

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: P1436818

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

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436818
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-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

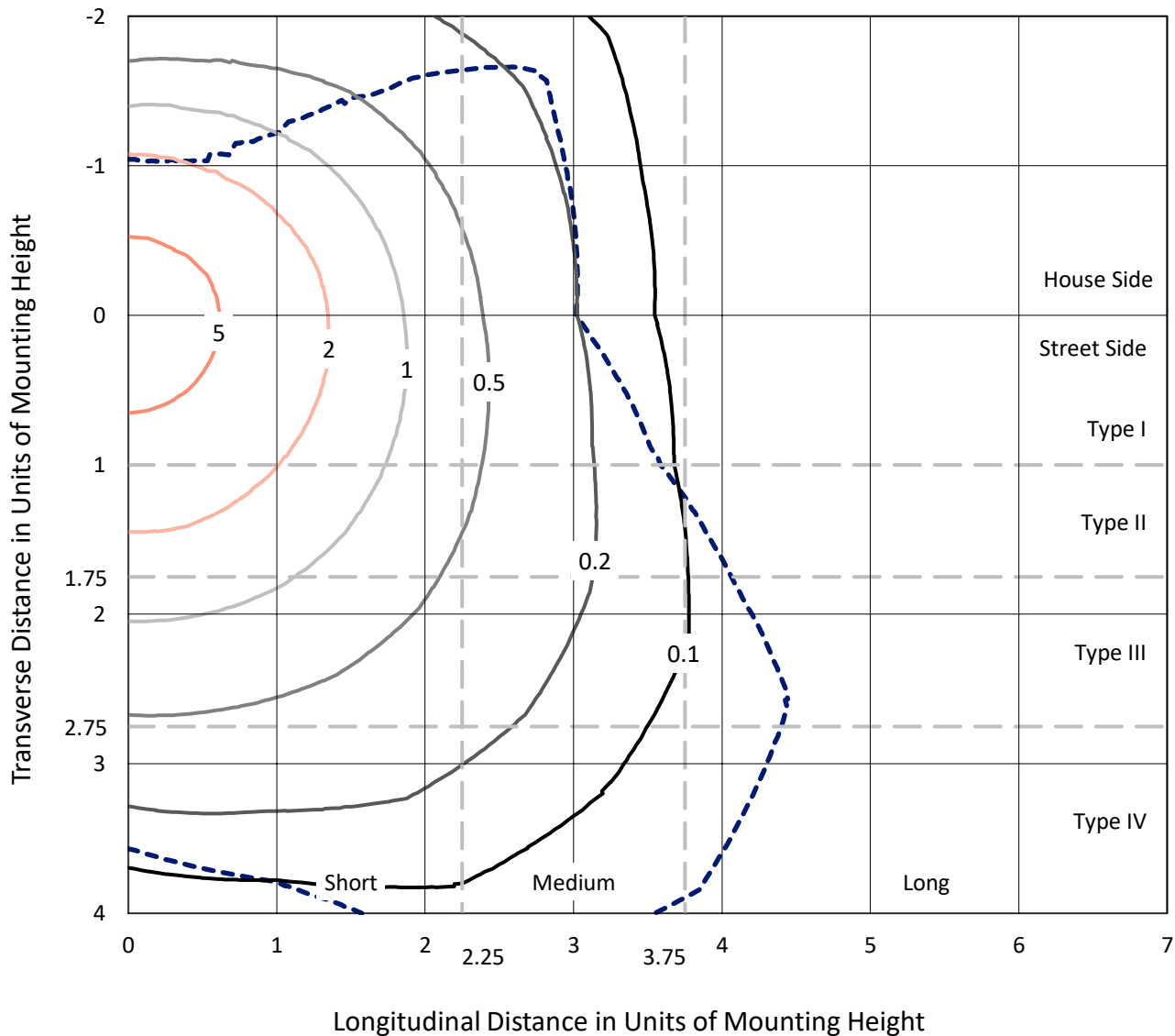
Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 36377.6 lumens
Efficiency: 98.5%
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Medium - Semi-Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 286.2
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

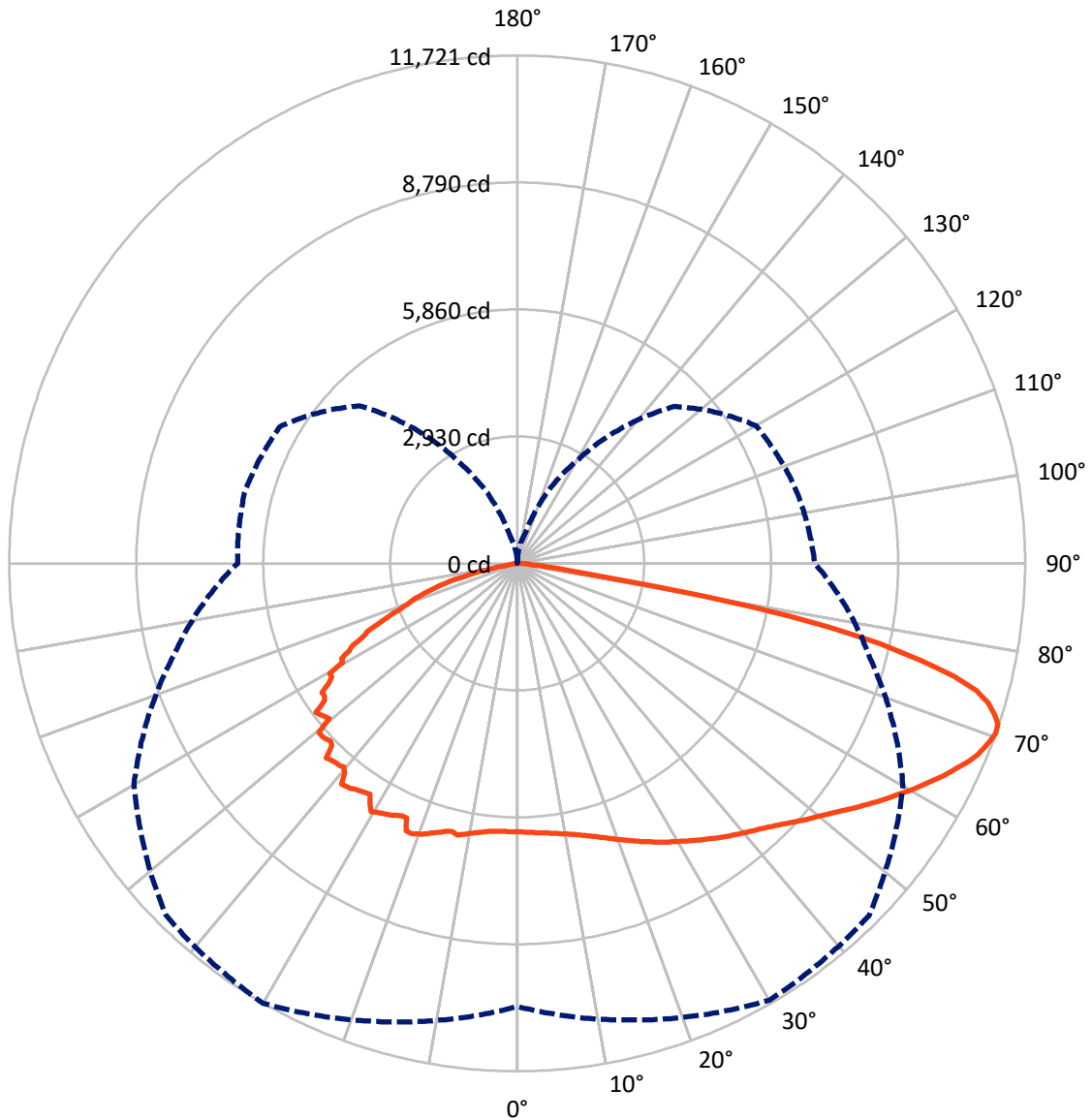
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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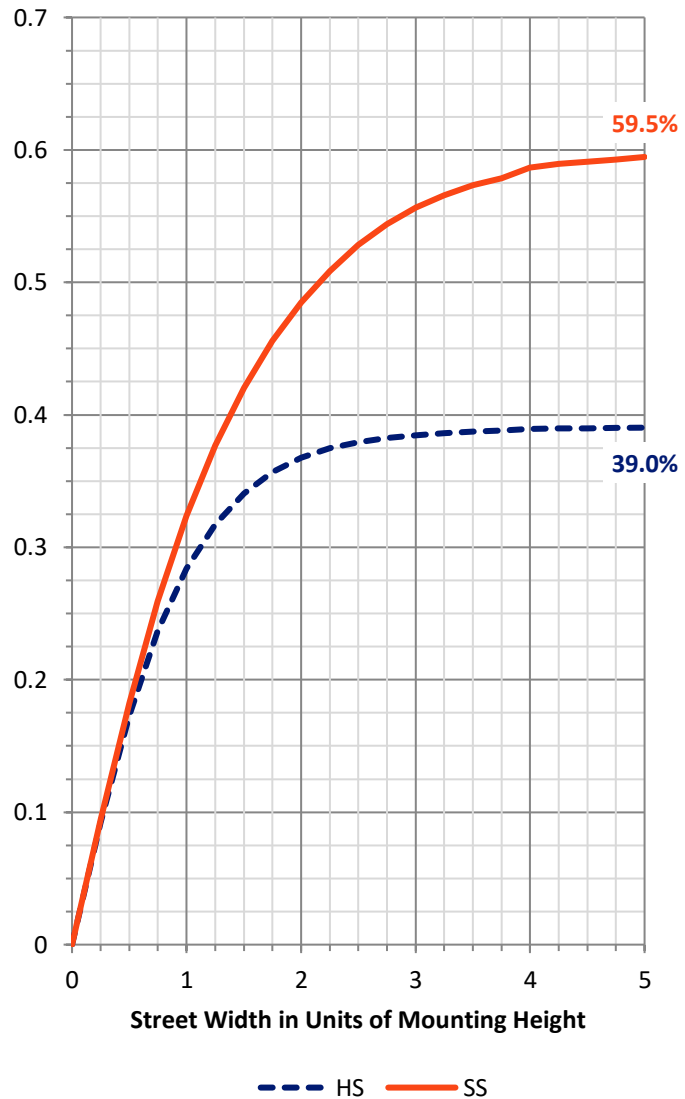
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14446.2	0.0	14446.2
	% Lamp	39.1	0.0	39.1
Street Side	Lumens	21931.4	0.0	21931.4
	% Lamp	59.4	0.0	59.4
Total	Lumens	36377.6	0.0	36377.6
	% Lamp	98.5	0.0	98.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	598.5	1.6	1.6
10°-20°	1849.9	5.1	5.0
20°-30°	3198.3	8.8	8.7
30°-40°	4583.2	12.6	12.4
40°-50°	5925.2	16.3	16.0
50°-60°	7130.4	19.6	19.3
60°-70°	7632.8	21.0	20.7
70°-80°	5132.6	14.1	13.9
80°-90°	326.8	0.9	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°	36377.6	100.0	98.5
0°-180°	36377.6	100.0	98.5

Coefficient of Utilization



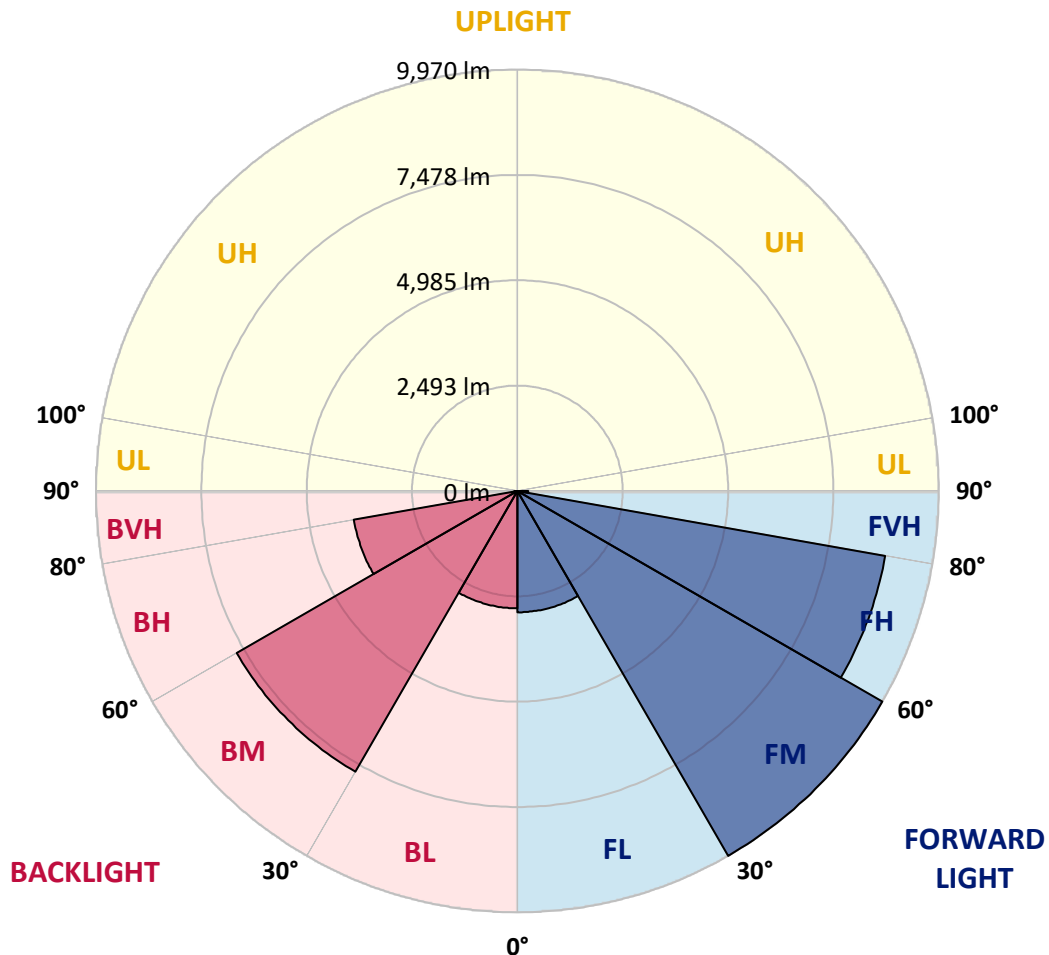
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2870.2	7.8			
FM (30°-60°)	9970.3	27.0			
FH (60°-80°)	8835.4	23.9			G4/12000
FVH (80°-90°)	255.4	0.7			G3/500
BL (0°-30°)	2776.4	7.5	B4/5000		
BM (30°-60°)	7668.4	20.8	B4/8500		
BH (60°-80°)	3930.0	10.6	B4/5000		G4/5000
BVH (80°-90°)	71.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	554.4	1.5			

BUG Rating: B4-U0-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7
1°	6203.2	6203.8	6202.0	6203.5	6202.5	6200.6	6197.7	6195.7	6194.4	6194.7	6194.4
2°	6210.3	6209.9	6208.1	6208.5	6205.8	6203.1	6199.4	6196.4	6193.4	6193.1	6193.4
3°	6220.0	6218.5	6215.6	6215.3	6213.1	6210.9	6204.2	6200.0	6196.0	6194.2	6194.1
4°	6230.4	6228.0	6226.0	6227.0	6223.9	6223.0	6215.4	6207.9	6202.1	6198.8	6197.5
5°	6242.7	6240.2	6239.8	6241.1	6241.5	6241.1	6231.7	6222.1	6211.8	6206.2	6204.1
6°	6256.5	6254.5	6254.6	6259.5	6262.1	6259.5	6249.7	6239.8	6225.1	6215.3	6212.6
7°	6272.9	6270.7	6271.7	6280.3	6283.0	6279.4	6268.8	6258.2	6242.5	6230.0	6231.7
8°	6291.0	6289.7	6292.9	6302.8	6305.8	6303.4	6292.0	6279.2	6262.6	6252.7	6257.0
9°	6312.2	6311.2	6317.4	6327.2	6333.5	6329.5	6317.0	6300.5	6284.0	6281.8	6284.6
10°	6337.4	6336.1	6343.4	6355.2	6362.3	6357.0	6342.4	6323.2	6306.6	6315.2	6316.4
11°	6366.7	6364.4	6372.7	6387.2	6393.0	6387.1	6371.1	6349.6	6335.4	6349.4	6348.1
12°	6397.7	6394.6	6405.4	6420.6	6425.8	6420.4	6391.8	6369.0	6371.4	6386.5	6383.7
13°	6433.3	6428.2	6439.3	6458.1	6461.3	6442.1	6410.7	6386.5	6394.1	6424.3	6420.6
14°	6473.0	6466.1	6476.1	6496.2	6500.9	6469.0	6437.7	6407.3	6421.8	6463.8	6370.5
15°	6516.2	6508.6	6517.2	6536.2	6530.9	6500.4	6469.4	6437.7	6448.5	6492.0	6382.7
16°	6561.9	6553.7	6563.6	6580.7	6566.1	6536.3	6514.9	6479.3	6483.7	6508.6	6427.6
17°	6608.6	6598.7	6611.5	6626.4	6605.2	6583.4	6551.4	6512.9	6524.1	6474.3	6474.1
18°	6658.6	6648.1	6661.3	6679.7	6640.6	6629.1	6596.1	6553.1	6561.1	6489.7	6524.4
19°	6708.2	6698.6	6713.7	6729.2	6684.7	6673.6	6650.2	6608.9	6606.7	6533.8	6578.6
20°	6760.4	6750.2	6768.6	6772.6	6734.9	6721.0	6709.8	6666.6	6662.5	6571.6	6629.9
21°	6812.4	6804.2	6825.1	6821.6	6787.8	6781.2	6769.3	6717.1	6716.7	6614.3	6665.5
22°	6865.5	6860.2	6883.7	6874.5	6836.9	6844.6	6815.2	6747.8	6748.4	6670.5	6695.5
23°	6924.2	6920.5	6944.3	6928.2	6895.0	6908.3	6843.3	6783.8	6737.9	6725.5	6682.3
24°	6982.6	6983.3	7005.1	6981.0	6950.8	6958.4	6877.4	6845.8	6760.2	6766.2	6406.3
25°	7045.3	7048.3	7068.6	7039.4	7013.0	6999.2	6931.9	6883.4	6803.2	6806.6	6406.0
26°	7109.7	7114.2	7133.4	7095.6	7076.9	7039.7	6981.2	6929.1	6840.7	6856.1	6445.4
27°	7178.2	7185.6	7201.7	7161.6	7140.6	7084.9	7019.7	6990.6	6898.9	6882.8	6490.1
28°	7250.8	7259.9	7271.3	7222.7	7202.6	7147.7	7074.0	7050.9	6956.1	6757.4	6525.4
29°	7326.7	7333.3	7339.3	7281.5	7258.8	7212.5	7142.1	7098.6	6986.7	6608.7	6562.9
30°	7406.8	7407.7	7402.7	7340.8	7314.2	7260.5	7213.1	7132.0	7014.3	6631.6	6602.7
31°	7488.3	7481.9	7464.8	7410.1	7357.2	7316.4	7273.1	7179.5	7066.1	6638.8	6648.3
32°	7574.2	7557.7	7532.9	7474.0	7407.1	7373.9	7311.0	7234.4	7120.2	6668.1	6504.1
33°	7666.3	7634.2	7600.1	7536.9	7459.2	7439.2	7358.3	7289.5	7141.4	6714.4	6317.7
34°	7758.5	7710.0	7665.6	7607.1	7523.3	7504.0	7420.3	7320.0	7182.0	6764.9	6345.7
35°	7854.3	7788.8	7736.9	7679.8	7588.5	7565.5	7486.5	7366.6	7214.5	6806.3	6372.6
36°	7949.4	7863.3	7804.6	7750.4	7650.6	7612.8	7556.0	7417.0	7248.1	6827.7	6411.5
37°	8048.1	7935.9	7873.8	7820.7	7705.5	7647.9	7607.6	7455.2	7252.2	6836.0	6463.8
38°	8149.3	8007.0	7940.1	7893.7	7767.8	7695.6	7670.6	7500.2	7107.4	6648.5	6489.5
39°	8249.9	8078.8	8010.8	7958.5	7823.9	7753.0	7752.7	7533.3	6995.8	6569.5	6508.4
40°	8358.8	8154.8	8077.6	8022.8	7892.5	7819.3	7829.4	7580.5	7048.3	6625.6	6260.5
41°	8464.6	8238.2	8147.3	8092.9	7969.1	7891.9	7900.3	7602.0	7108.6	6675.7	6170.7
42°	8571.2	8330.4	8227.3	8156.7	8048.8	7967.7	7970.6	7621.1	7167.3	6668.1	6215.9
43°	8668.1	8429.3	8312.3	8230.7	8130.3	8023.2	8031.7	7677.2	7144.0	6687.8	6221.4
44°	8760.7	8533.1	8401.2	8307.8	8213.2	8095.1	8092.0	7722.0	7150.3	6736.4	6254.8



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8849.4	8638.8	8490.9	8386.7	8286.2	8172.5	8156.8	7798.2	7199.0	6770.0	6288.2
46°	8933.5	8747.8	8586.5	8477.9	8361.7	8264.5	8204.0	7805.1	7255.6	6570.4	5998.8
47°	9013.0	8861.4	8688.8	8576.4	8445.6	8348.3	8250.5	7781.8	7269.9	6460.1	5946.7
48°	9091.2	8983.4	8795.9	8680.7	8531.5	8429.3	8317.7	7825.4	7276.8	6496.0	5996.8
49°	9173.9	9111.6	8910.5	8786.4	8627.3	8518.7	8380.7	7889.3	7123.4	6560.8	6015.5
50°	9259.9	9246.0	9026.6	8884.1	8728.1	8605.7	8442.0	7929.2	7103.9	6589.9	6013.3
51°	9349.9	9381.6	9147.7	8989.0	8830.5	8685.3	8493.9	7954.0	7128.9	6602.8	5627.7
52°	9441.5	9523.1	9273.2	9104.7	8940.3	8768.0	8491.7	7996.7	7153.4	6366.2	5673.3
53°	9543.2	9666.5	9399.3	9224.1	9045.4	8846.5	8439.9	8020.6	7226.4	6337.9	5733.7
54°	9655.1	9808.5	9539.1	9349.5	9137.6	8917.1	8427.2	8019.6	7229.2	6367.3	5780.5
55°	9764.8	9947.5	9683.2	9483.3	9234.0	8972.9	8449.6	8019.5	7228.1	6385.1	5458.5
56°	9876.6	10082.5	9830.1	9626.7	9334.4	9036.2	8483.6	8003.5	7188.3	6300.7	5390.7
57°	9984.0	10212.5	9979.0	9767.8	9440.2	9109.4	8501.7	7994.5	7031.9	6090.6	5405.3
58°	10088.4	10332.7	10129.7	9917.0	9544.2	9177.0	8497.7	7909.4	7053.8	6166.5	5161.5
59°	10190.8	10442.0	10281.4	10062.8	9644.8	9232.4	8488.6	7912.0	7043.8	6245.7	5016.6
60°	10291.3	10545.4	10430.2	10212.5	9738.7	9280.2	8485.4	7847.5	7015.1	6217.9	5020.6
61°	10376.0	10634.1	10581.9	10354.3	9834.6	9306.3	8460.1	7780.9	6952.3	6007.4	4631.4
62°	10449.9	10711.9	10730.6	10490.3	9931.8	9288.3	8398.1	7699.8	6867.9	5981.1	4613.1
63°	10520.8	10781.8	10877.4	10630.1	10019.4	9211.3	8325.0	7611.0	6840.9	5890.3	4371.7
64°	10613.4	10848.8	11028.1	10777.9	10086.4	9140.6	8231.9	7525.8	6764.3	5767.6	4238.1
65°	10709.9	10931.5	11167.9	10929.6	10160.3	9084.2	8141.4	7424.0	6607.2	5714.9	3931.2
66°	10768.0	11019.2	11292.0	11064.5	10231.2	9053.2	8019.5	7338.5	6631.2	5551.1	3814.0
67°	10775.9	11083.2	11398.4	11193.5	10274.5	9004.5	7873.2	7205.3	6672.1	5464.7	3488.0
68°	10765.1	11093.1	11503.8	11316.7	10306.1	8907.2	7638.4	7066.2	6704.5	5347.6	3241.4
69°	10639.0	11047.8	11593.4	11417.1	10305.1	8740.9	7361.9	6896.2	6529.6	5236.2	2927.6
70°	10223.3	10908.9	11635.8	11484.1	10275.5	8426.6	6866.5	6649.0	6357.5	5115.8	2716.1
71°	9409.0	10550.3	11600.3	11500.9	10205.6	8000.1	6222.0	6290.0	6219.5	4953.9	2582.9
72°	8357.6	9886.4	11480.2	11456.5	10098.2	7452.9	5615.6	5850.1	6045.7	4768.7	2374.9
73°	7330.1	8974.9	11261.5	11360.0	9910.1	6856.5	5092.5	5350.8	5777.7	4569.1	2166.2
74°	6322.7	7975.4	10926.6	11174.8	9614.3	6263.4	4627.8	4830.0	5501.1	4334.3	1957.4
75°	4826.5	6858.8	10423.3	10836.0	9269.9	5668.8	4073.5	4310.4	5190.5	4049.2	1746.9
76°	2878.9	5412.7	9644.3	10318.9	8765.2	4868.7	3001.5	3808.3	4813.0	3668.8	1466.4
77°	1248.2	3430.2	8617.2	9525.5	8102.7	3668.6	1929.5	2887.0	4384.1	3173.4	1192.9
78°	953.2	1602.1	7352.3	8362.4	7189.6	2192.7	873.1	1965.7	3871.7	2555.4	875.9
79°	677.3	1200.2	5626.6	6880.9	5837.2	938.9	322.0	1044.4	3160.1	1937.3	529.8
80°	401.5	802.5	3443.2	5036.5	4107.8	702.2	271.5	745.2	2176.4	1319.2	325.3
81°	365.4	404.8	1653.6	3100.4	2240.1	470.9	221.1	446.1	1192.9	738.9	122.1
82°	334.1	360.6	1205.9	1373.5	943.9	239.6	171.1	156.2	839.6	433.1	72.7
83°	302.8	321.8	791.3	1030.9	632.0	207.1	147.0	133.0	486.2	130.7	50.7
84°	270.8	284.4	376.6	706.4	322.0	177.0	124.3	111.7	135.9	105.2	39.2
85°	237.6	248.5	304.5	381.9	255.7	148.7	102.0	90.6	107.2	87.7	30.6
86°	201.3	213.4	251.8	319.0	205.5	121.6	79.9	71.3	82.5	71.4	25.6
87°	165.3	180.8	208.5	250.7	165.7	97.0	57.9	54.3	63.3	53.9	20.6
88°	134.2	149.2	166.8	175.2	128.6	74.5	41.4	42.0	46.9	38.4	15.6
89°	110.4	116.5	119.5	103.3	99.1	52.0	24.8	29.8	33.4	22.8	10.9



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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7	6198.7
1°	6194.1	6195.7	6197.0	6198.4	6200.7	6201.7	6204.0	6202.8	6202.8	6203.8	6205.5
2°	6192.4	6195.4	6197.3	6200.4	6204.0	6207.2	6209.2	6211.4	6211.2	6212.4	6212.9
3°	6194.4	6196.8	6201.0	6204.6	6209.7	6214.2	6218.1	6222.3	6223.0	6223.9	6222.5
4°	6197.4	6201.4	6205.3	6210.3	6217.5	6225.4	6231.9	6236.8	6238.4	6239.0	6236.0
5°	6202.1	6205.6	6210.9	6219.0	6228.0	6238.9	6247.6	6253.5	6255.4	6255.5	6252.7
6°	6215.5	6221.1	6226.0	6228.9	6242.7	6255.3	6264.9	6273.4	6274.5	6274.1	6269.0
7°	6237.6	6243.5	6248.1	6251.2	6258.4	6273.9	6285.4	6295.8	6297.2	6295.4	6289.0
8°	6261.2	6266.1	6270.5	6277.4	6282.2	6295.5	6308.4	6319.5	6323.0	6322.1	6312.7
9°	6287.1	6290.9	6297.2	6307.2	6312.0	6318.5	6331.9	6344.2	6349.6	6349.5	6337.8
10°	6312.7	6316.7	6323.8	6338.5	6345.3	6343.9	6359.9	6374.6	6378.7	6378.1	6366.0
11°	6345.2	6348.9	6354.6	6371.2	6382.4	6377.2	6392.7	6410.8	6414.9	6411.8	6399.2
12°	6352.7	6312.9	6368.3	6407.9	6423.6	6418.9	6413.2	6434.9	6454.3	6451.1	6435.7
13°	6293.5	6297.1	6304.6	6446.2	6465.1	6445.8	6441.6	6464.5	6484.3	6497.1	6475.8
14°	6330.5	6337.7	6345.5	6406.0	6510.3	6479.4	6470.4	6495.3	6516.8	6537.1	6519.1
15°	6375.9	6379.5	6388.1	6411.4	6542.8	6513.9	6507.5	6535.0	6553.1	6574.2	6567.1
16°	6422.0	6426.6	6434.5	6460.0	6578.3	6559.2	6544.7	6580.0	6597.0	6614.4	6619.2
17°	6471.1	6475.5	6485.9	6512.1	6554.2	6597.0	6586.1	6626.5	6649.9	6655.4	6672.1
18°	6521.1	6517.4	6535.1	6565.9	6564.2	6642.7	6638.5	6678.3	6696.5	6705.4	6722.0
19°	6565.7	6560.3	6582.2	6622.2	6605.5	6701.1	6696.8	6739.9	6749.5	6759.8	6765.8
20°	6609.0	6582.6	6627.4	6676.9	6649.8	6761.0	6751.4	6801.2	6810.3	6818.5	6817.8
21°	6511.6	6281.3	6536.2	6710.7	6706.7	6811.0	6802.0	6854.6	6877.2	6867.8	6874.1
22°	6298.7	6287.8	6328.1	6745.9	6767.5	6848.1	6837.2	6899.7	6943.4	6928.0	6926.7
23°	6337.5	6328.9	6371.2	6749.2	6817.5	6848.0	6890.2	6932.7	7003.3	6985.7	6986.2
24°	6378.9	6373.8	6416.2	6481.9	6866.9	6879.1	6957.0	6986.9	7059.9	7053.1	7045.6
25°	6427.7	6426.6	6467.9	6488.2	6911.4	6916.7	6998.7	7049.4	7102.7	7122.0	7105.9
26°	6483.3	6479.9	6527.2	6537.1	6967.3	6962.7	7050.4	7091.5	7148.4	7189.0	7168.3
27°	6533.6	6532.5	6581.7	6581.6	6990.2	7025.1	7119.3	7140.9	7215.8	7252.0	7225.5
28°	6588.0	6534.4	6633.4	6620.7	6876.3	7081.5	7181.3	7210.4	7287.8	7310.7	7285.7
29°	6521.2	6202.9	6553.7	6658.8	6730.3	7108.9	7222.6	7284.8	7346.0	7369.6	7352.8
30°	6236.1	6246.8	6285.9	6708.5	6748.1	7146.0	7268.2	7351.6	7403.7	7420.5	7417.0
31°	6276.5	6298.0	6331.8	6754.7	6762.1	7199.9	7324.9	7401.9	7465.0	7470.7	7481.6
32°	6319.1	6358.5	6377.2	6592.6	6802.3	7255.5	7386.6	7450.6	7533.3	7524.3	7557.8
33°	6367.8	6420.1	6429.8	6419.3	6855.8	7278.0	7444.2	7505.6	7596.2	7594.4	7633.5
34°	6418.8	6477.7	6478.3	6449.1	6910.4	7320.0	7475.8	7569.5	7655.0	7661.5	7709.5
35°	6463.9	6530.0	6523.5	6476.7	6944.9	7350.7	7524.3	7639.8	7698.7	7727.9	7784.9
36°	6500.6	6162.1	6556.8	6522.1	6962.0	7380.0	7563.1	7698.1	7731.7	7778.7	7855.0
37°	6115.2	6132.6	6158.7	6570.4	6962.4	7381.1	7602.7	7754.3	7779.4	7839.5	7923.4
38°	6068.9	6190.0	6130.7	6588.4	6773.0	7240.6	7644.1	7829.1	7831.8	7895.8	7993.4
39°	6109.7	6254.6	6171.2	6617.7	6705.6	7144.5	7674.1	7906.2	7893.0	7967.0	8061.8
40°	6159.2	6318.9	6216.1	6367.9	6764.9	7202.9	7723.1	7978.7	7962.4	8042.7	8125.7
41°	6187.7	6334.8	6244.9	6292.2	6802.0	7264.6	7737.0	8063.1	8038.2	8119.3	8190.3
42°	6172.4	5876.0	6247.4	6328.0	6791.4	7304.7	7762.0	8140.3	8108.3	8194.3	8263.7
43°	5775.5	5909.9	5844.0	6331.6	6825.1	7267.8	7823.8	8205.3	8185.3	8270.7	8337.6
44°	5815.9	5951.2	5888.7	6364.7	6873.3	7289.3	7880.3	8272.1	8270.3	8337.9	8424.1

REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5873.4	5985.1	5943.5	6394.7	6913.6	7348.6	7953.9	8330.0	8360.5	8415.2	8522.8
46°	5905.7	5864.3	5968.3	6078.2	6703.8	7397.4	7930.9	8374.6	8441.4	8507.5	8627.1
47°	5815.6	5450.2	5881.7	6066.9	6609.9	7427.9	7925.8	8435.4	8523.7	8601.2	8730.7
48°	5452.1	5474.7	5530.0	6109.1	6654.2	7418.9	7983.9	8499.3	8618.0	8700.7	8829.8
49°	5507.4	5504.2	5584.0	6128.9	6721.2	7266.8	8060.7	8556.4	8711.3	8800.1	8929.3
50°	5564.0	5525.2	5641.1	6119.9	6736.0	7280.0	8100.3	8607.1	8791.7	8899.6	9033.9
51°	5617.0	4980.5	5683.8	5751.3	6752.8	7305.9	8125.3	8631.5	8875.3	9005.5	9149.2
52°	5142.6	4994.5	5198.3	5805.9	6488.6	7341.7	8182.1	8583.8	8958.1	9108.3	9261.3
53°	5124.6	5014.5	5198.7	5866.7	6498.6	7408.3	8192.7	8555.7	9034.9	9200.5	9387.6
54°	5137.7	4617.5	5201.3	5923.2	6534.7	7407.6	8196.8	8571.4	9091.0	9295.6	9520.2
55°	4777.7	4409.5	4837.9	5542.9	6550.3	7403.4	8190.9	8604.1	9148.4	9384.2	9655.7
56°	4594.4	4410.3	4668.8	5513.2	6419.8	7353.1	8163.6	8631.5	9211.4	9481.6	9795.7
57°	4597.6	3944.8	4678.6	5535.8	6283.7	7221.4	8141.2	8625.3	9267.3	9579.8	9932.7
58°	4151.3	3815.9	4204.2	5253.9	6356.6	7236.2	8049.1	8607.0	9312.7	9664.0	10069.7
59°	4046.2	3789.5	4119.8	5149.5	6430.7	7217.7	8050.2	8595.3	9351.7	9748.5	10200.7
60°	3932.3	3174.6	3971.0	5150.7	6348.2	7177.4	7951.3	8577.1	9371.4	9844.3	10328.7
61°	3481.5	3150.6	3551.8	4754.6	6165.5	7092.9	7882.8	8522.0	9348.9	9934.7	10463.7
62°	3384.5	2533.9	3417.4	4745.8	6136.9	7015.0	7783.6	8465.9	9271.6	10008.6	10609.4
63°	2888.1	2191.8	2949.7	4440.4	6020.3	6980.0	7678.3	8355.2	9204.3	10075.6	10755.2
64°	2575.3	1849.7	2602.9	4350.1	5909.9	6879.0	7584.3	8271.9	9150.6	10147.5	10889.2
65°	2240.3	1508.2	2251.5	4011.5	5839.6	6740.0	7469.9	8145.3	9110.2	10216.4	11017.2
66°	1905.4	1197.9	1900.3	3898.3	5673.0	6769.1	7350.0	7991.0	9066.0	10267.6	11137.4
67°	1568.2	796.5	1547.4	3580.8	5581.4	6792.0	7176.0	7776.4	8976.3	10301.1	11252.6
68°	1166.4	395.3	1117.7	3274.3	5427.8	6772.9	7008.8	7535.9	8824.1	10313.9	11358.0
69°	817.3	0.7	767.5	2925.5	5284.0	6524.8	6802.7	7092.1	8574.9	10283.4	11436.8
70°	731.8	0.6	656.7	2709.5	5137.9	6316.2	6498.2	6451.4	8205.6	10212.5	11472.3
71°	639.3	0.6	559.0	2563.0	4957.8	6130.1	6064.5	5786.4	7653.8	10106.1	11467.4
72°	538.4	0.6	451.6	2323.5	4747.7	5910.8	5568.7	5222.6	7010.9	9946.5	11420.1
73°	435.0	0.6	342.1	2059.8	4501.2	5610.8	5053.5	4783.2	6379.7	9666.7	11286.1
74°	343.5	0.7	244.9	1796.2	4196.2	5310.0	4554.5	4231.7	5765.9	9288.3	11035.0
75°	249.3	0.8	148.6	1532.1	3871.4	4968.7	3986.3	3314.9	5083.8	8795.1	10659.7
76°	155.1	0.9	84.5	1231.8	3428.9	4518.9	3299.2	2115.7	4091.3	8164.7	10107.1
77°	74.5	1.1	38.9	949.3	2833.9	3994.2	2668.9	977.9	2768.4	7396.3	9259.6
78°	55.1	1.3	31.0	639.1	2191.9	3342.4	2038.6	708.6	1356.8	6353.2	7934.1
79°	35.7	1.5	23.0	455.4	1549.8	2442.8	1408.3	461.6	976.5	4950.6	6220.3
80°	16.6	1.8	15.1	271.6	915.1	1543.2	778.0	214.7	619.5	3173.4	4370.1
81°	14.5	2.1	13.4	88.4	648.9	656.5	169.7	183.8	262.6	1511.7	2442.8
82°	12.9	2.4	12.1	59.7	382.8	407.0	145.8	160.1	228.8	1098.6	951.2
83°	11.6	2.7	11.0	47.7	121.0	158.9	124.4	136.8	198.5	698.6	736.5
84°	10.5	3.0	10.1	37.4	103.2	125.3	104.1	114.4	169.2	298.6	552.9
85°	9.5	3.4	9.3	28.9	86.9	99.7	84.6	91.5	141.4	236.0	369.3
86°	8.6	3.7	8.3	24.0	70.3	77.6	66.3	68.6	115.0	190.8	304.7
87°	7.8	4.1	7.6	19.2	52.1	58.7	50.2	45.7	92.7	152.6	234.3
88°	7.2	4.5	7.1	14.4	37.0	41.5	35.5	26.4	68.7	115.5	156.8
89°	6.4	4.8	6.5	10.4	21.9	24.3	20.7	11.3	44.7	90.1	90.9



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6198.7	6198.7	6198.7
1°	6204.1	6204.6	6203.2
2°	6211.6	6211.1	6210.3
3°	6221.9	6220.2	6220.0
4°	6234.2	6231.2	6230.4
5°	6248.0	6244.1	6242.7
6°	6263.4	6257.3	6256.5
7°	6281.2	6274.5	6272.9
8°	6302.4	6294.0	6291.0
9°	6325.9	6316.0	6312.2
10°	6352.3	6340.8	6337.4
11°	6382.6	6369.1	6366.7
12°	6416.2	6400.3	6397.7
13°	6452.7	6435.7	6433.3
14°	6491.8	6476.7	6473.0
15°	6536.9	6519.7	6516.2
16°	6585.1	6565.8	6561.9
17°	6637.6	6615.9	6608.6
18°	6691.2	6665.2	6658.6
19°	6747.3	6718.1	6708.2
20°	6805.1	6770.6	6760.4
21°	6865.4	6827.5	6812.4
22°	6927.2	6885.7	6865.5
23°	6991.8	6948.6	6924.2
24°	7054.5	7013.1	6982.6
25°	7118.3	7082.4	7045.3
26°	7185.5	7154.1	7109.7
27°	7253.6	7223.8	7178.2
28°	7316.7	7297.3	7250.8
29°	7377.9	7369.5	7326.7
30°	7444.6	7443.7	7406.8
31°	7512.2	7519.7	7488.3
32°	7579.2	7594.2	7574.2
33°	7651.7	7670.9	7666.3
34°	7721.4	7749.4	7758.5
35°	7792.2	7828.0	7854.3
36°	7865.4	7903.3	7949.4
37°	7939.4	7977.8	8048.1
38°	8011.1	8049.5	8149.3
39°	8082.0	8121.0	8249.9
40°	8155.8	8199.0	8358.8
41°	8231.8	8285.1	8464.6
42°	8310.8	8379.9	8571.2
43°	8393.4	8478.5	8668.1
44°	8485.7	8585.1	8760.7

REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8583.4	8690.6	8849.4
46°	8692.1	8801.6	8933.5
47°	8804.0	8921.4	9013.0
48°	8912.7	9046.4	9091.2
49°	9024.5	9174.7	9173.9
50°	9143.1	9311.1	9259.9
51°	9268.8	9447.2	9349.9
52°	9398.2	9590.6	9441.5
53°	9533.1	9732.0	9543.2
54°	9675.7	9874.6	9655.1
55°	9816.1	10012.5	9764.8
56°	9961.3	10147.5	9876.6
57°	10102.2	10277.5	9984.0
58°	10246.0	10394.7	10088.4
59°	10394.7	10499.1	10190.8
60°	10544.4	10598.6	10291.3
61°	10695.1	10701.0	10376.0
62°	10841.9	10794.6	10449.9
63°	10983.7	10865.5	10520.8
64°	11121.6	10917.7	10613.4
65°	11260.5	10989.6	10709.9
66°	11398.4	11080.3	10768.0
67°	11512.7	11142.3	10775.9
68°	11587.5	11147.2	10765.1
69°	11667.3	11090.1	10639.0
70°	11720.5	10955.2	10223.3
71°	11693.9	10629.1	9409.0
72°	11546.2	9987.9	8357.6
73°	11332.4	9078.4	7330.1
74°	11004.4	8047.6	6322.7
75°	10403.6	6916.5	4826.5
76°	9567.1	5490.8	2878.9
77°	8572.2	3644.5	1248.2
78°	7301.9	1802.6	953.2
79°	5520.4	811.1	677.3
80°	3220.3	601.2	401.5
81°	1522.2	417.6	365.4
82°	1114.2	367.5	334.1
83°	745.1	328.5	302.8
84°	376.1	289.5	270.8
85°	302.4	250.6	237.6
86°	252.7	214.5	201.3
87°	208.6	181.0	165.3
88°	165.9	148.8	134.2
89°	116.1	115.6	110.4



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



REPORT NUMBER: P1436818

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)