

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: P1436814

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436814
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 (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: 38695 (1 lamp)
Luminaire Lumens: 37800.7 lumens
Efficiency: 97.7%
Efficacy: 132.1 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

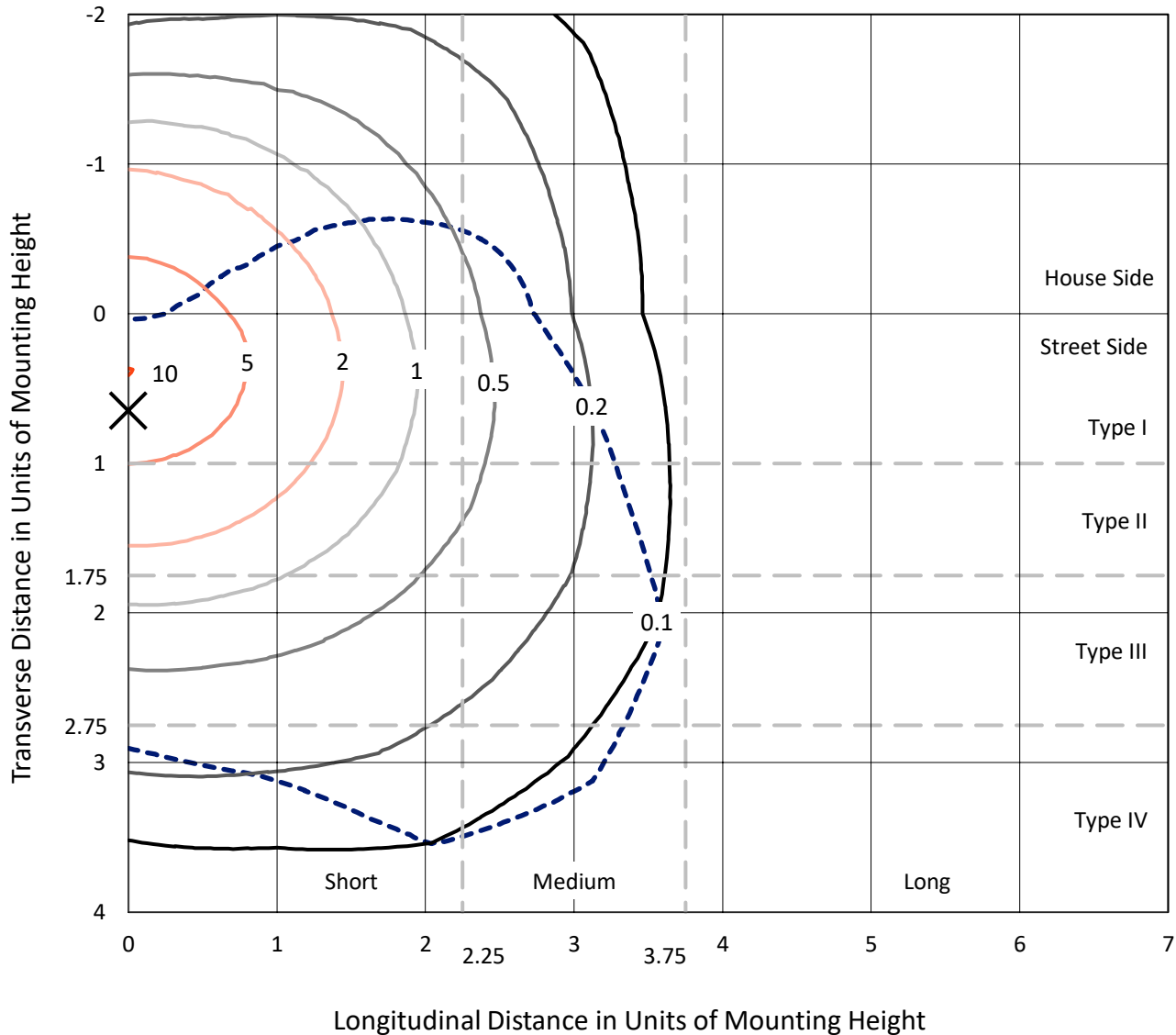
Input Watts (W): 286.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

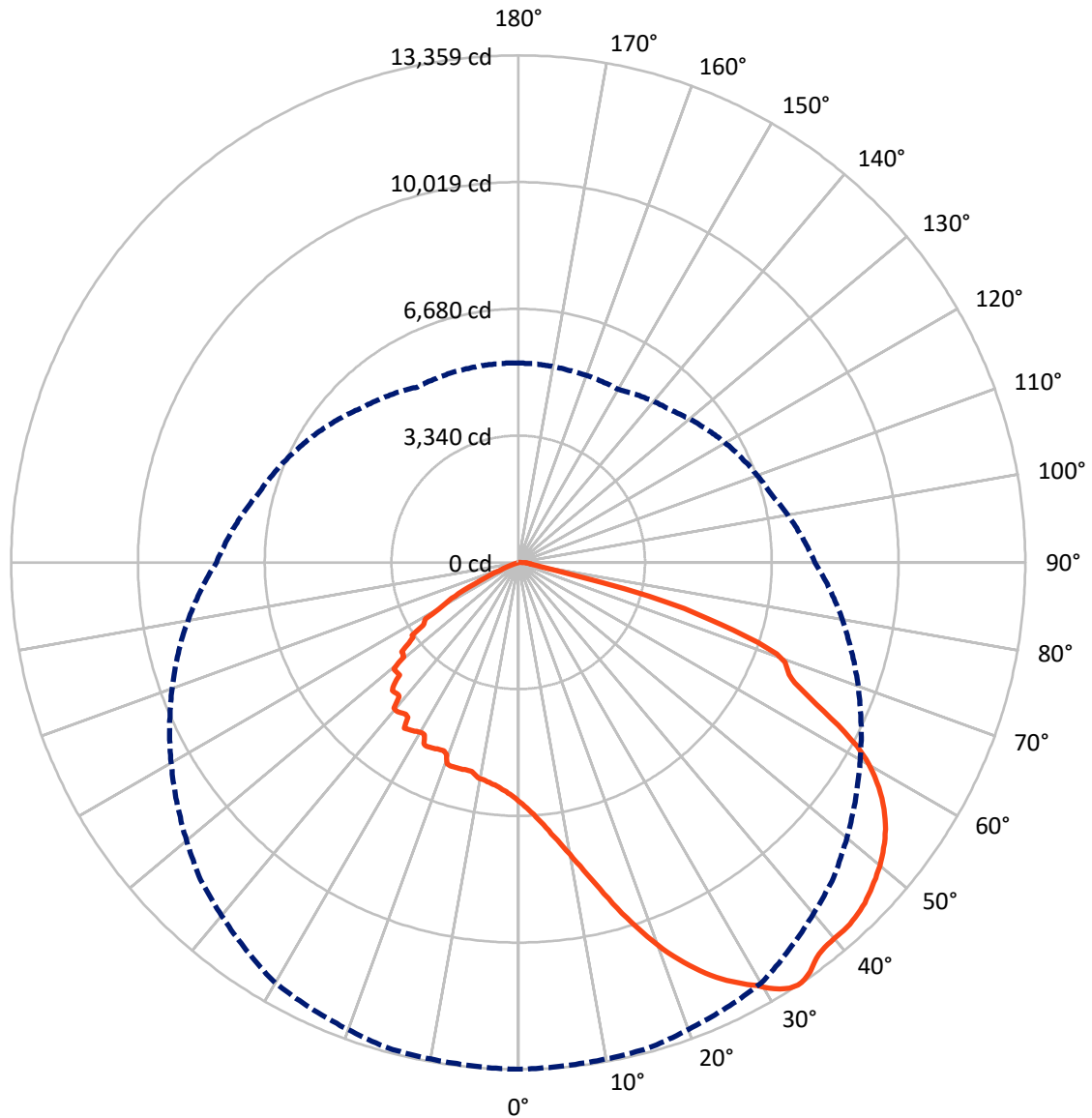
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.1 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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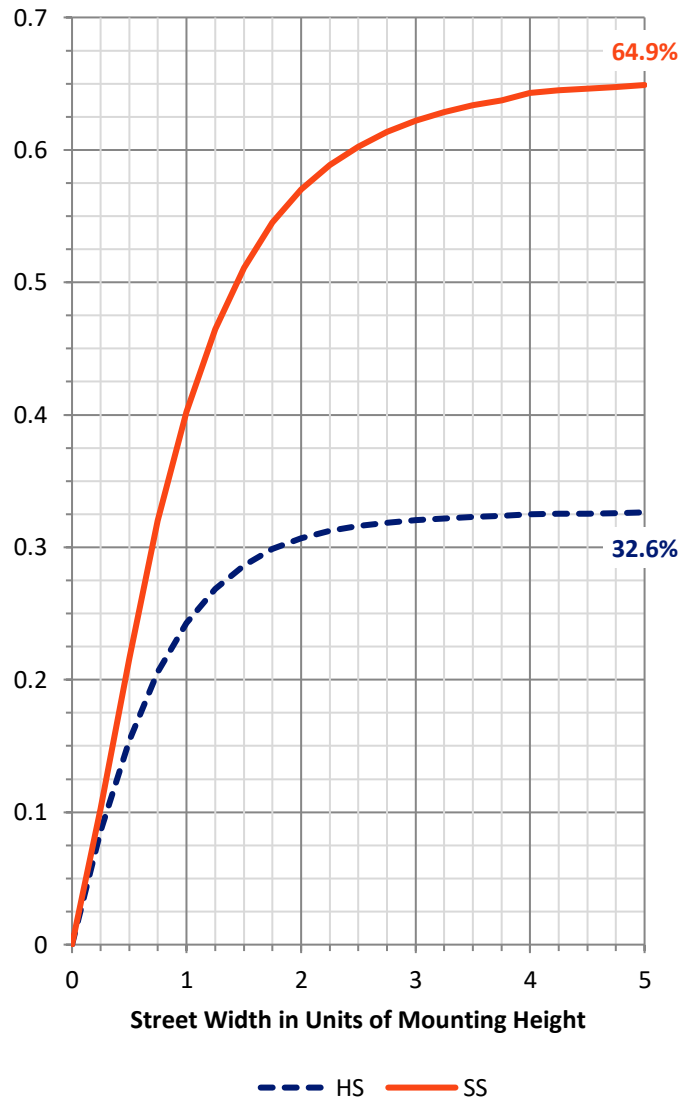
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12693.5	0.0	12693.5
	% Lamp	32.8	0.0	32.8
Street Side	Lumens	25107.3	0.0	25107.3
	% Lamp	64.9	0.0	64.9
Total	Lumens	37800.7	0.0	37800.7
	% Lamp	97.7	0.0	97.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	621.7	1.6	1.6
10°-20°	2037.6	5.4	5.3
20°-30°	3754.5	9.9	9.7
30°-40°	5475.3	14.5	14.1
40°-50°	6757.9	17.9	17.5
50°-60°	7547.7	20.0	19.5
60°-70°	7069.5	18.7	18.3
70°-80°	4192.4	11.1	10.8
80°-90°	344.2	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°	37800.7	100.0	97.7
0°-180°	37800.7	100.0	97.7

Coefficient of Utilization



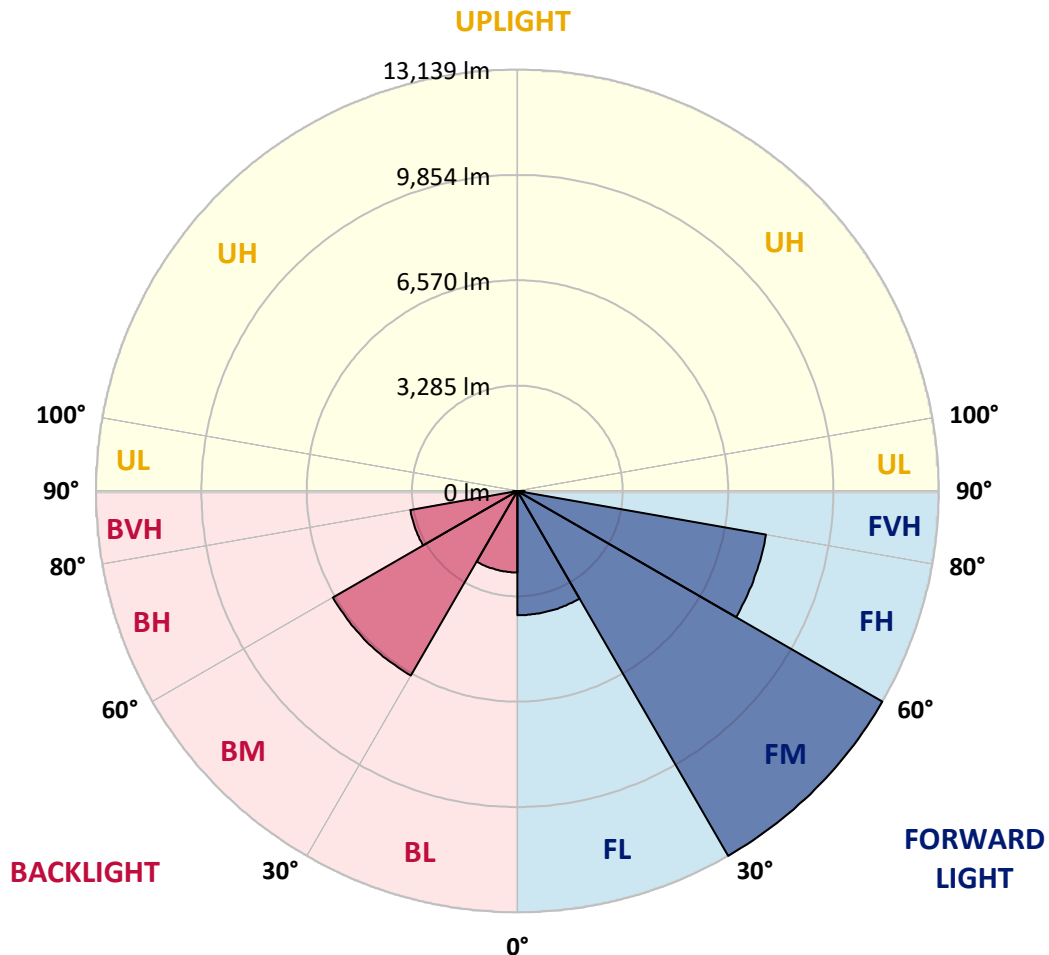
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3874.1	10.0			
FM (30°-60°)	13139.1	34.0			
FH (60°-80°)	7870.8	20.3			G4/12000
FVH (80°-90°)	223.3	0.6			G2/225
BL (0°-30°)	2539.6	6.6	B4/5000		
BM (30°-60°)	6641.8	17.2	B4/8500		
BH (60°-80°)	3391.2	8.8	B4/5000		G4/5000
BVH (80°-90°)	120.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	894.3	2.3			

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°	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6
1°	6421.9	6422.4	6414.6	6402.3	6385.3	6361.7	6316.2	6292.4	6270.3	6254.0	6241.1
2°	6534.1	6529.8	6508.2	6476.0	6437.2	6389.5	6319.0	6271.6	6228.9	6194.4	6169.1
3°	6656.7	6647.6	6612.8	6561.5	6496.0	6422.6	6326.8	6256.2	6194.1	6142.6	6107.9
4°	6795.4	6779.3	6730.2	6657.2	6564.2	6464.3	6341.4	6247.2	6163.5	6098.1	6053.6
5°	6947.5	6924.9	6857.3	6760.0	6641.3	6512.1	6363.0	6244.4	6141.3	6061.3	6007.0
6°	7112.3	7082.7	6999.4	6875.9	6725.4	6563.0	6386.2	6245.7	6123.4	6029.2	5963.3
7°	7293.6	7258.7	7153.5	7001.8	6814.8	6617.0	6411.2	6248.0	6109.5	6001.3	5929.9
8°	7484.8	7442.3	7320.2	7136.3	6911.2	6676.8	6440.6	6253.8	6098.0	5979.9	5904.6
9°	7696.5	7643.4	7500.1	7280.4	7015.4	6741.8	6473.9	6261.3	6087.5	5966.5	5882.8
10°	7924.8	7862.7	7691.4	7434.6	7126.2	6810.5	6507.8	6270.4	6078.4	5955.8	5864.9
11°	8167.3	8095.5	7899.9	7601.9	7243.3	6884.6	6546.8	6283.2	6075.4	5947.5	5849.9
12°	8428.5	8345.2	8118.9	7777.3	7366.3	6962.6	6573.2	6284.9	6078.7	5941.0	5841.7
13°	8715.7	8615.2	8352.7	7964.9	7498.4	7028.1	6603.0	6288.2	6067.0	5936.9	5833.3
14°	9015.6	8898.8	8595.5	8159.5	7638.3	7099.3	6638.8	6293.0	6060.1	5937.7	5770.4
15°	9325.8	9197.2	8852.2	8358.8	7767.6	7175.1	6679.3	6307.1	6053.7	5924.8	5731.3
16°	9643.3	9493.6	9115.2	8568.9	7906.7	7259.2	6734.7	6332.7	6056.1	5904.2	5732.3
17°	9958.5	9799.2	9380.5	8783.7	8049.6	7352.5	6784.1	6351.3	6064.5	5855.9	5740.0
18°	10270.1	10097.2	9647.4	9002.5	8190.2	7453.4	6840.1	6378.2	6071.7	5827.2	5750.8
19°	10575.9	10389.3	9912.6	9216.4	8343.3	7549.4	6906.9	6418.8	6088.0	5826.6	5766.5
20°	10871.9	10676.5	10169.5	9409.5	8495.7	7651.7	6979.0	6463.1	6115.0	5831.5	5779.9
21°	11149.3	10951.0	10418.6	9618.4	8658.2	7764.9	7050.5	6498.8	6140.6	5840.5	5781.5
22°	11412.1	11210.9	10657.9	9807.1	8808.5	7885.3	7110.2	6512.3	6147.7	5863.8	5780.4
23°	11661.2	11463.9	10893.4	9992.7	8966.8	8008.4	7147.1	6536.4	6123.9	5886.1	5732.7
24°	11898.6	11702.2	11121.0	10177.3	9122.9	8119.3	7195.8	6580.3	6130.8	5896.9	5541.5
25°	12120.3	11935.7	11342.7	10362.9	9277.6	8219.7	7263.5	6606.0	6137.1	5908.7	5475.0
26°	12315.7	12139.9	11558.6	10539.7	9435.6	8305.6	7330.2	6633.1	6144.7	5927.8	5485.0
27°	12486.7	12325.5	11763.8	10712.6	9592.7	8404.0	7379.0	6678.4	6178.7	5930.3	5500.9
28°	12651.8	12492.5	11957.2	10882.6	9746.8	8520.1	7445.3	6724.5	6212.4	5817.8	5511.3
29°	12817.8	12661.5	12132.1	11041.9	9887.2	8644.7	7529.4	6762.0	6226.0	5710.6	5519.5
30°	13019.1	12854.0	12306.0	11206.0	10021.0	8752.7	7615.4	6784.3	6233.7	5659.7	5530.2
31°	13184.2	13030.8	12487.7	11384.7	10128.5	8858.5	7692.6	6815.3	6260.7	5649.0	5546.2
32°	13309.2	13170.5	12657.6	11571.3	10253.5	8968.8	7755.3	6861.4	6291.8	5655.3	5415.1
33°	13359.0	13251.6	12805.1	11747.2	10402.0	9091.5	7817.4	6904.3	6296.5	5677.5	5263.9
34°	13331.7	13242.8	12891.1	11908.4	10558.3	9222.2	7895.6	6930.4	6316.8	5702.7	5252.5
35°	13240.8	13167.6	12890.1	12028.5	10706.8	9355.2	7984.9	6969.4	6334.8	5720.4	5260.2
36°	13118.7	13058.2	12825.7	12104.7	10838.7	9478.6	8071.9	7017.0	6348.1	5724.9	5278.8
37°	13011.3	12935.1	12732.9	12118.4	10925.6	9573.2	8137.0	7052.4	6339.3	5718.9	5311.1
38°	12964.4	12856.9	12644.9	12092.0	10979.3	9660.6	8206.2	7084.8	6232.7	5574.1	5326.0
39°	12949.7	12819.8	12586.3	12055.9	10996.9	9736.7	8299.1	7115.5	6153.1	5494.9	5332.0
40°	12945.8	12800.3	12559.0	12033.4	10995.0	9791.4	8387.2	7147.5	6129.0	5530.6	5147.0
41°	12941.9	12789.5	12545.3	12025.6	11010.6	9833.4	8454.5	7170.0	6170.5	5567.6	5068.6
42°	12929.2	12778.8	12537.5	12023.6	11044.8	9875.4	8502.4	7182.7	6211.6	5567.4	5093.9
43°	12900.9	12766.1	12531.6	12033.4	11084.8	9912.6	8535.9	7224.1	6197.3	5580.3	5087.3
44°	12858.9	12746.5	12520.9	12052.0	11128.8	9951.6	8563.6	7264.7	6199.3	5615.1	5081.6



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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°
45°	12799.3	12715.3	12504.3	12070.5	11169.8	10003.4	8597.3	7316.2	6234.2	5639.8	5080.1
46°	12730.9	12675.2	12482.8	12082.2	11210.9	10065.9	8631.4	7299.1	6273.1	5479.5	4832.5
47°	12651.8	12631.3	12457.4	12091.0	11251.9	10131.4	8657.1	7253.7	6281.4	5366.4	4768.0
48°	12569.7	12579.5	12429.0	12101.8	11291.9	10192.9	8705.8	7275.4	6276.6	5375.9	4786.2
49°	12481.8	12526.7	12392.9	12105.7	11338.8	10250.6	8761.3	7320.1	6161.8	5409.9	4785.8
50°	12386.1	12472.0	12350.9	12095.9	11374.0	10302.3	8810.9	7351.4	6106.9	5407.9	4756.1
51°	12280.6	12405.6	12300.1	12077.4	11415.0	10346.3	8850.6	7360.8	6116.7	5399.4	4487.4
52°	12159.4	12328.4	12243.4	12060.8	11460.0	10387.3	8847.7	7389.5	6118.1	5206.4	4483.1
53°	12028.5	12235.6	12179.0	12042.2	11498.1	10416.6	8801.8	7403.7	6162.7	5150.4	4516.0
54°	11882.0	12122.3	12113.5	12018.7	11517.6	10444.0	8753.2	7386.7	6161.6	5161.2	4541.9
55°	11715.9	11990.4	12038.3	11989.4	11524.4	10460.6	8746.1	7376.4	6152.6	5155.6	4278.9
56°	11524.4	11833.1	11948.4	11948.4	11524.4	10467.4	8748.0	7353.0	6103.6	5060.3	4221.2
57°	11315.4	11654.4	11841.9	11901.5	11521.5	10478.2	8738.2	7332.5	6011.6	4904.7	4223.5
58°	11081.9	11447.3	11714.0	11848.8	11508.8	10493.8	8700.4	7254.7	5992.7	4953.4	4021.3
59°	10827.9	11213.8	11574.3	11786.2	11490.2	10500.7	8662.2	7218.6	5979.6	5009.7	3903.5
60°	10530.9	10950.0	11406.2	11708.1	11457.0	10491.9	8622.2	7161.4	5956.0	4970.5	3894.3
61°	10154.8	10642.3	11221.6	11608.4	11409.2	10457.7	8560.3	7095.3	5902.9	4814.6	3611.5
62°	9706.9	10269.1	11010.6	11485.4	11350.5	10386.4	8473.1	7019.5	5834.4	4789.4	3586.5
63°	9206.5	9846.1	10773.2	11340.8	11271.4	10270.1	8359.4	6930.5	5816.0	4717.6	3382.7
64°	8712.3	9408.3	10507.5	11180.6	11167.9	10121.6	8226.6	6832.2	5752.8	4630.9	3289.4
65°	8284.3	8980.7	10218.3	11000.8	11047.7	9958.5	8093.8	6750.7	5625.2	4586.5	3057.7
66°	7943.7	8605.6	9901.8	10789.8	10902.2	9810.0	7921.1	6648.3	5628.6	4473.3	2952.1
67°	7721.1	8286.0	9598.9	10553.4	10721.4	9636.9	7720.2	6509.8	5664.9	4428.6	2715.6
68°	7606.5	8049.1	9309.1	10281.8	10506.5	9422.1	7435.2	6352.1	5692.7	4336.6	2518.9
69°	7503.2	7879.2	9040.9	9988.8	10244.7	9146.1	7101.6	6160.2	5561.7	4260.0	2288.8
70°	7224.1	7721.8	8782.0	9671.0	9942.8	8742.2	6587.1	5884.9	5416.8	4186.3	2119.8
71°	6672.5	7453.6	8549.4	9347.6	9592.8	8216.2	5924.9	5505.4	5296.9	4089.6	1998.7
72°	5945.0	6997.8	8328.6	9015.8	9205.1	7595.3	5270.4	5093.5	5139.1	3980.5	1877.7
73°	5223.5	6371.6	8080.9	8692.2	8760.6	6899.2	4682.1	4670.2	4894.0	3862.6	1756.8
74°	4541.3	5677.0	7783.7	8363.0	8247.6	6194.8	4134.8	4244.4	4639.4	3707.2	1643.0
75°	3558.8	4913.0	7400.8	7962.1	7690.2	5448.2	3472.8	3807.0	4371.1	3500.0	1482.0
76°	2235.8	3971.4	6859.8	7500.0	7029.7	4626.7	2532.6	3296.6	4087.6	3245.0	1312.9
77°	1056.7	2639.9	6153.2	6859.0	6276.5	3497.2	1592.4	2470.6	3799.1	2879.3	1151.3
78°	830.0	1326.2	5286.1	6023.1	5375.6	2201.4	666.3	1644.5	3474.1	2398.6	984.0
79°	614.2	1017.3	4134.0	4993.9	4318.3	1098.7	303.6	826.7	2953.4	1917.8	834.6
80°	398.4	708.6	2650.8	3735.1	3063.6	817.7	260.4	606.0	2109.6	1437.7	721.1
81°	362.5	399.9	1375.6	2381.9	1777.9	547.9	217.1	385.2	1268.6	1061.7	725.6
82°	329.7	353.5	1029.9	1145.7	800.1	278.1	174.0	169.8	555.6	867.9	675.7
83°	298.5	316.7	699.2	879.9	548.6	234.6	149.1	137.9	421.2	739.6	540.7
84°	266.5	280.8	368.5	618.6	300.4	198.8	125.0	110.7	286.9	586.9	372.6
85°	234.4	245.5	298.3	357.4	241.2	164.9	101.5	87.2	154.8	417.0	266.6
86°	199.7	212.2	239.6	303.8	193.3	131.1	78.6	67.0	127.7	334.5	161.8
87°	165.6	180.3	198.1	242.4	153.9	100.2	56.2	49.8	99.1	252.0	105.8
88°	135.0	149.4	157.7	173.3	119.2	76.1	39.9	35.5	65.8	169.6	72.4
89°	110.5	117.1	115.8	102.6	91.5	52.0	23.6	21.1	45.8	87.1	38.9



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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: P1436814

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: P1436814

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: P1436814

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6	6325.6
1°	6235.4	6235.9	6243.8	6257.1	6276.4	6298.0	6321.1	6323.5	6347.0	6370.3	6390.8
2°	6157.5	6154.7	6166.1	6188.8	6222.1	6261.9	6308.4	6334.5	6381.4	6427.5	6469.3
3°	6089.6	6084.3	6098.6	6128.9	6173.0	6231.0	6298.1	6348.9	6420.7	6492.4	6558.0
4°	6030.3	6023.5	6040.4	6075.9	6131.9	6206.2	6293.6	6368.1	6466.5	6565.6	6655.1
5°	5975.5	5968.5	5987.4	6029.7	6094.6	6185.3	6291.7	6390.5	6514.9	6642.7	6761.9
6°	5929.9	5922.6	5943.0	5987.3	6063.6	6167.1	6294.7	6417.4	6568.4	6726.5	6877.8
7°	5893.0	5883.9	5907.0	5955.3	6034.3	6153.3	6299.5	6445.8	6626.4	6818.0	7002.2
8°	5860.6	5849.5	5874.4	5931.1	6013.3	6141.1	6306.3	6475.8	6688.0	6915.5	7134.2
9°	5830.6	5818.0	5844.9	5907.8	5999.0	6129.7	6313.0	6509.3	6753.1	7020.3	7278.3
10°	5806.5	5793.1	5820.1	5888.1	5987.7	6120.9	6325.1	6548.5	6822.7	7130.8	7429.9
11°	5789.4	5775.5	5802.8	5873.4	5979.2	6120.0	6340.1	6592.5	6901.0	7249.4	7594.3
12°	5753.1	5711.4	5766.6	5864.2	5974.3	6124.5	6343.1	6621.7	6983.9	7373.8	7769.1
13°	5687.2	5646.7	5700.4	5859.1	5971.8	6114.4	6353.2	6657.5	7051.3	7513.0	7956.8
14°	5657.1	5640.8	5670.2	5793.1	5973.3	6111.8	6362.9	6693.7	7127.5	7650.2	8156.2
15°	5660.5	5640.9	5670.5	5750.1	5962.2	6112.6	6384.2	6739.9	7205.6	7781.3	8363.5
16°	5664.5	5645.2	5674.9	5754.4	5954.9	6123.4	6404.2	6795.2	7293.5	7921.5	8581.1
17°	5673.9	5652.2	5685.1	5764.2	5910.2	6130.1	6429.6	6849.6	7399.2	8065.3	8803.4
18°	5680.4	5652.9	5692.2	5777.2	5887.7	6143.0	6465.7	6909.2	7492.4	8223.9	9021.5
19°	5684.8	5654.0	5698.0	5796.3	5879.7	6169.8	6509.3	6982.2	7596.2	8383.0	9226.6
20°	5689.2	5630.4	5704.8	5810.2	5886.8	6201.8	6551.8	7056.1	7705.0	8552.0	9441.2
21°	5573.3	5399.0	5597.2	5811.2	5906.8	6226.4	6586.6	7122.3	7829.0	8711.1	9647.3
22°	5406.8	5339.6	5440.0	5814.8	5931.8	6237.4	6605.6	7181.7	7953.4	8876.2	9839.3
23°	5380.6	5346.3	5413.0	5781.5	5950.7	6223.5	6644.7	7223.9	8074.3	9043.7	10035.6
24°	5390.7	5361.1	5425.4	5588.1	5966.2	6239.0	6694.8	7283.0	8186.1	9208.1	10227.1
25°	5409.5	5381.6	5445.6	5536.3	5980.9	6250.3	6724.9	7358.5	8282.9	9375.8	10409.8
26°	5431.2	5400.1	5469.9	5554.9	6004.1	6258.9	6761.7	7418.9	8382.9	9538.7	10592.5
27°	5449.4	5421.2	5491.0	5570.8	6005.3	6297.6	6815.8	7478.0	8498.2	9699.6	10766.4
28°	5468.4	5383.5	5516.0	5583.6	5899.6	6329.6	6866.3	7555.5	8628.1	9850.0	10941.2
29°	5372.9	5169.6	5414.7	5591.8	5797.6	6340.2	6899.8	7642.7	8755.2	9997.5	11119.0
30°	5193.2	5153.3	5236.9	5609.6	5744.0	6351.3	6929.5	7729.6	8867.0	10131.4	11299.8
31°	5186.6	5181.7	5229.5	5627.4	5736.6	6382.0	6973.8	7804.7	8990.5	10265.2	11482.4
32°	5207.4	5217.5	5251.1	5481.6	5752.5	6412.0	7026.7	7871.0	9131.2	10409.8	11661.2
33°	5233.3	5251.4	5277.6	5332.6	5779.5	6417.5	7076.7	7950.4	9277.7	10561.2	11832.2
34°	5258.2	5279.0	5300.4	5326.8	5806.5	6439.3	7104.7	8048.7	9411.3	10711.7	11983.6
35°	5278.1	5302.2	5319.0	5333.7	5819.1	6455.1	7152.3	8145.5	9525.7	10858.2	12085.2
36°	5285.3	5017.6	5321.1	5356.5	5821.1	6466.3	7199.2	8234.9	9624.8	10959.8	12129.1
37°	4997.0	4976.8	5026.1	5386.1	5812.5	6453.0	7237.4	8300.6	9710.3	11020.4	12130.1
38°	4937.4	5005.7	4979.8	5396.1	5668.8	6352.6	7270.3	8378.5	9779.7	11044.8	12098.9
39°	4955.8	5040.6	4997.9	5412.0	5594.2	6283.6	7290.4	8458.5	9836.4	11050.6	12059.8
40°	4980.4	5071.1	5016.4	5226.5	5637.6	6263.9	7316.5	8519.7	9879.3	11061.4	12038.3
41°	4982.6	5043.6	5017.9	5159.9	5667.2	6304.5	7323.0	8574.3	9912.6	11085.8	12029.5
42°	4932.7	4729.7	4971.2	5177.5	5662.5	6328.8	7334.8	8621.5	9951.6	11116.1	12043.2
43°	4652.8	4706.5	4698.5	5167.7	5686.6	6302.1	7380.0	8661.1	9994.6	11152.2	12069.5
44°	4629.5	4723.4	4680.9	5162.7	5720.2	6312.9	7427.2	8696.2	10048.3	11192.3	12094.0



REPORT NUMBER: P1436814

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	4653.1	4732.0	4702.7	5162.0	5742.9	6354.8	7477.5	8735.9	10109.9	11231.4	12115.5
46°	4656.9	4597.5	4702.1	4901.8	5577.8	6392.5	7439.7	8764.3	10168.5	11279.2	12137.0
47°	4537.3	4308.3	4571.0	4862.9	5473.4	6412.4	7402.4	8800.0	10228.1	11332.0	12154.5
48°	4289.3	4309.3	4345.1	4876.3	5491.3	6396.9	7435.0	8854.6	10286.7	11382.8	12162.3
49°	4307.8	4314.9	4367.6	4874.7	5526.9	6283.8	7488.9	8901.7	10343.4	11426.7	12157.5
50°	4331.7	4312.7	4393.6	4834.4	5517.6	6254.2	7516.8	8940.5	10393.2	11475.6	12147.7
51°	4345.3	3916.5	4412.5	4578.9	5501.0	6265.2	7530.2	8961.8	10434.2	11517.6	12137.0
52°	4007.8	3877.0	4061.4	4585.9	5299.9	6276.7	7559.7	8932.2	10467.4	11551.8	12123.3
53°	3962.9	3871.6	4022.0	4619.6	5269.5	6316.4	7564.8	8874.1	10497.7	11572.3	12106.7
54°	3953.3	3577.5	4011.5	4643.8	5285.9	6310.7	7546.4	8841.0	10512.4	11579.1	12085.2
55°	3677.4	3398.1	3720.6	4364.9	5282.4	6298.6	7531.1	8837.3	10518.2	11578.2	12060.8
56°	3534.3	3389.6	3593.0	4319.4	5165.5	6245.4	7499.5	8838.5	10521.2	11580.1	12027.5
57°	3530.4	3015.0	3587.8	4323.4	5049.3	6157.1	7465.6	8817.2	10527.0	11572.3	11979.7
58°	3192.0	2928.1	3236.8	4097.7	5100.9	6143.1	7376.0	8763.4	10524.1	11550.8	11912.3
59°	3105.7	2860.5	3160.0	4012.9	5155.9	6122.9	7346.5	8720.2	10513.3	11521.5	11829.2
60°	2961.7	2425.8	2982.8	3994.2	5088.3	6093.5	7261.8	8668.9	10477.2	11480.5	11735.4
61°	2674.8	2209.3	2725.9	3707.2	4948.7	6023.7	7184.8	8600.4	10405.9	11426.7	11631.9
62°	2548.2	1993.0	2556.2	3689.9	4925.1	5959.2	7090.1	8507.1	10289.6	11347.6	11517.6
63°	2295.0	1775.3	2313.2	3452.5	4834.4	5933.4	6986.9	8376.4	10150.9	11247.0	11380.8
64°	2041.9	1439.7	2070.1	3379.4	4757.9	5853.1	6883.6	8243.9	9985.8	11131.7	11213.8
65°	1786.4	1110.2	1826.9	3132.9	4703.1	5735.3	6783.7	8088.0	9830.5	10989.1	11014.5
66°	1456.4	829.6	1476.2	3013.3	4588.2	5751.2	6653.0	7875.8	9661.6	10823.0	10792.7
67°	1183.0	551.7	1162.7	2796.2	4543.4	5770.6	6482.2	7637.3	9455.9	10629.6	10548.5
68°	865.3	273.8	858.9	2572.9	4430.4	5751.2	6294.1	7315.0	9186.6	10400.0	10285.7
69°	626.7	0.6	602.5	2302.4	4334.5	5560.6	6070.0	6885.4	8836.0	10128.5	9998.5
70°	563.9	0.5	527.6	2137.8	4244.2	5381.9	5742.6	6261.7	8380.8	9813.9	9677.9
71°	502.2	0.5	460.3	2005.6	4126.2	5218.9	5309.1	5560.1	7793.3	9453.2	9333.4
72°	433.8	0.5	391.8	1873.3	4002.9	5022.9	4861.6	4921.0	7111.1	9056.0	8999.3
73°	360.5	0.6	318.5	1740.5	3845.0	4750.0	4444.3	4384.3	6400.0	8569.9	8653.9
74°	294.7	0.6	247.5	1590.8	3625.3	4488.2	4023.1	3784.9	5664.2	7981.9	8283.9
75°	233.3	0.7	203.2	1409.4	3376.3	4223.3	3476.9	2923.1	4880.3	7316.7	7857.4
76°	172.2	0.8	187.9	1247.2	3047.6	3912.4	2652.8	1835.8	3920.2	6582.7	7347.4
77°	132.8	0.9	205.8	1094.4	2603.4	3573.5	1828.7	876.4	2708.8	5775.5	6686.7
78°	142.8	1.1	189.5	941.0	2156.5	3109.1	1006.9	560.0	1478.6	4806.5	5729.1
79°	193.7	1.2	173.3	822.4	1709.7	2299.5	412.6	258.3	1086.5	3706.4	4589.0
80°	199.9	1.4	156.7	757.1	1267.3	1490.0	295.7	219.1	694.5	2430.0	3279.3
81°	181.1	1.6	97.9	700.2	1006.1	698.0	180.2	191.3	302.5	1237.2	1947.2
82°	131.7	1.8	54.2	598.9	840.3	519.3	148.1	165.8	255.8	917.7	847.0
83°	82.5	2.1	41.4	438.7	652.3	340.6	122.5	141.3	220.3	600.1	610.0
84°	49.2	2.3	28.5	278.5	434.1	163.7	100.4	117.5	187.6	282.5	399.0
85°	37.5	2.6	15.8	119.7	287.5	134.3	80.0	92.5	154.1	222.9	347.3
86°	25.9	2.8	13.3	70.6	141.5	106.8	61.7	71.0	121.9	179.0	292.0
87°	14.5	3.1	11.5	42.7	75.1	78.8	45.6	49.4	92.4	142.0	229.6
88°	11.4	3.4	9.7	30.3	51.9	54.5	32.2	27.9	68.1	107.7	157.7
89°	7.9	3.7	7.3	17.8	28.7	30.2	18.8	12.3	43.9	83.6	91.6



REPORT NUMBER: P1436814

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: P1436814

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: P1436814

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: P1436814

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6325.6	6325.6	6325.6
1°	6406.5	6418.2	6421.9
2°	6503.5	6527.3	6534.1
3°	6610.4	6644.6	6656.7
4°	6728.6	6779.3	6795.4
5°	6861.3	6925.4	6947.5
6°	7000.7	7083.6	7112.3
7°	7153.8	7257.6	7293.6
8°	7319.0	7443.4	7484.8
9°	7495.1	7643.2	7696.5
10°	7687.1	7861.8	7924.8
11°	7893.7	8095.9	8167.3
12°	8112.1	8344.1	8428.5
13°	8346.8	8615.8	8715.7
14°	8592.6	8897.2	9015.6
15°	8852.8	9193.2	9325.8
16°	9117.6	9499.2	9643.3
17°	9393.4	9811.0	9958.5
18°	9669.1	10117.7	10270.1
19°	9940.9	10410.8	10575.9
20°	10203.7	10695.1	10871.9
21°	10457.7	10967.6	11149.3
22°	10697.0	11221.6	11412.1
23°	10930.5	11474.6	11661.2
24°	11152.2	11720.8	11898.6
25°	11375.9	11956.2	12120.3
26°	11599.7	12170.2	12315.7
27°	11810.7	12361.6	12486.7
28°	11993.3	12527.7	12651.8
29°	12162.3	12693.8	12817.8
30°	12342.1	12883.3	13019.1
31°	12521.8	13058.2	13184.2
32°	12686.9	13187.1	13309.2
33°	12803.2	13253.5	13359.0
34°	12858.9	13247.7	13331.7
35°	12850.1	13171.5	13240.8
36°	12801.2	13055.2	13118.7
37°	12717.2	12936.1	13011.3
38°	12637.1	12859.9	12964.4
39°	12589.3	12823.7	12949.7
40°	12567.8	12807.1	12945.8
41°	12558.0	12799.3	12941.9
42°	12548.2	12794.4	12929.2
43°	12538.5	12784.6	12900.9
44°	12530.6	12768.0	12858.9



REPORT NUMBER: P1436814

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12522.8	12736.8	12799.3
46°	12513.1	12696.7	12730.9
47°	12498.4	12651.8	12651.8
48°	12475.9	12601.0	12569.7
49°	12442.7	12548.2	12481.8
50°	12400.7	12494.5	12386.1
51°	12346.0	12435.9	12280.6
52°	12286.4	12361.6	12159.4
53°	12224.9	12269.8	12028.5
54°	12162.3	12156.5	11882.0
55°	12093.0	12023.6	11715.9
56°	12009.0	11866.4	11524.4
57°	11904.4	11690.5	11315.4
58°	11770.6	11477.5	11081.9
59°	11624.1	11243.1	10827.9
60°	11456.1	10986.2	10530.9
61°	11266.5	10691.1	10154.8
62°	11052.6	10333.6	9706.9
63°	10826.0	9916.5	9206.5
64°	10574.9	9464.9	8712.3
65°	10292.6	9040.4	8284.3
66°	9992.7	8666.7	7943.7
67°	9691.3	8357.2	7721.1
68°	9385.7	8112.2	7606.5
69°	9119.7	7931.6	7503.2
70°	8894.0	7770.9	7224.1
71°	8660.0	7521.4	6672.5
72°	8403.5	7073.4	5945.0
73°	8150.4	6443.6	5223.5
74°	7855.4	5735.5	4541.3
75°	7406.9	4962.3	3558.8
76°	6812.1	4012.3	2235.8
77°	6123.5	2771.6	1056.7
78°	5273.1	1483.6	830.0
79°	4082.6	1117.8	614.2
80°	2528.2	764.9	398.4
81°	1276.6	412.0	362.5
82°	956.5	358.7	329.7
83°	664.6	323.6	298.5
84°	372.7	286.4	266.5
85°	293.5	248.3	234.4
86°	238.7	213.0	199.7
87°	196.5	180.4	165.6
88°	156.0	148.3	135.0
89°	112.0	115.9	110.5



REPORT NUMBER: P1436814

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



REPORT NUMBER: P1436814

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: P1436814

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)