

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: P1436832

Luminaire Tested: XAS300-SFPM (5000K-240W-T3-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436832
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 (5000K-240W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 31758 lumens
Efficiency: 82.1%
Efficacy: 128.1 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

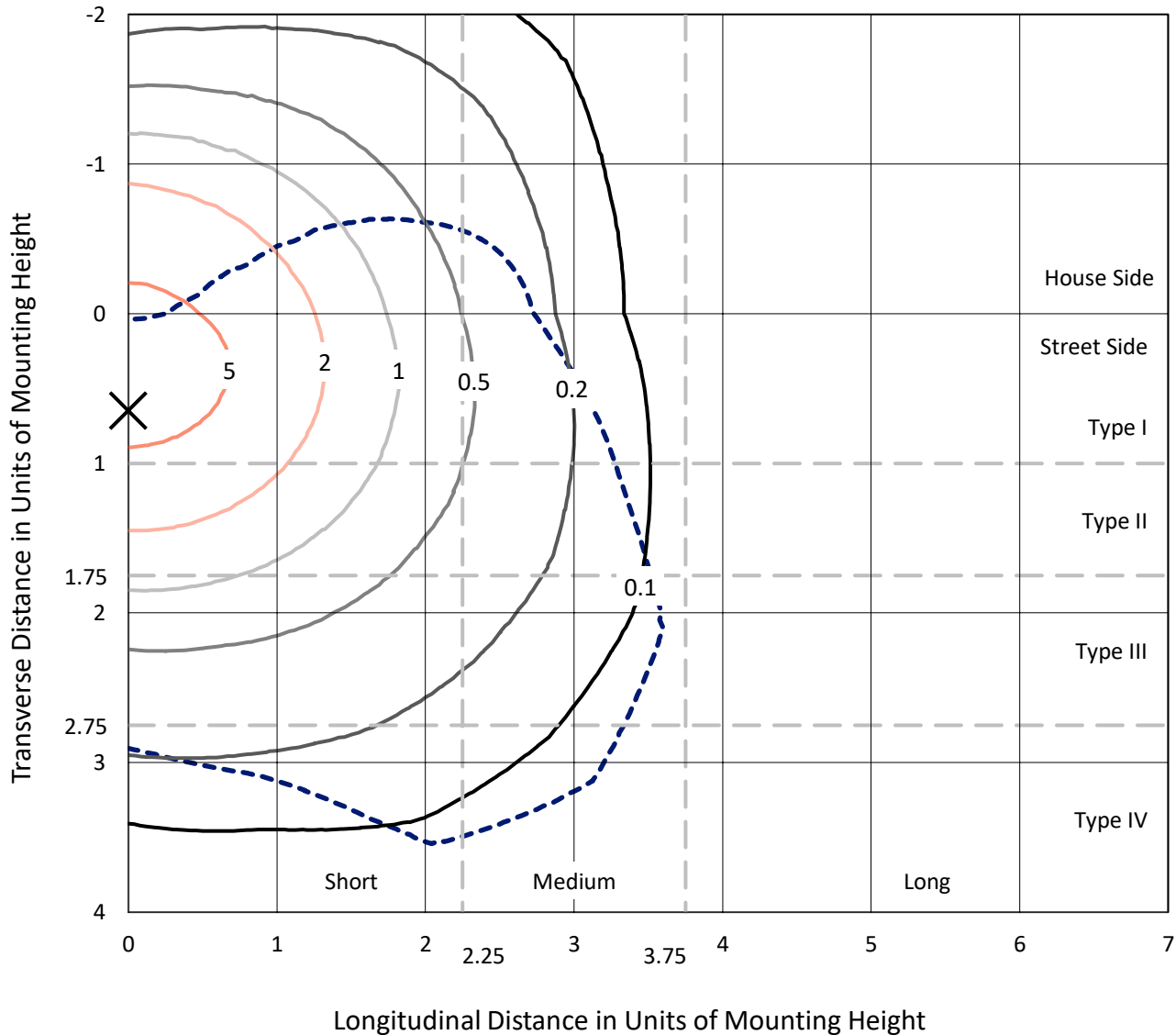
Input Watts (W): 248
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

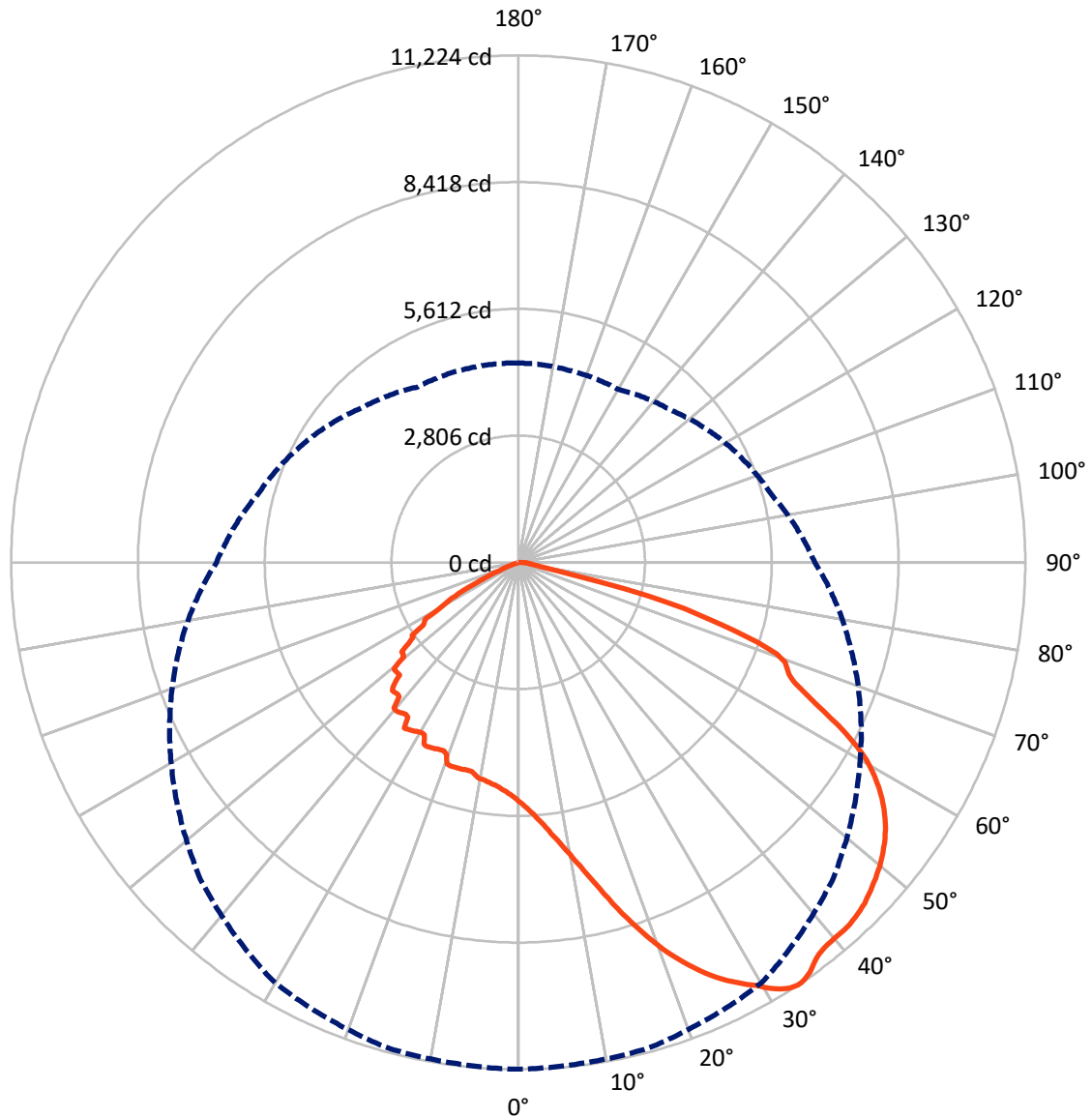


Based on 30 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

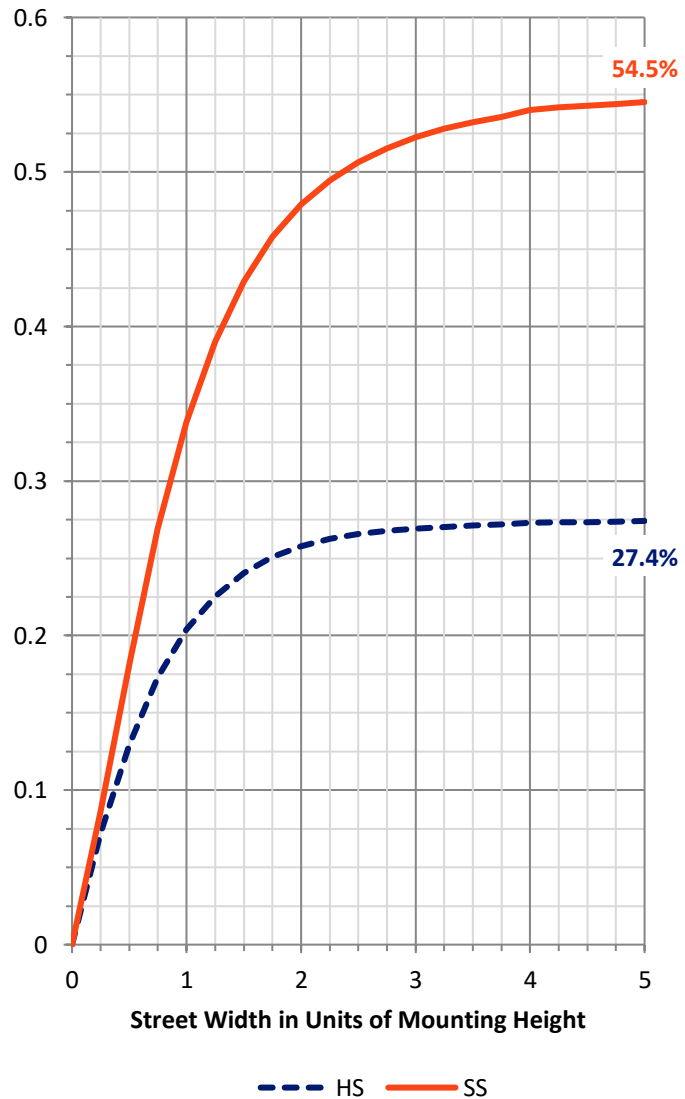
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10664.3	0.0	10664.3
	% Lamp	27.6	0.0	27.6
Street Side	Lumens	21093.7	0.0	21093.7
	% Lamp	54.5	0.0	54.5
Total	Lumens	31758.0	0.0	31758.0
	% Lamp	82.1	0.0	82.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	522.3	1.6	1.3
10°-20°	1711.8	5.4	4.4
20°-30°	3154.3	9.9	8.2
30°-40°	4600.0	14.5	11.9
40°-50°	5677.6	17.9	14.7
50°-60°	6341.1	20.0	16.4
60°-70°	5939.4	18.7	15.3
70°-80°	3522.2	11.1	9.1
80°-90°	289.2	0.9	0.7
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°	31758.0	100.0	82.1
0°-180°	31758.0	100.0	82.1

Coefficient of Utilization



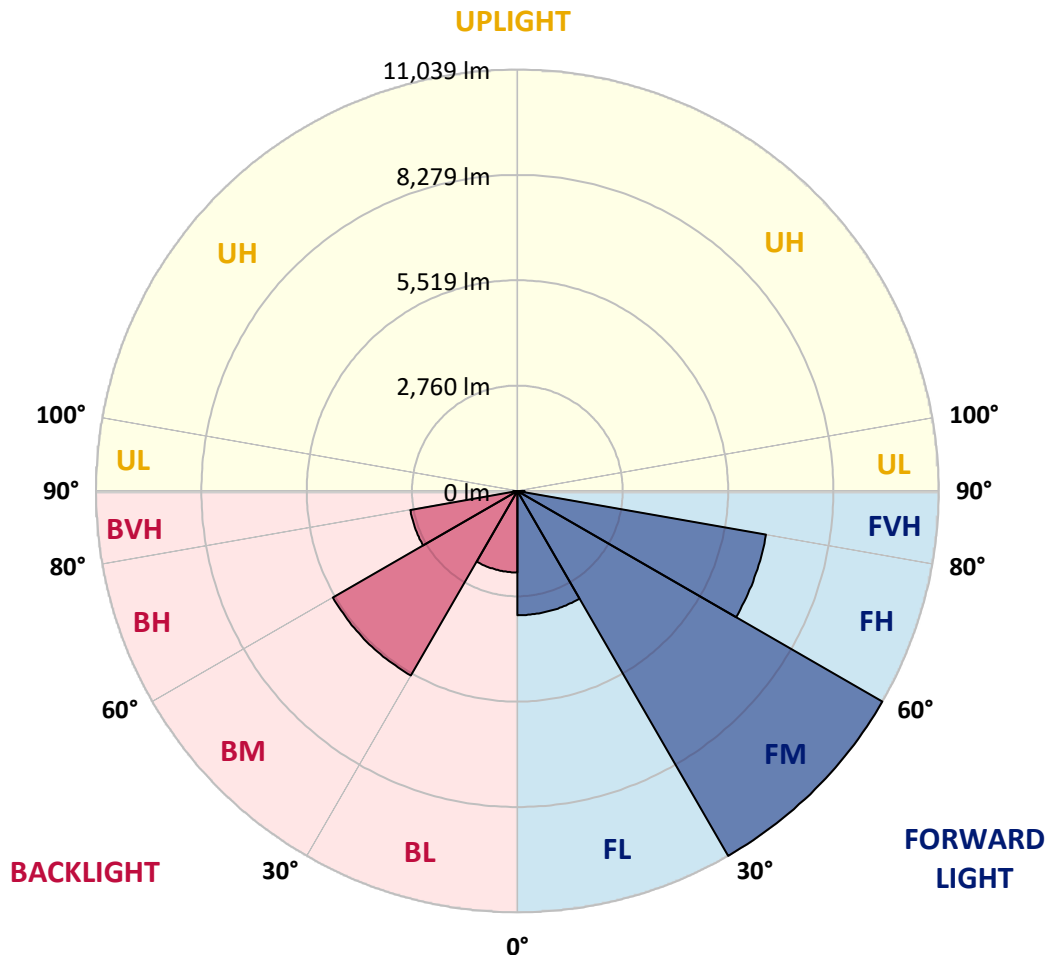
REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3254.8	8.4			
FM (30°-60°)	11038.7	28.5			
FH (60°-80°)	6612.6	17.1			G3/7500
FVH (80°-90°)	187.6	0.5			G2/225
BL (0°-30°)	2133.6	5.5	B3/2500		
BM (30°-60°)	5580.0	14.4	B4/8500		
BH (60°-80°)	2849.1	7.4	B4/5000		G4/5000
BVH (80°-90°)	101.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	6937.0	17.9			

BUG Rating: B4-U0-G4
 Type IV Short





REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4
1°	5395.3	5395.7	5389.2	5378.8	5364.6	5344.8	5306.5	5286.5	5268.0	5254.2	5243.4
2°	5489.6	5485.9	5467.8	5440.8	5408.1	5368.1	5308.8	5269.0	5233.2	5204.2	5182.9
3°	5592.6	5584.9	5555.7	5512.6	5457.5	5395.9	5315.4	5256.1	5203.9	5160.7	5131.5
4°	5709.1	5695.6	5654.4	5593.0	5514.9	5431.0	5327.7	5248.6	5178.2	5123.3	5085.9
5°	5836.9	5817.9	5761.1	5679.4	5579.7	5471.1	5345.8	5246.2	5159.5	5092.4	5046.8
6°	5975.3	5950.5	5880.5	5776.7	5650.3	5513.8	5365.3	5247.3	5144.5	5065.4	5010.0
7°	6127.7	6098.4	6010.0	5882.5	5725.4	5559.2	5386.3	5249.2	5132.9	5041.9	4981.9
8°	6288.3	6252.6	6150.0	5995.5	5806.4	5609.5	5411.0	5254.1	5123.2	5023.9	4960.7
9°	6466.1	6421.6	6301.2	6116.6	5893.9	5664.1	5439.0	5260.4	5114.4	5012.7	4942.4
10°	6657.9	6605.8	6461.9	6246.1	5987.0	5721.8	5467.5	5268.0	5106.8	5003.8	4927.3
11°	6861.7	6801.4	6637.0	6386.7	6085.4	5784.0	5500.2	5278.8	5104.2	4996.8	4914.8
12°	7081.1	7011.2	6821.0	6534.0	6188.7	5849.6	5522.5	5280.2	5107.0	4991.3	4907.9
13°	7322.4	7238.0	7017.4	6691.7	6299.7	5904.6	5547.5	5283.0	5097.2	4987.8	4900.8
14°	7574.4	7476.3	7221.5	6855.2	6417.3	5964.4	5577.5	5287.0	5091.3	4988.5	4848.0
15°	7835.0	7727.0	7437.1	7022.6	6525.9	6028.1	5611.6	5298.9	5086.0	4977.7	4815.1
16°	8101.8	7976.0	7658.1	7199.1	6642.8	6098.8	5658.1	5320.4	5088.0	4960.3	4816.0
17°	8366.5	8232.8	7881.0	7379.5	6762.8	6177.2	5699.7	5336.0	5095.0	4919.8	4822.5
18°	8628.4	8483.1	8105.2	7563.4	6880.9	6261.9	5746.7	5358.6	5101.1	4895.7	4831.5
19°	8885.3	8728.5	8328.0	7743.1	7009.5	6342.6	5802.8	5392.7	5114.8	4895.2	4844.7
20°	9133.9	8969.8	8543.8	7905.3	7137.6	6428.6	5863.4	5430.0	5137.5	4899.3	4855.9
21°	9367.0	9200.4	8753.1	8080.9	7274.2	6523.6	5923.4	5459.9	5159.0	4906.8	4857.3
22°	9587.8	9418.7	8954.2	8239.3	7400.4	6624.8	5973.6	5471.2	5165.0	4926.4	4856.4
23°	9797.1	9631.3	9152.0	8395.3	7533.4	6728.2	6004.6	5491.5	5144.9	4945.2	4816.3
24°	9996.5	9831.6	9343.2	8550.4	7664.6	6821.4	6045.5	5528.4	5150.8	4954.3	4655.7
25°	10182.8	10027.7	9529.5	8706.3	7794.5	6905.7	6102.4	5550.0	5156.0	4964.1	4599.8
26°	10347.0	10199.2	9710.9	8854.9	7927.3	6977.9	6158.4	5572.8	5162.4	4980.2	4608.2
27°	10490.6	10355.2	9883.3	9000.2	8059.3	7060.6	6199.4	5610.8	5191.0	4982.3	4621.5
28°	10629.3	10495.5	10045.8	9143.0	8188.7	7158.1	6255.1	5649.5	5219.3	4887.8	4630.2
29°	10768.8	10637.5	10192.7	9276.7	8306.6	7262.8	6325.8	5681.0	5230.7	4797.8	4637.1
30°	10937.9	10799.2	10338.8	9414.6	8419.1	7353.5	6398.0	5699.8	5237.2	4755.0	4646.2
31°	11076.6	10947.8	10491.4	9564.8	8509.4	7442.4	6462.9	5725.8	5259.9	4746.0	4659.6
32°	11181.7	11065.1	10634.2	9721.6	8614.4	7535.1	6515.5	5764.6	5286.0	4751.3	4549.5
33°	11223.5	11133.2	10758.2	9869.3	8739.2	7638.1	6567.7	5800.6	5289.9	4769.9	4422.4
34°	11200.5	11125.8	10830.4	10004.7	8870.5	7748.0	6633.4	5822.5	5307.0	4791.1	4412.8
35°	11124.2	11062.7	10829.6	10105.7	8995.2	7859.7	6708.4	5855.3	5322.1	4806.0	4419.3
36°	11021.6	10970.7	10775.4	10169.7	9106.0	7963.4	6781.5	5895.3	5333.3	4809.7	4434.9
37°	10931.3	10867.3	10697.4	10181.2	9179.1	8042.9	6836.2	5925.0	5325.9	4804.7	4462.1
38°	10891.9	10801.7	10623.6	10159.0	9224.2	8116.3	6894.4	5952.3	5236.4	4683.0	4474.6
39°	10879.6	10770.5	10574.3	10128.7	9239.0	8180.2	6972.5	5978.1	5169.5	4616.5	4479.6
40°	10876.3	10754.1	10551.3	10109.8	9237.3	8226.2	7046.5	6004.9	5149.3	4646.5	4324.2
41°	10873.1	10745.0	10539.8	10103.2	9250.5	8261.5	7103.0	6023.8	5184.1	4677.6	4258.4
42°	10862.4	10736.0	10533.3	10101.6	9279.2	8296.8	7143.2	6034.5	5218.6	4677.4	4279.6
43°	10838.6	10725.3	10528.4	10109.8	9312.9	8328.0	7171.4	6069.3	5206.6	4688.3	4274.0
44°	10803.3	10708.9	10519.3	10125.4	9349.8	8360.8	7194.6	6103.4	5208.3	4717.5	4269.3

REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10753.2	10682.7	10505.4	10141.0	9384.3	8404.3	7222.9	6146.6	5237.6	4738.3	4268.0
46°	10695.8	10649.0	10487.3	10150.8	9418.7	8456.8	7251.6	6132.3	5270.3	4603.6	4060.0
47°	10629.3	10612.1	10466.0	10158.2	9453.2	8511.8	7273.2	6094.2	5277.3	4508.5	4005.8
48°	10560.4	10568.6	10442.2	10167.2	9486.8	8563.5	7314.1	6112.4	5273.2	4516.5	4021.1
49°	10486.5	10524.3	10411.8	10170.5	9526.2	8611.9	7360.7	6149.9	5176.8	4545.1	4020.8
50°	10406.1	10478.3	10376.5	10162.3	9555.8	8655.4	7402.4	6176.3	5130.6	4543.4	3995.8
51°	10317.4	10422.5	10333.8	10146.7	9590.3	8692.4	7435.8	6184.1	5138.9	4536.3	3770.0
52°	10215.7	10357.6	10286.2	10132.8	9628.0	8726.8	7433.4	6208.3	5140.1	4374.1	3766.4
53°	10105.7	10279.7	10232.1	10117.2	9660.0	8751.5	7394.8	6220.2	5177.6	4327.1	3794.1
54°	9982.6	10184.5	10177.1	10097.5	9676.4	8774.5	7353.9	6205.9	5176.6	4336.2	3815.8
55°	9843.0	10073.7	10113.9	10072.9	9682.2	8788.4	7348.0	6197.3	5169.1	4331.4	3594.9
56°	9682.2	9941.5	10038.4	10038.4	9682.2	8794.1	7349.6	6177.6	5127.9	4251.4	3546.4
57°	9506.5	9791.3	9948.9	9999.0	9679.7	8803.2	7341.4	6160.3	5050.6	4120.7	3548.4
58°	9310.4	9617.3	9841.4	9954.7	9669.0	8816.3	7309.6	6095.0	5034.7	4161.6	3378.5
59°	9097.0	9421.2	9724.0	9902.1	9653.5	8822.1	7277.5	6064.6	5023.7	4208.9	3279.5
60°	8847.5	9199.6	9582.9	9836.5	9625.6	8814.7	7243.9	6016.6	5003.9	4176.0	3271.8
61°	8531.5	8941.1	9427.8	9752.8	9585.3	8785.9	7191.9	5961.1	4959.3	4045.0	3034.2
62°	8155.2	8627.5	9250.5	9649.4	9536.1	8726.0	7118.6	5897.4	4901.7	4023.8	3013.2
63°	7734.7	8272.2	9051.0	9527.9	9469.6	8628.4	7023.1	5822.6	4886.3	3963.5	2842.0
64°	7319.6	7904.3	8827.8	9393.3	9382.6	8503.6	6911.6	5740.0	4833.2	3890.6	2763.6
65°	6960.0	7545.1	8584.9	9242.3	9281.7	8366.5	6799.9	5671.6	4725.9	3853.3	2568.9
66°	6673.9	7229.9	8318.9	9065.0	9159.4	8241.8	6654.8	5585.5	4728.8	3758.2	2480.2
67°	6486.8	6961.5	8064.4	8866.4	9007.5	8096.4	6486.1	5469.2	4759.3	3720.6	2281.5
68°	6390.6	6762.4	7821.0	8638.2	8827.0	7915.9	6246.7	5336.6	4782.7	3643.4	2116.3
69°	6303.8	6619.7	7595.6	8392.0	8607.0	7684.0	5966.4	5175.5	4672.6	3579.1	1922.9
70°	6069.3	6487.4	7378.1	8125.0	8353.4	7344.7	5534.1	4944.2	4550.9	3517.1	1780.9
71°	5605.8	6262.1	7182.7	7853.3	8059.3	6902.8	4977.7	4625.3	4450.2	3435.8	1679.2
72°	4994.6	5879.2	6997.2	7574.5	7733.6	6381.1	4427.9	4279.3	4317.5	3344.2	1577.5
73°	4388.5	5353.1	6789.1	7302.7	7360.2	5796.3	3933.6	3923.7	4111.6	3245.2	1475.9
74°	3815.3	4769.5	6539.4	7026.1	6929.2	5204.5	3473.8	3565.9	3897.7	3114.6	1380.4
75°	2989.9	4127.6	6217.7	6689.3	6460.9	4577.3	2917.6	3198.4	3672.4	2940.5	1245.1
76°	1878.4	3336.5	5763.2	6301.1	5906.0	3887.1	2127.7	2769.6	3434.2	2726.2	1103.1
77°	887.8	2217.9	5169.5	5762.5	5273.1	2938.1	1337.9	2075.6	3191.8	2419.0	967.2
78°	697.3	1114.2	4441.1	5060.3	4516.2	1849.5	559.8	1381.6	2918.8	2015.1	826.7
79°	516.0	854.7	3473.2	4195.6	3628.0	923.1	255.1	694.6	2481.3	1611.3	701.2
80°	334.7	595.3	2227.1	3138.0	2573.9	687.0	218.7	509.1	1772.4	1207.9	605.8
81°	304.6	336.0	1155.7	2001.1	1493.7	460.3	182.4	323.6	1065.8	892.0	609.6
82°	277.0	296.9	865.3	962.6	672.2	233.6	146.2	142.7	466.8	729.2	567.7
83°	250.8	266.0	587.5	739.2	460.9	197.1	125.3	115.8	353.9	621.4	454.3
84°	223.9	235.9	309.6	519.7	252.4	167.0	105.1	93.0	241.1	493.1	313.1
85°	196.9	206.2	250.6	300.2	202.6	138.6	85.2	73.2	130.1	350.3	224.0
86°	167.8	178.3	201.3	255.2	162.4	110.1	66.0	56.3	107.3	281.0	135.9
87°	139.1	151.4	166.5	203.7	129.3	84.2	47.2	41.8	83.3	211.7	88.9
88°	113.4	125.5	132.5	145.6	100.1	63.9	33.5	29.8	55.3	142.5	60.8
89°	92.8	98.3	97.3	86.2	76.9	43.7	19.8	17.8	38.5	73.2	32.7



REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4	5314.4
1°	5238.7	5239.1	5245.7	5256.9	5273.0	5291.3	5310.6	5312.7	5332.4	5352.0	5369.2
2°	5173.2	5170.9	5180.4	5199.5	5227.5	5260.9	5300.0	5321.9	5361.3	5400.0	5435.1
3°	5116.1	5111.7	5123.7	5149.2	5186.2	5235.0	5291.3	5334.0	5394.3	5454.6	5509.7
4°	5066.3	5060.6	5074.8	5104.6	5151.7	5214.1	5287.6	5350.1	5432.8	5516.1	5591.2
5°	5020.3	5014.4	5030.3	5065.8	5120.3	5196.5	5285.9	5368.9	5473.5	5580.8	5680.9
6°	4981.9	4975.9	4993.0	5030.2	5094.3	5181.3	5288.5	5391.6	5518.4	5651.2	5778.4
7°	4951.0	4943.4	4962.7	5003.3	5069.7	5169.6	5292.5	5415.4	5567.1	5728.1	5882.8
8°	4923.7	4914.4	4935.3	4983.0	5052.0	5159.4	5298.2	5440.6	5618.9	5810.0	5993.7
9°	4898.5	4888.0	4910.5	4963.4	5040.0	5149.9	5303.8	5468.7	5673.6	5898.0	6114.8
10°	4878.3	4867.0	4889.8	4946.9	5030.5	5142.5	5314.0	5501.7	5732.1	5990.9	6242.2
11°	4863.9	4852.3	4875.2	4934.5	5023.4	5141.6	5326.6	5538.6	5797.8	6090.6	6380.3
12°	4833.5	4798.4	4844.8	4926.8	5019.3	5145.4	5329.1	5563.2	5867.5	6195.1	6527.1
13°	4778.1	4744.0	4789.1	4922.5	5017.1	5137.0	5337.6	5593.3	5924.1	6312.0	6684.9
14°	4752.8	4739.1	4763.8	4867.0	5018.5	5134.8	5345.8	5623.7	5988.1	6427.2	6852.4
15°	4755.7	4739.2	4764.0	4830.9	5009.1	5135.5	5363.7	5662.5	6053.7	6537.4	7026.5
16°	4759.0	4742.8	4767.7	4834.5	5002.9	5144.5	5380.5	5708.9	6127.6	6655.2	7209.3
17°	4766.9	4748.7	4776.3	4842.7	4965.4	5150.2	5401.8	5754.6	6216.4	6776.0	7396.1
18°	4772.3	4749.3	4782.2	4853.6	4946.6	5161.0	5432.1	5804.7	6294.7	6909.3	7579.4
19°	4776.0	4750.2	4787.2	4869.7	4939.8	5183.5	5468.7	5866.0	6381.9	7043.0	7751.7
20°	4779.8	4730.4	4792.8	4881.4	4945.7	5210.4	5504.5	5928.2	6473.3	7184.9	7932.0
21°	4682.4	4535.9	4702.5	4882.2	4962.6	5231.1	5533.7	5983.7	6577.5	7318.6	8105.1
22°	4542.5	4486.0	4570.4	4885.2	4983.6	5240.3	5549.6	6033.7	6682.0	7457.3	8266.4
23°	4520.5	4491.6	4547.7	4857.3	4999.4	5228.6	5582.5	6069.2	6783.6	7598.0	8431.4
24°	4529.0	4504.1	4558.1	4694.8	5012.5	5241.7	5624.6	6118.8	6877.5	7736.1	8592.2
25°	4544.7	4521.3	4575.1	4651.3	5024.9	5251.1	5649.8	6182.2	6958.8	7877.0	8745.7
26°	4563.0	4536.8	4595.5	4666.9	5044.3	5258.4	5680.8	6233.0	7042.9	8013.9	8899.2
27°	4578.3	4554.6	4613.3	4680.3	5045.3	5290.9	5726.3	6282.6	7139.7	8149.1	9045.3
28°	4594.2	4522.9	4634.3	4691.1	4956.5	5317.8	5768.7	6347.7	7248.9	8275.4	9192.2
29°	4514.0	4343.2	4549.2	4698.0	4870.8	5326.7	5796.8	6421.0	7355.7	8399.4	9341.6
30°	4363.0	4329.5	4399.8	4712.9	4825.8	5336.0	5821.8	6494.0	7449.5	8511.8	9493.4
31°	4357.5	4353.4	4393.5	4727.8	4819.6	5361.8	5859.0	6557.1	7553.3	8624.3	9646.9
32°	4375.0	4383.5	4411.7	4605.3	4833.0	5387.0	5903.4	6612.8	7671.6	8745.7	9797.1
33°	4396.7	4411.9	4433.9	4480.1	4855.6	5391.6	5945.5	6679.4	7794.6	8872.9	9940.7
34°	4417.7	4435.2	4453.1	4475.3	4878.3	5409.9	5968.9	6762.1	7906.9	8999.3	10067.9
35°	4434.3	4454.6	4468.7	4481.0	4888.9	5423.2	6009.0	6843.3	8003.0	9122.4	10153.3
36°	4440.4	4215.5	4470.4	4500.2	4890.6	5432.6	6048.4	6918.5	8086.2	9207.8	10190.2
37°	4198.2	4181.2	4222.7	4525.1	4883.4	5421.4	6080.5	6973.7	8158.1	9258.7	10191.0
38°	4148.1	4205.5	4183.8	4533.5	4762.6	5337.1	6108.1	7039.2	8216.4	9279.2	10164.8
39°	4163.6	4234.8	4198.9	4546.9	4699.9	5279.1	6125.0	7106.4	8264.0	9284.1	10131.9
40°	4184.3	4260.4	4214.5	4391.0	4736.4	5262.5	6146.9	7157.8	8300.1	9293.2	10113.9
41°	4186.1	4237.4	4215.8	4335.0	4761.2	5296.7	6152.4	7203.7	8328.0	9313.7	10106.5
42°	4144.2	3973.7	4176.5	4349.9	4757.3	5317.1	6162.3	7243.3	8360.8	9339.1	10118.0
43°	3909.0	3954.1	3947.4	4341.6	4777.6	5294.6	6200.2	7276.5	8396.9	9369.5	10140.2
44°	3889.5	3968.3	3932.6	4337.4	4805.8	5303.7	6239.9	7306.1	8442.1	9403.1	10160.7

REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3909.3	3975.5	3950.9	4336.8	4824.8	5338.9	6282.2	7339.4	8493.8	9436.0	10178.7
46°	3912.4	3862.5	3950.4	4118.2	4686.1	5370.6	6250.5	7363.3	8543.0	9476.2	10196.8
47°	3812.0	3619.6	3840.3	4085.5	4598.4	5387.4	6219.1	7393.2	8593.1	9520.5	10211.6
48°	3603.6	3620.4	3650.5	4096.8	4613.5	5374.3	6246.4	7439.1	8642.3	9563.2	10218.1
49°	3619.2	3625.2	3669.4	4095.5	4643.4	5279.3	6291.7	7478.7	8689.9	9600.1	10214.0
50°	3639.2	3623.3	3691.2	4061.6	4635.6	5254.4	6315.2	7511.3	8731.8	9641.1	10205.8
51°	3650.7	3290.4	3707.2	3846.9	4621.6	5263.7	6326.5	7529.2	8766.2	9676.4	10196.8
52°	3367.1	3257.2	3412.2	3852.8	4452.6	5273.4	6351.2	7504.4	8794.1	9705.2	10185.3
53°	3329.4	3252.7	3379.0	3881.2	4427.1	5306.7	6355.5	7455.5	8819.6	9722.4	10171.3
54°	3321.3	3005.6	3370.3	3901.4	4440.9	5301.9	6340.1	7427.7	8831.9	9728.1	10153.3
55°	3089.6	2854.9	3125.8	3667.1	4437.9	5291.8	6327.2	7424.6	8836.8	9727.3	10132.8
56°	2969.3	2847.8	3018.7	3629.0	4339.8	5247.0	6300.7	7425.6	8839.3	9729.0	10104.9
57°	2966.0	2533.0	3014.3	3632.3	4242.1	5172.8	6272.2	7407.7	8844.2	9722.4	10064.6
58°	2681.7	2460.1	2719.4	3442.6	4285.5	5161.1	6196.9	7362.5	8841.8	9704.3	10008.0
59°	2609.3	2403.3	2654.8	3371.4	4331.7	5144.1	6172.2	7326.2	8832.7	9679.7	9938.2
60°	2488.2	2038.0	2505.9	3355.7	4274.9	5119.4	6100.9	7283.1	8802.4	9645.2	9859.5
61°	2247.2	1856.2	2290.2	3114.6	4157.6	5060.8	6036.2	7225.6	8742.4	9600.1	9772.5
62°	2140.9	1674.4	2147.6	3100.1	4137.8	5006.6	5956.7	7147.2	8644.8	9533.6	9676.4
63°	1928.1	1491.5	1943.4	2900.6	4061.6	4984.9	5870.0	7037.4	8528.2	9449.1	9561.5
64°	1715.5	1209.5	1739.2	2839.2	3997.3	4917.4	5783.2	6926.1	8389.5	9352.2	9421.2
65°	1500.9	932.8	1534.9	2632.1	3951.3	4818.4	5699.2	6795.1	8259.0	9232.4	9253.8
66°	1223.5	697.0	1240.2	2531.6	3854.7	4831.8	5589.4	6616.8	8117.1	9092.9	9067.5
67°	993.9	463.5	976.8	2349.2	3817.1	4848.1	5446.0	6416.4	7944.3	8930.4	8862.3
68°	727.0	230.1	721.6	2161.6	3722.2	4831.8	5288.0	6145.6	7718.1	8737.5	8641.5
69°	526.5	0.5	506.2	1934.4	3641.6	4671.7	5099.7	5784.7	7423.5	8509.4	8400.2
70°	473.8	0.4	443.3	1796.1	3565.8	4521.6	4824.6	5260.7	7041.1	8245.1	8130.8
71°	421.9	0.4	386.7	1685.0	3466.6	4384.6	4460.4	4671.3	6547.5	7942.1	7841.4
72°	364.4	0.4	329.2	1573.8	3363.0	4220.0	4084.5	4134.4	5974.4	7608.4	7560.7
73°	302.8	0.5	267.6	1462.3	3230.3	3990.6	3733.8	3683.4	5376.9	7200.0	7270.5
74°	247.6	0.5	207.9	1336.5	3045.7	3770.8	3379.9	3179.8	4758.8	6706.0	6959.6
75°	196.0	0.6	170.7	1184.1	2836.6	3548.2	2921.1	2455.8	4100.1	6147.0	6601.3
76°	144.7	0.7	157.9	1047.8	2560.4	3287.0	2228.7	1542.3	3293.5	5530.4	6172.9
77°	111.6	0.8	172.9	919.5	2187.3	3002.2	1536.3	736.3	2275.8	4852.3	5617.7
78°	120.0	0.9	159.2	790.6	1811.8	2612.1	845.9	470.5	1242.3	4038.2	4813.3
79°	162.8	1.0	145.6	691.0	1436.4	1931.9	346.6	217.0	912.8	3113.9	3855.4
80°	167.9	1.2	131.7	636.1	1064.7	1251.8	248.4	184.1	583.5	2041.6	2755.1
81°	152.1	1.4	82.3	588.3	845.3	586.4	151.4	160.7	254.1	1039.5	1636.0
82°	110.6	1.5	45.6	503.1	706.0	436.3	124.4	139.3	214.9	771.0	711.6
83°	69.3	1.7	34.8	368.6	548.0	286.1	102.9	118.7	185.1	504.1	512.5
84°	41.3	1.9	24.0	234.0	364.7	137.5	84.3	98.7	157.6	237.3	335.2
85°	31.5	2.2	13.3	100.6	241.6	112.9	67.2	77.7	129.5	187.3	291.8
86°	21.8	2.4	11.2	59.3	118.9	89.8	51.9	59.6	102.5	150.4	245.3
87°	12.2	2.6	9.7	35.9	63.1	66.2	38.3	41.5	77.6	119.3	192.9
88°	9.6	2.9	8.2	25.4	43.6	45.8	27.0	23.5	57.2	90.5	132.5
89°	6.6	3.1	6.1	14.9	24.1	25.4	15.8	10.3	36.8	70.2	76.9



REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5314.4	5314.4	5314.4
1°	5382.4	5392.2	5395.3
2°	5463.9	5483.9	5489.6
3°	5553.7	5582.5	5592.6
4°	5653.0	5695.6	5709.1
5°	5764.5	5818.3	5836.9
6°	5881.6	5951.2	5975.3
7°	6010.2	6097.4	6127.7
8°	6149.0	6253.5	6288.3
9°	6297.0	6421.4	6466.1
10°	6458.3	6605.0	6657.9
11°	6631.8	6801.7	6861.7
12°	6815.4	7010.2	7081.1
13°	7012.5	7238.5	7322.4
14°	7219.0	7474.9	7574.4
15°	7437.6	7723.6	7835.0
16°	7660.1	7980.7	8101.8
17°	7891.8	8242.6	8366.5
18°	8123.4	8500.3	8628.4
19°	8351.8	8746.5	8885.3
20°	8572.6	8985.4	9133.9
21°	8785.9	9214.4	9367.0
22°	8987.0	9427.8	9587.8
23°	9183.2	9640.3	9797.1
24°	9369.5	9847.1	9996.5
25°	9557.4	10044.9	10182.8
26°	9745.4	10224.7	10347.0
27°	9922.7	10385.5	10490.6
28°	10076.1	10525.1	10629.3
29°	10218.1	10664.6	10768.8
30°	10369.1	10823.8	10937.9
31°	10520.1	10970.7	11076.6
32°	10658.9	11079.1	11181.7
33°	10756.5	11134.9	11223.5
34°	10803.3	11130.0	11200.5
35°	10795.9	11065.9	11124.2
36°	10754.9	10968.3	11021.6
37°	10684.3	10868.1	10931.3
38°	10617.0	10804.1	10891.9
39°	10576.8	10773.8	10879.6
40°	10558.7	10759.8	10876.3
41°	10550.5	10753.2	10873.1
42°	10542.3	10749.1	10862.4
43°	10534.1	10740.9	10838.6
44°	10527.5	10727.0	10803.3



REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10521.0	10700.7	10753.2
46°	10512.8	10667.1	10695.8
47°	10500.5	10629.3	10629.3
48°	10481.6	10586.6	10560.4
49°	10453.7	10542.3	10486.5
50°	10418.4	10497.2	10406.1
51°	10372.4	10447.9	10317.4
52°	10322.4	10385.5	10215.7
53°	10270.6	10308.4	10105.7
54°	10218.1	10213.2	9982.6
55°	10159.8	10101.6	9843.0
56°	10089.3	9969.4	9682.2
57°	10001.4	9821.7	9506.5
58°	9889.0	9642.8	9310.4
59°	9765.9	9445.8	9097.0
60°	9624.7	9230.0	8847.5
61°	9465.5	8982.1	8531.5
62°	9285.8	8681.7	8155.2
63°	9095.4	8331.3	7734.7
64°	8884.4	7951.9	7319.6
65°	8647.2	7595.2	6960.0
66°	8395.3	7281.3	6673.9
67°	8142.1	7021.3	6486.8
68°	7885.4	6815.4	6390.6
69°	7661.9	6663.7	6303.8
70°	7472.2	6528.7	6069.3
71°	7275.6	6319.1	5605.8
72°	7060.1	5942.7	4994.6
73°	6847.5	5413.6	4388.5
74°	6599.7	4818.7	3815.3
75°	6222.9	4169.1	2989.9
76°	5723.1	3370.9	1878.4
77°	5144.6	2328.6	887.8
78°	4430.1	1246.4	697.3
79°	3430.0	939.1	516.0
80°	2124.1	642.6	334.7
81°	1072.5	346.1	304.6
82°	803.6	301.4	277.0
83°	558.4	271.9	250.8
84°	313.1	240.6	223.9
85°	246.6	208.6	196.9
86°	200.6	179.0	167.8
87°	165.0	151.5	139.1
88°	131.1	124.6	113.4
89°	94.1	97.4	92.8



REPORT NUMBER: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-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: P1436832

CATALOG NUMBER: XAS300-SFPM (5000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)