

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: P1436842

Luminaire Tested: XAS300-SFPM (5000K-300W-T5-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436842
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-300W-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 35446.3 lumens
Efficiency: 96.0%
Efficacy: 118.2 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

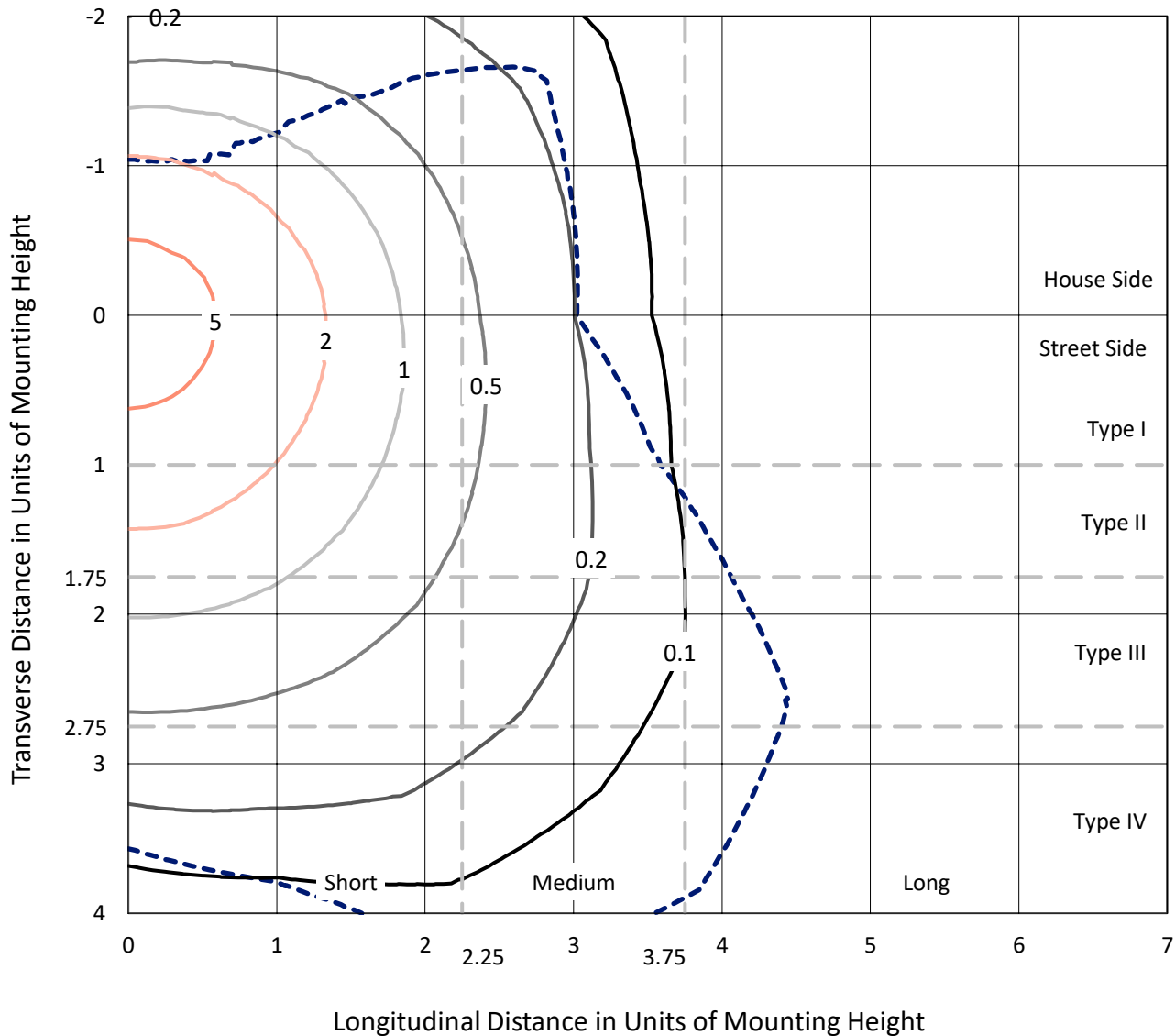
Input Watts (W): 299.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

Iso-Footcandle Lines of Horizontal Illumination

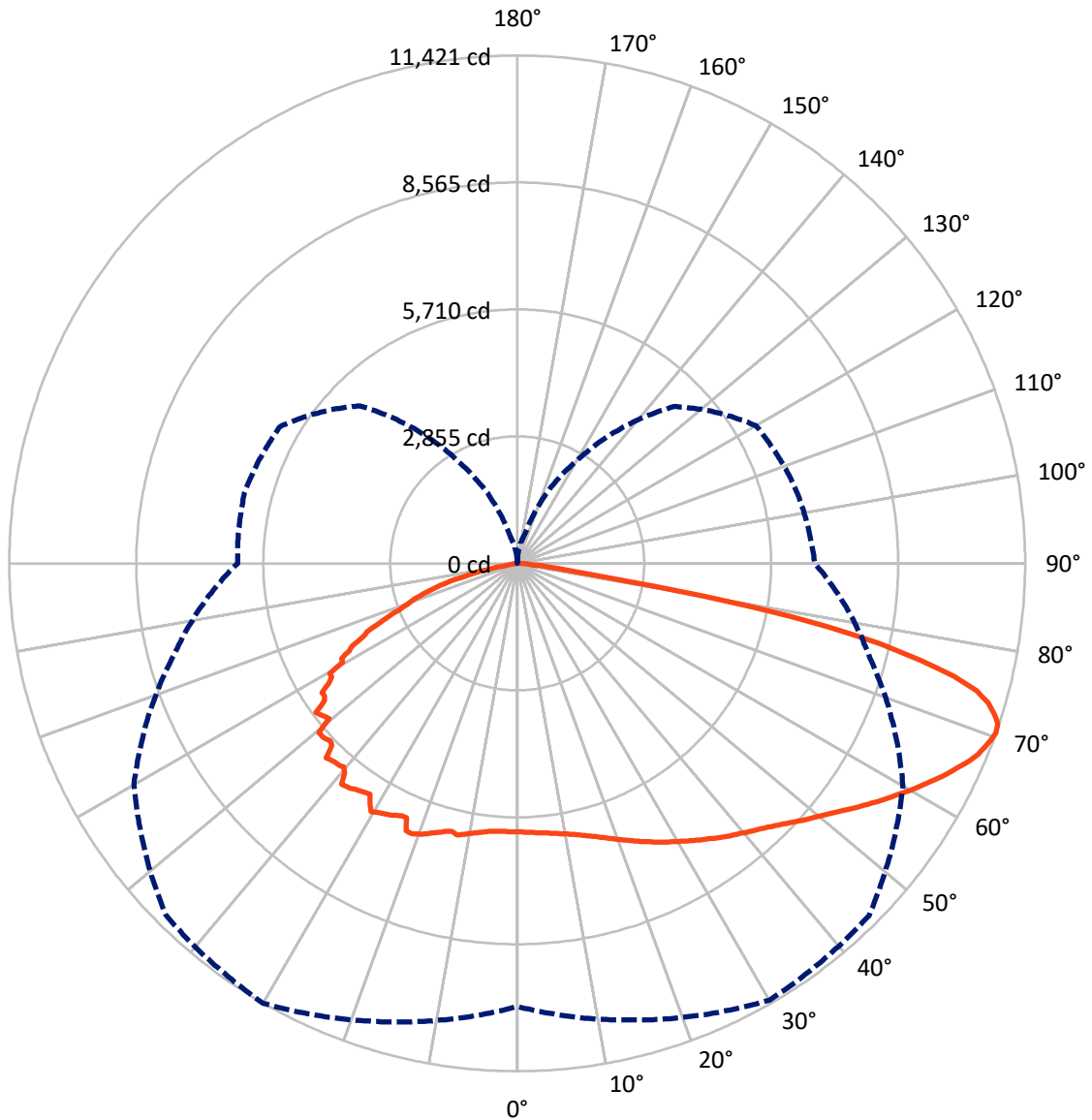
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Medium - Semi-Cutoff

REPORT NUMBER: P1436842
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

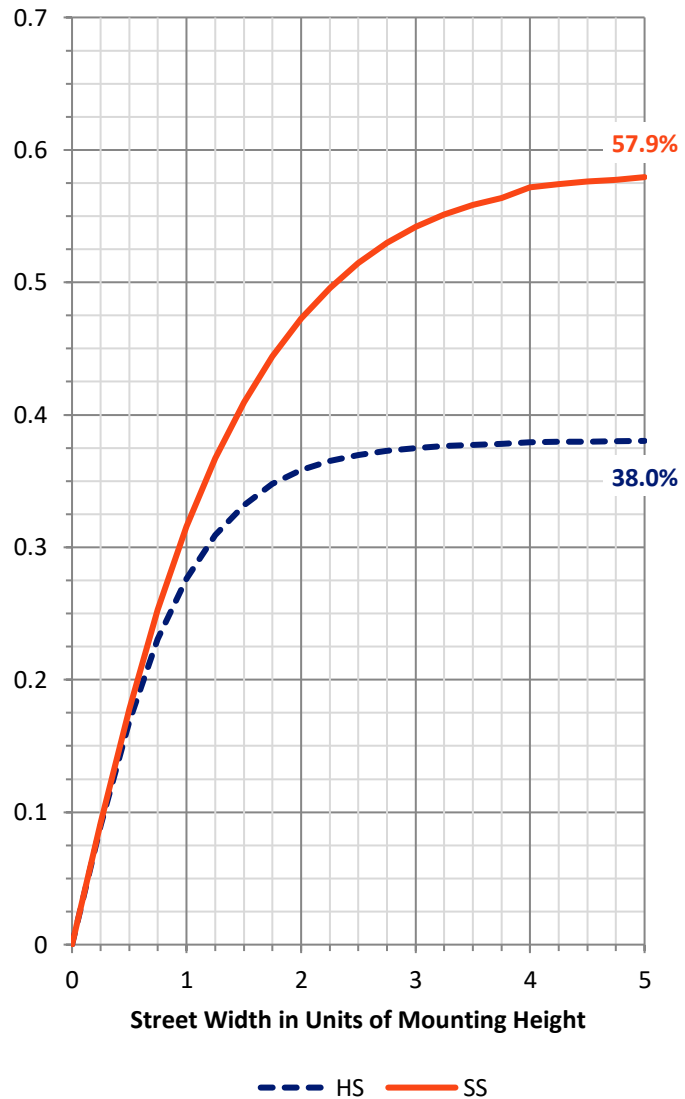
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14076.4	0.0	14076.4
	% Lamp	38.1	0.0	38.1
Street Side	Lumens	21369.9	0.0	21369.9
	% Lamp	57.9	0.0	57.9
Total	Lumens	35446.3	0.0	35446.3
	% Lamp	96.0	0.0	96.0

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	583.1	1.6	1.6
10°-20°	1802.5	5.1	4.9
20°-30°	3116.4	8.8	8.4
30°-40°	4465.8	12.6	12.1
40°-50°	5773.5	16.3	15.6
50°-60°	6947.9	19.6	18.8
60°-70°	7437.4	21.0	20.1
70°-80°	5001.2	14.1	13.5
80°-90°	318.5	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°	35446.3	100.0	96.0
0°-180°	35446.3	100.0	96.0

Coefficient of Utilization



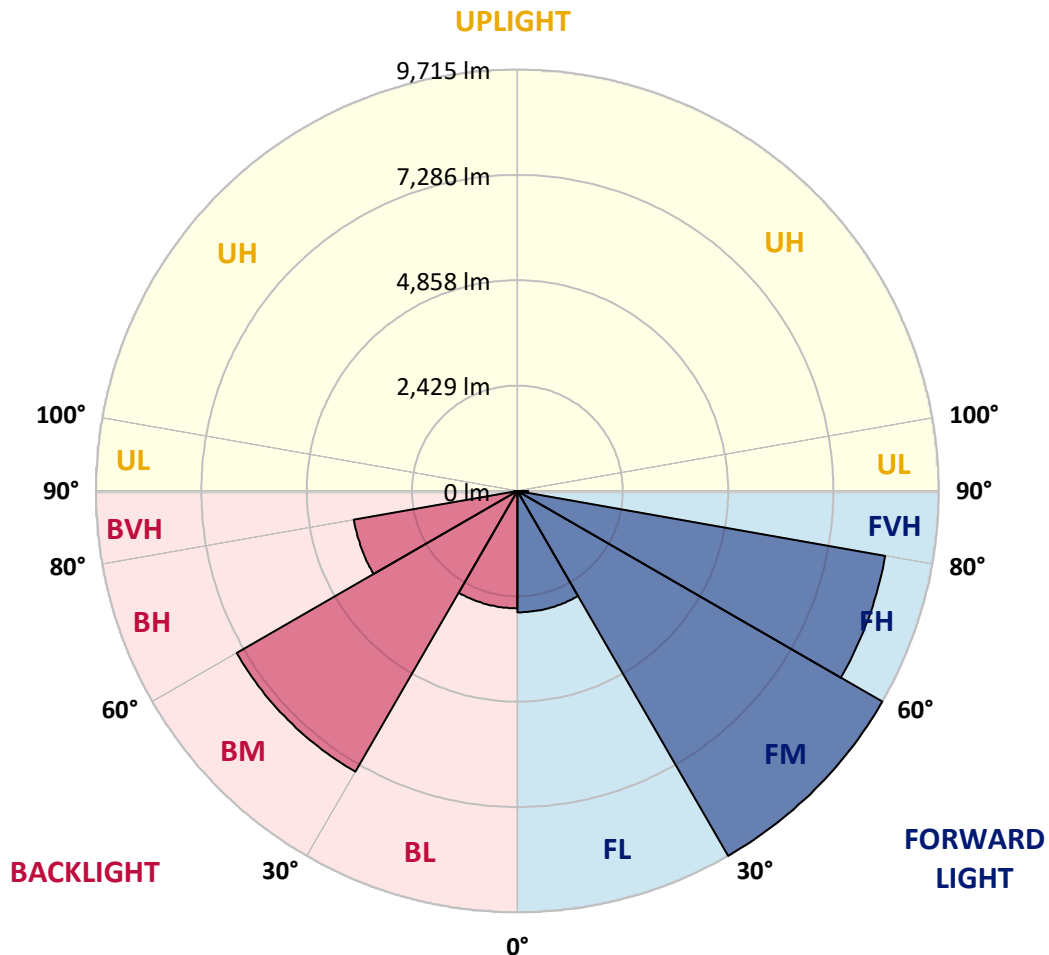
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CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2796.7	7.6			
FM (30°-60°)	9715.1	26.3			
FH (60°-80°)	8609.2	23.3			G4/12000
FVH (80°-90°)	248.9	0.7			G3/500
BL (0°-30°)	2705.3	7.3	B4/5000		
BM (30°-60°)	7472.1	20.2	B4/8500		
BH (60°-80°)	3829.4	10.4	B4/5000		G4/5000
BVH (80°-90°)	69.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	1485.7	4.0			

BUG Rating: B4-U0-G4
 Type IV Medium





REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0
1°	6044.4	6045.0	6043.2	6044.7	6043.8	6041.8	6039.0	6037.1	6035.8	6036.1	6035.8
2°	6051.3	6050.9	6049.1	6049.5	6046.9	6044.3	6040.7	6037.8	6034.8	6034.5	6034.8
3°	6060.7	6059.3	6056.5	6056.1	6054.0	6051.9	6045.4	6041.3	6037.4	6035.6	6035.5
4°	6070.9	6068.5	6066.6	6067.6	6064.6	6063.7	6056.2	6048.9	6043.3	6040.1	6038.9
5°	6082.9	6080.4	6080.0	6081.3	6081.7	6081.3	6072.2	6062.9	6052.8	6047.3	6045.3
6°	6096.3	6094.3	6094.4	6099.2	6101.8	6099.2	6089.7	6080.0	6065.7	6056.1	6053.5
7°	6112.3	6110.2	6111.1	6119.5	6122.2	6118.6	6108.3	6098.0	6082.7	6070.5	6072.2
8°	6129.9	6128.7	6131.8	6141.5	6144.3	6142.0	6130.9	6118.4	6102.3	6092.6	6096.8
9°	6150.6	6149.6	6155.7	6165.3	6171.3	6167.5	6155.3	6139.2	6123.1	6121.0	6123.7
10°	6175.1	6173.9	6181.0	6192.5	6199.4	6194.2	6180.0	6161.3	6145.1	6153.6	6154.7
11°	6203.7	6201.4	6209.5	6223.7	6229.4	6223.6	6208.0	6187.0	6173.2	6186.9	6185.6
12°	6233.9	6230.9	6241.4	6256.2	6261.3	6256.1	6228.1	6206.0	6208.3	6223.0	6220.3
13°	6268.6	6263.6	6274.5	6292.7	6295.9	6277.2	6246.6	6223.0	6230.4	6259.8	6256.2
14°	6307.3	6300.6	6310.3	6329.9	6334.5	6303.4	6272.9	6243.3	6257.4	6298.3	6207.4
15°	6349.3	6342.0	6350.3	6368.8	6363.7	6334.0	6303.8	6272.9	6283.4	6325.8	6219.3
16°	6393.9	6385.9	6395.6	6412.2	6398.0	6368.9	6348.1	6313.5	6317.7	6342.0	6263.1
17°	6439.4	6429.8	6442.3	6456.7	6436.1	6414.9	6383.7	6346.2	6357.1	6308.6	6308.4
18°	6488.1	6477.9	6490.7	6508.7	6470.6	6459.3	6427.2	6385.3	6393.1	6323.5	6357.4
19°	6536.5	6527.1	6541.8	6556.9	6513.6	6502.7	6480.0	6439.7	6437.5	6366.5	6410.2
20°	6587.3	6577.4	6595.3	6599.2	6562.5	6548.9	6538.0	6495.9	6492.0	6403.4	6460.2
21°	6638.0	6630.0	6650.3	6647.0	6614.1	6607.6	6596.0	6545.1	6544.8	6444.9	6494.8
22°	6689.8	6684.6	6707.4	6698.5	6661.9	6669.3	6640.7	6575.1	6575.7	6499.7	6524.1
23°	6746.9	6743.3	6766.6	6750.8	6718.5	6731.4	6668.1	6610.1	6565.4	6553.3	6511.3
24°	6803.8	6804.5	6825.8	6802.3	6772.9	6780.3	6701.3	6670.6	6587.1	6592.9	6242.3
25°	6864.9	6867.8	6887.6	6859.2	6833.5	6820.0	6754.5	6707.2	6629.0	6632.4	6242.0
26°	6927.7	6932.0	6950.7	6914.0	6895.8	6859.5	6802.5	6751.7	6665.6	6680.6	6280.4
27°	6994.4	7001.6	7017.4	6978.3	6957.8	6903.5	6840.0	6811.7	6722.3	6706.6	6323.9
28°	7065.2	7074.1	7085.1	7037.8	7018.2	6964.7	6892.9	6870.4	6778.0	6584.4	6358.4
29°	7139.2	7145.6	7151.4	7095.1	7072.9	7027.8	6959.3	6916.9	6807.8	6439.5	6394.8
30°	7217.2	7218.0	7213.2	7152.9	7127.0	7074.7	7028.4	6949.4	6834.7	6461.8	6433.6
31°	7296.6	7290.3	7273.7	7220.3	7168.8	7129.1	7086.9	6995.7	6885.2	6468.8	6478.1
32°	7380.2	7364.2	7340.0	7282.6	7217.5	7185.1	7123.8	7049.2	6937.9	6497.3	6337.5
33°	7470.0	7438.8	7405.5	7344.0	7268.2	7248.8	7170.0	7102.9	6958.6	6542.5	6155.9
34°	7559.8	7512.6	7469.3	7412.3	7330.7	7311.9	7230.3	7132.6	6998.2	6591.7	6183.2
35°	7653.2	7589.4	7538.8	7483.2	7394.3	7371.8	7294.8	7178.0	7029.8	6632.0	6209.4
36°	7745.9	7661.9	7604.8	7552.0	7454.7	7417.9	7362.6	7227.1	7062.6	6652.9	6247.3
37°	7842.1	7732.8	7672.2	7620.5	7508.2	7452.1	7412.9	7264.3	7066.5	6661.0	6298.3
38°	7940.7	7802.0	7736.8	7691.6	7568.9	7498.6	7474.2	7308.2	6925.4	6478.2	6323.3
39°	8038.7	7871.9	7805.7	7754.8	7623.6	7554.5	7554.3	7340.4	6816.7	6401.3	6341.8
40°	8144.8	7946.0	7870.8	7817.4	7690.5	7619.1	7628.9	7386.4	6867.8	6456.0	6100.2
41°	8247.9	8027.3	7938.7	7885.7	7765.1	7689.9	7698.0	7407.4	6926.7	6504.8	6012.8
42°	8351.7	8117.2	8016.7	7947.9	7842.8	7763.7	7766.6	7426.0	6983.8	6497.3	6056.8
43°	8446.2	8213.5	8099.5	8019.9	7922.1	7817.8	7826.1	7480.6	6961.1	6516.5	6062.1
44°	8536.4	8314.6	8186.1	8095.1	8003.0	7887.9	7884.8	7524.3	6967.3	6564.0	6094.6



REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	8622.9	8417.7	8273.5	8172.0	8074.1	7963.3	7948.0	7598.6	7014.7	6596.7	6127.3
46°	8704.7	8523.8	8366.7	8260.8	8147.6	8053.0	7993.9	7605.3	7069.9	6402.2	5845.3
47°	8782.3	8634.5	8466.3	8356.8	8229.4	8134.5	8039.2	7582.6	7083.8	6294.7	5794.5
48°	8858.4	8753.4	8570.7	8458.5	8313.1	8213.5	8104.8	7625.1	7090.5	6329.7	5843.3
49°	8939.0	8878.4	8682.4	8561.5	8406.4	8300.6	8166.1	7687.3	6941.1	6392.8	5861.5
50°	9022.8	9009.3	8795.5	8656.7	8504.6	8385.4	8225.9	7726.2	6922.0	6421.2	5859.4
51°	9110.5	9141.4	8913.5	8758.9	8604.5	8463.0	8276.4	7750.3	6946.4	6433.7	5483.6
52°	9199.8	9279.3	9035.8	8871.7	8711.4	8543.5	8274.3	7792.0	6970.2	6203.2	5528.1
53°	9298.9	9419.0	9158.6	8988.0	8813.8	8620.0	8223.8	7815.2	7041.3	6175.6	5586.9
54°	9407.9	9557.4	9294.9	9110.2	8903.7	8688.8	8211.4	7814.3	7044.1	6204.3	5632.5
55°	9514.8	9692.8	9435.3	9240.5	8997.6	8743.1	8233.3	7814.2	7043.1	6221.6	5318.7
56°	9623.7	9824.3	9578.4	9380.2	9095.4	8804.9	8266.4	7798.6	7004.3	6139.3	5252.7
57°	9728.4	9951.0	9723.6	9517.7	9198.6	8876.2	8284.1	7789.8	6851.9	5934.7	5266.9
58°	9830.1	10068.1	9870.4	9663.1	9299.8	8942.1	8280.1	7706.9	6873.2	6008.6	5029.4
59°	9929.9	10174.7	10018.2	9805.1	9397.9	8996.0	8271.3	7709.5	6863.5	6085.8	4888.2
60°	10027.8	10275.4	10163.1	9951.0	9489.4	9042.6	8268.1	7646.6	6835.5	6058.7	4892.1
61°	10110.4	10361.8	10310.9	10089.2	9582.9	9068.0	8243.5	7581.7	6774.3	5853.6	4512.8
62°	10182.3	10437.6	10455.9	10221.7	9677.5	9050.5	8183.1	7502.7	6692.1	5828.0	4494.9
63°	10251.4	10505.8	10598.9	10358.0	9762.9	8975.5	8111.9	7416.1	6665.8	5739.5	4259.8
64°	10341.7	10571.0	10745.7	10501.9	9828.2	8906.6	8021.2	7333.1	6591.1	5619.9	4129.6
65°	10435.7	10651.7	10882.0	10649.7	9900.2	8851.6	7933.0	7234.0	6438.0	5568.6	3830.6
66°	10492.3	10737.1	11002.9	10781.2	9969.3	8821.5	7814.2	7150.7	6461.4	5409.0	3716.4
67°	10500.0	10799.5	11106.6	10907.0	10011.5	8773.9	7671.6	7020.8	6501.3	5324.8	3398.7
68°	10489.5	10809.1	11209.3	11026.9	10042.2	8679.1	7442.8	6885.3	6532.9	5210.7	3158.5
69°	10366.6	10764.9	11296.6	11124.8	10041.2	8517.1	7173.4	6719.6	6362.4	5102.1	2852.7
70°	9961.6	10629.6	11337.9	11190.1	10012.5	8210.8	6690.7	6478.8	6194.7	4984.8	2646.6
71°	9168.1	10280.2	11303.4	11206.4	9944.3	7795.3	6062.8	6129.0	6060.3	4827.0	2516.7
72°	8143.7	9633.3	11186.3	11163.2	9839.7	7262.1	5471.8	5700.3	5891.0	4646.6	2314.1
73°	7142.4	8745.2	10973.2	11069.2	9656.4	6681.0	4962.2	5213.8	5629.8	4452.1	2110.8
74°	6160.8	7771.3	10646.9	10888.7	9368.2	6103.1	4509.3	4706.4	5360.3	4223.3	1907.3
75°	4702.9	6683.2	10156.4	10558.6	9032.6	5523.6	3969.2	4200.0	5057.6	3945.6	1702.2
76°	2805.2	5274.1	9397.4	10054.7	8540.8	4744.0	2924.6	3710.8	4689.8	3574.9	1428.8
77°	1216.2	3342.3	8396.6	9281.7	7895.3	3574.7	1880.1	2813.1	4271.9	3092.1	1162.4
78°	928.8	1561.1	7164.1	8148.3	7005.5	2136.6	850.8	1915.3	3772.6	2490.0	853.4
79°	660.0	1169.5	5482.6	6704.8	5687.8	914.9	313.7	1017.7	3079.2	1887.7	516.2
80°	391.2	782.0	3355.0	4907.6	4002.7	684.2	264.6	726.1	2120.6	1285.4	316.9
81°	356.1	394.5	1611.3	3021.0	2182.7	458.8	215.5	434.6	1162.4	720.0	119.0
82°	325.5	351.4	1175.1	1338.3	919.8	233.5	166.7	152.2	818.1	422.0	70.8
83°	295.0	313.6	771.0	1004.5	615.8	201.8	143.3	129.6	473.7	127.3	49.4
84°	263.9	277.1	367.0	688.3	313.7	172.5	121.1	108.8	132.4	102.6	38.2
85°	231.5	242.1	296.7	372.1	249.1	144.9	99.4	88.2	104.4	85.4	29.9
86°	196.1	207.9	245.4	310.8	200.3	118.5	77.9	69.5	80.4	69.6	25.0
87°	161.1	176.2	203.1	244.3	161.4	94.6	56.4	52.9	61.7	52.5	20.1
88°	130.8	145.4	162.5	170.7	125.3	72.6	40.3	40.9	45.7	37.4	15.2
89°	107.5	113.5	116.4	100.7	96.5	50.7	24.1	29.0	32.5	22.3	10.6



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CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0	6040.0
1°	6035.5	6037.0	6038.4	6039.7	6041.9	6042.9	6045.2	6044.0	6044.0	6045.0	6046.6
2°	6033.9	6036.7	6038.7	6041.6	6045.2	6048.3	6050.3	6052.4	6052.2	6053.3	6053.8
3°	6035.8	6038.2	6042.2	6045.8	6050.8	6055.1	6058.9	6063.0	6063.7	6064.6	6063.2
4°	6038.8	6042.6	6046.4	6051.3	6058.3	6066.0	6072.4	6077.2	6078.7	6079.3	6076.4
5°	6043.3	6046.7	6051.9	6059.8	6068.5	6079.2	6087.6	6093.4	6095.3	6095.4	6092.6
6°	6056.4	6061.8	6066.6	6069.5	6082.9	6095.2	6104.5	6112.8	6113.8	6113.4	6108.5
7°	6077.9	6083.7	6088.1	6091.2	6098.2	6113.2	6124.5	6134.6	6136.0	6134.3	6128.0
8°	6100.9	6105.7	6110.0	6116.7	6121.4	6134.4	6146.9	6157.7	6161.1	6160.3	6151.1
9°	6126.1	6129.8	6136.0	6145.7	6150.4	6156.7	6169.8	6181.8	6187.0	6187.0	6175.5
10°	6151.1	6155.0	6161.9	6176.2	6182.8	6181.5	6197.1	6211.4	6215.4	6214.8	6203.0
11°	6182.7	6186.4	6191.9	6208.1	6219.0	6213.9	6229.0	6246.6	6250.7	6247.6	6235.4
12°	6190.0	6151.2	6205.3	6243.9	6259.1	6254.6	6249.0	6270.2	6289.1	6285.9	6270.9
13°	6132.3	6135.9	6143.2	6281.2	6299.6	6280.8	6276.7	6299.0	6318.2	6330.7	6310.0
14°	6168.4	6175.4	6183.0	6242.0	6343.6	6313.5	6304.7	6329.0	6349.9	6369.8	6352.2
15°	6212.7	6216.2	6224.6	6247.2	6375.3	6347.1	6340.9	6367.7	6385.3	6405.9	6399.0
16°	6257.6	6262.1	6269.8	6294.6	6409.9	6391.3	6377.2	6411.5	6428.1	6445.0	6449.7
17°	6305.4	6309.7	6319.9	6345.4	6386.4	6428.1	6417.5	6456.8	6479.7	6485.1	6501.3
18°	6354.1	6350.5	6367.8	6397.8	6396.2	6472.7	6468.6	6507.3	6525.1	6533.7	6549.9
19°	6397.6	6392.3	6413.7	6452.6	6436.4	6529.5	6525.4	6567.3	6576.7	6586.7	6592.6
20°	6439.8	6414.0	6457.7	6506.0	6479.6	6587.9	6578.5	6627.1	6635.9	6643.9	6643.2
21°	6344.9	6120.5	6368.8	6538.9	6535.0	6636.6	6627.9	6679.1	6701.1	6692.0	6698.1
22°	6137.4	6126.9	6166.1	6573.2	6594.3	6672.8	6662.1	6723.1	6765.6	6750.6	6749.4
23°	6175.2	6166.9	6208.1	6576.4	6642.9	6672.7	6713.8	6755.2	6824.0	6806.9	6807.4
24°	6215.6	6210.7	6251.9	6315.9	6691.1	6703.0	6778.8	6808.0	6879.1	6872.5	6865.2
25°	6263.2	6262.1	6302.3	6322.1	6734.5	6739.6	6819.5	6869.0	6920.9	6939.7	6924.0
26°	6317.3	6314.0	6360.1	6369.8	6788.9	6784.4	6869.9	6910.0	6965.4	7005.0	6984.8
27°	6366.3	6365.3	6413.2	6413.1	6811.3	6845.3	6937.0	6958.0	7031.1	7066.3	7040.5
28°	6419.3	6367.1	6463.6	6451.2	6700.2	6900.2	6997.5	7025.8	7101.2	7123.5	7099.1
29°	6354.2	6044.1	6385.9	6488.3	6558.0	6926.9	7037.7	7098.3	7158.0	7180.9	7164.6
30°	6076.5	6086.8	6124.9	6536.8	6575.4	6963.0	7082.1	7163.4	7214.1	7230.5	7227.1
31°	6115.8	6136.8	6169.7	6581.8	6589.0	7015.5	7137.3	7212.4	7273.9	7279.5	7290.0
32°	6157.3	6195.7	6213.9	6423.8	6628.2	7069.8	7197.5	7259.9	7340.4	7331.7	7364.3
33°	6204.8	6255.8	6265.2	6255.0	6680.3	7091.6	7253.7	7313.4	7401.7	7400.0	7438.0
34°	6254.4	6311.8	6312.5	6284.0	6733.5	7132.6	7284.4	7375.7	7459.0	7465.4	7512.1
35°	6298.4	6362.8	6356.4	6310.9	6767.1	7162.5	7331.7	7444.2	7501.6	7530.1	7585.6
36°	6334.2	6004.3	6389.0	6355.1	6783.7	7191.1	7369.5	7501.0	7533.7	7579.6	7653.9
37°	5958.6	5975.6	6001.0	6402.2	6784.1	7192.1	7408.1	7555.8	7580.3	7638.8	7720.6
38°	5913.5	6031.6	5973.8	6419.7	6599.6	7055.3	7448.4	7628.6	7631.3	7693.6	7788.7
39°	5953.2	6094.4	6013.2	6448.3	6533.9	6961.6	7477.7	7703.8	7690.9	7763.0	7855.4
40°	6001.5	6157.1	6057.0	6204.9	6591.7	7018.5	7525.4	7774.4	7758.6	7836.8	7917.6
41°	6029.3	6172.6	6085.0	6131.1	6627.9	7078.6	7538.9	7856.7	7832.4	7911.4	7980.6
42°	6014.4	5725.6	6087.4	6166.0	6617.5	7117.7	7563.3	7931.9	7900.7	7984.5	8052.1
43°	5627.7	5758.6	5694.4	6169.5	6650.3	7081.8	7623.5	7995.3	7975.7	8058.9	8124.2
44°	5667.0	5798.8	5738.0	6201.7	6697.4	7102.7	7678.5	8060.4	8058.5	8124.5	8208.4



REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5723.0	5831.8	5791.3	6231.0	6736.6	7160.5	7750.2	8116.8	8146.4	8199.7	8304.6
46°	5754.5	5714.2	5815.5	5922.6	6532.2	7208.1	7727.9	8160.2	8225.3	8289.7	8406.3
47°	5666.7	5310.7	5731.1	5911.6	6440.7	7237.7	7722.9	8219.5	8305.5	8381.0	8507.2
48°	5312.5	5334.6	5388.4	5952.7	6483.8	7229.0	7779.5	8281.7	8397.3	8478.0	8603.8
49°	5366.4	5363.3	5441.0	5972.0	6549.2	7080.8	7854.4	8337.3	8488.3	8574.8	8700.7
50°	5421.5	5383.7	5496.7	5963.2	6563.6	7093.7	7893.0	8386.8	8566.6	8671.7	8802.6
51°	5473.2	4852.9	5538.3	5604.1	6579.9	7118.9	7917.2	8410.5	8648.1	8774.9	8914.9
52°	5010.9	4866.7	5065.3	5657.2	6322.5	7153.7	7972.6	8364.0	8728.7	8875.1	9024.2
53°	4993.4	4886.2	5065.6	5716.5	6332.3	7218.6	7983.0	8336.7	8803.6	8964.9	9147.3
54°	5006.1	4499.3	5068.1	5771.6	6367.4	7217.9	7986.9	8351.9	8858.2	9057.7	9276.5
55°	4655.4	4296.7	4714.1	5401.0	6382.6	7213.8	7981.2	8383.8	8914.2	9143.9	9408.5
56°	4476.8	4297.4	4549.3	5372.1	6255.5	7164.9	7954.6	8410.5	8975.6	9238.9	9544.9
57°	4479.9	3843.8	4558.8	5394.1	6122.8	7036.6	7932.8	8404.5	9030.0	9334.6	9678.4
58°	4045.0	3718.2	4096.5	5119.4	6193.9	7050.9	7843.1	8386.7	9074.3	9416.6	9811.9
59°	3942.6	3692.5	4014.3	5017.6	6266.0	7032.9	7844.1	8375.3	9112.3	9499.0	9939.5
60°	3831.6	3093.3	3869.4	5018.8	6185.7	6993.6	7747.7	8357.5	9131.5	9592.3	10064.3
61°	3392.4	3070.0	3460.9	4632.9	6007.7	6911.3	7680.9	8303.8	9109.6	9680.4	10195.8
62°	3297.8	2469.0	3329.9	4624.3	5979.8	6835.4	7584.3	8249.1	9034.2	9752.4	10337.8
63°	2814.2	2135.7	2874.2	4326.7	5866.2	6801.3	7481.7	8141.3	8968.7	9817.6	10479.9
64°	2509.4	1802.4	2536.2	4238.7	5758.6	6702.9	7390.1	8060.2	8916.3	9887.7	10610.4
65°	2182.9	1469.6	2193.9	3908.8	5690.1	6567.4	7278.7	7936.7	8876.9	9954.9	10735.2
66°	1856.6	1167.2	1851.6	3798.5	5527.8	6595.8	7161.8	7786.4	8833.9	10004.8	10852.3
67°	1528.1	776.2	1507.8	3489.1	5438.5	6618.1	6992.3	7577.3	8746.5	10037.4	10964.6
68°	1136.6	385.1	1089.1	3190.5	5288.9	6599.5	6829.3	7343.0	8598.2	10049.9	11067.3
69°	796.3	0.7	747.9	2850.6	5148.8	6357.8	6628.5	6910.5	8355.4	10020.1	11144.0
70°	713.0	0.5	639.9	2640.2	5006.3	6154.5	6331.9	6286.2	7995.6	9951.0	11178.6
71°	623.0	0.5	544.7	2497.4	4830.9	5973.2	5909.3	5638.2	7457.9	9847.4	11173.8
72°	524.6	0.5	440.1	2264.0	4626.2	5759.5	5426.1	5088.9	6831.4	9691.9	11127.7
73°	423.8	0.6	333.3	2007.1	4385.9	5467.1	4924.2	4660.7	6216.4	9419.2	10997.2
74°	334.7	0.6	238.6	1750.3	4088.8	5174.1	4437.9	4123.3	5618.3	9050.5	10752.4
75°	242.9	0.8	144.8	1492.8	3772.3	4841.5	3884.2	3230.1	4953.6	8569.9	10386.8
76°	151.1	0.9	82.3	1200.3	3341.1	4403.2	3214.7	2061.5	3986.6	7955.6	9848.3
77°	72.6	1.1	37.9	925.0	2761.4	3891.9	2600.5	952.8	2697.6	7206.9	9022.5
78°	53.7	1.3	30.2	622.8	2135.8	3256.8	1986.4	690.4	1322.1	6190.5	7731.0
79°	34.8	1.5	22.4	443.7	1510.1	2380.3	1372.2	449.8	951.5	4823.9	6061.0
80°	16.1	1.7	14.7	264.7	891.7	1503.7	758.1	209.2	603.7	3092.1	4258.3
81°	14.1	2.0	13.0	86.1	632.3	639.7	165.3	179.1	255.9	1473.0	2380.3
82°	12.6	2.3	11.8	58.1	373.0	396.6	142.1	156.0	222.9	1070.4	926.8
83°	11.3	2.7	10.8	46.5	117.9	154.9	121.2	133.3	193.5	680.7	717.7
84°	10.2	3.0	9.9	36.5	100.6	122.1	101.4	111.4	164.9	291.0	538.8
85°	9.3	3.3	9.0	28.1	84.7	97.1	82.4	89.1	137.8	230.0	359.9
86°	8.3	3.7	8.1	23.4	68.5	75.6	64.6	66.8	112.0	185.9	296.9
87°	7.6	4.0	7.4	18.7	50.8	57.2	49.0	44.5	90.4	148.7	228.3
88°	7.0	4.4	6.9	14.0	36.1	40.5	34.6	25.7	67.0	112.5	152.8
89°	6.2	4.7	6.3	10.1	21.3	23.7	20.2	11.1	43.6	87.8	88.6



REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6040.0	6040.0	6040.0
1°	6045.3	6045.8	6044.4
2°	6052.6	6052.1	6051.3
3°	6062.6	6060.9	6060.7
4°	6074.6	6071.7	6070.9
5°	6088.0	6084.3	6082.9
6°	6103.1	6097.1	6096.3
7°	6120.4	6113.9	6112.3
8°	6141.1	6132.8	6129.9
9°	6163.9	6154.3	6150.6
10°	6189.6	6178.5	6175.1
11°	6219.2	6206.1	6203.7
12°	6251.9	6236.5	6233.9
13°	6287.5	6270.9	6268.6
14°	6325.6	6310.9	6307.3
15°	6369.5	6352.8	6349.3
16°	6416.5	6397.7	6393.9
17°	6467.7	6446.6	6439.4
18°	6519.9	6494.6	6488.1
19°	6574.5	6546.1	6536.5
20°	6630.9	6597.3	6587.3
21°	6689.7	6652.7	6638.0
22°	6749.9	6709.5	6689.8
23°	6812.8	6770.7	6746.9
24°	6873.9	6833.6	6803.8
25°	6936.1	6901.1	6864.9
26°	7001.5	6970.9	6927.7
27°	7067.9	7038.9	6994.4
28°	7129.4	7110.5	7065.2
29°	7189.1	7180.8	7139.2
30°	7254.0	7253.2	7217.2
31°	7319.9	7327.2	7296.6
32°	7385.1	7399.7	7380.2
33°	7455.8	7474.5	7470.0
34°	7523.7	7551.0	7559.8
35°	7592.7	7627.6	7653.2
36°	7664.1	7701.0	7745.9
37°	7736.1	7773.6	7842.1
38°	7806.0	7843.4	7940.7
39°	7875.1	7913.1	8038.7
40°	7947.0	7989.1	8144.8
41°	8021.1	8073.0	8247.9
42°	8098.1	8165.4	8351.7
43°	8178.5	8261.4	8446.2
44°	8268.4	8365.3	8536.4

REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	8363.6	8468.1	8622.9
46°	8469.6	8576.2	8704.7
47°	8578.6	8693.0	8782.3
48°	8684.5	8814.8	8858.4
49°	8793.4	8939.8	8939.0
50°	8909.0	9072.7	9022.8
51°	9031.6	9205.4	9110.5
52°	9157.6	9345.0	9199.8
53°	9289.1	9482.8	9298.9
54°	9427.9	9621.8	9407.9
55°	9564.8	9756.2	9514.8
56°	9706.3	9887.7	9623.7
57°	9843.5	10014.4	9728.4
58°	9983.7	10128.6	9830.1
59°	10128.6	10230.3	9929.9
60°	10274.5	10327.3	10027.8
61°	10421.3	10427.1	10110.4
62°	10564.3	10518.3	10182.3
63°	10702.5	10587.4	10251.4
64°	10836.9	10638.2	10341.7
65°	10972.2	10708.3	10435.7
66°	11106.6	10796.6	10492.3
67°	11217.9	10857.1	10500.0
68°	11290.9	10861.9	10489.5
69°	11368.6	10806.2	10366.6
70°	11420.5	10674.7	9961.6
71°	11394.5	10357.0	9168.1
72°	11250.6	9732.2	8143.7
73°	11042.3	8845.9	7142.4
74°	10722.7	7841.6	6160.8
75°	10137.2	6739.4	4702.9
76°	9322.2	5350.2	2805.2
77°	8352.7	3551.2	1216.2
78°	7115.0	1756.5	928.8
79°	5379.1	790.3	660.0
80°	3137.8	585.8	391.2
81°	1483.2	406.9	356.1
82°	1085.7	358.1	325.5
83°	726.0	320.1	295.0
84°	366.4	282.1	263.9
85°	294.6	244.2	231.5
86°	246.2	209.0	196.1
87°	203.2	176.4	161.1
88°	161.6	145.0	130.8
89°	113.1	112.7	107.5



REPORT NUMBER: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-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: P1436842

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)