

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: P1436793

Luminaire Tested: XAS300-SFPM (3000K-300W-T5)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436793
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 (3000K-300W-T5)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

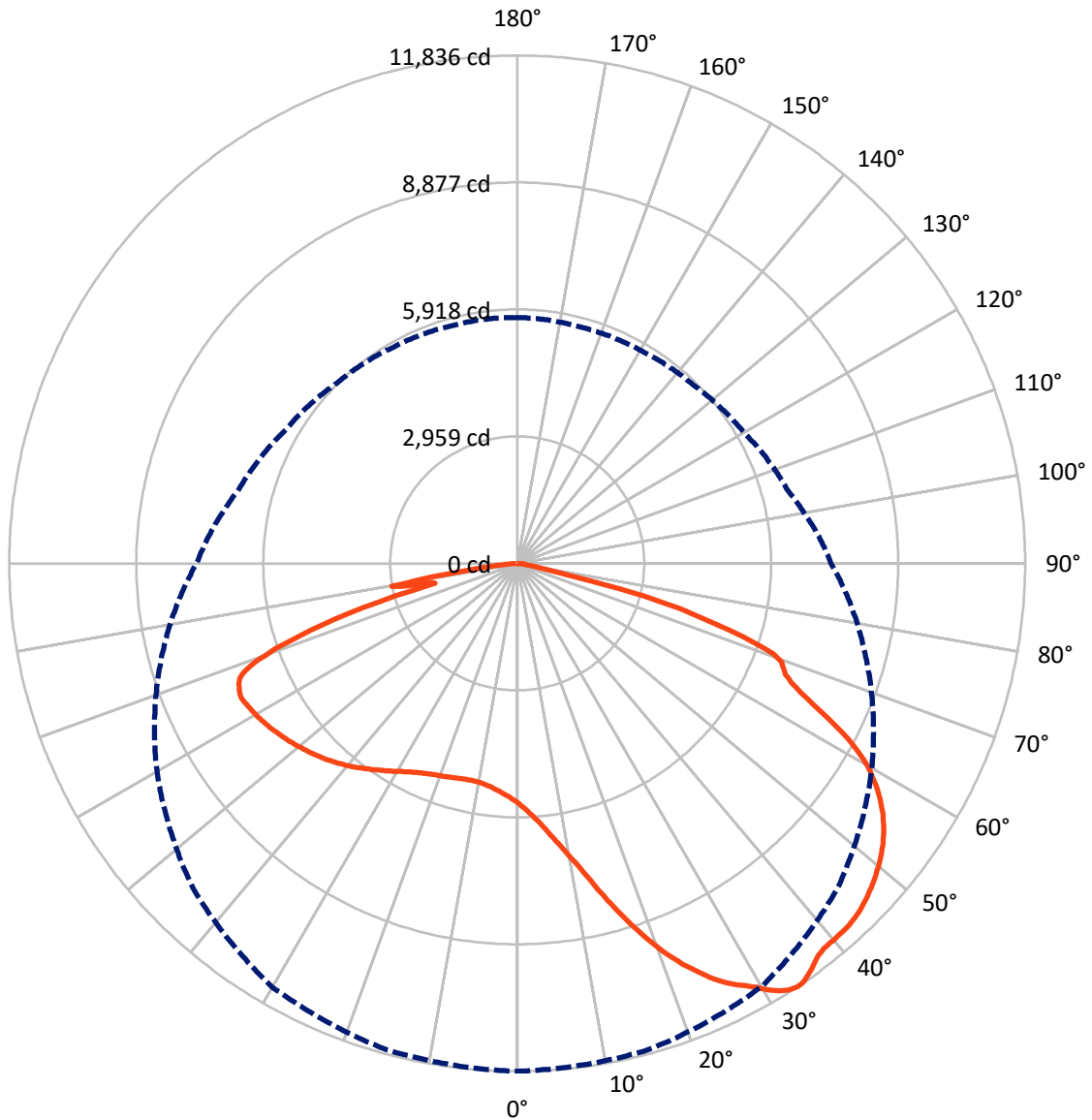
Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 40860 lumens
Efficiency: 87.8%
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

Input Watts (W): 298.2
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

REPORT NUMBER: P1436793
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 33-Deg Vertical

REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

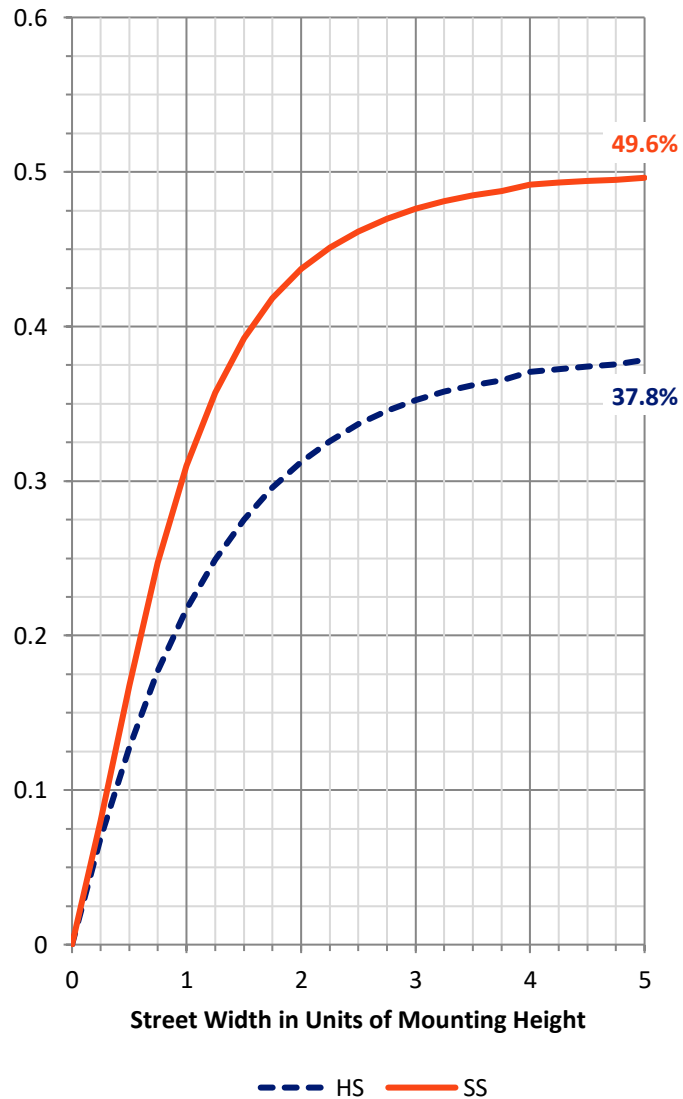
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17781.0	0.0	17781.0
	% Lamp	38.2	0.0	38.2
Street Side	Lumens	23079.0	0.0	23079.0
	% Lamp	49.6	0.0	49.6
Total	Lumens	40860.0	0.0	40860.0
	% Lamp	87.8	0.0	87.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	551.9	1.4	1.2
10°-20°	1826.0	4.5	3.9
20°-30°	3448.1	8.4	7.4
30°-40°	5196.3	12.7	11.2
40°-50°	6716.8	16.4	14.4
50°-60°	8044.7	19.7	17.3
60°-70°	8545.7	20.9	18.4
70°-80°	5855.9	14.3	12.6
80°-90°	674.5	1.7	1.4
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°	40860.0	100.0	87.8
0°-180°	40860.0	100.0	87.8

Coefficient of Utilization



REPORT NUMBER: P1436793

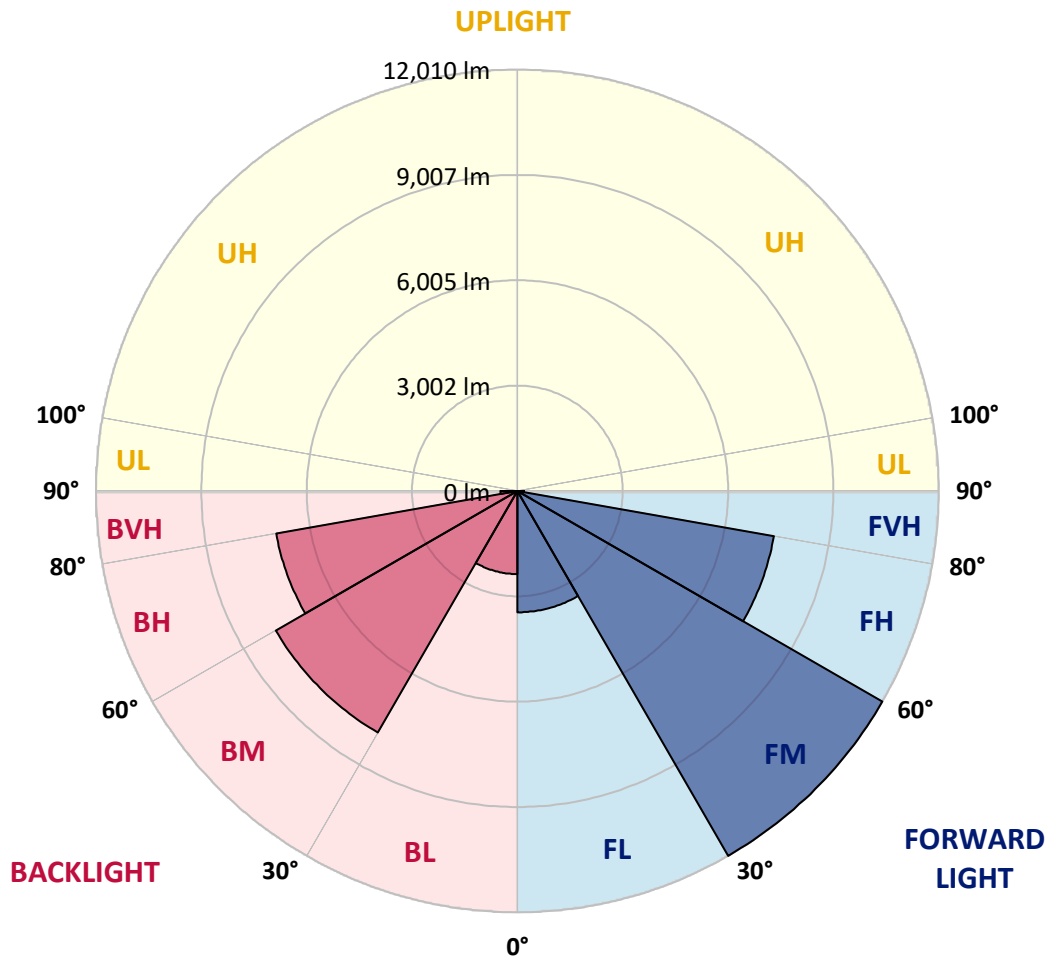
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3458.0	7.4			
FM (30°-60°)	12009.7	25.8			
FH (60°-80°)	7424.3	15.9			G3/7500
FVH (80°-90°)	187.0	0.4			G2/225
BL (0°-30°)	2368.1	5.1	B3/2500		
BM (30°-60°)	7948.1	17.1	B4/8500		
BH (60°-80°)	6977.3	15.0	B5		G5
BVH (80°-90°)	487.5	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	5701.0	12.2			

BUG Rating: B5-U0-G5

Type IV Short



REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1
1°	5692.5	5690.6	5684.7	5676.2	5660.6	5641.0	5601.8	5581.5	5564.0	5549.4	5539.8
2°	5786.9	5780.8	5765.3	5740.5	5704.6	5664.7	5604.4	5564.7	5528.7	5500.5	5481.5
3°	5893.8	5883.1	5855.7	5810.5	5754.9	5692.7	5611.8	5552.1	5499.7	5459.7	5432.3
4°	6013.5	5997.3	5956.1	5892.2	5812.2	5726.8	5622.6	5543.5	5476.8	5425.2	5390.2
5°	6145.5	6123.2	6065.0	5981.0	5878.5	5767.1	5639.4	5541.1	5458.5	5397.4	5355.1
6°	6291.7	6263.8	6192.1	6080.1	5949.8	5809.8	5658.9	5541.7	5444.0	5373.3	5322.3
7°	6449.7	6416.7	6325.4	6189.0	6026.0	5856.1	5679.7	5544.1	5434.3	5352.0	5293.4
8°	6617.9	6579.3	6470.5	6306.8	6108.2	5907.0	5704.7	5550.6	5428.0	5334.0	5270.0
9°	6804.2	6760.8	6630.0	6433.1	6198.5	5962.9	5733.4	5559.0	5422.3	5319.9	5250.8
10°	7005.4	6948.4	6796.6	6569.1	6295.8	6022.6	5766.4	5569.6	5418.0	5311.6	5237.2
11°	7223.3	7158.7	6980.2	6713.0	6398.4	6087.4	5800.8	5583.5	5416.6	5305.1	5228.6
12°	7457.5	7378.6	7172.5	6868.2	6508.2	6157.5	5839.2	5602.1	5420.0	5302.6	5224.6
13°	7710.2	7617.7	7381.3	7031.2	6623.6	6231.4	5884.6	5623.4	5427.4	5302.8	5225.5
14°	7976.8	7873.5	7597.8	7205.5	6749.6	6312.3	5935.2	5648.4	5437.2	5307.0	5230.8
15°	8254.2	8136.8	7823.4	7388.4	6879.6	6396.1	5987.4	5676.4	5449.8	5314.6	5238.9
16°	8539.7	8403.4	8057.1	7576.4	7018.4	6486.1	6043.9	5710.3	5466.1	5324.5	5250.2
17°	8821.2	8673.6	8295.7	7765.8	7161.3	6582.0	6105.6	5745.8	5487.2	5339.0	5265.4
18°	9099.4	8941.4	8533.2	7963.4	7307.9	6683.0	6171.1	5785.4	5510.4	5357.4	5283.3
19°	9370.6	9204.7	8771.6	8157.1	7456.2	6785.8	6236.5	5827.4	5537.7	5376.8	5302.9
20°	9634.7	9455.7	9000.2	8350.2	7608.0	6889.6	6304.9	5872.8	5567.0	5401.3	5326.0
21°	9882.2	9700.5	9226.7	8543.6	7762.4	6999.4	6376.3	5920.3	5599.3	5427.0	5348.1
22°	10116.5	9932.2	9439.0	8732.2	7915.2	7113.1	6448.4	5968.0	5634.5	5455.6	5373.6
23°	10333.3	10156.9	9648.8	8919.5	8072.3	7228.0	6520.3	6015.6	5671.0	5486.1	5400.2
24°	10543.0	10367.5	9849.7	9098.5	8221.6	7341.8	6590.1	6063.8	5709.0	5516.7	5428.6
25°	10743.1	10572.8	10048.0	9275.8	8372.0	7452.7	6660.9	6110.9	5748.0	5549.5	5457.6
26°	10912.4	10755.4	10239.4	9449.6	8517.8	7566.9	6734.2	6159.6	5788.8	5582.8	5487.0
27°	11067.8	10921.2	10425.4	9616.3	8663.1	7683.7	6807.7	6207.3	5829.7	5616.3	5518.0
28°	11207.3	11067.8	10596.5	9783.0	8807.2	7800.1	6884.4	6255.7	5871.3	5651.9	5549.1
29°	11356.5	11212.6	10758.9	9946.3	8945.8	7919.9	6965.3	6307.8	5915.1	5686.3	5584.0
30°	11533.8	11381.9	10917.7	10110.4	9084.5	8044.1	7050.0	6363.1	5959.5	5723.5	5619.2
31°	11682.1	11540.8	11092.3	10278.0	9229.3	8166.2	7136.5	6418.9	6005.3	5761.9	5657.0
32°	11792.6	11665.4	11253.8	10445.6	9378.5	8286.0	7227.2	6475.1	6051.9	5802.4	5695.4
33°	11835.6	11738.2	11388.1	10607.9	9539.9	8405.5	7315.9	6531.6	6098.5	5843.4	5733.4
34°	11811.1	11733.8	11478.5	10754.5	9697.0	8539.3	7408.6	6589.5	6141.4	5883.0	5771.2
35°	11726.8	11667.1	11495.1	10869.4	9833.9	8681.3	7504.7	6649.3	6185.4	5925.4	5813.1
36°	11615.4	11569.7	11453.9	10944.9	9956.8	8819.5	7604.6	6711.2	6230.1	5969.4	5858.0
37°	11521.5	11457.4	11383.7	10961.6	10048.9	8938.8	7703.3	6770.8	6278.6	6015.1	5909.3
38°	11477.6	11384.6	11310.9	10941.4	10120.0	9041.5	7806.5	6826.7	6327.5	6066.3	5962.7
39°	11461.8	11347.7	11258.2	10914.2	10153.4	9127.5	7912.0	6886.8	6377.7	6121.8	6018.5
40°	11456.5	11329.3	11232.8	10900.2	10163.9	9191.6	8007.5	6951.6	6430.4	6183.5	6076.7
41°	11452.1	11317.0	11224.9	10900.2	10179.7	9237.2	8088.7	7022.4	6485.8	6242.6	6134.1
42°	11439.0	11307.3	11224.0	10916.8	10210.4	9278.4	8155.2	7088.7	6545.8	6307.7	6193.6
43°	11413.5	11293.3	11223.1	10945.8	10248.1	9327.6	8209.4	7149.1	6609.9	6373.6	6250.1
44°	11373.2	11275.8	11219.6	10979.1	10293.8	9390.8	8262.9	7207.7	6677.9	6444.5	6306.2

REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	11319.6	11245.9	11211.7	11009.9	10345.5	9461.0	8321.0	7269.3	6745.6	6514.8	6360.5
46°	11253.8	11207.3	11198.5	11035.3	10403.5	9531.2	8384.0	7334.7	6816.7	6584.7	6413.8
47°	11182.7	11166.1	11182.7	11053.7	10462.3	9604.0	8444.5	7407.0	6886.9	6652.7	6469.4
48°	11107.3	11119.5	11161.7	11066.9	10519.3	9677.7	8506.7	7483.6	6957.7	6720.7	6523.9
49°	11029.2	11071.3	11131.8	11075.7	10576.3	9748.8	8565.4	7560.4	7031.8	6787.3	6583.7
50°	10944.9	11021.3	11095.9	11079.2	10629.0	9819.9	8620.5	7640.8	7105.7	6853.3	6644.0
51°	10849.3	10963.3	11052.9	11078.3	10677.3	9885.7	8670.6	7720.9	7178.6	6920.5	6710.0
52°	10742.2	10892.3	11003.7	11072.2	10726.4	9951.5	8716.2	7800.7	7251.4	6989.6	6779.8
53°	10623.7	10812.4	10951.1	11065.1	10767.6	10009.4	8756.9	7877.2	7327.9	7061.5	6853.8
54°	10490.3	10709.7	10894.0	11050.2	10802.7	10063.0	8798.4	7949.1	7407.7	7137.4	6932.1
55°	10342.0	10589.5	10830.8	11030.0	10833.5	10110.4	8836.1	8016.9	7487.8	7216.3	7012.7
56°	10173.5	10450.8	10752.7	10999.3	10858.0	10151.6	8872.1	8081.9	7569.3	7300.5	7092.3
57°	9983.1	10291.1	10658.8	10959.0	10873.8	10186.7	8903.7	8144.6	7653.6	7391.3	7171.6
58°	9771.6	10106.8	10543.9	10910.7	10880.0	10213.9	8927.4	8201.5	7741.6	7487.3	7247.8
59°	9546.1	9897.1	10416.6	10856.3	10874.7	10229.7	8945.0	8253.2	7825.5	7585.1	7318.4
60°	9275.8	9662.8	10269.2	10791.3	10856.3	10233.2	8953.7	8299.7	7909.9	7687.8	7385.5
61°	8940.6	9389.9	10105.1	10710.6	10822.1	10216.5	8950.2	8335.8	7997.3	7794.2	7460.7
62°	8541.6	9062.5	9920.8	10614.1	10781.7	10179.7	8934.4	8363.4	8086.4	7903.3	7536.6
63°	8093.9	8684.6	9710.2	10498.2	10724.6	10134.9	8914.2	8385.1	8174.7	8013.2	7612.1
64°	7650.7	8284.8	9475.0	10364.8	10646.5	10070.0	8881.8	8392.2	8259.1	8126.5	7683.5
65°	7266.0	7910.7	9220.5	10208.6	10555.3	9986.6	8830.9	8390.1	8340.4	8236.1	7752.6
66°	6960.6	7567.9	8946.7	10031.4	10443.8	9891.0	8752.8	8380.1	8409.2	8345.1	7823.4
67°	6765.2	7280.7	8678.8	9823.4	10296.4	9754.9	8637.6	8338.5	8472.1	8443.8	7887.1
68°	6665.1	7070.1	8422.5	9587.3	10121.8	9570.7	8453.6	8260.9	8525.2	8539.7	7945.0
69°	6578.1	6922.4	8185.6	9325.8	9902.4	9331.1	8163.2	8115.6	8560.5	8622.9	7976.0
70°	6332.1	6792.6	7965.4	9043.2	9635.6	8994.1	7714.2	7863.7	8557.7	8696.3	7993.9
71°	5843.6	6563.9	7772.6	8754.4	9322.3	8537.7	7069.1	7489.0	8499.9	8747.0	7994.8
72°	5192.2	6168.6	7583.9	8459.8	8958.1	7973.1	6363.7	6999.2	8372.3	8769.4	7942.3
73°	4540.0	5614.0	7368.3	8173.9	8535.5	7314.0	5708.3	6446.7	8150.4	8732.9	7843.0
74°	3936.4	4996.9	7102.2	7877.1	8045.1	6628.6	5110.9	5921.4	7859.9	8622.6	7677.0
75°	3059.0	4318.4	6757.1	7518.3	7503.7	5907.8	4412.9	5417.2	7507.8	8416.4	7370.3
76°	1870.9	3477.8	6272.0	7112.6	6909.9	5126.3	3374.4	4775.7	7148.2	8086.5	6952.3
77°	828.0	2297.3	5648.8	6541.1	6242.0	4110.4	2190.6	3790.6	6746.3	7546.0	6486.5
78°	622.3	1111.9	4854.2	5773.7	5435.6	2823.8	1014.4	2694.1	6241.7	6749.5	5900.3
79°	430.9	811.6	3835.3	4810.9	4474.5	1558.2	411.9	1597.5	5421.8	5690.8	5105.2
80°	239.6	528.9	2475.5	3639.0	3333.9	712.7	274.2	513.5	4145.1	4531.0	4289.0
81°	208.9	246.2	1253.8	2387.4	2033.0	490.2	236.9	310.6	2935.8	3497.2	3608.3
82°	183.9	210.9	916.3	1167.2	941.6	281.3	208.5	253.7	1726.6	2637.7	3176.3
83°	159.5	182.1	590.6	865.1	679.7	231.4	180.0	215.2	540.8	2105.4	2960.0
84°	135.0	153.9	265.0	572.5	442.6	193.6	151.5	176.8	355.9	1573.3	2242.6
85°	109.8	125.7	196.6	279.9	205.5	157.4	125.0	138.4	286.6	1043.1	1525.3
86°	82.3	99.4	144.0	228.4	157.1	121.1	98.4	108.4	230.2	642.0	822.9
87°	59.7	74.7	107.6	174.9	118.9	88.5	70.9	81.4	173.8	446.6	574.5
88°	37.1	50.1	74.3	114.6	85.1	61.8	45.3	57.5	118.0	251.2	326.1
89°	14.5	25.6	41.1	61.0	47.6	35.1	31.7	40.0	80.5	56.1	82.8



REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1
1°	5535.6	5535.8	5543.1	5554.2	5571.4	5589.9	5609.7	5610.4	5630.0	5648.5	5666.2
2°	5471.9	5471.4	5481.3	5500.9	5528.3	5563.1	5600.8	5621.6	5661.7	5699.8	5734.1
3°	5418.0	5414.9	5428.0	5453.2	5490.2	5539.3	5594.7	5635.6	5697.6	5757.2	5811.1
4°	5371.4	5368.5	5382.7	5412.5	5459.1	5520.2	5592.1	5652.5	5736.4	5820.1	5897.7
5°	5331.0	5326.1	5343.7	5378.6	5432.5	5504.5	5591.9	5671.9	5777.9	5886.3	5990.7
6°	5292.6	5287.8	5307.2	5347.4	5409.3	5492.1	5596.2	5695.6	5824.0	5960.1	6091.3
7°	5259.9	5253.6	5274.7	5320.5	5387.9	5481.9	5601.0	5721.1	5874.6	6039.4	6199.3
8°	5232.1	5224.5	5248.0	5298.5	5370.8	5473.7	5608.0	5748.5	5928.6	6124.8	6315.0
9°	5210.6	5201.4	5226.8	5278.5	5358.8	5468.1	5618.0	5779.2	5987.5	6215.7	6440.1
10°	5193.2	5184.5	5209.5	5264.0	5348.8	5465.9	5633.3	5816.4	6050.8	6314.0	6575.9
11°	5183.0	5173.8	5198.7	5255.5	5342.4	5469.6	5652.4	5858.8	6121.9	6420.4	6721.1
12°	5179.8	5169.2	5193.5	5251.0	5341.9	5476.6	5675.8	5905.7	6198.9	6534.0	6876.0
13°	5181.0	5169.0	5194.5	5251.7	5345.4	5488.7	5703.2	5955.2	6281.0	6655.3	7046.4
14°	5184.6	5173.5	5198.8	5257.9	5351.6	5503.1	5733.4	6006.5	6365.6	6785.7	7222.7
15°	5193.4	5180.9	5205.9	5266.6	5362.7	5521.5	5766.3	6064.6	6456.1	6921.1	7409.9
16°	5205.1	5192.3	5217.3	5278.6	5379.6	5543.5	5802.7	6126.9	6550.6	7066.0	7604.0
17°	5218.6	5206.5	5232.7	5294.4	5398.7	5569.3	5842.2	6191.4	6651.5	7214.0	7801.7
18°	5235.9	5222.4	5251.0	5314.9	5419.5	5597.2	5885.8	6260.6	6753.9	7368.2	8007.1
19°	5255.2	5238.7	5271.3	5338.2	5443.9	5627.8	5930.8	6329.9	6860.2	7524.3	8205.6
20°	5274.2	5256.0	5292.6	5363.9	5470.9	5662.3	5980.4	6401.8	6970.9	7682.3	8407.7
21°	5292.4	5273.4	5316.1	5392.2	5501.5	5699.6	6031.3	6475.9	7086.4	7844.0	8603.2
22°	5312.2	5291.5	5339.9	5420.9	5533.2	5739.2	6083.8	6548.9	7200.5	8002.7	8794.9
23°	5334.0	5313.3	5364.5	5452.1	5566.4	5780.5	6136.4	6622.2	7318.7	8163.7	8981.8
24°	5359.4	5338.8	5391.4	5484.7	5599.1	5824.1	6190.7	6694.9	7435.4	8321.0	9161.7
25°	5386.9	5367.1	5421.8	5519.8	5632.5	5869.1	6243.2	6770.4	7553.9	8476.3	9336.3
26°	5417.3	5400.3	5455.5	5554.5	5666.8	5913.1	6297.3	6844.2	7673.7	8624.6	9507.5
27°	5451.8	5437.8	5492.0	5588.1	5702.0	5958.0	6351.2	6922.3	7793.4	8774.1	9682.1
28°	5489.1	5478.9	5532.6	5622.1	5739.8	6003.9	6407.1	7005.0	7916.4	8919.5	9860.3
29°	5529.9	5523.4	5574.7	5658.3	5778.3	6048.6	6465.6	7090.9	8043.5	9067.8	10031.4
30°	5572.1	5572.3	5617.0	5694.1	5818.4	6094.1	6526.2	7181.2	8172.2	9222.3	10200.7
31°	5613.8	5620.9	5658.9	5731.1	5859.7	6138.8	6587.5	7276.1	8307.2	9383.7	10382.4
32°	5656.7	5674.7	5701.9	5768.2	5900.8	6184.2	6646.7	7370.2	8444.7	9541.7	10540.4
33°	5700.8	5729.0	5745.4	5806.5	5942.4	6228.0	6706.7	7471.2	8587.4	9694.4	10692.2
34°	5745.6	5781.5	5788.5	5844.8	5982.8	6269.2	6768.2	7572.4	8721.5	9836.6	10815.0
35°	5790.8	5837.3	5833.1	5886.3	6024.2	6311.8	6830.9	7673.5	8847.5	9962.0	10901.0
36°	5837.0	5895.4	5878.6	5931.3	6066.1	6356.8	6892.0	7769.8	8967.8	10060.3	10937.9
37°	5884.5	5951.6	5922.6	5982.7	6113.0	6402.7	6948.6	7871.0	9070.4	10119.1	10941.4
38°	5928.3	6006.7	5964.7	6037.0	6167.1	6450.9	7005.6	7965.3	9148.6	10147.2	10920.3
39°	5971.1	6065.4	6006.5	6095.1	6225.2	6502.0	7057.6	8049.7	9204.7	10164.8	10898.4
40°	6016.5	6124.1	6050.5	6153.4	6286.0	6553.1	7113.5	8124.0	9244.2	10183.2	10893.1
41°	6062.7	6177.9	6098.2	6212.0	6350.8	6608.2	7167.3	8191.7	9281.1	10210.4	10909.8
42°	6110.0	6232.4	6148.4	6269.4	6419.5	6665.7	7226.4	8254.8	9331.1	10246.4	10944.0
43°	6158.5	6284.3	6200.0	6325.4	6489.1	6725.8	7293.7	8318.9	9398.7	10290.3	10983.5
44°	6207.9	6335.6	6253.9	6382.0	6556.7	6794.1	7364.9	8381.2	9473.2	10345.5	11020.4



REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6259.7	6386.3	6307.9	6438.1	6624.4	6865.3	7436.1	8441.2	9544.3	10408.7	11052.0
46°	6313.8	6435.0	6365.8	6495.0	6690.6	6940.7	7505.0	8501.5	9613.7	10477.2	11078.3
47°	6373.0	6486.3	6426.2	6551.1	6756.9	7020.4	7579.5	8563.8	9683.0	10544.7	11096.7
48°	6438.0	6530.2	6490.7	6607.3	6821.3	7103.1	7662.3	8618.5	9757.6	10606.2	11109.0
49°	6506.6	6574.6	6557.9	6667.1	6886.8	7183.3	7745.0	8668.4	9832.2	10662.3	11118.7
50°	6574.1	6618.6	6628.8	6730.9	6953.6	7261.4	7827.6	8713.2	9900.6	10711.5	11123.1
51°	6643.8	6666.3	6698.7	6798.1	7021.1	7335.5	7908.8	8755.0	9965.6	10756.2	11123.1
52°	6715.0	6711.0	6771.7	6870.1	7092.6	7409.3	7986.9	8798.4	10023.5	10796.6	11119.5
53°	6786.5	6752.8	6843.4	6945.9	7165.8	7485.8	8058.4	8837.0	10075.3	10832.6	11113.4
54°	6857.4	6793.1	6912.3	7023.6	7243.5	7564.0	8123.5	8873.9	10119.1	10862.4	11100.2
55°	6921.5	6834.8	6973.8	7105.6	7327.1	7645.9	8183.0	8903.7	10155.1	10882.6	11080.9
56°	6976.9	6875.5	7028.3	7187.2	7415.5	7729.8	8237.4	8930.9	10181.4	10899.3	11050.2
57°	7023.3	6915.6	7079.2	7270.4	7509.5	7811.8	8286.9	8955.5	10193.7	10905.4	11009.9
58°	7068.4	6954.4	7124.9	7344.6	7609.8	7893.7	8331.9	8971.3	10200.7	10896.6	10950.2
59°	7110.9	6992.7	7167.3	7413.1	7712.6	7975.3	8369.7	8975.7	10196.4	10877.3	10885.2
60°	7150.7	7025.8	7204.0	7483.4	7818.5	8054.1	8398.0	8970.4	10174.4	10850.1	10807.1
61°	7183.5	7056.5	7234.8	7560.8	7926.2	8132.5	8416.2	8964.3	10138.4	10812.4	10725.5
62°	7209.9	7088.4	7263.3	7638.5	8036.3	8214.5	8424.8	8951.1	10091.0	10755.4	10629.0
63°	7240.7	7118.1	7294.2	7706.3	8142.8	8294.9	8428.0	8919.5	10027.9	10680.8	10511.4
64°	7268.6	7148.7	7327.0	7768.9	8253.9	8370.5	8420.0	8871.2	9947.1	10586.9	10364.0
65°	7294.4	7154.3	7349.5	7832.9	8361.8	8442.6	8398.3	8788.8	9835.7	10470.2	10187.6
66°	7308.7	7116.9	7348.0	7899.8	8461.4	8506.9	8349.4	8658.5	9685.6	10325.4	9982.2
67°	7301.4	7074.7	7329.7	7955.1	8557.1	8546.2	8260.5	8483.3	9486.4	10158.6	9758.5
68°	7280.1	7000.5	7302.8	8000.1	8638.7	8551.2	8121.1	8198.2	9231.0	9950.6	9513.6
69°	7215.6	6807.4	7226.3	8023.6	8706.5	8524.0	7902.5	7750.9	8905.5	9697.9	9252.1
70°	7073.0	6480.5	7059.0	8025.5	8755.8	8458.8	7549.1	7119.8	8459.0	9396.9	8963.4
71°	6819.1	5983.9	6774.1	7995.7	8780.0	8333.5	7050.8	6388.7	7870.0	9031.0	8659.2
72°	6407.3	5374.2	6329.6	7923.3	8758.2	8151.0	6504.0	5736.3	7207.7	8625.3	8352.7
73°	5836.6	4748.4	5781.4	7807.5	8647.9	7876.1	5994.5	5148.9	6497.7	8127.5	8032.5
74°	5215.0	4121.6	5157.4	7586.1	8436.2	7549.1	5507.1	4479.5	5800.8	7550.1	7687.1
75°	4568.9	3337.2	4487.9	7233.0	8133.2	7206.7	4834.8	3445.9	5015.7	6905.5	7273.5
76°	3877.6	2512.4	3788.5	6813.9	7672.5	6837.7	3837.0	2149.4	4023.6	6227.0	6783.8
77°	3097.6	1966.9	3056.6	6325.0	6973.1	6342.7	2715.5	1005.1	2778.1	5447.6	6102.1
78°	2585.9	2062.6	2623.3	5695.9	6020.4	5558.9	1594.1	734.1	1509.4	4506.4	5151.1
79°	2674.5	2601.3	2821.0	4878.3	4967.3	4365.7	475.3	490.7	671.1	3418.5	4032.4
80°	3214.2	2969.1	3343.2	4034.2	3933.5	3084.3	309.9	247.2	476.8	2154.9	2792.4
81°	3401.2	2302.7	3334.4	3291.3	3055.7	1802.9	254.9	212.3	284.3	1026.7	1545.0
82°	2572.3	1636.2	2502.4	2985.2	2432.1	546.5	218.7	185.0	235.4	749.7	1114.7
83°	1743.4	972.3	1670.4	2352.7	1808.3	366.9	182.5	158.4	199.2	486.3	706.9
84°	918.3	518.8	842.8	1720.4	1187.2	300.9	146.5	131.5	165.3	223.0	299.1
85°	485.3	312.9	469.4	1088.1	691.2	244.9	116.7	103.4	128.9	166.7	251.8
86°	388.7	109.6	376.0	605.3	486.7	188.9	89.9	77.7	96.6	127.3	202.8
87°	292.1	73.9	282.7	484.6	282.2	133.1	65.1	52.0	69.3	93.2	144.1
88°	195.5	38.2	189.3	363.9	79.4	101.0	44.9	26.3	42.1	59.4	78.7
89°	98.9	3.4	96.0	243.1	42.0	68.9	24.7	8.8	14.9	45.1	59.3



REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5611.1	5611.1	5611.1
1°	5678.1	5688.5	5692.5
2°	5762.3	5781.3	5786.9
3°	5856.7	5885.0	5893.8
4°	5960.6	6000.6	6013.5
5°	6073.6	6128.1	6145.5
6°	6198.2	6268.5	6291.7
7°	6332.8	6420.7	6449.7
8°	6476.4	6583.1	6617.9
9°	6632.7	6761.1	6804.2
10°	6801.4	6956.2	7005.4
11°	6983.2	7164.6	7223.3
12°	7176.9	7386.0	7457.5
13°	7387.7	7626.2	7710.2
14°	7604.0	7878.2	7976.8
15°	7830.9	8140.8	8254.2
16°	8070.9	8414.5	8539.7
17°	8319.1	8687.0	8821.2
18°	8564.7	8963.4	9099.4
19°	8802.8	9224.9	9370.6
20°	9035.3	9476.8	9634.7
21°	9260.9	9714.6	9882.2
22°	9475.9	9942.7	10116.5
23°	9681.2	10168.3	10333.3
24°	9882.2	10385.0	10543.0
25°	10082.3	10593.9	10743.1
26°	10280.6	10784.3	10912.4
27°	10472.8	10951.9	11067.8
28°	10644.8	11097.6	11207.3
29°	10808.0	11248.5	11356.5
30°	10973.0	11414.4	11533.8
31°	11137.1	11568.0	11682.1
32°	11291.5	11680.3	11792.6
33°	11403.0	11735.6	11835.6
34°	11461.8	11725.1	11811.1
35°	11462.7	11655.7	11726.8
36°	11424.1	11549.6	11615.4
37°	11352.1	11446.0	11521.5
38°	11287.2	11377.5	11477.6
39°	11254.7	11347.7	11461.8
40°	11243.3	11332.8	11456.5
41°	11240.7	11325.8	11452.1
42°	11240.7	11317.9	11439.0
43°	11241.5	11308.2	11413.5
44°	11241.5	11291.5	11373.2



REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	11238.9	11262.6	11319.6
46°	11233.6	11224.0	11253.8
47°	11222.2	11181.0	11182.7
48°	11205.5	11134.5	11107.3
49°	11176.6	11086.2	11029.2
50°	11141.5	11039.7	10944.9
51°	11096.7	10985.3	10849.3
52°	11045.0	10917.7	10742.2
53°	10990.5	10837.0	10623.7
54°	10934.4	10733.4	10490.3
55°	10870.3	10612.3	10342.0
56°	10793.1	10472.8	10173.5
57°	10697.4	10310.4	9983.1
58°	10579.8	10123.5	9771.6
59°	10450.0	9911.1	9546.1
60°	10300.8	9679.5	9275.8
61°	10127.0	9415.3	8940.6
62°	9937.5	9098.5	8541.6
63°	9737.4	8728.8	8093.9
64°	9515.4	8325.4	7650.7
65°	9267.0	7949.3	7266.0
66°	8999.4	7625.4	6960.6
67°	8734.3	7350.0	6765.2
68°	8471.1	7141.7	6665.1
69°	8242.4	6979.5	6578.1
70°	8041.9	6836.4	6332.1
71°	7834.4	6606.3	5843.6
72°	7597.6	6199.3	5192.2
73°	7373.1	5635.7	4540.0
74°	7087.2	4988.2	3936.4
75°	6662.3	4285.8	3059.0
76°	6100.1	3430.3	1870.9
77°	5450.3	2296.0	828.0
78°	4619.8	1153.6	622.3
79°	3470.0	833.2	430.9
80°	2015.3	543.4	239.6
81°	963.7	253.7	208.9
82°	718.8	210.6	183.9
83°	480.1	183.7	159.5
84°	241.4	154.0	135.0
85°	176.2	123.6	109.8
86°	132.4	96.1	82.3
87°	97.1	71.1	59.7
88°	77.9	46.1	37.1
89°	59.3	21.1	14.5



REPORT NUMBER: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1436793
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T5)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)