

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: P1436817

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436817
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-300W-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

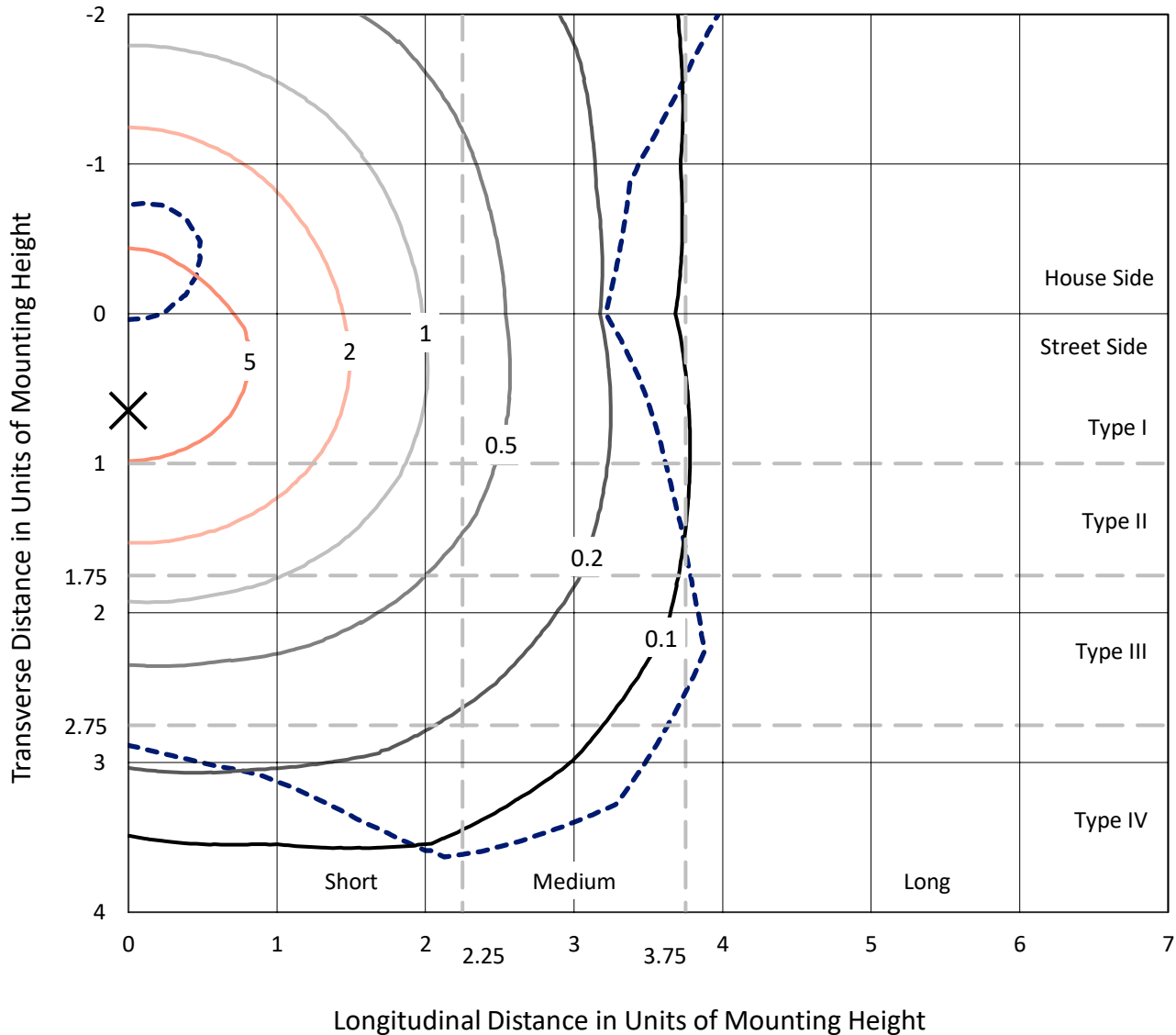
Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 44851.6 lumens
Efficiency: 96.3%
Efficacy: 156.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G5

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

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Iso-Footcandle Lines of Horizontal Illumination

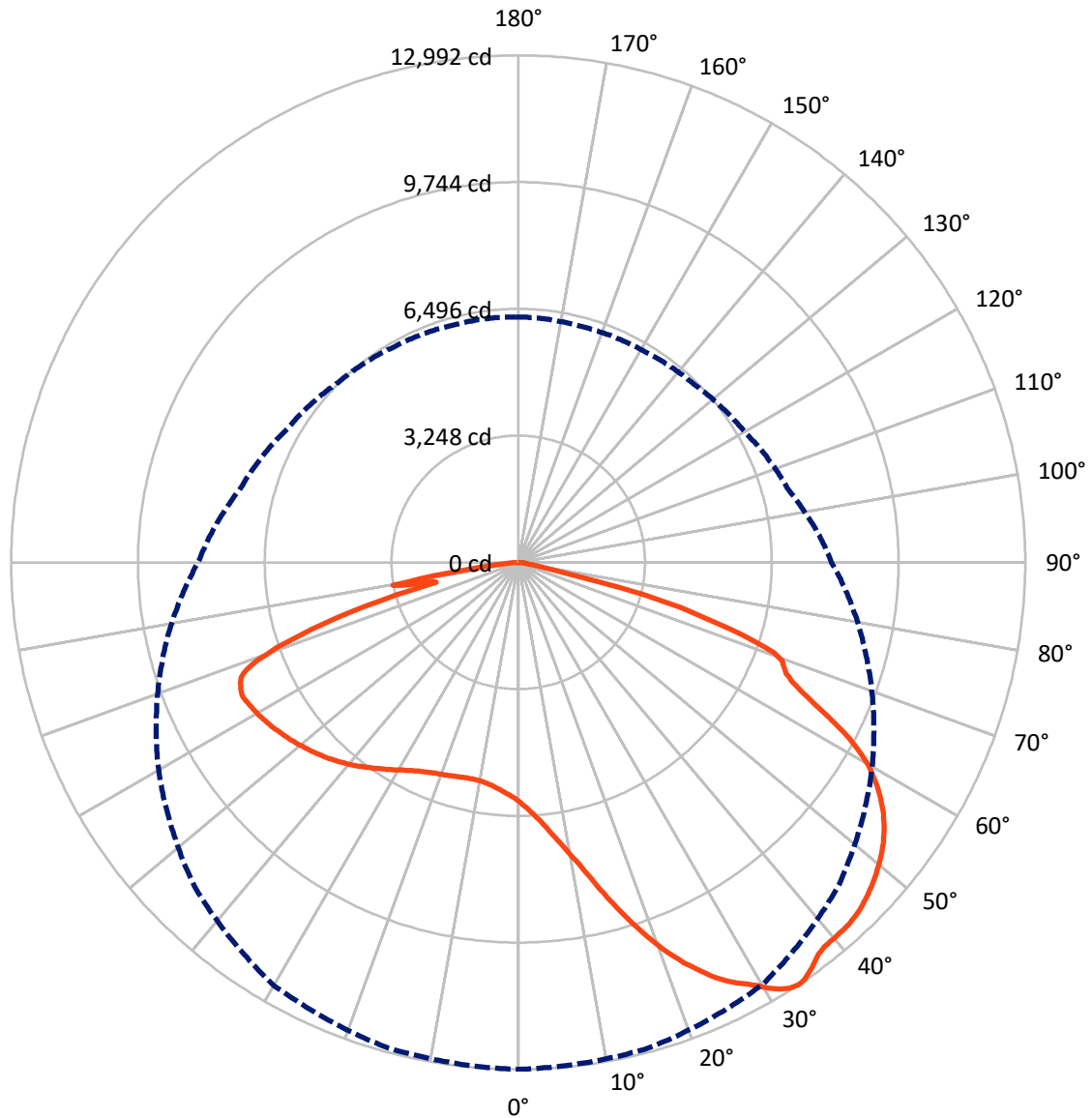
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - Semi-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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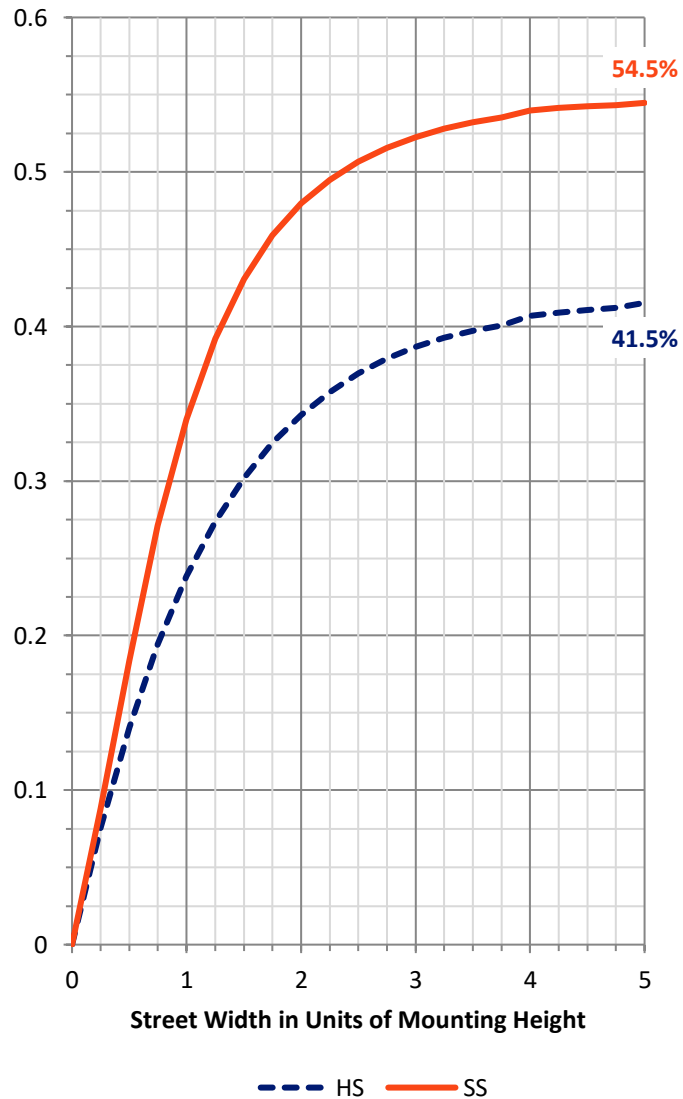
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19518.0	0.0	19518.0
	% Lamp	41.9	0.0	41.9
Street Side	Lumens	25333.6	0.0	25333.6
	% Lamp	54.4	0.0	54.4
Total	Lumens	44851.6	0.0	44851.6
	% Lamp	96.3	0.0	96.3

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	605.9	1.4	1.3
10°-20°	2004.4	4.5	4.3
20°-30°	3784.9	8.4	8.1
30°-40°	5703.9	12.7	12.3
40°-50°	7373.0	16.4	15.8
50°-60°	8830.6	19.7	19.0
60°-70°	9380.5	20.9	20.1
70°-80°	6427.9	14.3	13.8
80°-90°	740.4	1.7	1.6
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	96.3
0°-180°	44851.6	100.0	96.3

Coefficient of Utilization



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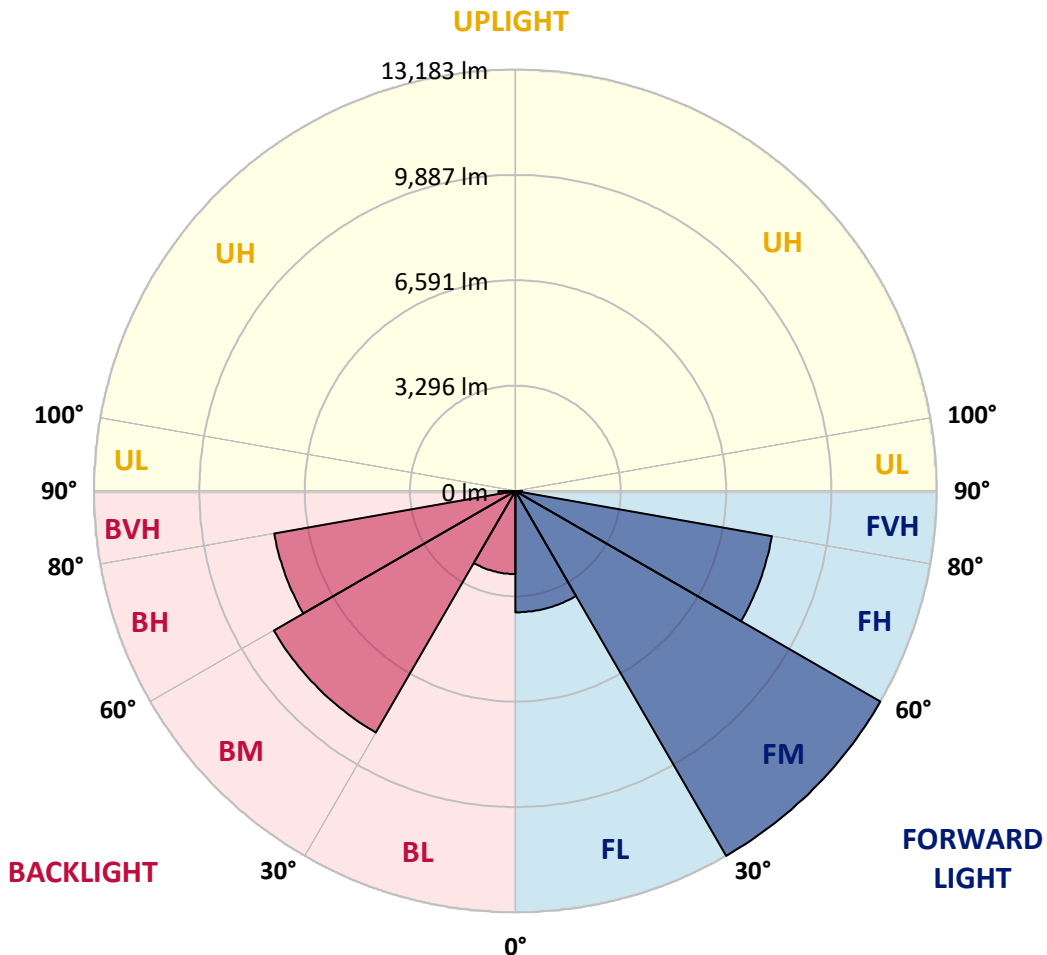
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3795.8	8.2			
FM (30°-60°)	13183.0	28.3			
FH (60°-80°)	8149.6	17.5			G4/12000
FVH (80°-90°)	205.3	0.4			G2/225
BL (0°-30°)	2599.4	5.6	B4/5000		
BM (30°-60°)	8724.6	18.7	B5		
BH (60°-80°)	7658.9	16.4	B5		G5
BVH (80°-90°)	535.1	1.1			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	1709.4	3.7			

BUG Rating: B5-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3
1°	6248.7	6246.5	6240.1	6230.7	6213.6	6192.1	6149.1	6126.8	6107.5	6091.5	6081.0
2°	6352.2	6345.6	6328.5	6301.3	6261.9	6218.1	6151.9	6108.3	6068.8	6037.9	6017.0
3°	6469.5	6457.8	6427.7	6378.1	6317.1	6248.9	6160.0	6094.4	6036.9	5993.1	5962.9
4°	6600.9	6583.2	6537.9	6467.8	6380.1	6286.2	6171.9	6085.0	6011.8	5955.1	5916.8
5°	6745.8	6721.3	6657.5	6565.3	6452.8	6330.4	6190.3	6082.4	5991.8	5924.7	5878.3
6°	6906.4	6875.8	6797.0	6674.0	6531.1	6377.4	6211.8	6083.1	5975.9	5898.2	5842.2
7°	7079.8	7043.6	6943.3	6793.6	6614.7	6428.2	6234.6	6085.7	5965.2	5874.8	5810.6
8°	7264.4	7222.1	7102.6	6922.9	6705.0	6484.1	6262.1	6092.9	5958.2	5855.1	5784.8
9°	7468.9	7421.3	7277.6	7061.6	6804.0	6545.5	6293.6	6102.0	5952.1	5839.6	5763.7
10°	7689.7	7627.2	7460.6	7210.9	6910.8	6611.0	6329.7	6113.7	5947.2	5830.5	5748.8
11°	7928.9	7858.0	7662.1	7368.8	7023.4	6682.0	6367.5	6128.9	5945.8	5823.4	5739.4
12°	8186.0	8099.4	7873.2	7539.2	7144.0	6759.0	6409.6	6149.3	5949.5	5820.6	5735.0
13°	8463.5	8361.9	8102.4	7718.1	7270.7	6840.1	6459.4	6172.8	5957.7	5820.9	5736.0
14°	8756.1	8642.6	8340.1	7909.4	7408.9	6928.9	6515.0	6200.2	5968.3	5825.5	5741.8
15°	9060.6	8931.7	8587.7	8110.2	7551.7	7020.9	6572.3	6230.9	5982.2	5833.8	5750.7
16°	9374.0	9224.4	8844.2	8316.6	7704.0	7119.8	6634.4	6268.1	6000.0	5844.7	5763.1
17°	9683.0	9521.0	9106.1	8524.4	7860.9	7225.1	6702.1	6307.1	6023.3	5860.6	5779.7
18°	9988.3	9814.9	9366.8	8741.4	8021.8	7335.8	6773.9	6350.6	6048.7	5880.8	5799.5
19°	10286.0	10103.9	9628.6	8954.0	8184.6	7448.7	6845.8	6396.7	6078.6	5902.1	5821.0
20°	10575.9	10379.4	9879.5	9166.0	8351.2	7562.7	6920.8	6446.5	6110.8	5928.9	5846.3
21°	10847.6	10648.2	10128.0	9378.2	8520.7	7683.2	6999.2	6498.6	6146.3	5957.2	5870.6
22°	11104.8	10902.5	10361.1	9585.3	8688.5	7808.0	7078.3	6551.0	6185.0	5988.6	5898.6
23°	11342.7	11149.1	10591.4	9790.9	8860.9	7934.1	7157.3	6603.2	6225.1	6022.1	5927.8
24°	11573.0	11380.3	10812.0	9987.4	9024.8	8059.1	7233.9	6656.1	6266.8	6055.6	5958.9
25°	11792.6	11605.7	11029.7	10182.0	9189.9	8180.7	7311.7	6707.9	6309.5	6091.6	5990.8
26°	11978.5	11806.1	11239.7	10372.7	9350.0	8306.1	7392.1	6761.3	6354.3	6128.2	6023.1
27°	12149.0	11988.1	11443.9	10555.7	9509.4	8434.4	7472.7	6813.7	6399.2	6165.0	6057.1
28°	12302.2	12149.0	11631.7	10738.7	9667.6	8562.1	7557.0	6866.8	6444.9	6204.1	6091.2
29°	12465.9	12307.9	11809.9	10917.9	9819.8	8693.6	7645.7	6924.0	6493.0	6241.8	6129.5
30°	12660.5	12493.9	11984.3	11098.0	9972.0	8830.0	7738.7	6984.7	6541.7	6282.7	6168.1
31°	12823.3	12668.2	12176.0	11282.0	10130.9	8964.0	7833.7	7046.0	6592.0	6324.8	6209.6
32°	12944.7	12805.0	12353.2	11466.0	10294.7	9095.5	7933.3	7107.6	6643.1	6369.3	6251.7
33°	12991.9	12885.0	12500.6	11644.2	10471.9	9226.7	8030.6	7169.7	6694.3	6414.3	6293.5
34°	12964.9	12880.1	12599.8	11805.1	10644.3	9373.6	8132.4	7233.2	6741.4	6457.7	6335.0
35°	12872.4	12806.9	12618.1	11931.3	10794.6	9529.3	8237.9	7298.8	6789.6	6504.2	6381.0
36°	12750.1	12700.0	12572.8	12014.1	10929.5	9681.1	8347.5	7366.8	6838.8	6552.6	6430.2
37°	12647.0	12576.7	12495.8	12032.4	11030.6	9812.1	8455.8	7432.3	6891.9	6602.8	6486.6
38°	12598.9	12496.7	12415.8	12010.3	11108.6	9924.8	8569.1	7493.6	6945.6	6658.9	6545.2
39°	12581.5	12456.3	12358.0	11980.4	11145.3	10019.2	8684.9	7559.6	7000.8	6719.8	6606.4
40°	12575.7	12436.1	12330.1	11965.0	11156.8	10089.5	8789.8	7630.7	7058.6	6787.5	6670.4
41°	12570.9	12422.6	12321.4	11965.0	11174.1	10139.6	8878.9	7708.4	7119.4	6852.5	6733.4
42°	12556.5	12412.0	12320.5	11983.3	11207.9	10184.9	8951.8	7781.3	7185.3	6923.9	6798.7
43°	12528.5	12396.6	12319.5	12015.1	11249.3	10238.8	9011.4	7847.5	7255.6	6996.3	6860.7
44°	12484.2	12377.3	12315.6	12051.7	11299.4	10308.2	9070.1	7911.8	7330.2	7074.1	6922.3



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12425.5	12344.5	12307.0	12085.4	11356.2	10385.2	9133.9	7979.5	7404.6	7151.3	6981.9
46°	12353.2	12302.2	12292.5	12113.4	11419.8	10462.3	9203.1	8051.3	7482.6	7227.9	7040.4
47°	12275.2	12256.9	12275.2	12133.6	11484.3	10542.2	9269.4	8130.6	7559.7	7302.6	7101.4
48°	12192.3	12205.8	12252.1	12148.0	11546.9	10623.1	9337.7	8214.7	7637.4	7377.3	7161.2
49°	12106.6	12152.9	12219.3	12157.7	11609.6	10701.2	9402.2	8299.0	7718.7	7450.4	7226.9
50°	12014.1	12097.9	12179.8	12161.5	11667.4	10779.2	9462.7	8387.3	7799.8	7522.8	7293.1
51°	11909.1	12034.4	12132.6	12160.6	11720.3	10851.4	9517.7	8475.2	7879.9	7596.6	7365.5
52°	11791.6	11956.3	12078.7	12153.8	11774.3	10923.7	9567.7	8562.8	7959.8	7672.4	7442.2
53°	11661.6	11868.7	12020.9	12146.1	11819.6	10987.3	9612.4	8646.8	8043.7	7751.3	7523.4
54°	11515.2	11756.0	11958.3	12129.7	11858.1	11046.0	9657.9	8725.7	8131.4	7834.7	7609.3
55°	11352.4	11624.0	11888.9	12107.6	11891.8	11098.0	9699.4	8800.0	8219.3	7921.2	7697.8
56°	11167.4	11471.8	11803.2	12073.9	11918.8	11143.3	9738.8	8871.4	8308.8	8013.7	7785.2
57°	10958.4	11296.5	11700.1	12029.5	11936.1	11181.9	9773.5	8940.3	8401.3	8113.4	7872.2
58°	10726.2	11094.2	11573.9	11976.6	11942.9	11211.7	9799.5	9002.7	8497.9	8218.8	7955.9
59°	10478.7	10864.0	11434.2	11916.8	11937.1	11229.1	9818.8	9059.4	8589.9	8326.1	8033.3
60°	10182.0	10606.8	11272.4	11845.6	11916.8	11232.9	9828.4	9110.5	8682.6	8438.8	8107.0
61°	9814.0	10307.2	11092.3	11756.9	11879.3	11214.6	9824.6	9150.2	8778.5	8555.6	8189.5
62°	9376.1	9947.9	10890.0	11651.0	11835.0	11174.1	9807.2	9180.4	8876.4	8675.4	8272.8
63°	8884.6	9533.0	10658.8	11523.8	11772.4	11125.0	9785.1	9204.2	8973.3	8796.0	8355.8
64°	8398.1	9094.1	10400.6	11377.4	11686.6	11053.7	9749.4	9212.0	9066.0	8920.3	8434.1
65°	7975.8	8683.5	10121.3	11205.9	11586.4	10962.2	9693.6	9209.7	9155.2	9040.7	8510.0
66°	7640.6	8307.2	9820.7	11011.4	11464.1	10857.2	9607.8	9198.7	9230.7	9160.3	8587.7
67°	7426.1	7991.9	9526.6	10783.1	11302.3	10707.9	9481.5	9153.1	9299.8	9268.7	8657.7
68°	7316.2	7760.7	9245.4	10523.9	11110.6	10505.6	9279.5	9067.9	9358.1	9374.0	8721.1
69°	7220.7	7598.6	8985.3	10236.9	10869.8	10242.6	8960.7	8908.4	9396.8	9465.3	8755.1
70°	6950.7	7456.1	8743.6	9926.7	10576.9	9872.7	8467.8	8631.9	9393.7	9545.9	8774.9
71°	6414.4	7205.1	8531.9	9609.7	10233.0	9371.7	7759.7	8220.6	9330.2	9601.5	8775.8
72°	5699.4	6771.2	8324.7	9286.2	9833.3	8752.1	6985.4	7683.0	9190.2	9626.1	8718.2
73°	4983.5	6162.4	8088.2	8972.5	9369.3	8028.5	6266.0	7076.5	8946.6	9586.1	8609.2
74°	4320.9	5485.1	7796.0	8646.6	8831.0	7276.2	5610.2	6499.9	8627.7	9465.0	8426.9
75°	3357.8	4740.2	7417.2	8252.8	8236.7	6485.0	4844.0	5946.4	8241.2	9238.6	8090.3
76°	2053.6	3817.5	6884.7	7807.5	7584.9	5627.1	3704.0	5242.2	7846.5	8876.5	7631.5
77°	908.9	2521.7	6200.6	7180.1	6851.8	4511.9	2404.6	4160.9	7405.4	8283.2	7120.1
78°	683.1	1220.5	5328.4	6337.8	5966.6	3099.7	1113.5	2957.3	6851.5	7408.8	6476.7
79°	473.0	890.9	4210.0	5280.8	4911.6	1710.4	452.1	1753.6	5951.5	6246.7	5603.9
80°	263.0	580.6	2717.3	3994.5	3659.6	782.4	301.0	563.7	4550.0	4973.7	4708.0
81°	229.3	270.3	1376.3	2620.6	2231.7	538.1	260.1	341.0	3222.6	3838.8	3960.8
82°	201.9	231.5	1005.9	1281.2	1033.6	308.8	228.8	278.5	1895.3	2895.4	3486.6
83°	175.1	199.9	648.4	949.7	746.0	254.0	197.6	236.3	593.7	2311.1	3249.2
84°	148.2	168.9	290.9	628.5	485.8	212.6	166.3	194.1	390.7	1727.0	2461.7
85°	120.5	138.0	215.8	307.3	225.6	172.8	137.2	151.9	314.6	1145.0	1674.3
86°	90.4	109.1	158.1	250.8	172.4	132.9	108.0	119.0	252.7	704.8	903.3
87°	65.5	82.0	118.1	192.0	130.5	97.1	77.8	89.3	190.8	490.2	630.6
88°	40.7	55.0	81.6	125.8	93.4	67.8	49.7	63.1	129.5	275.7	358.0
89°	16.0	28.1	45.2	67.0	52.3	38.6	34.8	43.9	88.3	61.6	90.9



REPORT NUMBER: P1436817

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: P1436817

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: P1436817

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: P1436817

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3	6159.3
1°	6076.3	6076.6	6084.6	6096.8	6115.6	6136.0	6157.7	6158.5	6180.0	6200.3	6219.8
2°	6006.5	6005.9	6016.8	6038.3	6068.3	6106.6	6148.0	6170.7	6214.8	6256.7	6294.3
3°	5947.3	5943.9	5958.2	5986.0	6026.5	6080.5	6141.3	6186.1	6254.2	6319.7	6378.8
4°	5896.1	5892.9	5908.5	5941.3	5992.4	6059.5	6138.4	6204.7	6296.8	6388.6	6473.9
5°	5851.8	5846.4	5865.8	5904.1	5963.2	6042.2	6138.2	6226.0	6342.4	6461.4	6576.0
6°	5809.7	5804.4	5825.7	5869.8	5937.7	6028.6	6142.9	6252.0	6393.0	6542.4	6686.4
7°	5773.8	5766.8	5790.0	5840.2	5914.2	6017.5	6148.2	6280.0	6448.5	6629.4	6804.9
8°	5743.2	5734.8	5760.7	5816.1	5895.5	6008.4	6155.8	6310.1	6507.8	6723.2	6931.9
9°	5719.6	5709.5	5737.4	5794.2	5882.3	6002.3	6166.8	6343.7	6572.4	6823.0	7069.2
10°	5700.6	5691.0	5718.5	5778.3	5871.3	5999.8	6183.6	6384.6	6641.9	6930.9	7218.3
11°	5689.3	5679.3	5706.6	5768.9	5864.3	6004.0	6204.6	6431.2	6720.0	7047.6	7377.7
12°	5685.8	5674.2	5700.8	5763.9	5863.7	6011.6	6230.3	6482.6	6804.5	7172.3	7547.8
13°	5687.2	5674.0	5702.0	5764.7	5867.6	6024.9	6260.3	6537.0	6894.6	7305.5	7734.8
14°	5691.1	5678.9	5706.7	5771.5	5874.4	6040.7	6293.5	6593.3	6987.5	7448.6	7928.3
15°	5700.7	5687.1	5714.4	5781.1	5886.6	6060.9	6329.6	6657.1	7086.8	7597.3	8133.8
16°	5713.6	5699.6	5726.9	5794.3	5905.2	6085.0	6369.6	6725.4	7190.6	7756.3	8346.8
17°	5728.4	5715.1	5743.9	5811.6	5926.1	6113.4	6412.9	6796.3	7301.3	7918.7	8563.8
18°	5747.4	5732.5	5764.0	5834.2	5949.0	6144.0	6460.8	6872.2	7413.7	8088.1	8789.3
19°	5768.6	5750.4	5786.3	5859.7	5975.8	6177.6	6510.2	6948.3	7530.4	8259.3	9007.2
20°	5789.5	5769.4	5809.7	5887.9	6005.3	6215.4	6564.6	7027.2	7651.9	8432.8	9229.1
21°	5809.4	5788.6	5835.4	5919.0	6039.0	6256.4	6620.5	7108.6	7778.7	8610.3	9443.7
22°	5831.2	5808.4	5861.5	5950.4	6073.7	6299.9	6678.1	7188.6	7904.0	8784.5	9654.1
23°	5855.1	5832.3	5888.6	5984.7	6110.1	6345.2	6735.9	7269.2	8033.6	8961.2	9859.3
24°	5883.0	5860.4	5918.1	6020.5	6146.1	6393.1	6795.5	7348.9	8161.8	9133.9	10056.7
25°	5913.1	5891.5	5951.5	6059.1	6182.8	6442.5	6853.1	7431.8	8291.9	9304.4	10248.4
26°	5946.6	5927.9	5988.5	6097.1	6220.4	6490.7	6912.5	7512.8	8423.4	9467.1	10436.3
27°	5984.4	5969.0	6028.5	6134.0	6259.1	6540.1	6971.6	7598.5	8554.8	9631.2	10628.0
28°	6025.4	6014.1	6073.1	6171.3	6300.6	6590.4	7033.0	7689.4	8689.7	9790.9	10823.5
29°	6070.2	6063.0	6119.3	6211.1	6342.8	6639.5	7097.2	7783.6	8829.3	9953.7	11011.4
30°	6116.4	6116.7	6165.7	6250.4	6386.8	6689.5	7163.8	7882.8	8970.5	10123.2	11197.3
31°	6162.3	6170.1	6211.8	6290.9	6432.2	6738.5	7231.0	7986.9	9118.8	10300.4	11396.7
32°	6209.4	6229.1	6259.0	6331.7	6477.2	6788.4	7296.0	8090.2	9269.6	10473.8	11570.1
33°	6257.7	6288.6	6306.7	6373.8	6522.9	6836.5	7361.8	8201.1	9426.4	10641.5	11736.7
34°	6306.9	6346.3	6353.9	6415.8	6567.2	6881.6	7429.4	8312.1	9573.5	10797.5	11871.6
35°	6356.5	6407.6	6403.0	6461.4	6612.7	6928.4	7498.2	8423.1	9711.9	10935.3	11966.0
36°	6407.2	6471.4	6452.9	6510.8	6658.7	6977.8	7565.3	8528.9	9843.8	11043.1	12006.4
37°	6459.3	6533.0	6501.1	6567.1	6710.2	7028.2	7627.4	8639.9	9956.6	11107.7	12010.3
38°	6507.5	6593.5	6547.4	6626.8	6769.6	7081.1	7689.9	8743.5	10042.3	11138.5	11987.2
39°	6554.4	6658.0	6593.3	6690.5	6833.4	7137.2	7747.1	8836.1	10103.9	11157.8	11963.1
40°	6604.2	6722.4	6641.6	6754.5	6900.1	7193.3	7808.4	8917.6	10147.3	11178.0	11957.3
41°	6655.0	6781.5	6693.9	6818.8	6971.2	7253.8	7867.5	8992.0	10187.7	11207.9	11975.6
42°	6706.9	6841.3	6749.1	6881.8	7046.6	7316.9	7932.4	9061.3	10242.6	11247.4	12013.2
43°	6760.2	6898.2	6805.6	6943.3	7123.0	7382.8	8006.3	9131.6	10316.8	11295.5	12056.5
44°	6814.3	6954.6	6864.9	7005.5	7197.2	7457.8	8084.4	9200.0	10398.7	11356.2	12097.0



REPORT NUMBER: P1436817

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6871.2	7010.2	6924.1	7067.1	7271.6	7536.0	8162.5	9265.8	10476.7	11425.6	12131.7
46°	6930.6	7063.6	6987.7	7129.5	7344.2	7618.7	8238.1	9332.1	10552.8	11500.7	12160.6
47°	6995.6	7120.0	7054.0	7191.0	7417.0	7706.2	8319.9	9400.4	10628.9	11574.9	12180.8
48°	7067.0	7168.1	7124.8	7252.8	7487.6	7797.1	8410.9	9460.5	10710.8	11642.3	12194.3
49°	7142.2	7216.9	7198.6	7318.4	7559.6	7885.0	8501.6	9515.3	10792.7	11704.0	12204.9
50°	7216.3	7265.2	7276.4	7388.4	7632.9	7970.8	8592.2	9564.4	10867.8	11757.9	12209.7
51°	7292.9	7317.5	7353.1	7462.2	7707.0	8052.1	8681.4	9610.3	10939.1	11807.0	12209.7
52°	7371.0	7366.6	7433.2	7541.3	7785.5	8133.1	8767.2	9657.9	11002.7	11851.3	12205.8
53°	7449.5	7412.5	7511.9	7624.4	7865.8	8217.1	8845.7	9700.3	11059.5	11890.8	12199.1
54°	7527.3	7456.7	7587.5	7709.8	7951.1	8303.0	8917.1	9740.8	11107.7	11923.6	12184.6
55°	7597.7	7502.5	7655.1	7799.7	8042.9	8392.8	8982.4	9773.5	11147.2	11945.7	12163.4
56°	7658.5	7547.2	7714.9	7889.3	8140.0	8484.9	9042.1	9803.4	11176.1	11964.0	12129.7
57°	7709.4	7591.2	7770.8	7980.7	8243.2	8574.9	9096.4	9830.4	11189.6	11970.8	12085.4
58°	7758.9	7633.8	7820.9	8062.1	8353.2	8664.9	9145.8	9847.7	11197.3	11961.2	12019.9
59°	7805.5	7675.8	7867.5	8137.3	8466.1	8754.5	9187.4	9852.5	11192.5	11940.0	11948.6
60°	7849.3	7712.2	7907.7	8214.4	8582.3	8841.0	9218.4	9846.7	11168.4	11910.1	11862.9
61°	7885.3	7745.8	7941.5	8299.4	8700.5	8927.0	9238.4	9840.0	11128.9	11868.7	11773.3
62°	7914.3	7780.9	7972.9	8384.8	8821.4	9017.0	9247.9	9825.5	11076.9	11806.1	11667.4
63°	7948.1	7813.5	8006.8	8459.1	8938.3	9105.2	9251.3	9790.9	11007.5	11724.2	11538.3
64°	7978.7	7847.0	8042.8	8527.9	9060.2	9188.2	9242.6	9737.9	10918.9	11621.1	11376.4
65°	8007.0	7853.2	8067.4	8598.1	9178.7	9267.3	9218.8	9647.3	10796.5	11493.0	11182.8
66°	8022.7	7812.2	8065.8	8671.5	9288.0	9337.9	9165.0	9504.4	10631.8	11334.1	10957.4
67°	8014.7	7765.8	8045.8	8732.2	9393.0	9381.1	9067.4	9312.0	10413.2	11151.0	10711.8
68°	7991.3	7684.3	8016.2	8781.6	9482.6	9386.6	8914.5	8999.1	10132.8	10922.7	10443.0
69°	7920.5	7472.4	7932.2	8807.4	9557.1	9356.7	8674.5	8508.1	9775.5	10645.3	10156.0
70°	7764.0	7113.6	7748.6	8809.5	9611.2	9285.1	8286.6	7815.4	9285.3	10314.9	9839.0
71°	7485.2	6568.5	7435.8	8776.8	9637.7	9147.6	7739.6	7012.8	8638.9	9913.2	9505.2
72°	7033.3	5899.2	6947.9	8697.3	9613.8	8947.3	7139.4	6296.6	7911.9	9467.9	9168.7
73°	6406.8	5212.3	6346.2	8570.2	9492.7	8645.5	6580.1	5651.9	7132.5	8921.5	8817.2
74°	5724.4	4524.3	5661.2	8327.1	9260.4	8286.6	6045.1	4917.1	6367.4	8287.7	8438.0
75°	5015.3	3663.2	4926.4	7939.6	8927.8	7910.7	5307.1	3782.5	5505.7	7580.1	7984.0
76°	4256.4	2757.8	4158.6	7479.6	8422.0	7505.7	4211.8	2359.4	4416.7	6835.3	7446.5
77°	3400.2	2159.0	3355.2	6942.9	7654.3	6962.4	2980.8	1103.3	3049.5	5979.8	6698.2
78°	2838.5	2264.1	2879.6	6252.3	6608.5	6102.0	1749.8	805.8	1656.9	4946.6	5654.3
79°	2935.8	2855.5	3096.6	5354.8	5452.6	4792.2	521.8	538.6	736.6	3752.5	4426.3
80°	3528.2	3259.2	3669.8	4428.3	4317.7	3385.6	340.2	271.4	523.4	2365.5	3065.2
81°	3733.5	2527.7	3660.1	3612.8	3354.3	1979.0	279.8	233.0	312.1	1127.0	1696.0
82°	2823.6	1796.1	2746.9	3276.8	2669.7	599.9	240.1	203.1	258.4	822.9	1223.6
83°	1913.8	1067.3	1833.6	2582.6	1985.0	402.7	200.3	173.8	218.7	533.8	775.9
84°	1008.0	569.5	925.1	1888.4	1303.2	330.3	160.8	144.4	181.5	244.7	328.3
85°	532.7	343.4	515.3	1194.4	758.7	268.8	128.1	113.5	141.4	183.0	276.4
86°	426.7	120.3	412.8	664.5	534.2	207.4	98.7	85.2	106.1	139.7	222.6
87°	320.7	81.1	310.3	531.9	309.8	146.1	71.4	57.1	76.1	102.3	158.1
88°	214.6	41.9	207.8	399.4	87.2	110.9	49.2	28.9	46.2	65.2	86.4
89°	108.6	3.7	105.3	266.9	46.1	75.7	27.1	9.6	16.4	49.5	65.1



REPORT NUMBER: P1436817

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: P1436817

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: P1436817

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: P1436817

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6159.3	6159.3	6159.3
1°	6232.8	6244.2	6248.7
2°	6325.2	6346.0	6352.2
3°	6428.8	6459.9	6469.5
4°	6542.9	6586.8	6600.9
5°	6666.9	6726.7	6745.8
6°	6803.7	6880.9	6906.4
7°	6951.5	7048.0	7079.8
8°	7109.1	7226.2	7264.4
9°	7280.6	7421.6	7468.9
10°	7465.9	7635.8	7689.7
11°	7665.4	7864.5	7928.9
12°	7878.1	8107.5	8186.0
13°	8109.4	8371.3	8463.5
14°	8346.8	8647.8	8756.1
15°	8595.9	8936.0	9060.6
16°	8859.4	9236.5	9374.0
17°	9131.8	9535.6	9683.0
18°	9401.4	9839.0	9988.3
19°	9662.7	10126.1	10286.0
20°	9918.0	10402.6	10575.9
21°	10165.6	10663.6	10847.6
22°	10401.6	10914.1	11104.8
23°	10627.0	11161.6	11342.7
24°	10847.6	11399.6	11573.0
25°	11067.2	11628.8	11792.6
26°	11284.9	11837.9	11978.5
27°	11495.9	12021.8	12149.0
28°	11684.7	12181.7	12302.2
29°	11863.9	12347.4	12465.9
30°	12045.0	12529.5	12660.5
31°	12225.1	12698.1	12823.3
32°	12394.6	12821.4	12944.7
33°	12517.0	12882.1	12991.9
34°	12581.5	12870.5	12964.9
35°	12582.5	12794.4	12872.4
36°	12540.1	12677.8	12750.1
37°	12461.1	12564.2	12647.0
38°	12389.8	12489.0	12598.9
39°	12354.2	12456.3	12581.5
40°	12341.7	12439.9	12575.7
41°	12338.8	12432.2	12570.9
42°	12338.8	12423.5	12556.5
43°	12339.7	12412.9	12528.5
44°	12339.7	12394.6	12484.2



REPORT NUMBER: P1436817

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12336.8	12362.8	12425.5
46°	12331.1	12320.5	12353.2
47°	12318.5	12273.3	12275.2
48°	12300.2	12222.2	12192.3
49°	12268.4	12169.2	12106.6
50°	12229.9	12118.2	12014.1
51°	12180.8	12058.4	11909.1
52°	12124.0	11984.3	11791.6
53°	12064.2	11895.7	11661.6
54°	12002.6	11782.0	11515.2
55°	11932.3	11649.1	11352.4
56°	11847.5	11495.9	11167.4
57°	11742.5	11317.7	10958.4
58°	11613.4	11112.5	10726.2
59°	11470.8	10879.4	10478.7
60°	11307.1	10625.1	10182.0
61°	11116.4	10335.1	9814.0
62°	10908.3	9987.4	9376.1
63°	10688.7	9581.5	8884.6
64°	10444.9	9138.7	8398.1
65°	10172.3	8725.9	7975.8
66°	9878.5	8370.3	7640.6
67°	9587.6	8068.0	7426.1
68°	9298.6	7839.4	7316.2
69°	9047.6	7661.3	7220.7
70°	8827.6	7504.2	6950.7
71°	8599.8	7251.6	6414.4
72°	8339.9	6805.0	5699.4
73°	8093.4	6186.2	4983.5
74°	7779.5	5475.5	4320.9
75°	7313.1	4704.5	3357.8
76°	6696.0	3765.4	2053.6
77°	5982.7	2520.3	908.9
78°	5071.1	1266.2	683.1
79°	3808.9	914.6	473.0
80°	2212.2	596.5	263.0
81°	1057.9	278.4	229.3
82°	789.1	231.1	201.9
83°	527.0	201.7	175.1
84°	264.9	169.0	148.2
85°	193.4	135.7	120.5
86°	145.3	105.5	90.4
87°	106.6	78.0	65.5
88°	85.5	50.6	40.7
89°	65.0	23.2	16.0



REPORT NUMBER: P1436817

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: P1436817

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: P1436817
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)