Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1436808

Luminaire Tested: XAS300-SFPM (4000K-240W-T3-HSS)

Issue Date: 3/25/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1436808
	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-240W-T3-HSS)
Description:	XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
	LUMEN OUTPUT - 80% (240W)
	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:	32284 lumens
Efficiency:	83.4%
Efficacy:	135.5 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):	238.3
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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Scaled Data Report

REPORT NUMBER: P1436808
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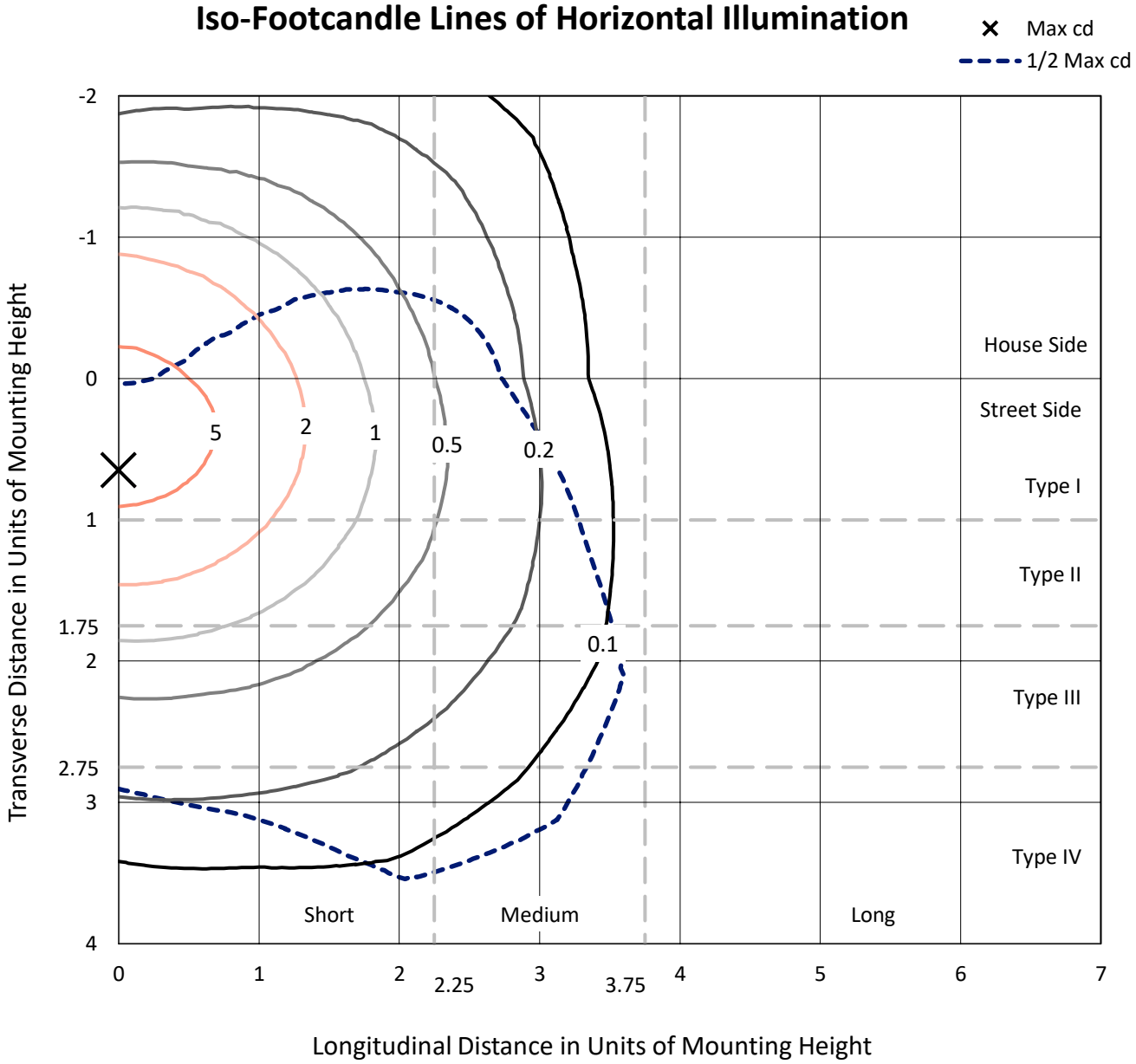
Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 8.6 fc
Type IV - Short - Full Cutoff

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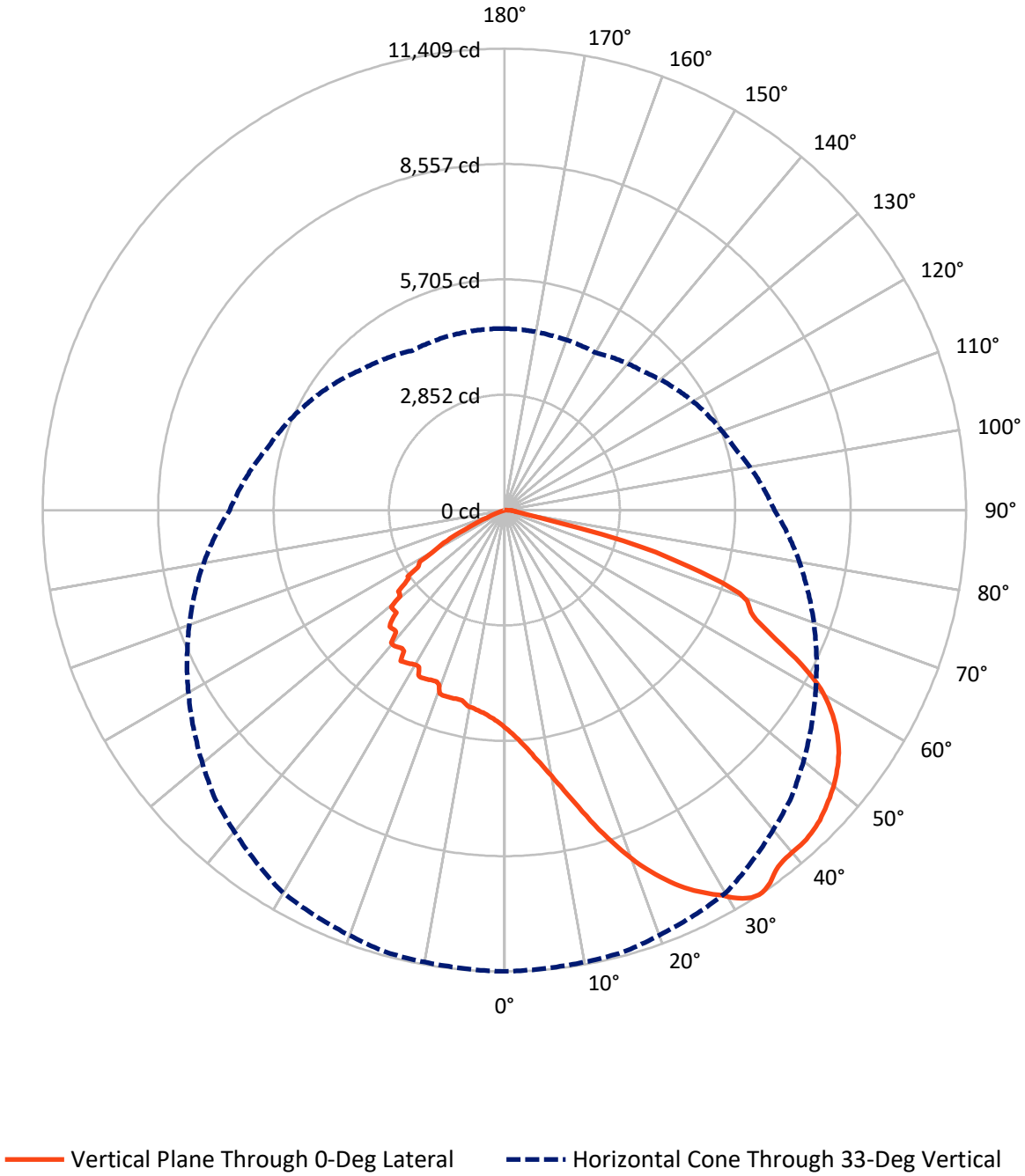
Luminous Intensity Polar Plot



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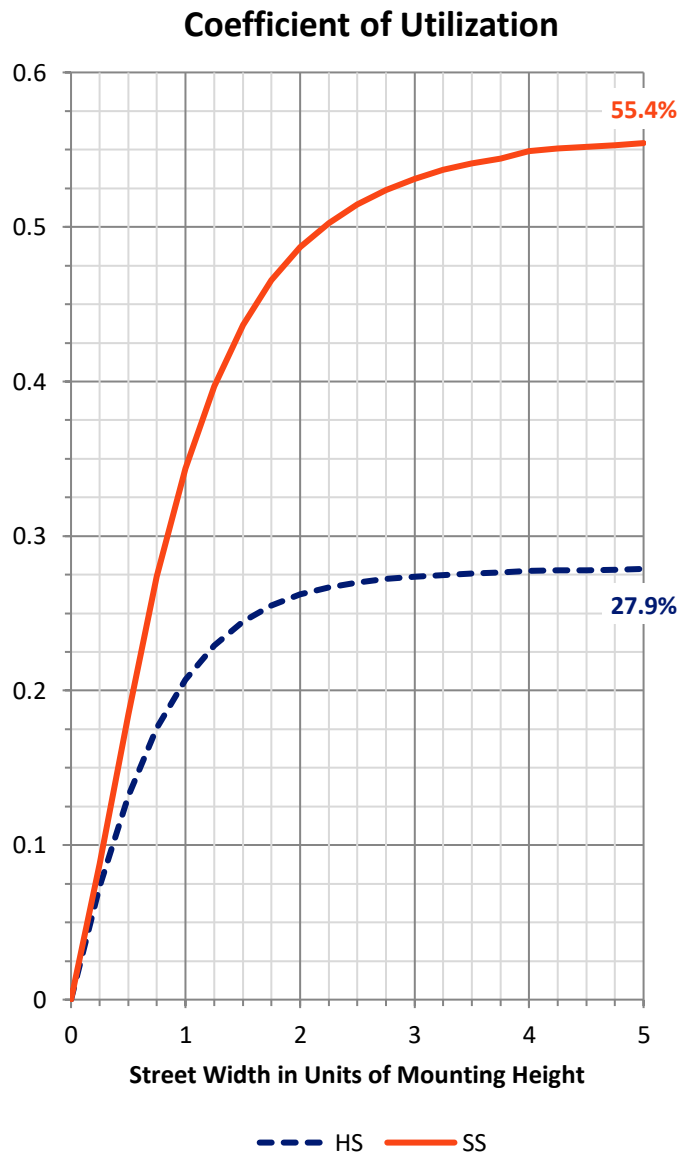
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10840.9	0.0	10840.9
	% Lamp	28.0	0.0	28.0
Street Side	Lumens	21443.0	0.0	21443.0
	% Lamp	55.4	0.0	55.4
Total	Lumens	32284.0	0.0	32284.0
	% Lamp	83.4	0.0	83.4

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	531.0	1.6	1.4
10°-20°	1740.2	5.4	4.5
20°-30°	3206.5	9.9	8.3
30°-40°	4676.2	14.5	12.1
40°-50°	5771.6	17.9	14.9
50°-60°	6446.2	20.0	16.7
60°-70°	6037.8	18.7	15.6
70°-80°	3580.6	11.1	9.3
80°-90°	294.0	0.9	0.8
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	32284.0	100.0	83.4
0°-180°	32284.0	100.0	83.4



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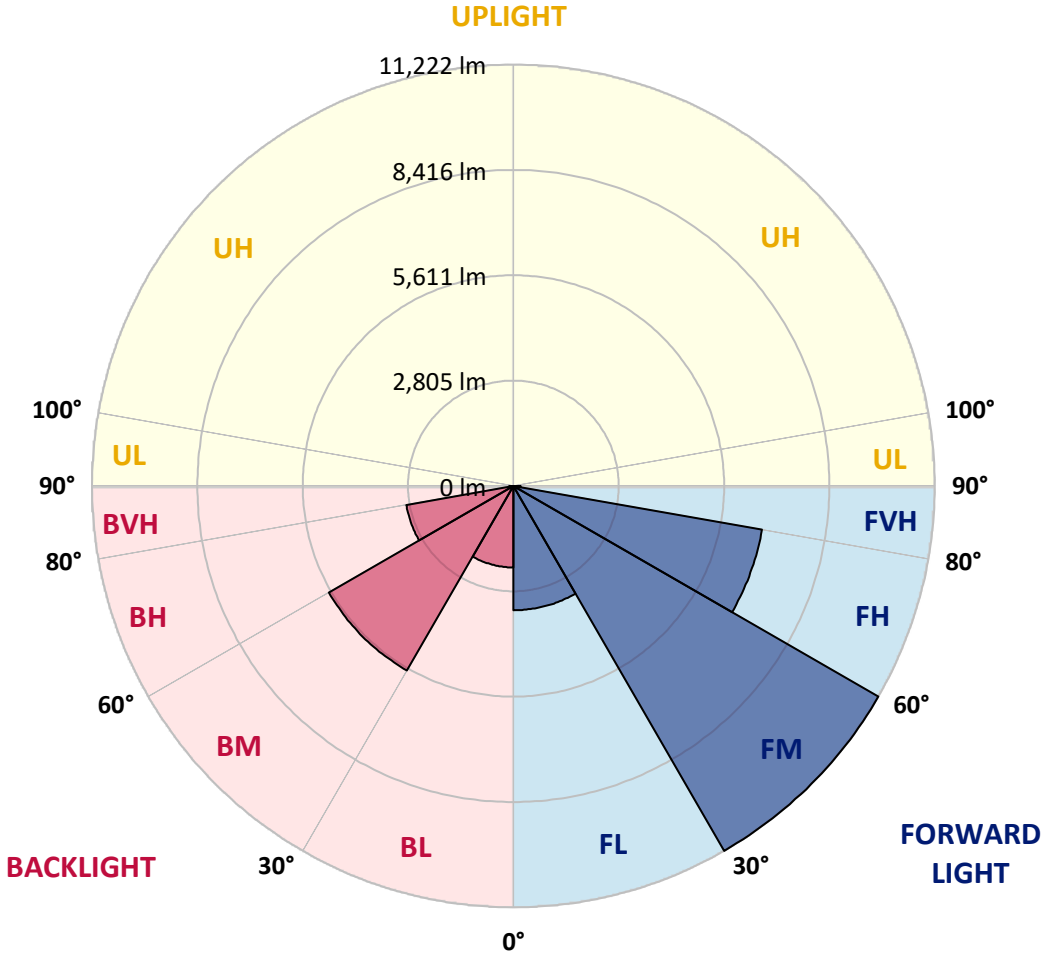
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3308.7	8.6			
FM	(30°-60°)	11221.5	29.0			
FH	(60°-80°)	6722.1	17.4			G3/7500
FVH	(80°-90°)	190.7	0.5			G2/225
BL	(0°-30°)	2169.0	5.6	B3/2500		
BM	(30°-60°)	5672.5	14.7	B4/8500		
BH	(60°-80°)	2896.3	7.5	B4/5000		G4/5000
BVH	(80°-90°)	103.2	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		6411.0	16.6			

BUG Rating: B4-U0-G4
Type IV Short



REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4
1°	5484.7	5485.1	5478.4	5467.9	5453.4	5433.3	5394.4	5374.0	5355.2	5341.3	5330.2
2°	5580.5	5576.8	5558.4	5530.9	5497.7	5457.0	5396.7	5356.3	5319.8	5290.4	5268.8
3°	5685.2	5677.4	5647.7	5603.9	5547.9	5485.3	5403.4	5343.2	5290.1	5246.1	5216.5
4°	5803.6	5789.9	5748.0	5685.6	5606.2	5520.9	5415.9	5335.5	5264.0	5208.1	5170.1
5°	5933.5	5914.3	5856.5	5773.4	5672.1	5561.7	5434.4	5333.1	5245.0	5176.7	5130.3
6°	6074.3	6049.0	5977.9	5872.4	5743.9	5605.2	5454.1	5334.2	5229.7	5149.3	5093.0
7°	6229.1	6199.4	6109.5	5979.9	5820.2	5651.3	5475.5	5336.2	5217.9	5125.4	5064.4
8°	6392.4	6356.1	6251.8	6094.8	5902.6	5702.4	5500.6	5341.1	5208.0	5107.1	5042.8
9°	6573.2	6527.9	6405.5	6217.9	5991.5	5757.9	5529.1	5347.5	5199.1	5095.7	5024.2
10°	6768.2	6715.2	6568.9	6349.5	6086.1	5816.6	5558.0	5355.3	5191.3	5086.6	5008.9
11°	6975.4	6914.0	6746.9	6492.5	6186.2	5879.8	5591.3	5366.2	5188.7	5079.5	4996.2
12°	7198.4	7127.3	6934.0	6642.2	6291.2	5946.5	5613.9	5367.6	5191.6	5073.9	4989.2
13°	7443.7	7357.9	7133.6	6802.5	6404.0	6002.4	5639.4	5370.5	5181.6	5070.4	4982.0
14°	7699.8	7600.1	7341.1	6968.7	6523.6	6063.2	5669.9	5374.6	5175.6	5071.1	4928.3
15°	7964.8	7854.9	7560.3	7138.9	6634.0	6127.9	5704.5	5386.6	5170.2	5060.1	4894.8
16°	8235.9	8108.0	7784.9	7318.4	6752.8	6199.8	5751.8	5408.5	5172.2	5042.5	4895.7
17°	8505.1	8369.1	8011.5	7501.7	6874.8	6279.5	5794.0	5424.4	5179.4	5001.3	4902.3
18°	8771.3	8623.6	8239.5	7688.6	6994.9	6365.6	5841.9	5447.4	5185.6	4976.7	4911.5
19°	9032.4	8873.0	8465.9	7871.3	7125.6	6447.7	5898.9	5482.0	5199.5	4976.2	4924.9
20°	9285.2	9118.3	8685.3	8036.2	7255.8	6535.0	5960.5	5519.9	5222.5	4980.4	4936.4
21°	9522.1	9352.8	8898.1	8214.7	7394.6	6631.6	6021.5	5550.3	5244.4	4988.1	4937.7
22°	9746.6	9574.7	9102.5	8375.8	7522.9	6734.5	6072.5	5561.9	5250.5	5008.0	4936.8
23°	9959.3	9790.8	9303.6	8534.3	7658.2	6839.6	6104.0	5582.5	5230.1	5027.1	4896.1
24°	10162.1	9994.4	9497.9	8692.0	7791.5	6934.3	6145.6	5619.9	5236.1	5036.3	4732.8
25°	10351.5	10193.8	9687.3	8850.5	7923.6	7020.1	6203.5	5641.9	5241.4	5046.3	4676.0
26°	10518.3	10368.1	9871.7	9001.5	8058.6	7093.4	6260.4	5665.1	5247.9	5062.7	4684.5
27°	10664.3	10526.7	10046.9	9149.2	8192.7	7177.5	6302.1	5703.7	5276.9	5064.8	4698.1
28°	10805.3	10669.3	10212.1	9294.4	8324.3	7276.6	6358.7	5743.1	5305.7	4968.7	4706.9
29°	10947.2	10813.7	10361.5	9430.4	8444.2	7383.1	6430.6	5775.1	5317.3	4877.2	4713.9
30°	11119.0	10978.0	10510.0	9570.5	8558.5	7475.3	6504.0	5794.2	5323.9	4833.7	4723.1
31°	11260.0	11129.1	10665.2	9723.2	8650.3	7565.7	6569.9	5820.7	5347.0	4824.6	4736.8
32°	11366.8	11248.4	10810.3	9882.6	8757.1	7659.8	6623.5	5860.0	5373.5	4830.0	4624.8
33°	11409.4	11317.6	10936.3	10032.7	8883.9	7764.6	6676.5	5896.7	5377.6	4848.9	4495.7
34°	11386.0	11310.1	11009.7	10170.4	9017.4	7876.3	6743.3	5918.9	5394.9	4870.5	4485.9
35°	11308.4	11245.9	11008.9	10273.0	9144.2	7989.9	6819.5	5952.2	5410.3	4885.6	4492.5
36°	11204.1	11152.4	10953.8	10338.1	9256.8	8095.3	6893.9	5993.0	5421.6	4889.4	4508.4
37°	11112.4	11047.3	10874.6	10349.8	9331.1	8176.0	6949.4	6023.2	5414.1	4884.3	4536.0
38°	11072.3	10980.5	10799.5	10327.3	9377.0	8250.7	7008.6	6050.9	5323.1	4760.6	4548.7
39°	11059.8	10948.8	10749.4	10296.4	9392.0	8315.7	7087.9	6077.1	5255.1	4693.0	4553.8
40°	11056.5	10932.2	10726.1	10277.2	9390.3	8362.4	7163.2	6104.3	5234.6	4723.4	4395.8
41°	11053.1	10923.0	10714.4	10270.5	9403.7	8398.3	7220.7	6123.6	5269.9	4755.1	4328.9
42°	11042.3	10913.8	10707.7	10268.9	9432.9	8434.2	7261.5	6134.5	5305.1	4754.9	4350.5
43°	11018.1	10903.0	10702.7	10277.2	9467.1	8465.9	7290.2	6169.8	5292.9	4765.9	4344.8
44°	10982.2	10886.3	10693.5	10293.1	9504.6	8499.3	7313.8	6204.5	5294.5	4795.6	4340.0

REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10931.3	10859.6	10679.4	10308.9	9539.7	8543.5	7342.6	6248.4	5324.3	4816.7	4338.7
46°	10872.9	10825.4	10661.0	10318.9	9574.7	8596.9	7371.7	6233.8	5357.6	4679.8	4127.2
47°	10805.3	10787.8	10639.3	10326.4	9609.7	8652.8	7393.6	6195.1	5364.7	4583.2	4072.2
48°	10735.3	10743.6	10615.1	10335.6	9644.0	8705.3	7435.2	6213.6	5360.5	4591.3	4087.7
49°	10660.2	10698.5	10584.2	10338.9	9684.0	8754.6	7482.6	6251.8	5262.5	4620.4	4087.4
50°	10578.4	10651.8	10548.4	10330.6	9714.0	8798.8	7525.0	6278.5	5215.6	4618.7	4062.0
51°	10488.3	10595.1	10505.0	10314.8	9749.1	8836.3	7558.9	6286.6	5224.0	4611.4	3832.5
52°	10384.8	10529.2	10456.6	10300.6	9787.5	8871.4	7556.5	6311.1	5225.2	4446.5	3828.8
53°	10273.0	10449.9	10401.5	10284.7	9820.0	8896.4	7517.3	6323.2	5263.3	4398.7	3856.9
54°	10147.9	10353.1	10345.6	10264.7	9836.7	8919.8	7475.7	6308.7	5262.3	4408.0	3879.0
55°	10006.1	10240.5	10281.4	10239.7	9842.5	8933.9	7469.7	6299.9	5254.7	4403.1	3654.4
56°	9842.5	10106.2	10204.6	10204.6	9842.5	8939.8	7471.3	6279.9	5212.9	4321.8	3605.1
57°	9664.0	9953.5	10113.7	10164.6	9840.0	8949.0	7462.9	6262.4	5134.3	4188.9	3607.1
58°	9464.6	9776.6	10004.4	10119.5	9829.2	8962.3	7430.7	6195.9	5118.1	4230.5	3434.4
59°	9247.7	9577.2	9885.1	10066.1	9813.3	8968.2	7398.0	6165.1	5106.9	4278.6	3333.8
60°	8994.0	9351.9	9741.6	9999.4	9785.0	8960.6	7363.8	6116.3	5086.8	4245.1	3326.0
61°	8672.8	9089.1	9583.9	9914.3	9744.1	8931.4	7311.0	6059.8	5041.4	4112.0	3084.4
62°	8290.3	8770.4	9403.7	9809.2	9694.0	8870.5	7236.5	5995.0	4982.9	4090.4	3063.1
63°	7862.8	8409.2	9200.9	9685.7	9626.4	8771.3	7139.4	5919.0	4967.2	4029.1	2889.0
64°	7440.8	8035.2	8974.0	9548.8	9538.0	8644.4	7026.0	5835.1	4913.3	3955.0	2809.3
65°	7075.2	7670.0	8727.0	9395.3	9435.4	8505.1	6912.5	5765.5	4804.2	3917.2	2611.4
66°	6784.4	7349.6	8456.7	9215.1	9311.1	8378.3	6765.0	5678.0	4807.1	3820.5	2521.2
67°	6594.2	7076.7	8198.0	9013.2	9156.7	8230.4	6593.5	5559.8	4838.2	3782.2	2319.3
68°	6496.4	6874.4	7950.5	8781.3	8973.2	8047.0	6350.1	5425.0	4861.9	3703.7	2151.3
69°	6408.2	6729.3	7721.4	8531.0	8749.6	7811.3	6065.2	5261.2	4750.0	3638.3	1954.7
70°	6169.8	6594.8	7500.3	8259.6	8491.8	7466.4	5625.8	5026.1	4626.2	3575.3	1810.4
71°	5698.7	6365.8	7301.7	7983.4	8192.8	7017.1	5060.2	4701.9	4523.9	3492.7	1707.0
72°	5077.4	5976.5	7113.1	7700.0	7861.7	6486.8	4501.2	4350.2	4389.0	3399.5	1603.7
73°	4461.1	5441.7	6901.5	7423.7	7482.1	5892.3	3998.7	3988.7	4179.7	3298.9	1500.4
74°	3878.5	4848.5	6647.7	7142.5	7043.9	5290.7	3531.4	3625.0	3962.3	3166.2	1403.3
75°	3039.4	4196.0	6320.7	6800.1	6567.9	4653.1	2965.9	3251.4	3733.2	2989.2	1265.7
76°	1909.5	3391.8	5858.6	6405.4	6003.8	3951.4	2163.0	2815.5	3491.1	2771.4	1121.3
77°	902.5	2254.6	5255.2	5858.0	5360.5	2986.8	1360.0	2110.0	3244.7	2459.1	983.3
78°	708.8	1132.7	4514.6	5144.1	4591.0	1880.1	569.1	1404.5	2967.1	2048.5	840.4
79°	524.5	868.9	3530.7	4265.1	3688.0	938.4	259.3	706.1	2522.4	1637.9	712.8
80°	340.3	605.2	2263.9	3190.0	2616.5	698.3	222.4	517.5	1801.7	1227.9	615.9
81°	309.6	341.5	1174.8	2034.2	1518.5	467.9	185.4	329.0	1083.5	906.7	619.7
82°	281.6	301.9	879.6	978.5	683.3	237.5	148.6	145.0	474.5	741.3	577.1
83°	254.9	270.5	597.2	751.5	468.5	200.3	127.4	117.8	359.8	631.7	461.8
84°	227.6	239.8	314.7	528.3	256.6	169.8	106.8	94.5	245.0	501.2	318.3
85°	200.2	209.6	254.8	305.2	206.0	140.9	86.6	74.4	132.2	356.1	227.7
86°	170.6	181.2	204.6	259.4	165.1	111.9	67.1	57.2	109.1	285.7	138.2
87°	141.4	154.0	169.2	207.0	131.5	85.6	48.0	42.5	84.7	215.2	90.3
88°	115.3	127.6	134.7	148.0	101.8	65.0	34.1	30.3	56.2	144.8	61.8
89°	94.4	100.0	98.9	87.7	78.2	44.4	20.2	18.1	39.1	74.4	33.3

REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4	5402.4
1°	5325.4	5325.8	5332.6	5343.9	5360.4	5378.9	5398.6	5400.7	5420.7	5440.6	5458.1
2°	5258.8	5256.5	5266.2	5285.6	5314.1	5348.0	5387.7	5410.0	5450.1	5489.4	5525.1
3°	5200.8	5196.3	5208.5	5234.5	5272.1	5321.7	5379.0	5422.4	5483.7	5544.9	5600.9
4°	5150.2	5144.4	5158.9	5189.2	5237.0	5300.5	5375.1	5438.7	5522.7	5607.4	5683.8
5°	5103.4	5097.5	5113.6	5149.7	5205.1	5282.6	5373.5	5457.8	5564.1	5673.2	5775.0
6°	5064.4	5058.3	5075.7	5113.5	5178.7	5267.1	5376.1	5480.8	5609.7	5744.8	5874.1
7°	5033.0	5025.2	5044.9	5086.1	5153.6	5255.2	5380.1	5505.1	5659.3	5823.0	5980.3
8°	5005.3	4995.8	5017.0	5065.5	5135.7	5244.8	5385.9	5530.7	5712.0	5906.3	6093.0
9°	4979.7	4968.9	4991.8	5045.6	5123.5	5235.1	5391.7	5559.3	5767.5	5995.7	6216.0
10°	4959.1	4947.6	4970.7	5028.8	5113.8	5227.6	5402.0	5592.8	5827.0	6090.2	6345.5
11°	4944.5	4932.6	4955.9	5016.2	5106.6	5226.8	5414.8	5630.4	5893.8	6191.4	6486.0
12°	4913.5	4877.9	4925.0	5008.4	5102.4	5230.6	5417.4	5655.3	5964.7	6297.6	6635.2
13°	4857.2	4822.6	4868.4	5004.0	5100.2	5222.0	5426.0	5685.9	6022.2	6416.5	6795.6
14°	4831.5	4817.6	4842.7	4947.6	5101.6	5219.9	5434.3	5716.8	6087.3	6533.7	6965.9
15°	4834.4	4817.6	4842.9	4910.9	5092.0	5220.5	5452.5	5756.3	6154.0	6645.6	7142.9
16°	4837.8	4821.3	4846.7	4914.6	5085.8	5229.7	5469.6	5803.5	6229.1	6765.4	7328.7
17°	4845.8	4827.3	4855.4	4922.9	5047.7	5235.5	5491.3	5849.9	6319.3	6888.3	7518.6
18°	4851.3	4827.9	4861.4	4934.0	5028.5	5246.5	5522.1	5900.8	6398.9	7023.7	7704.9
19°	4855.1	4828.8	4866.4	4950.4	5021.6	5269.3	5559.3	5963.2	6487.6	7159.6	7880.0
20°	4858.9	4808.7	4872.2	4962.2	5027.6	5296.7	5595.6	6026.3	6580.5	7303.9	8063.3
21°	4759.9	4611.1	4780.3	4963.1	5044.7	5317.7	5625.3	6082.8	6686.4	7439.8	8239.4
22°	4617.7	4560.3	4646.1	4966.1	5066.1	5327.1	5641.5	6133.6	6792.7	7580.8	8403.3
23°	4595.4	4566.0	4623.0	4937.7	5082.2	5315.2	5675.0	6169.7	6895.9	7723.8	8571.0
24°	4604.0	4578.7	4633.6	4772.6	5095.5	5328.5	5717.7	6220.1	6991.4	7864.3	8734.5
25°	4620.0	4596.2	4650.9	4728.3	5108.1	5338.1	5743.4	6284.5	7074.1	8007.4	8890.6
26°	4638.6	4612.0	4671.6	4744.2	5127.8	5345.4	5774.9	6336.2	7159.5	8146.6	9046.6
27°	4654.1	4630.0	4689.7	4757.8	5128.8	5378.5	5821.1	6386.7	7258.0	8284.0	9195.1
28°	4670.3	4597.8	4711.0	4768.7	5038.6	5405.8	5864.2	6452.8	7368.9	8412.5	9344.4
29°	4588.8	4415.2	4624.5	4775.8	4951.5	5414.9	5892.8	6527.3	7477.5	8538.5	9496.3
30°	4435.3	4401.2	4472.6	4790.9	4905.7	5424.4	5918.2	6601.5	7572.9	8652.8	9650.6
31°	4429.7	4425.5	4466.3	4806.1	4899.4	5450.6	5956.0	6665.7	7678.4	8767.1	9806.6
32°	4447.4	4456.0	4484.7	4681.6	4913.0	5476.2	6001.2	6722.3	7798.6	8890.6	9959.3
33°	*4469.6*	*4485.0*	*4507.4*	*4554.3*	*4936.0*	*5480.9*	*6043.9*	*6790.1*	*7923.7*	*9019.9*	*10105.3*
34°	4490.8	4508.6	4526.9	4549.4	4959.1	5499.5	6067.8	6874.1	8037.8	9148.4	10234.7
35°	4507.8	4528.4	4542.7	4555.2	4969.8	5513.0	6108.5	6956.7	8135.5	9273.5	10321.4
36°	4513.9	4285.3	4544.5	4574.8	4971.6	5522.6	6148.6	7033.1	8220.1	9360.3	10359.0
37°	4267.7	4250.5	4292.6	4600.0	4964.2	5511.2	6181.2	7089.2	8293.2	9412.0	10359.8
38°	4216.8	4275.2	4253.1	4608.6	4841.5	5425.4	6209.3	7155.7	8352.4	9432.9	10333.1
39°	4232.5	4304.9	4268.5	4622.2	4777.8	5366.5	6226.4	7224.1	8400.8	9437.9	10299.7
40°	4253.6	4331.0	4284.3	4463.7	4814.8	5349.7	6248.7	7276.3	8437.5	9447.1	10281.4
41°	4255.4	4307.5	4285.6	4406.8	4840.1	5384.4	6254.3	7322.9	8465.9	9467.9	10273.9
42°	4212.8	4039.5	4245.7	4421.9	4836.1	5405.2	6264.4	7363.2	8499.3	9493.8	10285.6
43°	3973.7	4019.6	4012.8	4413.5	4856.7	5382.3	6302.9	7397.0	8536.0	9524.6	10308.1
44°	3953.9	4034.0	3997.7	4409.2	4885.4	5391.6	6343.3	7427.1	8581.9	9558.9	10328.9

REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3974.1	4041.4	4016.4	4408.7	4904.7	5427.4	6386.3	7460.9	8634.4	9592.2	10347.3
46°	3977.2	3926.5	4015.9	4186.4	4763.7	5459.6	6354.0	7485.2	8684.5	9633.1	10365.6
47°	3875.1	3679.5	3903.9	4153.2	4674.6	5476.6	6322.1	7515.7	8735.4	9678.2	10380.7
48°	3663.3	3680.4	3711.0	4164.6	4689.9	5463.3	6349.9	7562.3	8785.4	9721.5	10387.3
49°	3679.1	3685.2	3730.2	4163.3	4720.3	5366.7	6395.9	7602.5	8833.8	9759.1	10383.2
50°	3699.5	3683.3	3752.4	4128.8	4712.3	5341.4	6419.8	7635.7	8876.4	9800.8	10374.8
51°	3711.2	3344.9	3768.6	3910.6	4698.2	5350.9	6431.2	7653.9	8911.4	9836.7	10365.6
52°	3422.9	3311.2	3468.7	3916.7	4526.4	5360.7	6456.4	7628.6	8939.8	9865.9	10354.0
53°	3384.5	3306.6	3435.0	3945.4	4500.4	5394.6	6460.8	7579.0	8965.6	9883.4	10339.8
54°	3376.3	3055.4	3426.1	3966.0	4514.4	5389.7	6445.1	7550.7	8978.2	9889.2	10321.4
55°	3140.7	2902.2	3177.6	3727.8	4511.4	5379.4	6432.0	7547.5	8983.2	9888.4	10300.6
56°	3018.5	2894.9	3068.6	3689.0	4411.7	5333.9	6405.0	7548.5	8985.7	9890.1	10272.2
57°	3015.2	2575.0	3064.2	3692.5	4312.4	5258.5	6376.1	7530.4	8990.7	9883.4	10231.3
58°	2726.2	2500.8	2764.5	3499.7	4356.4	5246.6	6299.5	7484.5	8988.2	9865.1	10173.8
59°	2652.5	2443.1	2698.8	3427.2	4403.4	5229.3	6274.4	7447.5	8979.0	9840.0	10102.8
60°	2529.4	2071.8	2547.4	3411.3	4345.7	5204.2	6201.9	7403.7	8948.1	9805.0	10022.7
61°	2284.5	1886.9	2328.1	3166.2	4226.4	5144.6	6136.2	7345.2	8887.2	9759.1	9934.3
62°	2176.3	1702.1	2183.2	3151.4	4206.3	5089.5	6055.4	7265.5	8787.9	9691.5	9836.7
63°	1960.1	1516.2	1975.6	2948.7	4128.8	5067.4	5967.2	7153.9	8669.5	9605.6	9719.9
64°	1743.9	1229.5	1768.0	2886.2	4063.5	4998.9	5879.0	7040.8	8528.5	9507.1	9577.2
65°	1525.7	948.2	1560.3	2675.7	4016.7	4898.2	5793.6	6907.6	8395.8	9385.3	9407.0
66°	1243.8	708.6	1260.7	2573.6	3918.6	4911.8	5682.0	6726.4	8251.6	9243.5	9217.6
67°	1010.4	471.2	993.0	2388.1	3880.4	4928.4	5536.2	6522.7	8075.8	9078.3	9009.0
68°	739.0	233.9	733.6	2197.4	3783.8	4911.8	5375.6	6247.4	7845.9	8882.2	8784.6
69°	535.3	0.5	514.5	1966.4	3701.9	4749.1	5184.2	5880.5	7546.5	8650.3	8539.3
70°	481.6	0.5	450.6	1825.8	3624.8	4596.5	4904.5	5347.9	7157.7	8381.6	8265.5
71°	428.9	0.4	393.1	1712.9	3524.0	4457.2	4534.3	4748.6	6655.9	8073.6	7971.2
72°	370.5	0.5	334.6	1599.9	3418.7	4289.8	4152.1	4202.8	6073.3	7734.4	7685.9
73°	307.8	0.5	272.0	1486.5	3283.8	4056.7	3795.7	3744.4	5466.0	7319.2	7390.9
74°	251.7	0.5	211.4	1358.6	3096.2	3833.2	3435.9	3232.5	4837.6	6817.0	7074.9
75°	199.2	0.6	173.5	1203.7	2883.6	3607.0	2969.4	2496.5	4168.0	6248.8	6710.6
76°	147.1	0.7	160.5	1065.2	2602.8	3341.4	2265.6	1567.9	3348.1	5622.0	6275.1
77°	113.4	0.8	175.8	934.7	2223.5	3052.0	1561.8	748.5	2313.5	4932.6	5710.8
78°	122.0	0.9	161.9	803.7	1841.8	2655.3	859.9	478.3	1262.8	4105.0	4893.0
79°	165.5	1.0	148.0	702.4	1460.2	1963.9	352.3	220.6	927.9	3165.5	3919.2
80°	170.7	1.2	133.8	646.6	1082.4	1272.5	252.5	187.1	593.1	2075.4	2800.7
81°	154.7	1.4	83.6	598.0	859.3	596.2	153.9	163.4	258.4	1056.7	1663.1
82°	112.5	1.6	46.3	511.5	717.7	443.5	126.5	141.6	218.5	783.7	723.4
83°	70.5	1.8	35.3	374.7	557.1	290.9	104.6	120.7	188.1	512.5	521.0
84°	42.0	2.0	24.4	237.9	370.8	139.8	85.7	100.4	160.2	241.2	340.8
85°	32.1	2.2	13.5	102.3	245.6	114.7	68.3	79.0	131.6	190.4	296.6
86°	22.1	2.4	11.4	60.3	120.9	91.2	52.7	60.6	104.1	152.9	249.4
87°	12.4	2.7	9.8	36.5	64.2	67.3	39.0	42.2	78.9	121.3	196.1
88°	9.7	2.9	8.3	25.8	44.3	46.5	27.5	23.9	58.2	92.0	134.7
89°	6.7	3.2	6.2	15.2	24.5	25.8	16.0	10.5	37.5	71.4	78.2

REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5402.4	5402.4	5402.4
1°	5471.5	5481.5	5484.7
2°	5554.3	5574.7	5580.5
3°	5645.6	5674.9	5685.2
4°	5746.6	5789.9	5803.6
5°	5860.0	5914.7	5933.5
6°	5979.0	6049.8	6074.3
7°	6109.8	6198.4	6229.1
8°	6250.8	6357.1	6392.4
9°	6401.3	6527.8	6573.2
10°	6565.2	6714.4	6768.2
11°	6741.7	6914.4	6975.4
12°	6928.2	7126.3	7198.4
13°	7128.6	7358.4	7443.7
14°	7338.5	7598.7	7699.8
15°	7560.8	7851.5	7964.8
16°	7786.9	8112.9	8235.9
17°	8022.5	8379.1	8505.1
18°	8258.0	8641.1	8771.3
19°	8490.1	8891.4	9032.4
20°	8714.5	9134.2	9285.2
21°	8931.4	9367.0	9522.1
22°	9135.9	9583.9	9746.6
23°	9335.3	9800.0	9959.3
24°	9524.6	10010.2	10162.1
25°	9715.7	10211.3	10351.5
26°	9906.8	10394.0	10518.3
27°	10087.0	10557.5	10664.3
28°	10243.0	10699.4	10805.3
29°	10387.3	10841.2	10947.2
30°	10540.9	11003.1	11119.0
31°	10694.4	11152.4	11260.0
32°	10835.4	11262.5	11366.8
33°	*10934.7*	*11319.3*	*11409.4*
34°	10982.2	11314.3	11386.0
35°	10974.7	11249.2	11308.4
36°	10933.0	11149.9	11204.1
37°	10861.2	11048.1	11112.4
38°	10792.8	10983.0	11072.3
39°	10751.9	10952.2	11059.8
40°	10733.6	10938.0	11056.5
41°	10725.2	10931.3	11053.1
42°	10716.9	10927.1	11042.3
43°	10708.6	10918.8	11018.1
44°	10701.9	10904.6	10982.2

REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10695.2	10877.9	10931.3
46°	10686.9	10843.7	10872.9
47°	10674.3	10805.3	10805.3
48°	10655.2	10761.9	10735.3
49°	10626.8	10716.9	10660.2
50°	10590.9	10671.0	10578.4
51°	10544.2	10620.9	10488.3
52°	10493.3	10557.5	10384.8
53°	10440.7	10479.1	10273.0
54°	10387.3	10382.3	10147.9
55°	10328.1	10268.9	10006.1
56°	10256.3	10134.5	9842.5
57°	10167.1	9984.4	9664.0
58°	10052.8	9802.5	9464.6
59°	9927.6	9602.2	9247.7
60°	9784.1	9382.8	8994.0
61°	9622.3	9130.8	8672.8
62°	9439.5	8825.5	8290.3
63°	9246.0	8469.2	7862.8
64°	9031.6	8083.6	7440.8
65°	8790.4	7721.0	7075.2
66°	8534.3	7401.9	6784.4
67°	8276.9	7137.6	6594.2
68°	8015.9	6928.3	6496.4
69°	7788.8	6774.0	6408.2
70°	7595.9	6636.8	6169.8
71°	7396.1	6423.7	5698.7
72°	7177.0	6041.1	5077.4
73°	6960.9	5503.2	4461.1
74°	6709.0	4898.5	3878.5
75°	6325.9	4238.1	3039.4
76°	5817.9	3426.7	1909.5
77°	5229.8	2367.1	902.5
78°	4503.5	1267.1	708.8
79°	3486.8	954.6	524.5
80°	2159.2	653.2	340.3
81°	1090.3	351.9	309.6
82°	816.9	306.3	281.6
83°	567.6	276.4	254.9
84°	318.3	244.6	227.6
85°	250.7	212.1	200.2
86°	203.9	181.9	170.6
87°	167.8	154.1	141.4
88°	133.2	126.7	115.3
89°	95.7	99.0	94.4

REPORT NUMBER: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1436808
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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: P1436808
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)