177.2	162.7
88°	153.3	145.7	132.6
89°	110.1	113.9	108.6

REPORT NUMBER: P1445107

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-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 (5000K-300W-T4-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: P1445107

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)