

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: P1445084

Luminaire Tested: XAS300-SFPM (4000K-300W-T5)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445084
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-300W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 44851.6 lumens
Efficiency: 98.5%
Efficacy: 156.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 286.3
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

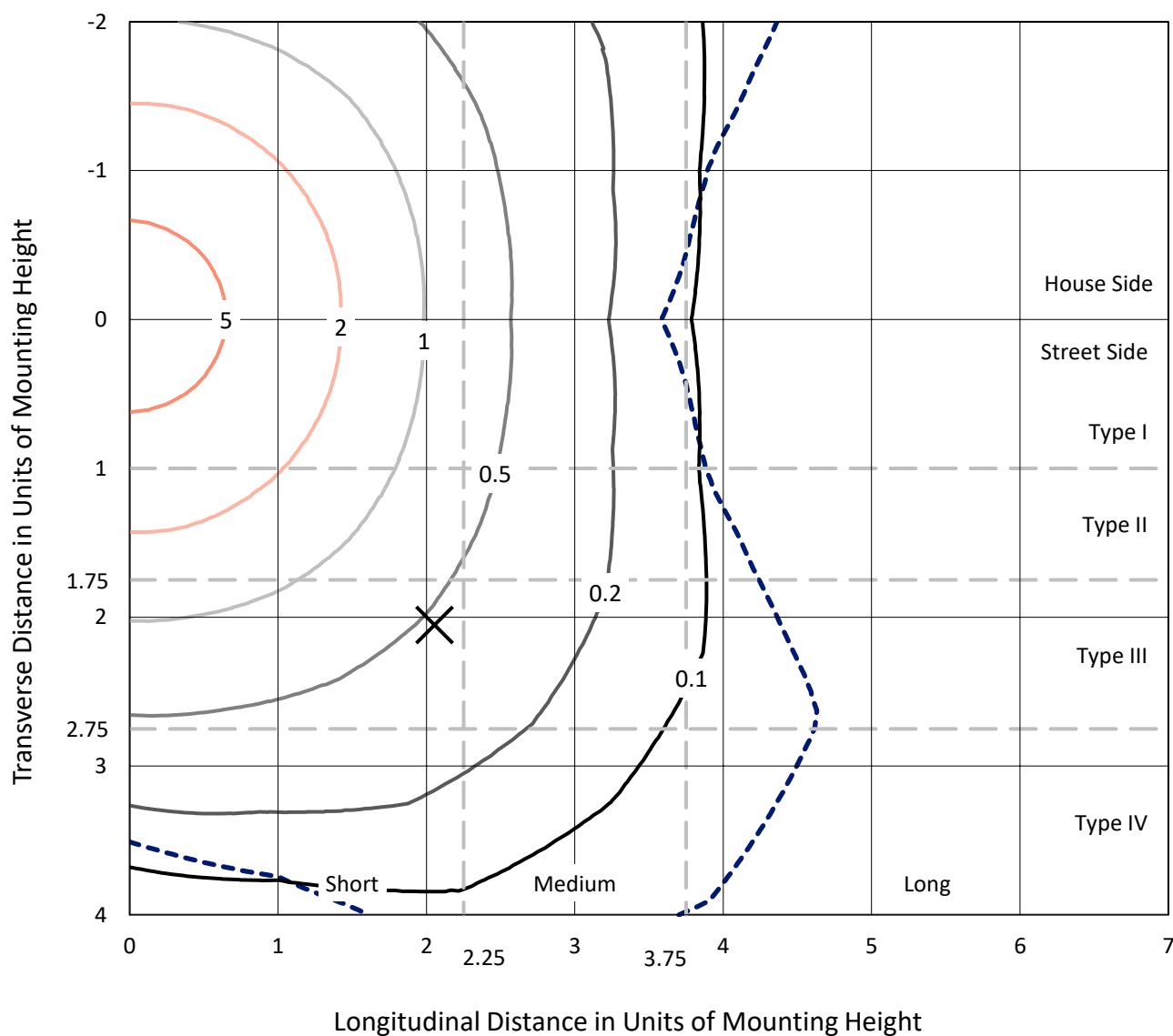
REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

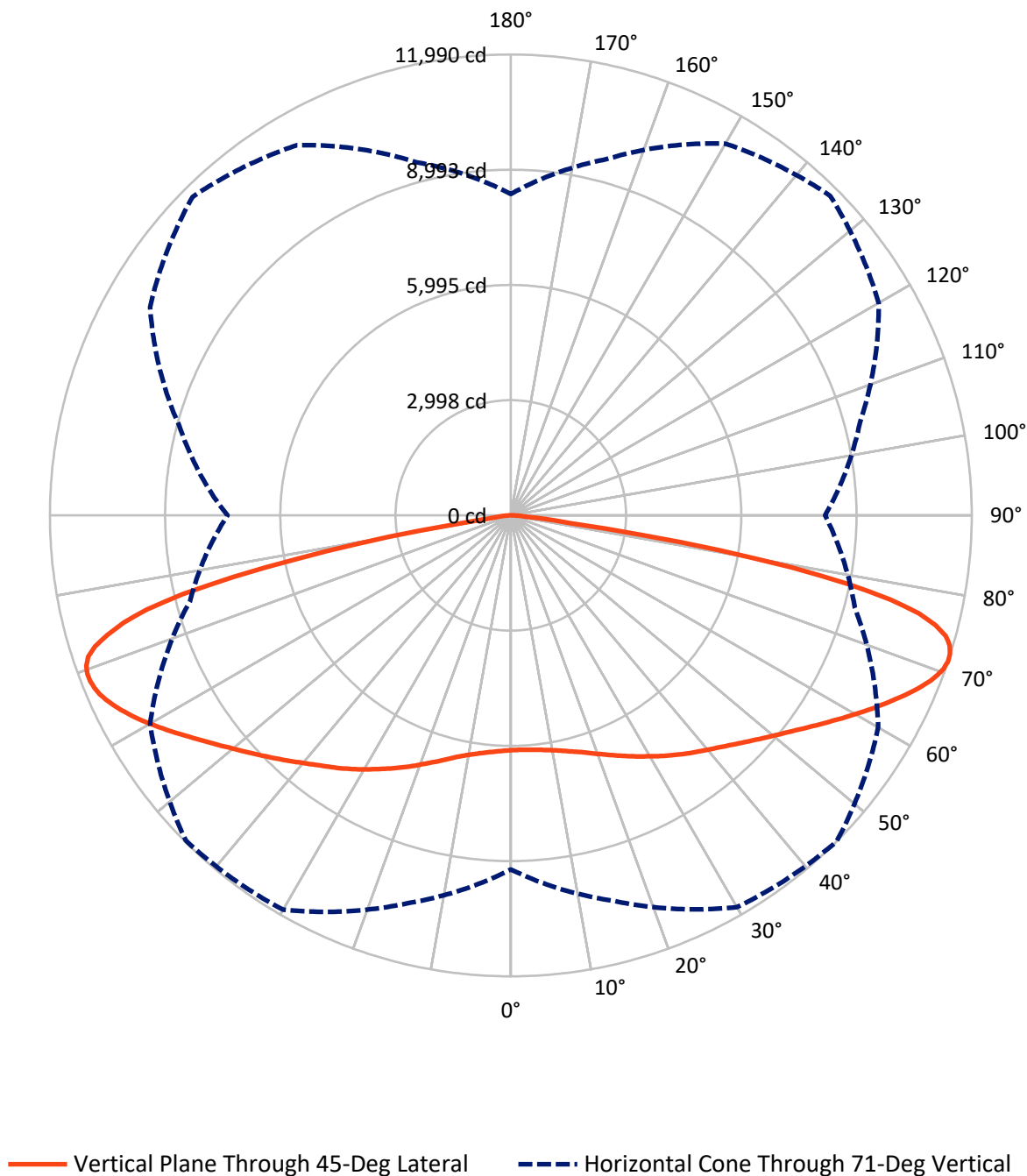


Based on 30 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

Luminous Intensity Polar Plot



REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

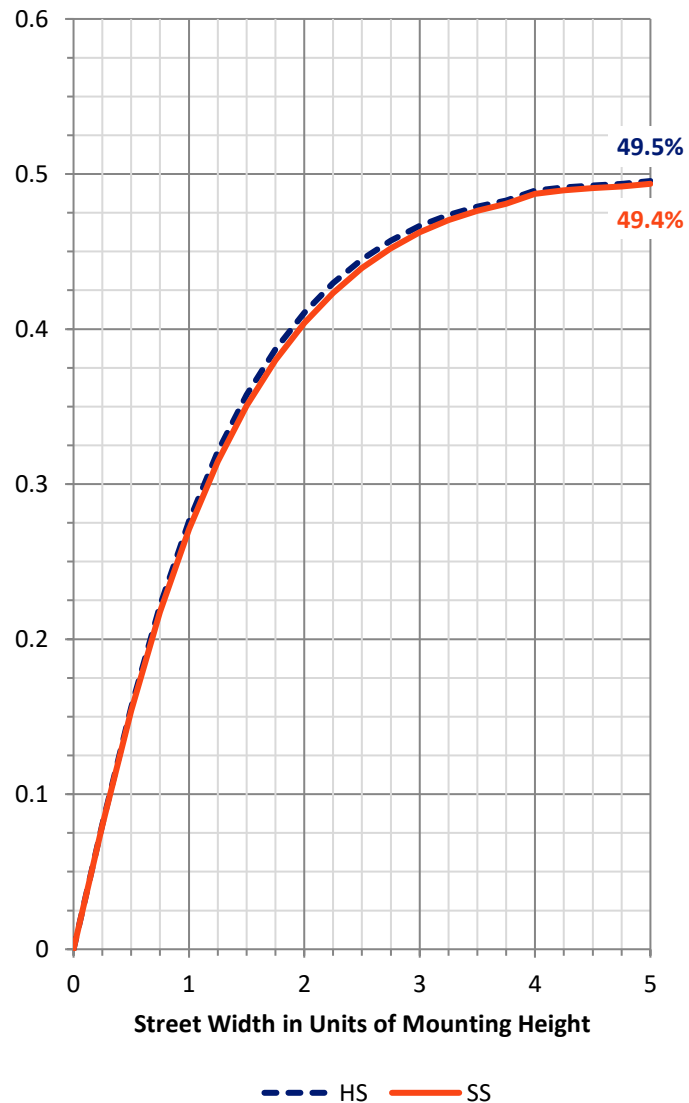
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22430.7	0.0	22430.7
	% Lamp	49.3	0.0	49.3
Street Side	Lumens	22420.9	0.0	22420.9
	% Lamp	49.2	0.0	49.2
Total	Lumens	44851.6	0.0	44851.6
	% Lamp	98.5	0.0	98.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	589.8	1.3	1.3
10°-20°	1840.9	4.1	4.0
20°-30°	3280.8	7.3	7.2
30°-40°	4909.5	10.9	10.8
40°-50°	6720.4	15.0	14.8
50°-60°	8763.2	19.5	19.2
60°-70°	10565.0	23.6	23.2
70°-80°	7721.3	17.2	17.0
80°-90°	460.6	1.0	1.0
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°	44851.6	100.0	98.5
0°-180°	44851.6	100.0	98.5

Coefficient of Utilization



REPORT NUMBER: P1445084

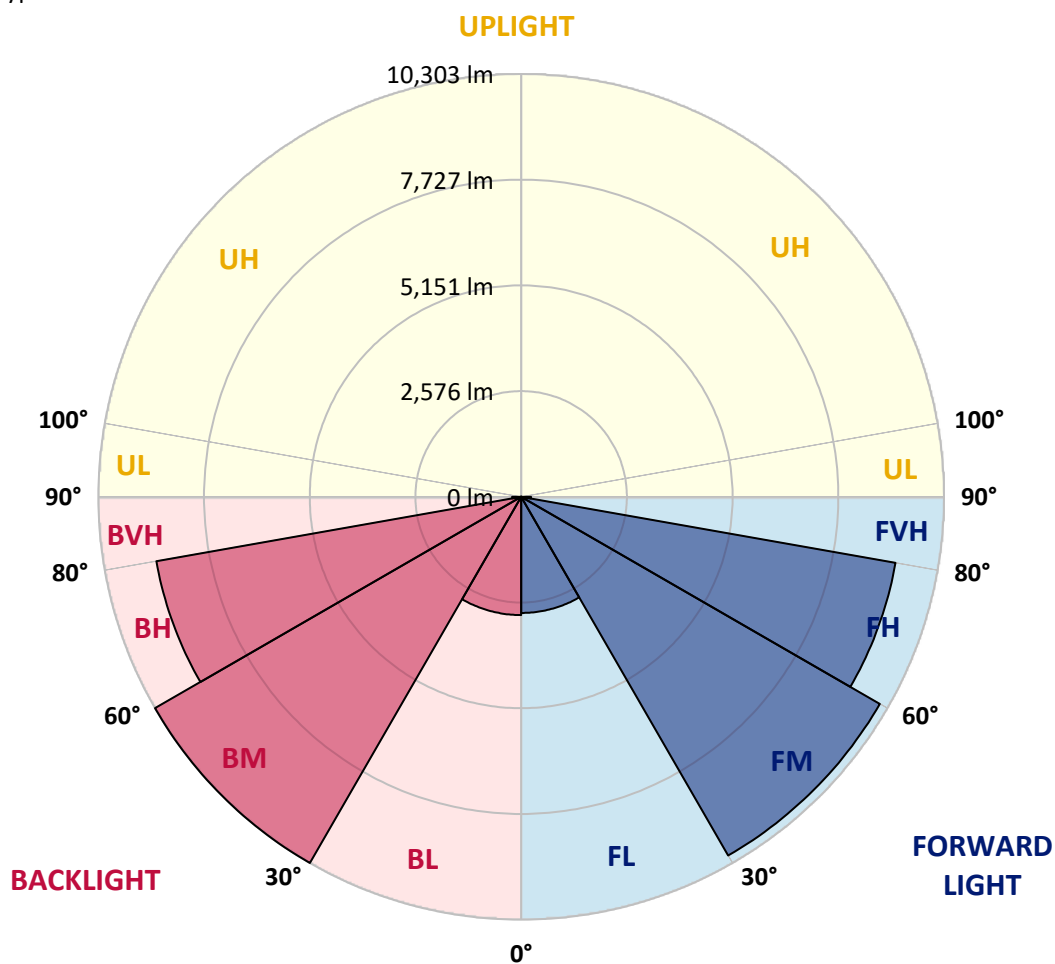
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2830.0	6.2			
FM	(30°-60°)	10090.6	22.2			
FH	(60°-80°)	9260.7	20.3			G4/12000
FVH	(80°-90°)	239.6	0.5			G3/500
BL	(0°-30°)	2881.6	6.3	B4/5000		
BM	(30°-60°)	10302.5	22.6	B5		
BH	(60°-80°)	9025.6	19.8	B5		G4/12000
BVH	(80°-90°)	221.0	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		683.4	1.5			

BUG Rating: B5-U0-G4

Type V Short



REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0
1°	6104.0	6102.3	6102.7	6103.7	6104.6	6106.9	6102.0	6102.0	6103.0	6104.6	6105.3
2°	6103.6	6102.3	6102.3	6103.6	6105.5	6107.2	6103.0	6104.0	6106.1	6109.3	6110.9
3°	6107.2	6104.2	6105.1	6105.5	6109.5	6112.8	6108.5	6110.6	6113.8	6117.5	6119.8
4°	6111.3	6109.1	6110.3	6113.4	6117.2	6120.9	6117.2	6119.8	6124.8	6128.7	6131.0
5°	6117.2	6115.6	6118.3	6122.1	6128.9	6134.8	6131.5	6134.5	6137.9	6142.7	6147.4
6°	6127.2	6123.9	6128.9	6135.2	6144.4	6151.2	6148.8	6151.3	6154.3	6158.6	6165.0
7°	6138.8	6137.4	6141.7	6152.0	6162.0	6167.6	6166.5	6170.2	6172.8	6177.6	6185.6
8°	6152.5	6151.2	6159.1	6170.3	6180.4	6189.3	6187.9	6192.0	6196.6	6201.4	6211.2
9°	6170.0	6167.5	6178.0	6189.7	6203.9	6213.3	6212.3	6216.1	6223.3	6229.6	6239.2
10°	6191.1	6189.5	6200.4	6214.1	6231.3	6241.1	6239.6	6242.6	6251.9	6263.0	6271.6
11°	6217.5	6213.6	6226.8	6242.6	6260.1	6269.2	6269.1	6272.0	6282.7	6297.6	6307.3
12°	6246.2	6241.9	6254.8	6273.1	6291.0	6302.1	6303.5	6306.9	6319.8	6337.1	6347.6
13°	6278.4	6272.9	6285.4	6307.1	6325.3	6338.1	6341.3	6346.9	6360.3	6379.0	6391.5
14°	6314.5	6309.0	6318.6	6343.0	6363.1	6381.7	6385.5	6389.8	6405.3	6423.7	6439.9
15°	6355.8	6347.4	6356.9	6381.3	6405.6	6426.1	6432.5	6438.7	6454.0	6472.6	6489.9
16°	6398.5	6389.2	6399.9	6422.9	6451.5	6474.4	6484.2	6492.6	6505.2	6524.1	6542.2
17°	6443.6	6431.3	6445.4	6467.1	6499.4	6528.0	6540.0	6546.4	6560.9	6579.3	6597.0
18°	6489.3	6477.7	6490.6	6517.9	6550.0	6584.5	6598.8	6606.0	6618.8	6638.1	6655.6
19°	6536.9	6525.1	6541.4	6573.4	6603.3	6642.2	6661.5	6666.9	6679.1	6698.8	6715.0
20°	6587.1	6575.9	6593.5	6628.4	6660.3	6701.5	6725.5	6731.3	6741.3	6760.8	6775.1
21°	6637.6	6628.2	6647.8	6686.5	6718.7	6766.1	6790.4	6800.1	6805.9	6827.4	6837.2
22°	6688.9	6681.1	6704.7	6745.1	6780.1	6831.5	6856.6	6871.0	6874.4	6893.4	6898.3
23°	6743.5	6738.0	6763.2	6807.3	6846.4	6898.7	6921.6	6939.8	6944.9	6960.5	6962.9
24°	6799.8	6797.6	6822.5	6869.6	6912.0	6961.9	6983.3	7008.0	7016.1	7027.8	7025.7
25°	6860.8	6859.4	6884.9	6934.7	6978.5	7025.9	7043.9	7075.6	7086.3	7096.3	7091.6
26°	6922.2	6925.4	6947.7	7000.2	7043.2	7092.8	7107.1	7143.5	7158.2	7165.2	7158.3
27°	6989.3	6993.1	7014.0	7066.5	7108.3	7161.0	7173.2	7214.5	7229.6	7232.9	7224.8
28°	7059.1	7063.6	7081.2	7132.8	7173.9	7230.6	7243.7	7283.3	7300.5	7303.1	7292.8
29°	7131.6	7134.0	7150.8	7201.3	7240.3	7300.5	7317.4	7356.0	7375.1	7371.3	7362.1
30°	7210.0	7207.3	7220.7	7269.9	7309.9	7373.0	7397.1	7432.2	7448.9	7441.9	7433.5
31°	7291.3	7280.6	7293.3	7343.2	7378.7	7447.6	7476.8	7509.4	7527.3	7516.3	7506.4
32°	7373.3	7353.7	7364.0	7415.4	7450.4	7517.8	7554.4	7584.5	7603.4	7592.4	7584.0
33°	7461.5	7426.7	7435.5	7485.2	7523.6	7588.6	7632.9	7658.3	7678.1	7669.6	7656.8
34°	7553.9	7501.2	7508.0	7557.2	7594.5	7659.8	7712.9	7731.5	7748.9	7741.3	7733.4
35°	7647.1	7577.3	7584.9	7633.6	7664.0	7732.1	7794.3	7805.2	7818.4	7817.1	7812.9
36°	7740.4	7651.4	7658.7	7705.9	7734.2	7802.4	7876.9	7877.5	7891.0	7895.2	7892.2
37°	7837.3	7721.4	7732.9	7775.7	7805.2	7867.1	7961.4	7949.5	7966.8	7973.6	7975.2
38°	7935.8	7789.2	7804.4	7850.3	7877.0	7933.6	8047.4	8019.1	8041.8	8054.2	8056.8
39°	8034.3	7858.5	7875.8	7923.0	7948.6	8004.6	8140.0	8091.4	8116.5	8135.6	8137.4
40°	8136.4	7932.4	7947.7	7997.4	8021.9	8078.9	8239.7	8169.1	8195.2	8221.5	8222.1
41°	8242.2	8012.5	8024.8	8075.1	8100.5	8159.4	8336.9	8250.1	8277.4	8306.3	8305.3
42°	8344.5	8102.8	8106.2	8158.3	8182.3	8244.2	8428.7	8337.8	8361.0	8395.5	8393.5
43°	8439.4	8200.2	8191.6	8246.6	8273.1	8330.1	8522.2	8425.7	8451.8	8488.1	8485.1
44°	8528.1	8302.6	8282.8	8338.9	8367.4	8423.1	8616.3	8515.1	8545.6	8585.5	8580.6

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8615.6	8403.4	8378.1	8434.9	8461.9	8520.5	8710.7	8607.6	8639.9	8685.5	8679.9
46°	8698.0	8510.7	8480.1	8536.8	8563.6	8621.2	8799.1	8708.1	8740.6	8788.5	8783.7
47°	8775.4	8624.3	8589.9	8638.8	8666.5	8726.8	8881.8	8812.8	8843.2	8895.6	8889.0
48°	8852.3	8744.1	8702.2	8746.6	8769.7	8831.7	8963.6	8919.8	8949.0	9006.3	9000.9
49°	8933.4	8869.6	8817.9	8858.9	8880.1	8938.9	9041.3	9025.0	9053.4	9116.1	9115.9
50°	9018.9	9001.9	8938.6	8973.3	8997.2	9051.5	9115.9	9133.8	9163.3	9230.3	9235.0
51°	9109.2	9136.8	9065.8	9092.9	9109.8	9162.4	9187.3	9241.7	9273.1	9347.2	9357.1
52°	9199.1	9275.4	9196.6	9219.2	9232.3	9276.6	9252.4	9352.1	9386.7	9467.2	9482.5
53°	9301.7	9418.9	9330.8	9355.8	9353.2	9383.2	9315.2	9455.6	9501.2	9591.7	9612.7
54°	9410.6	9559.4	9473.3	9493.7	9476.5	9483.4	9380.8	9555.5	9621.6	9718.1	9744.1
55°	9521.2	9697.4	9621.3	9638.3	9599.9	9580.2	9445.1	9649.9	9737.0	9852.0	9877.6
56°	9631.8	9832.3	9772.2	9788.5	9726.2	9679.2	9510.7	9742.3	9852.0	9987.9	10009.6
57°	9740.5	9960.3	9925.8	9939.6	9851.0	9775.6	9575.3	9829.8	9970.2	10132.7	10139.6
58°	9841.9	10082.5	10076.6	10100.2	9977.1	9860.8	9639.1	9910.1	10084.4	10279.5	10260.7
59°	9948.5	10189.8	10233.2	10260.7	10101.2	9935.7	9694.8	9984.9	10196.7	10430.2	10371.1
60°	10049.0	10294.2	10387.8	10427.2	10223.3	10001.7	9741.3	10050.9	10307.0	10583.8	10475.5
61°	10134.7	10383.9	10551.3	10595.6	10339.5	10053.9	9777.3	10103.1	10420.3	10740.4	10586.8
62°	10207.6	10461.7	10711.9	10762.1	10458.7	10089.4	9801.9	10146.5	10532.6	10893.1	10703.0
63°	10282.4	10536.5	10872.4	10929.6	10576.9	10116.9	9819.4	10182.9	10641.0	11042.8	10811.4
64°	10376.0	10608.4	11028.1	11099.0	10684.3	10131.7	9826.7	10205.6	10747.3	11190.6	10912.8
65°	10478.4	10693.2	11186.6	11271.4	10791.7	10141.6	9827.3	10222.3	10850.8	11324.5	11007.4
66°	10540.5	10783.8	11336.4	11434.9	10891.1	10145.5	9800.2	10225.3	10943.4	11450.6	11102.9
67°	10551.3	10854.7	11464.4	11586.6	10969.9	10125.8	9746.0	10200.7	11022.2	11557.0	11184.7
68°	10544.4	10877.4	11584.6	11732.3	11046.8	10054.9	9612.8	10142.5	11087.2	11648.6	11246.7
69°	10429.2	10843.9	11695.9	11853.5	11088.1	9924.9	9321.8	10017.4	11128.5	11713.6	11258.6
70°	10021.4	10721.7	11766.8	11944.1	11082.2	9664.4	8860.1	9784.7	11124.6	11755.0	11232.0
71°	9210.1	10383.9	11766.8	11990.4	11033.0	9262.3	8174.5	9405.6	11052.7	11753.0	11166.9
72°	8149.7	9743.4	11665.4	11977.6	10917.7	8724.5	7444.2	8851.1	10907.9	11701.8	11002.4
73°	7124.4	8853.5	11464.4	11908.7	10725.7	8086.8	6790.4	8168.0	10667.6	11554.1	10732.6
74°	6134.5	7859.8	11136.4	11743.2	10423.3	7456.9	6245.8	7460.2	10338.6	11292.0	10329.7
75°	4668.9	6756.8	10630.1	11415.2	10061.8	6834.0	5612.3	6798.0	9900.2	10889.2	9685.0
76°	2721.0	5321.5	9863.8	10923.7	9592.9	6045.4	4500.8	6098.0	9361.4	10339.5	8807.8
77°	1070.6	3383.6	8834.7	10119.9	8966.1	4843.9	3168.4	5000.2	8688.3	9519.0	7754.9
78°	781.1	1535.8	7552.9	8954.6	8043.8	3235.6	1835.8	3543.0	7827.3	8346.5	6463.2
79°	518.9	1090.9	5821.7	7408.8	6757.8	1608.7	515.6	2085.9	6605.1	6761.3	4735.8
80°	256.6	681.7	3606.3	5489.6	5003.2	1144.8	292.4	641.6	4936.0	4925.0	3361.6
81°	227.7	272.6	1707.7	3479.1	2924.0	706.9	258.1	320.2	3461.9	3462.6	1987.3
82°	201.4	234.8	1229.8	1558.7	1254.6	269.0	223.7	264.7	1987.8	2000.1	620.0
83°	175.7	201.0	758.9	1143.5	904.9	218.4	189.6	228.2	525.3	539.0	335.3
84°	149.2	169.0	288.1	739.5	575.9	184.4	162.4	191.7	310.2	344.1	255.5
85°	121.7	137.7	217.5	335.5	247.0	151.4	134.8	158.4	243.3	286.9	176.6
86°	90.2	108.0	166.3	265.9	181.8	119.9	106.9	126.3	176.6	228.7	125.1
87°	61.3	80.2	126.0	198.2	139.4	91.7	77.8	97.8	133.8	170.5	87.6
88°	32.5	52.4	86.9	123.1	99.8	63.8	50.0	70.5	95.8	106.7	54.2
89°	13.3	24.7	46.5	64.7	54.5	36.0	35.1	48.9	65.9	73.4	38.3

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0	6105.0
1°	6107.6	6110.1	6111.4	6112.5	6113.1	6114.1	6114.4	6108.4	6108.1	6107.5	6105.5
2°	6113.1	6118.1	6120.4	6123.1	6122.9	6124.4	6123.5	6119.0	6116.7	6113.8	6109.9
3°	6124.0	6129.2	6133.3	6135.3	6136.4	6136.7	6136.1	6131.2	6126.7	6122.5	6116.7
4°	6137.1	6142.9	6147.6	6150.5	6152.5	6153.3	6150.8	6143.3	6139.1	6134.2	6126.4
5°	6151.6	6158.4	6164.0	6168.9	6170.7	6170.5	6167.2	6159.1	6152.1	6146.5	6137.8
6°	6168.8	6177.3	6183.0	6188.3	6190.9	6190.5	6187.2	6177.8	6170.3	6161.1	6149.8
7°	6190.8	6199.3	6205.4	6211.6	6214.2	6213.8	6209.2	6200.4	6190.2	6180.0	6165.5
8°	6216.6	6224.3	6231.5	6239.4	6240.6	6240.3	6235.7	6224.5	6214.1	6203.0	6184.8
9°	6246.9	6253.7	6261.5	6269.4	6271.4	6268.5	6262.3	6251.3	6241.1	6229.4	6207.8
10°	6278.0	6285.5	6293.2	6303.2	6305.1	6301.0	6294.9	6284.7	6272.2	6256.9	6234.3
11°	6315.5	6324.2	6331.6	6340.3	6344.0	6340.5	6333.1	6323.8	6310.3	6290.0	6265.0
12°	6357.1	6366.1	6373.7	6381.7	6387.8	6385.3	6377.2	6369.5	6353.6	6330.0	6298.0
13°	6402.6	6412.0	6418.7	6427.8	6435.1	6433.6	6424.9	6416.9	6400.2	6374.7	6336.3
14°	6449.7	6459.3	6467.2	6477.4	6486.6	6487.1	6475.6	6466.2	6448.6	6421.0	6378.6
15°	6500.2	6511.4	6517.7	6531.8	6542.5	6541.3	6530.1	6520.8	6501.0	6469.4	6426.6
16°	6555.7	6565.9	6574.2	6589.1	6605.0	6601.7	6588.4	6581.6	6557.7	6522.1	6477.2
17°	6611.9	6622.7	6631.7	6649.7	6667.8	6662.1	6649.8	6643.6	6619.4	6579.7	6529.9
18°	6669.1	6679.0	6689.5	6711.7	6732.2	6725.9	6714.9	6708.9	6681.3	6638.4	6584.6
19°	6729.2	6737.5	6749.1	6775.3	6797.9	6790.8	6780.9	6775.3	6745.4	6701.4	6641.6
20°	6789.6	6795.3	6811.5	6838.8	6866.1	6859.3	6850.4	6843.8	6812.5	6764.1	6700.6
21°	6850.5	6855.1	6876.7	6906.6	6939.2	6929.9	6922.7	6915.1	6884.8	6828.5	6762.8
22°	6911.4	6916.0	6940.6	6972.5	7010.0	7002.8	6997.4	6983.0	6955.0	6893.5	6826.0
23°	6974.2	6977.6	7006.5	7043.4	7082.1	7074.9	7071.6	7050.5	7026.2	6964.1	6892.4
24°	7038.7	7043.2	7074.7	7111.4	7152.7	7151.1	7144.9	7116.5	7096.2	7035.5	6958.4
25°	7105.5	7111.4	7145.2	7183.3	7223.4	7227.2	7216.4	7184.7	7167.4	7104.3	7025.0
26°	7173.5	7183.3	7218.1	7257.2	7294.6	7304.7	7292.8	7253.7	7238.7	7172.2	7089.2
27°	7243.9	7256.4	7293.3	7329.1	7364.0	7381.0	7367.5	7324.3	7312.0	7241.9	7155.4
28°	7317.5	7335.1	7369.5	7400.9	7438.1	7459.9	7444.8	7401.5	7385.9	7311.9	7226.6
29°	7392.7	7416.3	7448.8	7472.7	7512.3	7537.7	7523.5	7485.1	7461.1	7382.8	7297.2
30°	7468.9	7498.8	7527.4	7546.3	7588.2	7614.4	7604.3	7569.4	7538.6	7452.6	7369.0
31°	7544.6	7585.4	7605.9	7622.8	7666.0	7689.1	7684.6	7654.1	7614.3	7525.4	7442.0
32°	7621.4	7673.9	7685.8	7698.9	7742.4	7764.9	7759.6	7730.9	7686.7	7596.8	7519.5
33°	7697.8	7765.4	7764.6	7774.4	7818.3	7836.6	7834.9	7808.2	7755.9	7670.5	7596.2
34°	7777.7	7855.1	7841.5	7852.5	7893.7	7906.1	7905.5	7885.9	7825.6	7741.7	7672.8
35°	7855.6	7949.3	7918.9	7930.8	7968.6	7975.2	7975.9	7964.9	7889.7	7813.5	7748.1
36°	7935.9	8044.7	7997.7	8008.9	8042.0	8045.8	8041.0	8044.1	7949.8	7882.6	7821.8
37°	8014.6	8138.6	8073.9	8088.9	8115.5	8118.6	8106.6	8131.0	8016.1	7953.7	7897.2
38°	8089.8	8233.9	8146.7	8167.2	8193.8	8191.9	8175.9	8223.5	8085.6	8023.7	7974.6
39°	8165.0	8333.5	8222.7	8244.4	8278.6	8268.7	8245.7	8320.0	8156.7	8101.1	8050.3
40°	8247.0	8436.0	8305.0	8327.0	8364.7	8346.5	8322.8	8420.0	8233.4	8181.2	8126.6
41°	8333.9	8535.4	8396.1	8411.6	8452.3	8429.7	8401.1	8526.0	8320.1	8265.7	8209.4
42°	8422.5	8633.9	8489.4	8500.8	8545.9	8515.7	8490.6	8632.1	8414.0	8350.5	8299.9
43°	8512.0	8730.8	8585.7	8595.0	8641.7	8604.0	8592.6	8734.3	8517.1	8441.3	8392.8
44°	8610.4	8824.2	8685.5	8691.5	8739.9	8697.3	8696.4	8825.6	8620.8	8534.4	8490.6

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	8712.3	8916.8	8789.5	8791.6	8842.0	8796.8	8803.2	8909.3	8724.4	8637.7	8593.1
46°	8824.3	9011.4	8900.7	8897.2	8940.7	8902.4	8904.5	8993.8	8828.3	8746.3	8700.0
47°	8940.6	9104.0	9020.7	9006.9	9046.4	9013.8	9013.6	9075.5	8935.9	8859.8	8809.2
48°	9066.7	9186.7	9141.2	9117.4	9151.5	9128.9	9126.6	9149.4	9046.6	8971.6	8921.6
49°	9193.0	9271.4	9266.3	9229.4	9263.1	9244.8	9241.2	9216.7	9160.9	9083.2	9037.6
50°	9318.2	9358.7	9392.0	9349.4	9379.1	9362.9	9357.4	9283.2	9275.5	9195.2	9159.0
51°	9444.1	9450.3	9517.3	9468.6	9497.3	9475.0	9468.2	9349.8	9390.1	9311.4	9286.3
52°	9571.6	9538.6	9644.4	9597.7	9623.6	9590.3	9578.0	9417.8	9493.9	9429.8	9416.3
53°	9700.3	9623.3	9771.6	9725.7	9751.6	9706.4	9679.0	9483.2	9594.7	9547.6	9552.1
54°	9823.5	9705.7	9890.4	9858.9	9884.5	9825.5	9773.1	9549.7	9693.0	9668.0	9694.5
55°	9936.7	9788.5	9998.7	9992.8	10021.4	9939.6	9857.9	9611.7	9782.6	9779.6	9840.6
56°	10030.3	9865.8	10092.3	10125.8	10162.2	10053.9	9934.7	9670.8	9862.8	9897.3	9991.8
57°	10109.1	9941.6	10178.0	10262.7	10312.0	10164.2	10007.6	9726.3	9930.8	10015.5	10145.5
58°	10180.0	10013.5	10252.9	10382.9	10459.7	10272.6	10070.6	9778.2	9991.8	10123.8	10298.2
59°	10246.0	10081.5	10320.8	10491.2	10609.4	10378.9	10125.8	9814.9	10045.0	10233.2	10451.8
60°	10306.1	10141.6	10377.0	10602.5	10766.1	10478.4	10168.2	9841.3	10087.4	10350.4	10611.4
61°	10353.3	10195.7	10420.3	10721.7	10914.8	10575.9	10200.7	9869.7	10117.9	10462.7	10774.9
62°	10387.8	10250.9	10457.7	10837.0	11061.6	10678.4	10220.4	9889.4	10144.5	10570.0	10939.4
63°	10427.2	10302.1	10497.1	10939.4	11199.4	10781.8	10235.1	9892.4	10164.2	10678.4	11103.9
64°	10463.7	10353.3	10542.5	11027.1	11335.4	10876.4	10240.1	9882.5	10173.1	10779.8	11263.5
65°	10497.1	10363.2	10572.0	11107.8	11458.5	10967.0	10229.2	9844.9	10162.2	10871.4	11410.2
66°	10510.0	10294.2	10562.2	11193.5	11568.8	11047.8	10193.8	9759.1	10129.7	10952.2	11548.1
67°	10478.4	10210.5	10515.9	11258.6	11662.4	11096.0	10110.0	9614.4	10042.1	11020.2	11680.1
68°	10420.3	10071.6	10449.9	11304.8	11725.4	11101.0	9988.9	9342.3	9898.3	11059.6	11801.3
69°	10292.3	9746.8	10302.1	11298.9	11760.9	11063.5	9787.2	8848.0	9652.6	11043.8	11889.9
70°	10036.2	9190.7	10007.6	11242.8	11761.9	10981.8	9447.8	8138.7	9235.1	10969.0	11947.1
71°	9591.4	8359.3	9510.8	11120.7	11714.6	10836.0	8918.8	7368.8	8642.1	10836.0	11958.9
72°	8877.2	7336.3	8740.5	10905.9	11592.5	10637.0	8235.6	6751.6	7951.0	10637.0	11909.6
73°	7910.2	6262.4	7790.2	10598.6	11343.3	10338.6	7547.1	6234.2	7305.0	10306.1	11763.9
74°	6817.0	5184.6	6718.7	10111.0	10949.3	9944.6	6910.3	5576.0	6667.7	9886.4	11486.1
75°	5658.9	3833.8	5503.7	9360.8	10456.8	9450.2	6178.3	4379.0	5902.7	9371.5	11059.6
76°	4347.1	2424.9	4158.2	8413.4	9779.0	8812.9	5088.6	2771.5	4731.0	8724.0	10427.2
77°	3093.5	1017.9	2966.3	7275.7	8781.2	7943.8	3589.0	1253.6	3189.3	7885.8	9448.2
78°	1839.8	421.8	1774.5	5852.7	7395.0	6757.4	2089.5	914.6	1582.9	6748.9	7979.2
79°	607.4	270.1	585.3	4071.1	5720.4	5193.7	596.7	585.9	1120.1	5152.8	6144.4
80°	317.5	230.4	316.8	2608.1	4065.0	3663.5	320.8	257.2	696.7	3156.4	4162.8
81°	265.7	190.7	264.0	1145.6	2409.6	2133.3	271.6	222.4	273.2	1405.1	2154.0
82°	213.9	162.3	211.1	469.7	790.0	628.1	237.3	194.7	226.2	1003.7	742.2
83°	162.3	136.2	158.8	366.3	398.8	345.3	202.9	167.0	193.7	631.7	544.5
84°	131.5	112.7	128.1	262.8	323.7	281.7	168.6	138.9	160.8	259.7	349.2
85°	101.1	86.2	97.1	160.5	263.3	218.0	137.0	109.6	128.8	193.9	292.1
86°	72.9	58.3	68.9	115.0	202.8	154.4	107.3	82.0	99.5	149.2	230.6
87°	51.6	40.4	48.8	77.0	142.7	114.4	79.8	54.5	71.4	110.5	158.1
88°	30.3	22.6	28.7	53.6	97.4	78.3	55.1	27.0	43.3	89.1	80.0
89°	9.2	4.9	8.9	30.2	52.1	54.3	30.4	8.6	15.2	67.8	60.8

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6105.0	6105.0	6105.0
1°	6104.2	6102.3	6104.0
2°	6106.5	6103.6	6103.6
3°	6110.8	6107.5	6107.2
4°	6118.3	6113.8	6111.3
5°	6128.4	6121.0	6117.2
6°	6139.8	6130.7	6127.2
7°	6154.1	6143.5	6138.8
8°	6170.0	6157.7	6152.5
9°	6189.5	6176.0	6170.0
10°	6211.9	6198.3	6191.1
11°	6240.2	6223.1	6217.5
12°	6271.3	6253.3	6246.2
13°	6304.0	6284.7	6278.4
14°	6340.2	6320.7	6314.5
15°	6382.2	6361.9	6355.8
16°	6429.1	6406.2	6398.5
17°	6478.7	6452.7	6443.6
18°	6530.2	6500.0	6489.3
19°	6585.2	6550.4	6536.9
20°	6642.0	6602.4	6587.1
21°	6701.0	6656.7	6637.6
22°	6760.8	6712.7	6688.9
23°	6822.3	6773.5	6743.5
24°	6884.7	6836.2	6799.8
25°	6948.9	6902.5	6860.8
26°	7014.2	6970.4	6922.2
27°	7081.2	7039.2	6989.3
28°	7150.2	7108.8	7059.1
29°	7219.4	7179.9	7131.6
30°	7289.9	7252.6	7210.0
31°	7361.8	7326.8	7291.3
32°	7435.6	7397.4	7373.3
33°	7511.0	7472.3	7461.5
34°	7586.3	7548.8	7553.9
35°	7664.2	7625.4	7647.1
36°	7742.8	7698.6	7740.4
37°	7817.0	7769.6	7837.3
38°	7894.6	7838.5	7935.8
39°	7971.5	7908.3	8034.3
40°	8048.1	7983.2	8136.4
41°	8127.0	8068.3	8242.2
42°	8211.8	8159.6	8344.5
43°	8301.4	8256.9	8439.4
44°	8399.6	8359.4	8528.1

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8502.0	8465.3	8615.6
46°	8614.3	8574.3	8698.0
47°	8729.0	8693.1	8775.4
48°	8843.8	8814.2	8852.3
49°	8965.5	8942.5	8933.4
50°	9087.2	9076.6	9018.9
51°	9218.2	9213.6	9109.2
52°	9352.7	9357.0	9199.1
53°	9488.2	9495.3	9301.7
54°	9634.1	9638.3	9410.6
55°	9779.8	9776.8	9521.2
56°	9928.8	9913.0	9631.8
57°	10079.5	10044.0	9740.5
58°	10234.2	10161.3	9841.9
59°	10391.8	10266.7	9948.5
60°	10554.3	10368.1	10049.0
61°	10712.9	10470.6	10134.7
62°	10871.4	10570.0	10207.6
63°	11032.0	10649.8	10282.4
64°	11188.6	10710.9	10376.0
65°	11346.2	10785.8	10478.4
66°	11497.9	10888.2	10540.5
67°	11631.9	10956.2	10551.3
68°	11726.4	10964.0	10544.4
69°	11821.0	10908.9	10429.2
70°	11876.1	10775.9	10021.4
71°	11844.6	10447.9	9210.1
72°	11685.1	9796.5	8149.7
73°	11460.5	8878.9	7124.4
74°	11113.8	7853.8	6134.5
75°	10467.6	6707.5	4668.9
76°	9582.6	5254.4	2721.0
77°	8516.2	3387.1	1070.6
78°	7150.5	1593.2	781.1
79°	5227.0	1129.7	518.9
80°	2895.7	707.7	256.6
81°	1286.8	285.7	227.7
82°	927.0	235.1	201.4
83°	594.2	201.2	175.7
84°	261.4	168.3	149.2
85°	199.6	135.0	121.7
86°	155.1	103.9	90.2
87°	114.1	75.9	61.3
88°	91.7	47.9	32.5
89°	69.8	19.9	13.3

REPORT NUMBER: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

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: P1445084

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)