

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: P1436809

Luminaire Tested: XAS300-SFPM (4000K-240W-T4)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436809
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-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

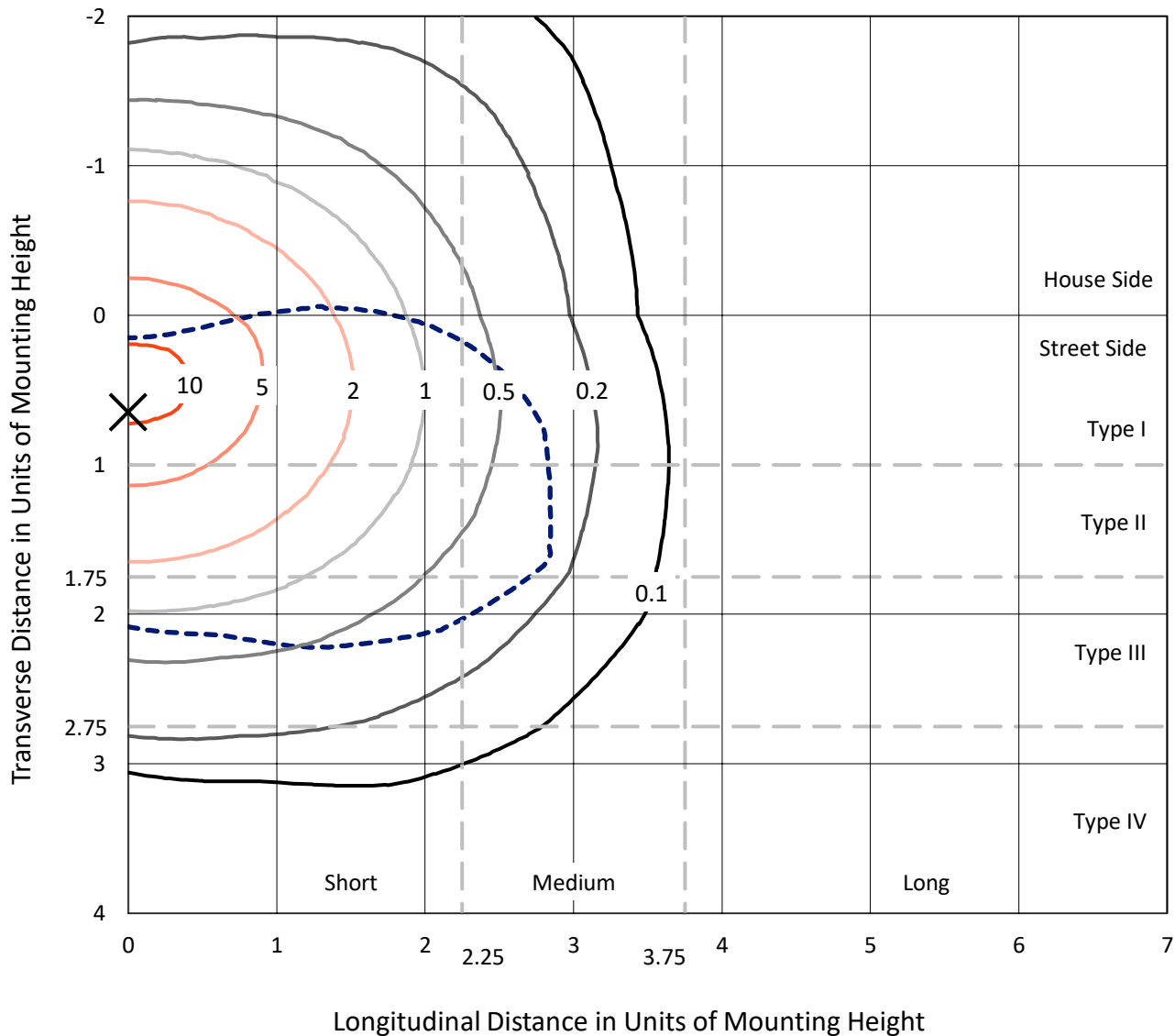
Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 39169.2 lumens
Efficiency: 102.1%
Efficacy: 167.9 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 233.3
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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Iso-Footcandle Lines of Horizontal Illumination

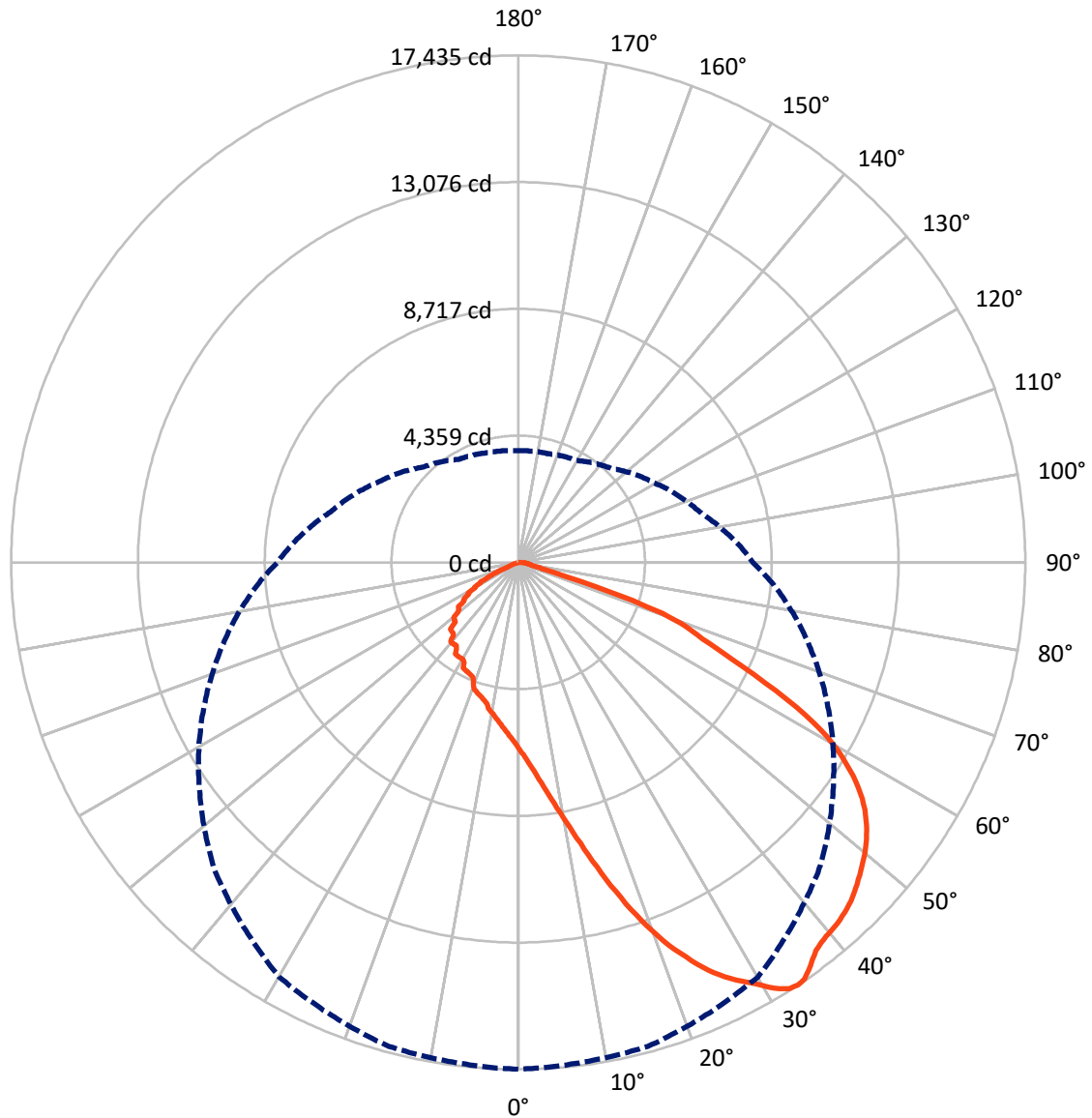
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - 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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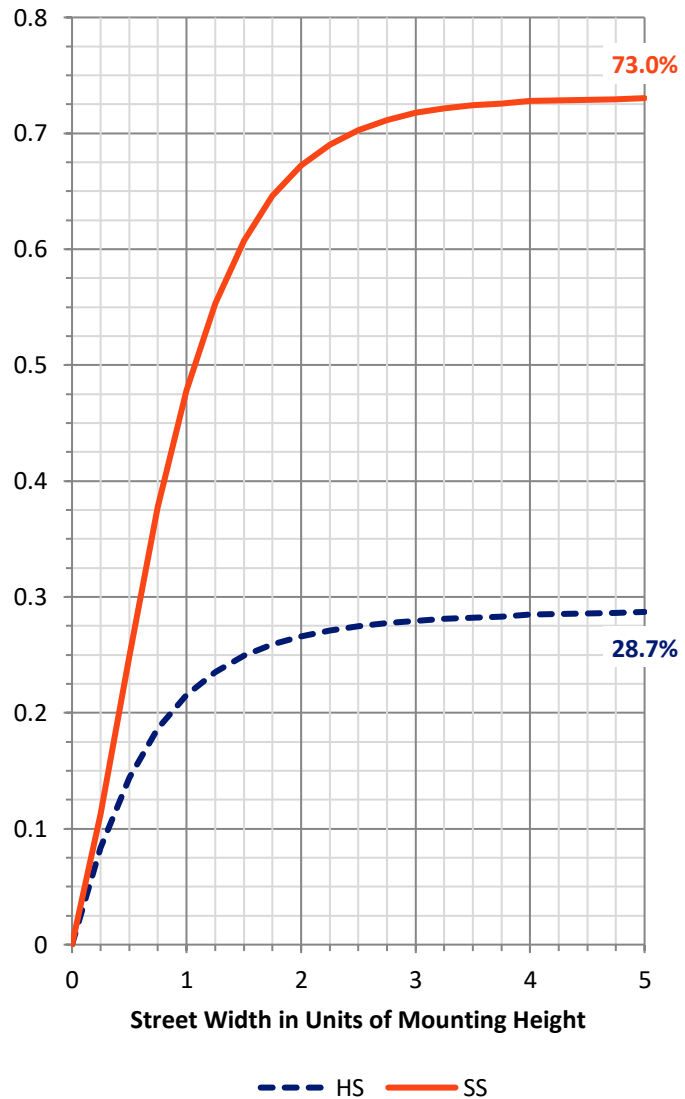
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11090.4	0.0	11090.4
	% Lamp	28.9	0.0	28.9
Street Side	Lumens	28078.8	0.0	28078.8
	% Lamp	73.2	0.0	73.2
Total	Lumens	39169.2	0.0	39169.2
	% Lamp	102.1	0.0	102.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	638.9	1.6	1.7
10°-20°	2151.6	5.5	5.6
20°-30°	4081.7	10.4	10.6
30°-40°	6013.6	15.4	15.7
40°-50°	7329.4	18.7	19.1
50°-60°	8017.4	20.5	20.9
60°-70°	7093.7	18.1	18.5
70°-80°	3514.1	9.0	9.2
80°-90°	328.8	0.8	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°	39169.2	100.0	102.1
0°-180°	39169.2	100.0	102.1

Coefficient of Utilization



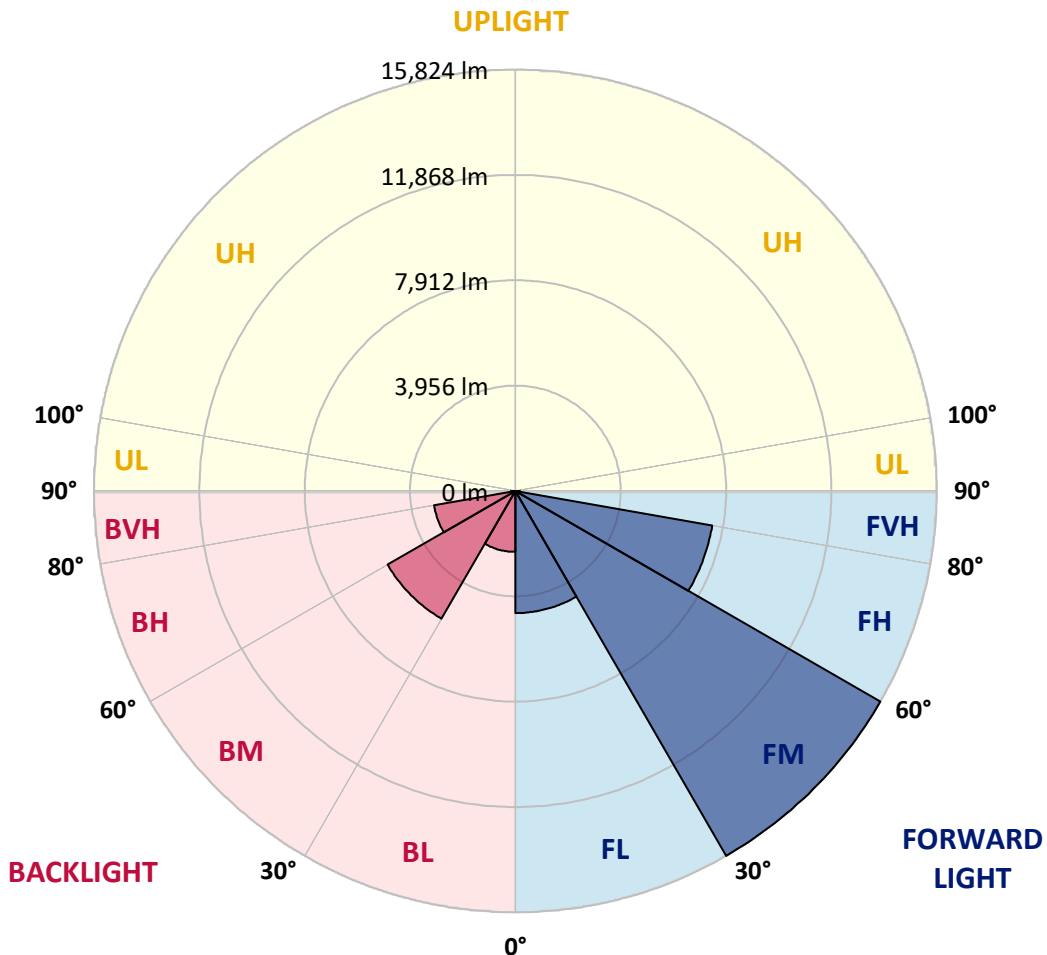
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4584.1	11.9			
FM (30°-60°)	15823.5	41.2			
FH (60°-80°)	7504.3	19.6			G4/12000
FVH (80°-90°)	166.9	0.4			G2/225
BL (0°-30°)	2288.1	6.0	B3/2500		
BM (30°-60°)	5537.0	14.4	B4/8500		
BH (60°-80°)	3103.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	161.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	-793.2	-2.1			

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4
1°	6613.9	6611.9	6596.4	6572.9	6540.6	6500.3	6438.1	6396.5	6357.4	6326.8	6304.0
2°	6802.5	6791.8	6754.6	6699.4	6627.6	6545.8	6438.6	6355.6	6281.1	6220.5	6175.8
3°	7006.6	6988.1	6927.4	6839.0	6723.0	6595.5	6445.0	6322.2	6213.9	6125.3	6060.1
4°	7236.6	7205.5	7120.2	6992.8	6831.1	6658.0	6459.7	6296.9	6152.1	6035.3	5953.7
5°	7487.9	7449.4	7331.1	7158.7	6952.6	6728.1	6482.5	6279.5	6098.1	5957.8	5855.0
6°	7763.4	7711.8	7564.4	7345.7	7082.3	6803.2	6506.5	6265.1	6051.2	5884.4	5759.0
7°	8059.2	7998.3	7815.8	7543.3	7221.2	6882.3	6535.0	6252.9	6008.0	5811.7	5670.8
8°	8377.9	8302.7	8085.2	7760.9	7370.0	6967.4	6567.2	6244.3	5967.6	5745.5	5591.0
9°	8720.9	8629.1	8376.3	7989.9	7530.2	7060.0	6604.9	6236.5	5927.1	5686.5	5515.0
10°	9085.8	8979.7	8680.5	8236.5	7698.2	7158.2	6643.4	6232.8	5886.5	5632.2	5443.5
11°	9478.8	9357.5	9015.0	8496.9	7877.7	7265.9	6687.1	6232.8	5850.8	5580.3	5376.9
12°	9899.7	9756.0	9366.2	8769.6	8065.8	7377.6	6718.5	6220.3	5820.8	5527.7	5317.5
13°	10351.5	10182.9	9730.0	9060.5	8269.9	7472.8	6748.7	6204.3	5777.3	5478.9	5260.9
14°	10818.0	10635.3	10115.4	9365.3	8481.6	7574.3	6791.4	6195.5	5736.9	5435.8	5178.3
15°	11304.8	11093.6	10515.9	9681.2	8679.1	7685.3	6837.8	6192.9	5698.3	5380.1	5067.0
16°	11801.9	11566.1	10924.1	10005.1	8889.3	7803.4	6899.8	6205.9	5667.3	5328.9	5015.1
17°	12301.0	12036.6	11341.6	10334.2	9103.1	7933.6	6953.8	6209.0	5646.6	5254.6	4975.4
18°	12784.8	12505.1	11750.9	10663.9	9314.7	8071.4	7015.1	6220.0	5620.1	5170.4	4939.4
19°	13261.4	12962.4	12158.1	10978.2	9542.6	8202.0	7086.9	6247.9	5605.1	5126.0	4909.1
20°	13718.7	13400.2	12552.1	11278.3	9764.7	8343.3	7166.0	6277.6	5600.5	5090.7	4876.6
21°	14151.5	13823.8	12927.7	11587.6	9999.7	8490.1	7246.6	6301.4	5600.1	5061.4	4839.1
22°	14548.5	14221.9	13288.0	11871.3	10216.8	8649.6	7313.4	6299.5	5585.2	5043.6	4797.2
23°	14934.3	14608.7	13643.2	12146.9	10445.4	8812.3	7352.0	6306.5	5554.4	5031.9	4761.0
24°	15291.5	14976.1	13984.1	12416.3	10669.0	8959.6	7403.2	6335.0	5519.3	5007.9	4580.3
25°	15634.5	15320.1	14313.7	12690.9	10885.3	9094.5	7476.8	6348.6	5496.2	4986.8	4443.3
26°	15925.4	15631.4	14636.3	12948.1	11108.9	9211.3	7553.4	6357.7	5471.7	4968.1	4413.2
27°	16180.5	15904.9	14942.5	13200.2	11331.4	9343.5	7602.3	6385.2	5475.0	4943.8	4392.3
28°	16414.3	16149.9	15226.2	13443.1	11551.8	9497.8	7673.6	6415.4	5480.2	4904.9	4370.3
29°	16662.3	16392.8	15477.3	13676.8	11752.9	9667.9	7759.5	6442.6	5475.9	4741.4	4339.9
30°	16955.2	16674.5	15735.5	13917.7	11943.8	9815.8	7854.3	6445.4	5451.4	4633.8	4309.5
31°	17195.1	16927.6	16006.0	14179.0	12103.0	9959.9	7944.2	6454.4	5448.4	4593.1	4289.8
32°	17373.7	17126.7	16257.1	14450.5	12281.6	10104.8	8014.4	6483.2	5452.0	4566.6	4266.0
33°	17434.9	17230.8	16469.4	14708.7	12495.9	10266.8	8078.4	6514.8	5435.0	4555.3	4039.3
34°	17376.7	17205.3	16585.7	14941.4	12713.3	10445.4	8161.1	6531.3	5429.6	4551.2	3992.6
35°	17215.5	17073.6	16569.4	15107.8	12918.5	10626.1	8259.8	6557.9	5434.2	4547.1	3973.5
36°	17008.3	16891.9	16457.1	15206.8	13103.2	10797.6	8358.0	6604.9	5428.9	4530.4	3963.4
37°	16823.5	16691.9	16303.0	15208.9	13215.5	10929.2	8428.0	6630.6	5423.4	4512.6	3969.1
38°	16721.5	16559.2	16149.9	15148.6	13277.8	11043.5	8497.4	6652.5	5402.5	4472.2	3972.4
39°	16662.3	16489.8	16043.8	15076.2	13285.9	11136.4	8599.0	6676.2	5260.2	4317.9	3963.9
40°	16618.4	16442.8	15984.6	15022.1	13256.3	11191.5	8690.2	6695.5	5184.7	4327.1	3918.6
41°	16567.4	16405.1	15946.8	14990.4	13249.2	11223.2	8754.3	6728.2	5208.5	4356.1	3762.9
42°	16502.0	16364.2	15912.1	14964.9	13269.6	11251.8	8793.4	6737.8	5240.5	4365.7	3769.0
43°	16419.4	16314.2	15875.3	14954.7	13297.2	11287.5	8814.8	6761.1	5246.3	4363.8	3762.1
44°	16318.3	16253.0	15832.5	14956.8	13332.9	11318.1	8824.7	6770.7	5229.6	4380.7	3725.4



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	16196.9	16175.4	15777.4	14954.7	13374.7	11363.0	8845.8	6809.5	5249.3	4395.3	3700.0
46°	16063.1	16079.5	15713.1	14937.4	13407.4	11423.2	8874.2	6807.8	5276.1	4352.6	3577.8
47°	15922.3	15979.5	15638.6	14912.9	13433.9	11488.5	8885.2	6734.1	5272.8	4172.4	3435.6
48°	15776.3	15870.2	15554.9	14892.5	13461.5	11545.7	8931.5	6731.9	5290.2	4151.3	3434.5
49°	15631.4	15752.9	15456.9	14859.8	13493.1	11589.6	8984.0	6762.0	5209.0	4161.7	3422.5
50°	15477.3	15630.4	15350.7	14804.7	13507.4	11627.4	9031.7	6794.2	5105.2	4157.5	3406.8
51°	15302.8	15488.5	15231.3	14739.4	13525.8	11661.0	9072.2	6797.0	5108.9	4135.3	3219.2
52°	15104.7	15325.2	15098.6	14665.9	13548.2	11678.4	9086.7	6814.0	5085.7	4040.9	3177.5
53°	14885.3	15139.4	14955.7	14588.3	13555.4	11683.5	9029.7	6844.3	5117.9	3920.4	3190.6
54°	14634.2	14913.9	14799.6	14498.5	13540.1	11692.7	8966.5	6812.5	5133.5	3927.4	3198.9
55°	14348.4	14651.6	14633.2	14390.3	13502.3	11683.5	8944.7	6806.2	5133.3	3922.5	3082.6
56°	14016.7	14346.4	14441.3	14266.8	13451.3	11655.9	8932.0	6790.9	5109.9	3895.9	2994.7
57°	13643.2	13999.4	14218.8	14132.1	13392.1	11629.4	8913.1	6777.0	5040.3	3714.8	2996.6
58°	13222.7	13607.4	13958.5	13986.1	13316.6	11614.1	8855.0	6713.3	5005.3	3748.0	2927.8
59°	12763.4	13175.7	13677.9	13818.7	13233.9	11587.6	8806.1	6648.3	5007.3	3795.7	2785.1
60°	12234.7	12700.1	13352.3	13627.9	13129.8	11545.7	8746.9	6624.8	5004.5	3834.8	2791.8
61°	11571.2	12143.8	12993.0	13400.2	12997.1	11475.3	8676.6	6564.5	4983.4	3706.8	2653.2
62°	10783.3	11488.5	12581.7	13135.9	12847.0	11379.3	8561.4	6505.2	4924.5	3693.6	2625.0
63°	9888.8	10741.4	12119.3	12830.7	12671.5	11229.3	8432.0	6425.6	4931.3	3708.0	2567.7
64°	8976.2	9944.2	11591.6	12495.9	12465.3	11029.3	8273.3	6322.5	4900.0	3635.8	2460.4
65°	8145.7	9156.0	11015.0	12125.4	12235.7	10791.4	8120.3	6257.3	4788.4	3643.9	2371.8
66°	7425.8	8388.0	10398.5	11697.8	11968.3	10578.1	7922.0	6148.6	4776.8	3581.3	2331.9
67°	6859.8	7689.9	9772.0	11231.3	11664.1	10337.2	7692.9	6015.8	4818.2	3572.8	2202.4
68°	6404.8	7082.7	9143.9	10704.7	11312.0	10046.5	7355.4	5850.5	4859.6	3579.8	2108.1
69°	5952.2	6560.3	8506.4	10135.5	10891.5	9697.6	7020.7	5649.5	4815.0	3565.9	2013.8
70°	5247.2	6022.0	7877.1	9545.0	10414.8	9251.5	6505.1	5360.2	4704.8	3580.9	1920.5
71°	4128.2	5321.9	7263.6	8943.8	9896.6	8674.9	5824.2	4963.9	4619.1	3573.2	1887.5
72°	2806.1	4353.1	6645.5	8345.1	9337.1	8032.9	5157.0	4545.5	4525.3	3652.7	1874.5
73°	1640.2	3178.2	5975.2	7736.5	8728.9	7255.3	4532.5	4176.2	4337.9	3619.1	1817.0
74°	926.2	2033.6	5240.8	7116.2	8041.9	6410.6	3956.7	3869.6	4143.8	3609.4	1824.7
75°	772.6	1195.4	4421.9	6436.8	7285.1	5495.8	3270.3	3550.1	3968.7	3578.9	1787.4
76°	638.5	969.5	3510.0	5654.9	6415.9	4522.9	2299.9	3092.0	3821.6	3492.5	1697.9
77°	504.4	747.6	2647.0	4680.8	5438.1	3355.1	1332.1	2313.3	3685.2	3313.3	1562.6
78°	450.6	525.7	1983.8	3483.6	4338.4	2138.0	615.8	1534.8	3572.6	3022.7	1383.8
79°	414.5	463.7	1450.9	2219.2	3234.3	1119.8	307.3	759.4	3239.4	2527.6	1199.4
80°	381.9	416.2	1045.4	1201.6	2167.3	844.8	264.5	565.5	2402.1	2032.3	1054.0
81°	351.3	374.3	836.4	935.8	1225.9	571.8	221.7	371.7	1565.0	1540.3	1076.8
82°	322.0	338.2	630.1	695.2	909.3	298.9	179.0	180.6	733.7	1261.6	1011.5
83°	292.4	306.9	423.7	454.6	600.9	247.4	153.0	143.3	551.2	1076.4	809.9
84°	261.6	274.1	358.0	399.1	292.6	211.1	127.7	112.5	368.7	851.7	557.3
85°	230.9	241.1	285.3	348.0	230.3	174.4	103.1	87.2	186.9	606.4	368.2
86°	199.0	209.0	224.0	296.6	184.2	136.8	79.2	66.0	156.9	486.0	261.5
87°	166.2	178.4	184.8	238.8	144.7	103.0	56.5	48.5	122.8	365.6	155.0
88°	136.2	147.8	148.1	170.9	110.4	77.4	39.9	34.6	80.2	245.2	94.4
89°	112.3	117.0	112.1	100.6	84.8	52.1	23.2	20.7	55.4	124.8	64.5



REPORT NUMBER: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4	6447.4
1°	6291.9	6289.7	6300.4	6321.9	6350.1	6387.8	6427.6	6451.7	6490.4	6528.2	6562.0
2°	6151.4	6145.3	6162.0	6199.0	6251.6	6320.4	6397.6	6465.6	6545.4	6625.7	6696.6
3°	6022.4	6012.8	6033.3	6083.0	6158.8	6257.8	6372.8	6482.6	6606.0	6729.4	6842.7
4°	5904.3	5891.0	5917.2	5976.9	6073.2	6200.7	6351.0	6506.5	6674.5	6843.5	6999.9
5°	5792.8	5776.2	5806.2	5878.9	5994.1	6148.5	6333.6	6531.8	6744.5	6967.3	7173.4
6°	5686.3	5667.1	5699.5	5781.5	5918.0	6098.9	6320.0	6561.8	6820.5	7096.4	7359.0
7°	5586.6	5565.3	5600.5	5692.7	5841.6	6052.9	6308.5	6594.6	6903.0	7237.1	7555.8
8°	5495.4	5468.6	5508.0	5613.0	5774.3	6007.5	6298.6	6628.3	6990.4	7385.7	7766.1
9°	5405.8	5373.6	5417.7	5534.3	5714.3	5962.2	6289.0	6665.7	7081.7	7543.1	7993.3
10°	5321.2	5286.4	5333.6	5457.9	5656.5	5919.2	6284.3	6706.6	7179.3	7708.7	8233.9
11°	5246.6	5208.1	5254.4	5388.2	5600.3	5882.9	6283.2	6756.0	7284.1	7886.1	8491.4
12°	5179.8	5123.9	5181.9	5323.7	5547.4	5854.2	6267.9	6787.6	7395.6	8072.6	8762.2
13°	5055.3	4970.6	5058.4	5262.3	5494.9	5809.0	6259.5	6827.5	7490.5	8274.5	9051.6
14°	4956.9	4905.9	4957.9	5180.6	5449.3	5770.6	6250.9	6863.7	7593.0	8478.5	9352.1
15°	4905.3	4850.0	4902.5	5060.9	5393.3	5735.7	6251.3	6913.7	7699.5	8674.5	9672.8
16°	4856.3	4798.3	4852.1	5011.1	5345.1	5710.5	6256.4	6976.1	7818.1	8882.9	9999.9
17°	4813.4	4750.2	4809.2	4970.6	5283.1	5684.1	6266.6	7032.1	7956.4	9097.6	10340.3
18°	4767.1	4696.1	4762.0	4935.2	5201.3	5664.9	6284.2	7096.3	8079.6	9324.5	10666.9
19°	4720.6	4644.8	4716.9	4907.5	5148.3	5659.9	6314.1	7176.9	8219.4	9553.5	10986.4
20°	4673.7	4588.3	4674.1	4875.5	5115.8	5662.5	6345.4	7261.2	8359.9	9794.9	11305.9
21°	4620.7	4394.0	4626.7	4837.0	5094.6	5662.7	6367.1	7336.7	8518.6	10030.1	11609.0
22°	4382.6	4251.5	4402.3	4800.7	5082.0	5650.7	6373.5	7403.6	8681.9	10266.8	11898.9
23°	4290.0	4211.9	4309.4	4772.3	5070.4	5630.3	6394.5	7452.5	8840.4	10504.6	12187.7
24°	4256.1	4184.3	4279.5	4592.9	5048.8	5610.7	6432.7	7515.4	8987.7	10738.4	12472.5
25°	4234.4	4161.4	4258.8	4472.3	5028.1	5593.9	6448.7	7601.5	9118.3	10974.1	12736.8
26°	4214.1	4137.3	4240.9	4453.5	5015.7	5567.0	6471.3	7675.8	9253.4	11206.8	13006.3
27°	4192.1	4119.7	4221.9	4437.5	4988.1	5578.6	6507.8	7740.6	9403.7	11438.5	13266.5
28°	4175.8	4098.4	4207.2	4414.2	4954.7	5587.1	6544.3	7823.1	9576.6	11654.9	13529.9
29°	4156.7	3918.3	4189.9	4386.2	4796.9	5572.1	6567.5	7921.0	9750.8	11866.2	13785.0
30°	3950.5	3844.4	3980.5	4362.4	4692.8	5551.4	6573.6	8021.5	9899.3	12062.2	14044.3
31°	3891.1	3836.5	3923.1	4341.6	4651.6	5551.1	6599.8	8113.5	10071.9	12257.1	14320.9
32°	3880.4	3836.8	3912.8	4316.9	4633.1	5555.8	6639.6	8188.8	10258.7	12467.4	14574.0
33°	3873.8	3835.1	3907.3	4090.2	4627.7	5536.7	6682.8	8284.5	10461.8	12678.6	14821.0
34°	3866.2	3827.2	3898.6	4044.4	4624.8	5534.9	6701.1	8397.6	10643.4	12892.0	15028.2
35°	3852.7	3819.5	3885.1	4025.0	4620.5	5535.2	6741.5	8509.1	10803.7	13092.0	15166.0
36°	3837.7	3674.4	3868.2	4017.7	4601.1	5528.9	6789.3	8616.3	10943.5	13226.7	15215.0
37°	3686.2	3570.8	3697.2	4024.1	4585.4	5519.8	6820.4	8689.4	11058.9	13300.2	15197.6
38°	3564.0	3573.1	3594.8	4024.7	4537.8	5501.2	6846.8	8767.7	11147.6	13318.6	15127.2
39°	3555.7	3583.3	3585.4	4023.6	4388.8	5364.7	6853.7	8851.2	11208.9	13302.3	15046.6
40°	3553.6	3587.8	3578.6	3967.8	4413.5	5294.9	6861.8	8906.0	11245.6	13293.1	14990.4
41°	3535.1	3571.3	3556.9	3827.4	4444.5	5316.3	6869.3	8945.2	11264.0	13302.3	14957.8
42°	3496.3	3374.0	3518.1	3832.9	4442.2	5343.9	6879.0	8980.4	11296.7	13321.7	14951.6
43°	3301.8	3306.6	3327.7	3817.6	4446.9	5326.7	6900.5	9009.8	11331.4	13349.2	14964.9
44°	3225.0	3301.5	3259.2	3781.4	4461.0	5316.3	6921.7	9030.5	11379.3	13380.9	14971.0



REPORT NUMBER: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3218.5	3290.4	3253.8	3757.2	4475.3	5336.8	6958.8	9064.9	11435.5	13411.5	14967.0
46°	3207.3	3269.8	3239.4	3607.7	4410.1	5371.3	6932.3	9087.9	11493.7	13451.3	14962.9
47°	3177.7	2986.9	3215.2	3506.3	4247.0	5376.5	6865.5	9108.7	11542.6	13496.2	14949.6
48°	2932.0	2959.9	2972.5	3505.9	4234.3	5395.7	6877.1	9156.6	11584.5	13531.9	14924.1
49°	2917.9	2938.3	2967.4	3487.2	4245.7	5291.5	6910.3	9199.3	11628.4	13559.5	14878.2
50°	2915.5	2917.0	2968.1	3477.8	4235.1	5224.1	6936.8	9235.4	11667.2	13587.0	14819.0
51°	2912.4	2685.3	2968.6	3280.3	4217.3	5229.9	6940.6	9263.8	11687.6	13601.3	14757.7
52°	2735.2	2602.9	2779.7	3253.7	4075.6	5218.8	6956.7	9261.3	11694.7	13603.4	14692.4
53°	2679.9	2586.1	2732.5	3269.6	4010.9	5253.9	6976.6	9184.4	11702.9	13589.1	14612.8
54°	2664.0	2552.4	2715.8	3284.1	4020.9	5257.7	6950.3	9114.3	11690.6	13553.3	14520.9
55°	2629.2	2281.2	2667.5	3138.8	4020.3	5259.0	6944.2	9088.5	11659.0	13504.4	14424.0
56°	2408.6	2279.6	2460.6	3081.4	3992.5	5251.6	6920.3	9070.9	11622.3	13452.3	14308.6
57°	2412.9	2147.0	2468.2	3082.6	3833.4	5160.9	6903.3	9045.0	11595.7	13384.9	14167.8
58°	2262.1	2016.0	2303.5	2982.6	3876.6	5148.2	6808.7	8980.1	11562.0	13302.3	13998.4
59°	2173.9	2021.4	2232.1	2885.5	3929.5	5148.7	6770.5	8917.9	11517.1	13205.3	13803.4
60°	2098.5	1728.5	2159.4	2902.9	3964.5	5141.4	6715.0	8837.8	11447.7	13084.9	13589.1
61°	2022.9	1732.3	2086.7	2750.9	3841.5	5104.1	6645.4	8771.1	11358.9	12949.1	13356.4
62°	1942.3	1468.4	2010.6	2738.4	3835.8	5043.1	6567.3	8659.7	11212.0	12783.8	13097.1
63°	1689.7	1458.1	1755.3	2661.6	3826.5	5038.8	6475.6	8525.5	11022.1	12589.8	12800.1
64°	1673.4	1139.3	1720.6	2579.7	3779.4	4989.7	6375.9	8357.5	10790.4	12368.4	12458.2
65°	1419.4	1009.4	1475.2	2477.1	3794.3	4865.8	6275.9	8190.0	10573.0	12116.3	12067.3
66°	1233.5	816.9	1271.1	2460.4	3732.1	4884.2	6153.4	7946.1	10329.1	11831.5	11638.6
67°	1122.3	544.1	1110.7	2331.3	3722.1	4914.8	5995.8	7681.7	10045.2	11512.0	11163.0
68°	887.8	271.2	916.2	2226.2	3711.8	4932.3	5798.2	7287.6	9720.2	11141.5	10664.9
69°	590.3	0.6	616.6	2121.1	3698.5	4829.2	5566.8	6856.4	9315.0	10723.1	10127.0
70°	571.8	0.5	593.2	2018.4	3716.2	4693.7	5211.8	6227.7	8823.3	10245.4	9542.3
71°	570.7	0.5	572.4	1989.1	3698.7	4566.8	4755.3	5497.3	8185.0	9721.5	8913.0
72°	543.0	0.5	529.8	1964.3	3770.0	4436.6	4327.8	4826.2	7498.0	9154.7	8294.6
73°	488.1	0.5	452.8	1887.8	3709.5	4229.1	4002.7	4221.6	6664.9	8506.0	7661.5
74°	420.4	0.5	359.1	1858.9	3624.1	4038.6	3715.2	3582.5	5777.0	7759.7	7017.3
75°	337.2	0.5	296.7	1782.8	3536.6	3892.9	3275.7	2720.5	4851.6	6915.9	6307.1
76°	253.5	0.5	274.3	1668.0	3349.1	3755.1	2482.4	1683.2	3828.1	5997.3	5522.0
77°	192.7	0.6	305.4	1517.8	3074.0	3610.9	1689.1	811.4	2642.2	4982.7	4522.6
78°	208.3	0.6	349.0	1341.1	2722.3	3304.7	904.5	532.7	1498.8	3887.8	3242.8
79°	287.8	0.7	281.4	1195.6	2300.0	2496.0	378.2	269.2	1101.7	2822.1	1966.5
80°	302.1	0.8	213.8	1118.0	1877.6	1687.5	282.8	228.1	713.0	1824.8	1002.8
81°	242.2	1.0	146.2	1046.0	1460.9	879.1	189.1	198.6	324.3	996.7	804.5
82°	182.2	1.1	77.6	892.1	1220.4	649.3	151.8	171.5	269.5	742.2	627.3
83°	122.6	1.3	40.9	576.1	945.1	419.5	123.2	145.8	232.0	506.7	450.1
84°	71.3	1.5	32.5	415.5	619.4	191.1	99.9	120.6	197.3	271.2	395.3
85°	43.2	1.7	24.2	254.8	442.7	158.3	79.0	96.2	162.2	213.4	344.0
86°	33.3	1.9	16.0	98.3	265.9	126.8	60.1	72.2	126.5	169.7	291.2
87°	23.4	2.1	13.5	57.5	90.7	93.9	43.8	48.2	94.9	132.4	231.4
88°	13.5	2.4	11.0	39.9	62.2	64.5	31.0	28.3	68.8	100.0	157.7
89°	8.5	2.7	7.6	22.2	33.8	35.2	18.1	12.4	42.7	77.9	89.0



REPORT NUMBER: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6447.4	6447.4	6447.4
1°	6589.7	6605.6	6613.9
2°	6753.7	6789.5	6802.5
3°	6931.4	6988.7	7006.6
4°	7127.1	7210.4	7236.6
5°	7341.7	7452.1	7487.9
6°	7572.8	7717.8	7763.4
7°	7825.0	8000.5	8059.2
8°	8088.4	8304.6	8377.9
9°	8377.6	8631.3	8720.9
10°	8680.9	8982.1	9085.8
11°	9007.5	9358.0	9478.8
12°	9353.1	9753.8	9899.7
13°	9720.9	10180.9	10351.5
14°	10103.9	10628.1	10818.0
15°	10506.7	11089.5	11304.8
16°	10920.0	11565.1	11801.9
17°	11351.8	12048.9	12301.0
18°	11771.3	12527.6	12784.8
19°	12181.6	12983.8	13261.4
20°	12581.7	13423.7	13718.7
21°	12968.5	13843.2	14151.5
22°	13329.8	14232.1	14548.5
23°	13679.9	14616.9	14934.3
24°	14016.7	14990.4	15291.5
25°	14351.5	15340.5	15634.5
26°	14683.2	15666.1	15925.4
27°	14995.5	15943.7	16180.5
28°	15271.1	16184.6	16414.3
29°	15526.3	16429.6	16662.3
30°	15785.5	16705.1	16955.2
31°	16056.0	16958.3	17195.1
32°	16295.9	17141.0	17373.7
33°	16457.1	17226.7	17434.9
34°	16529.6	17205.3	17376.7
35°	16501.0	17073.6	17215.5
36°	16409.2	16883.8	17008.3
37°	16261.2	16687.8	16823.5
38°	16122.3	16561.2	16721.5
39°	16031.5	16489.8	16662.3
40°	15974.3	16450.0	16618.4
41°	15937.6	16416.3	16567.4
42°	15897.8	16377.5	16502.0
43°	15858.0	16333.6	16419.4
44°	15818.2	16275.4	16318.3



REPORT NUMBER: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	15770.2	16195.8	16196.9
46°	15716.1	16096.8	16063.1
47°	15655.9	15988.6	15922.3
48°	15582.4	15871.3	15776.3
49°	15487.5	15752.9	15631.4
50°	15373.2	15630.4	15477.3
51°	15248.7	15494.6	15302.8
52°	15108.8	15337.5	15104.7
53°	14963.9	15146.6	14885.3
54°	14812.8	14921.0	14634.2
55°	14652.6	14654.6	14348.4
56°	14464.8	14351.5	14016.7
57°	14244.3	14013.7	13643.2
58°	13977.9	13613.6	13222.7
59°	13684.0	13179.8	12763.4
60°	13354.3	12709.3	12234.7
61°	12978.7	12175.5	11571.2
62°	12563.3	11529.4	10783.3
63°	12104.0	10783.3	9888.8
64°	11606.9	9970.3	8976.2
65°	11045.6	9165.8	8145.7
66°	10439.3	8416.7	7425.8
67°	9813.0	7744.3	6859.8
68°	9167.1	7133.7	6404.8
69°	8555.1	6589.0	5952.2
70°	7971.4	6050.9	5247.2
71°	7365.9	5386.6	4128.2
72°	6705.4	4460.0	2806.1
73°	6043.4	3291.4	1640.2
74°	5346.3	2181.6	926.2
75°	4464.0	1327.5	772.6
76°	3515.2	1065.7	638.5
77°	2688.3	806.0	504.4
78°	2031.2	546.4	450.6
79°	1500.3	472.9	414.5
80°	1012.8	422.3	381.9
81°	815.5	379.1	351.3
82°	620.5	342.9	322.0
83°	425.5	314.0	292.4
84°	356.4	279.8	261.6
85°	282.0	243.5	230.9
86°	225.2	210.2	199.0
87°	184.1	178.4	166.2
88°	145.9	147.4	136.2
89°	108.5	116.4	112.3



REPORT NUMBER: P1436809
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

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: P1436809
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)