

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: P1445082

Luminaire Tested: XAS300-SFPM (4000K-300W-T4)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445082
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (4000K-300W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 45862.5 lumens
Efficiency: 98.5%
Efficacy: 163.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G5

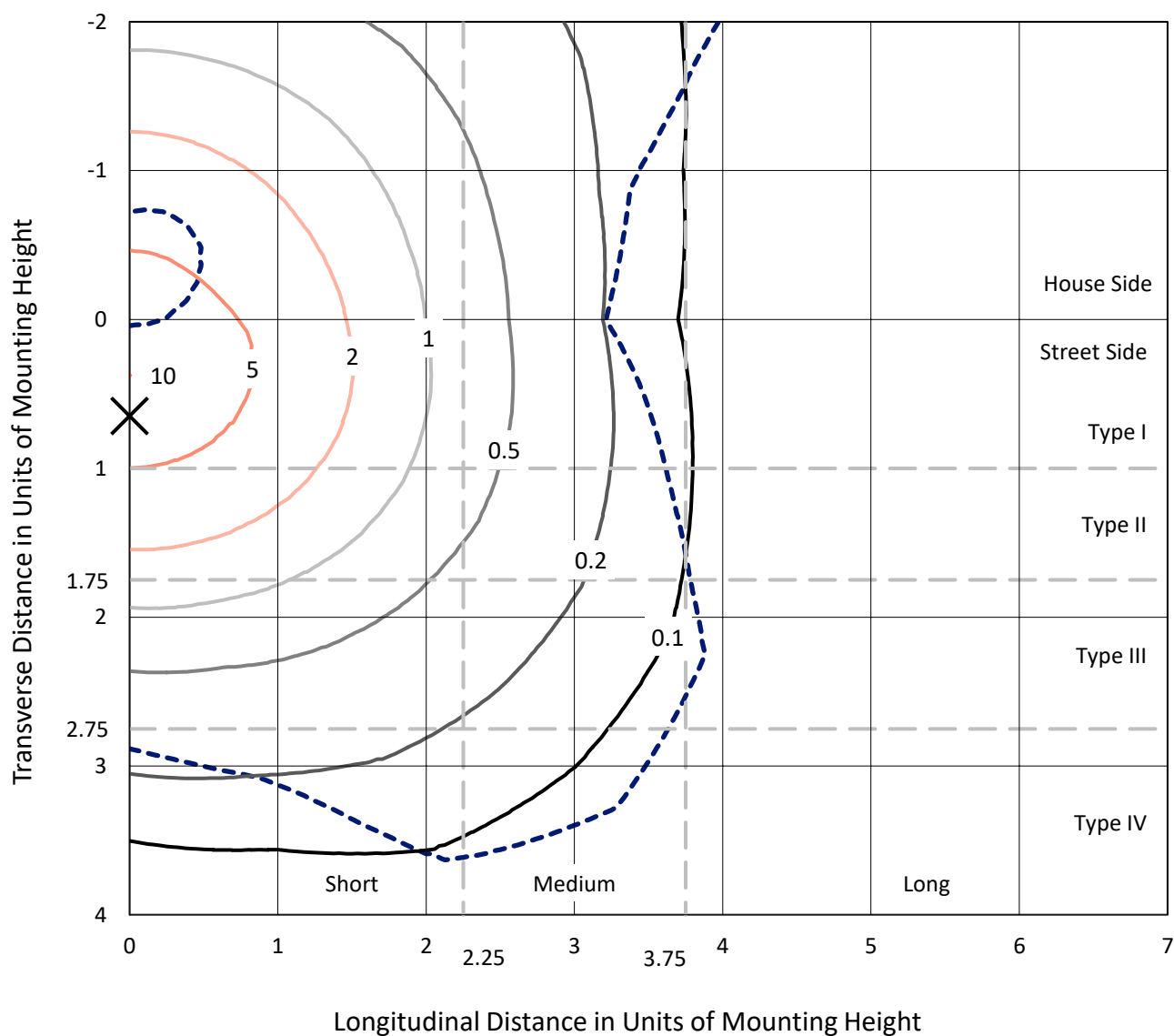
Input Watts (W): 280.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

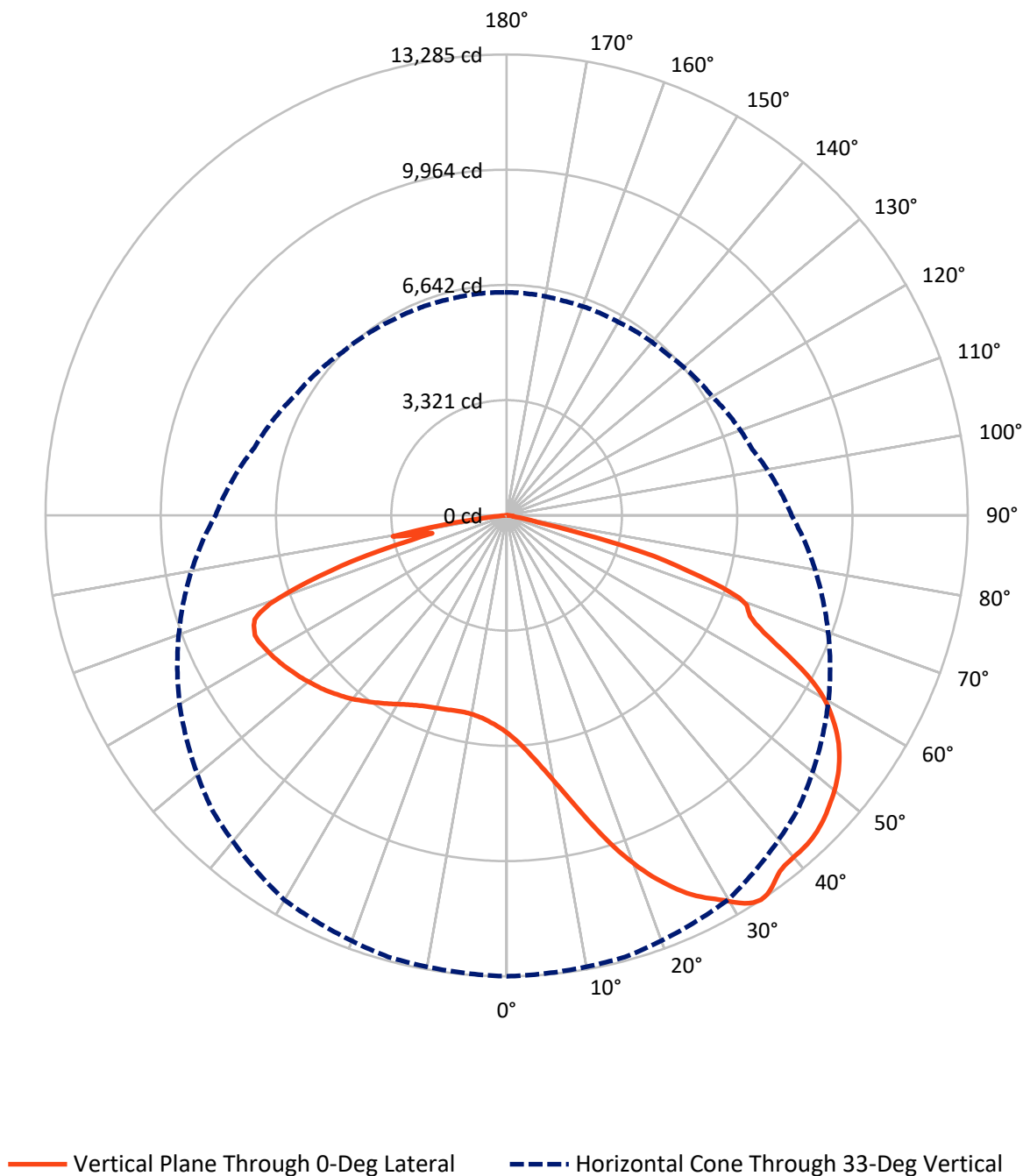


Based on 30 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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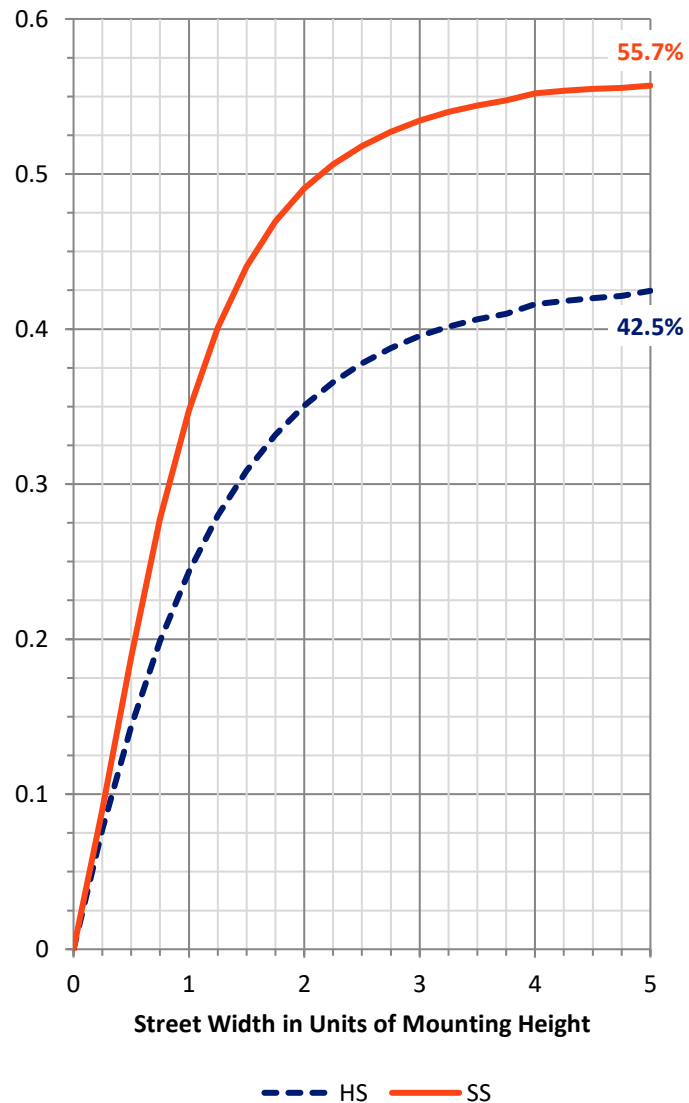
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19957.9	0.0	19957.9
	% Lamp	42.9	0.0	42.9
Street Side	Lumens	25904.6	0.0	25904.6
	% Lamp	55.6	0.0	55.6
Total	Lumens	45862.5	0.0	45862.5
	% Lamp	98.5	0.0	98.5

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	619.5	1.4	1.3
10°-20°	2049.6	4.5	4.4
20°-30°	3870.2	8.4	8.3
30°-40°	5832.5	12.7	12.5
40°-50°	7539.2	16.4	16.2
50°-60°	9029.7	19.7	19.4
60°-70°	9592.0	20.9	20.6
70°-80°	6572.8	14.3	14.1
80°-90°	757.1	1.7	1.6
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	45862.5	100.0	98.5
0°-180°	45862.5	100.0	98.5

Coefficient of Utilization



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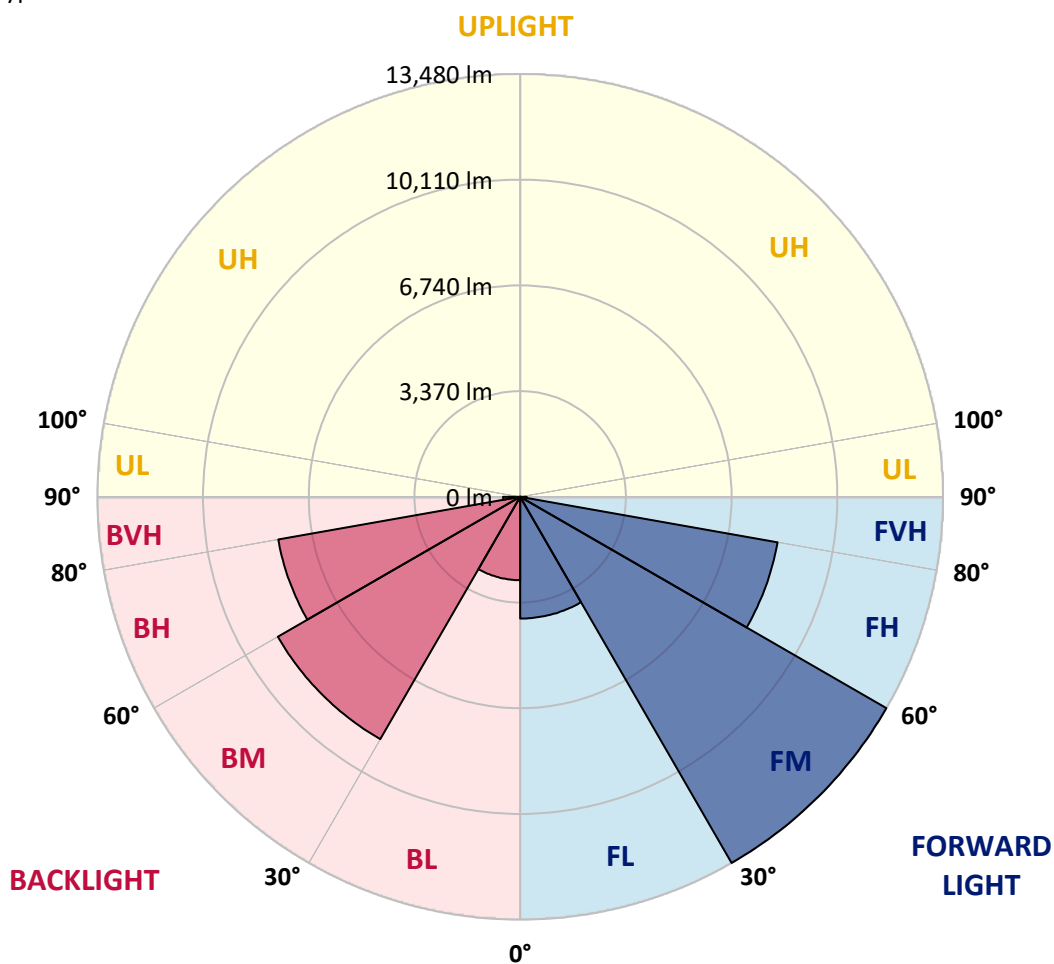
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3881.4	8.3			
FM	(30°-60°)	13480.1	29.0			
FH	(60°-80°)	8333.2	17.9			G4/12000
FVH	(80°-90°)	209.9	0.5			G2/225
BL	(0°-30°)	2658.0	5.7	B4/5000		
BM	(30°-60°)	8921.3	19.2	B5		
BH	(60°-80°)	7831.5	16.8	B5		G5
BVH	(80°-90°)	547.2	1.2			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		698.5	1.5			

BUG Rating: B5-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1
1°	6389.5	6387.3	6380.7	6371.2	6353.6	6331.7	6287.6	6264.9	6245.2	6228.8	6218.0
2°	6495.4	6488.6	6471.2	6443.3	6403.0	6358.3	6290.6	6246.0	6205.6	6174.0	6152.6
3°	6615.4	6603.3	6572.6	6521.9	6459.4	6389.7	6298.9	6231.8	6173.0	6128.2	6097.3
4°	6749.7	6731.6	6685.3	6613.6	6523.9	6427.9	6311.0	6222.1	6147.3	6089.4	6050.2
5°	6897.9	6872.8	6807.5	6713.3	6598.2	6473.1	6329.8	6219.5	6126.8	6058.2	6010.8
6°	7062.1	7030.7	6950.2	6824.5	6678.3	6521.1	6351.8	6220.2	6110.5	6031.2	5973.9
7°	7239.4	7202.3	7099.8	6946.7	6763.8	6573.1	6375.1	6222.8	6099.6	6007.2	5941.5
8°	7428.2	7384.8	7262.7	7078.9	6856.1	6630.2	6403.2	6230.2	6092.5	5987.0	5915.2
9°	7637.2	7588.5	7441.7	7220.7	6957.4	6693.0	6435.4	6239.6	6086.2	5971.3	5893.6
10°	7863.1	7799.1	7628.7	7373.4	7066.6	6760.0	6472.3	6251.5	6081.3	5961.9	5878.4
11°	8107.6	8035.1	7834.8	7534.9	7181.7	6832.6	6511.0	6267.1	6079.8	5954.6	5868.7
12°	8370.5	8282.0	8050.6	7709.1	7305.1	6911.4	6554.1	6287.9	6083.6	5951.8	5864.3
13°	8654.2	8550.4	8285.0	7892.0	7434.6	6994.3	6605.0	6311.9	6091.9	5952.1	5865.3
14°	8953.5	8837.4	8528.0	8087.6	7575.9	7085.1	6661.9	6340.0	6102.9	5956.8	5871.2
15°	9264.8	9133.0	8781.3	8293.0	7721.9	7179.2	6720.5	6371.4	6117.0	5965.3	5880.4
16°	9585.2	9432.3	9043.6	8504.0	7877.6	7280.2	6783.9	6409.4	6135.3	5976.4	5893.0
17°	9901.2	9735.5	9311.3	8716.6	8038.1	7387.9	6853.1	6449.3	6159.0	5992.6	5910.0
18°	10213.5	10036.2	9577.9	8938.4	8202.6	7501.2	6926.6	6493.7	6185.0	6013.3	5930.2
19°	10517.8	10331.7	9845.6	9155.8	8369.1	7616.6	7000.1	6540.9	6215.6	6035.1	5952.2
20°	10814.3	10613.4	10102.2	9372.6	8539.5	7733.1	7076.8	6591.8	6248.5	6062.6	5978.1
21°	11092.1	10888.2	10356.3	9589.6	8712.7	7856.4	7156.9	6645.1	6284.8	6091.4	6002.9
22°	11355.1	11148.2	10594.7	9801.3	8884.3	7984.0	7237.9	6698.7	6324.4	6123.5	6031.5
23°	11598.4	11400.4	10830.1	10011.5	9060.6	8113.0	7318.6	6752.1	6365.4	6157.8	6061.4
24°	11833.8	11636.8	11055.6	10212.5	9228.2	8240.7	7397.0	6806.2	6408.0	6192.1	6093.2
25°	12058.4	11867.3	11278.2	10411.4	9397.0	8365.1	7476.4	6859.0	6451.8	6228.9	6125.8
26°	12248.5	12072.2	11493.0	10606.5	9560.7	8493.4	7558.7	6913.7	6497.6	6266.3	6158.8
27°	12422.8	12258.3	11701.8	10793.6	9723.7	8624.5	7641.1	6967.3	6543.5	6303.9	6193.6
28°	12579.4	12422.8	11893.9	10980.8	9885.5	8755.1	7727.3	7021.6	6590.1	6343.9	6228.5
29°	12746.9	12585.3	12076.1	11164.0	10041.1	8889.5	7818.0	7080.1	6639.3	6382.5	6267.7
30°	12945.9	12775.4	12254.4	11348.2	10196.7	9029.0	7913.1	7142.1	6689.1	6424.3	6307.2
31°	13112.3	12953.7	12450.4	11536.3	10359.2	9166.0	8010.2	7204.8	6740.6	6467.3	6349.6
32°	13236.4	13093.6	12631.6	11724.5	10526.7	9300.5	8112.1	7267.8	6792.9	6512.8	6392.6
33°	13284.7	13175.4	12782.3	11906.7	10707.9	9434.6	8211.6	7331.3	6845.2	6558.8	6435.3
34°	13257.1	13170.4	12883.8	12071.2	10884.2	9584.8	8315.7	7396.3	6893.3	6603.2	6477.8
35°	13162.6	13095.6	12902.5	12200.2	11037.9	9744.1	8423.5	7463.3	6942.7	6650.8	6524.8
36°	13037.5	12986.2	12856.2	12284.9	11175.8	9899.2	8535.6	7532.9	6992.9	6700.3	6575.2
37°	12932.1	12860.2	12777.4	12303.6	11279.2	10033.2	8646.4	7599.8	7047.3	6751.6	6632.8
38°	12882.8	12778.4	12695.7	12281.0	11359.0	10148.5	8762.3	7662.5	7102.1	6809.0	6692.7
39°	12865.1	12737.0	12636.6	12250.4	11396.4	10245.0	8880.7	7730.0	7158.6	6871.3	6755.3
40°	12859.2	12716.4	12608.0	12234.7	11408.3	10316.9	8987.9	7802.7	7217.7	6940.5	6820.7
41°	12854.2	12702.6	12599.1	12234.7	11426.0	10368.1	9079.0	7882.2	7279.8	7006.9	6885.2
42°	12839.5	12691.7	12598.2	12253.4	11460.5	10414.4	9153.6	7956.6	7347.2	7080.0	6951.9
43°	12810.9	12676.0	12597.2	12285.9	11502.8	10469.6	9214.5	8024.4	7419.1	7154.0	7015.4
44°	12765.6	12656.3	12593.2	12323.3	11554.0	10540.5	9274.6	8090.1	7495.5	7233.5	7078.3

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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	12705.5	12622.8	12584.4	12357.8	11612.2	10619.3	9339.8	8159.3	7571.5	7312.4	7139.3
46°	12631.6	12579.4	12569.6	12386.4	11677.2	10698.1	9410.5	8232.7	7651.3	7390.8	7199.1
47°	12551.9	12533.1	12551.9	12407.1	11743.2	10779.8	9478.4	8313.9	7730.1	7467.2	7261.4
48°	12467.1	12480.9	12528.2	12421.8	11807.2	10862.6	9548.2	8399.9	7809.6	7543.5	7322.6
49°	12379.5	12426.8	12494.7	12431.7	11871.2	10942.4	9614.1	8486.1	7892.7	7618.3	7389.8
50°	12284.9	12370.6	12454.3	12435.6	11930.3	11022.2	9676.0	8576.3	7975.6	7692.4	7457.4
51°	12177.6	12305.6	12406.1	12434.6	11984.5	11096.0	9732.2	8666.2	8057.5	7767.8	7531.5
52°	12057.4	12225.8	12350.9	12427.7	12039.7	11169.9	9783.3	8755.8	8139.3	7845.3	7609.9
53°	11924.4	12136.2	12291.8	12419.9	12086.0	11234.9	9829.0	8841.7	8225.0	7926.0	7692.9
54°	11774.7	12020.9	12227.8	12403.1	12125.4	11295.0	9875.6	8922.3	8314.7	8011.3	7780.8
55°	11608.2	11886.0	12156.9	12380.5	12159.8	11348.2	9918.0	8998.4	8404.5	8099.8	7871.3
56°	11419.1	11730.4	12069.2	12346.0	12187.4	11394.5	9958.4	9071.4	8496.0	8194.3	7960.7
57°	11205.4	11551.1	11963.8	12300.7	12205.1	11433.9	9993.8	9141.8	8590.7	8296.3	8049.6
58°	10968.0	11344.2	11834.8	12246.5	12212.0	11464.4	10020.4	9205.6	8689.5	8404.0	8135.2
59°	10714.8	11108.8	11692.0	12185.4	12206.1	11482.1	10040.1	9263.6	8783.5	8513.7	8214.4
60°	10411.4	10845.8	11526.5	12112.5	12185.4	11486.1	10050.0	9315.8	8878.3	8629.0	8289.8
61°	10035.2	10539.5	11342.3	12021.9	12147.0	11467.4	10046.0	9356.4	8976.4	8748.5	8374.1
62°	9587.4	10172.1	11135.4	11913.6	12101.7	11426.0	10028.3	9387.3	9076.5	8870.9	8459.3
63°	9084.9	9747.9	10899.0	11783.6	12037.7	11375.8	10005.6	9411.7	9175.6	8994.2	8544.1
64°	8587.4	9299.1	10635.0	11633.8	11950.0	11302.9	9969.2	9419.7	9270.3	9121.4	8624.2
65°	8155.6	8879.2	10349.4	11458.5	11847.6	11209.3	9912.1	9417.3	9361.5	9244.4	8701.8
66°	7812.8	8494.4	10042.1	11259.5	11722.5	11101.9	9824.4	9406.1	9438.8	9366.8	8781.3
67°	7593.5	8172.1	9741.4	11026.1	11557.0	10949.3	9695.2	9359.4	9509.4	9477.6	8852.8
68°	7481.1	7935.7	9453.7	10761.1	11361.0	10742.4	9488.6	9272.3	9569.0	9585.2	8917.7
69°	7383.5	7769.9	9187.8	10467.6	11114.7	10473.5	9162.7	9109.2	9608.6	9678.6	8952.5
70°	7107.4	7624.2	8940.6	10150.4	10815.3	10095.3	8658.6	8826.5	9605.4	9761.1	8972.7
71°	6559.0	7367.5	8724.2	9826.3	10463.7	9583.0	7934.6	8405.9	9540.5	9817.9	8973.6
72°	5827.9	6923.9	8512.4	9495.5	10054.9	8949.3	7142.8	7856.2	9397.3	9843.1	8914.7
73°	5095.8	6301.3	8270.5	9174.7	9580.5	8209.5	6407.2	7236.0	9148.3	9802.1	8803.2
74°	4418.3	5608.7	7971.7	8841.5	9030.1	7440.2	5736.6	6646.4	8822.2	9678.3	8616.9
75°	3433.5	4847.1	7584.4	8438.8	8422.3	6631.1	4953.2	6080.4	8427.0	9446.8	8272.6
76°	2099.9	3903.6	7039.9	7983.4	7755.9	5754.0	3787.5	5360.4	8023.3	9076.6	7803.5
77°	929.4	2578.5	6340.3	7341.9	7006.2	4613.6	2458.8	4254.7	7572.3	8469.9	7280.6
78°	698.5	1248.0	5448.5	6480.6	6101.1	3169.5	1138.6	3024.0	7005.9	7575.8	6622.6
79°	483.7	911.0	4304.8	5399.9	5022.3	1749.0	462.3	1793.1	6085.6	6387.5	5730.2
80°	268.9	593.7	2778.6	4084.5	3742.1	800.0	307.8	576.4	4652.5	5085.8	4814.1
81°	234.5	276.4	1407.3	2679.7	2281.9	550.2	266.0	348.7	3295.2	3925.3	4050.0
82°	206.4	236.8	1028.5	1310.0	1056.9	315.7	234.0	284.8	1938.0	2960.6	3565.2
83°	179.0	204.4	663.0	971.1	762.9	259.7	202.0	241.6	607.1	2363.2	3322.4
84°	151.6	172.7	297.4	642.6	496.8	217.4	170.1	198.4	399.5	1765.9	2517.2
85°	123.3	141.1	220.6	314.2	230.7	176.7	140.3	155.3	321.7	1170.8	1712.0
86°	92.4	111.5	161.6	256.4	176.3	135.9	110.4	121.7	258.4	720.6	923.6
87°	67.0	83.9	120.8	196.3	133.4	99.3	79.6	91.4	195.1	501.3	644.8
88°	41.6	56.3	83.5	128.6	95.5	69.3	50.8	64.5	132.4	281.9	366.0
89°	16.3	28.7	46.2	68.5	53.5	39.4	35.6	44.9	90.3	63.0	93.0

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CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1	6298.1
1°	6213.3	6213.6	6221.8	6234.3	6253.5	6274.3	6296.5	6297.3	6319.3	6340.1	6359.9
2°	6141.9	6141.3	6152.4	6174.4	6205.1	6244.2	6286.6	6309.8	6354.9	6397.7	6436.2
3°	6081.4	6077.8	6092.5	6120.9	6162.4	6217.5	6279.7	6325.6	6395.1	6462.1	6522.6
4°	6029.0	6025.7	6041.7	6075.2	6127.5	6196.0	6276.7	6344.6	6438.7	6532.6	6619.8
5°	5983.7	5978.2	5998.0	6037.2	6097.6	6178.4	6276.5	6366.4	6485.3	6607.0	6724.2
6°	5940.6	5935.2	5957.0	6002.1	6071.5	6164.5	6281.3	6392.9	6537.1	6689.8	6837.1
7°	5903.9	5896.8	5920.5	5971.9	6047.5	6153.1	6286.8	6421.5	6593.9	6778.9	6958.2
8°	5872.7	5864.1	5890.5	5947.2	6028.4	6143.8	6294.5	6452.3	6654.5	6874.7	7088.2
9°	5848.5	5838.2	5866.8	5924.8	6014.9	6137.5	6305.8	6486.7	6720.6	6976.8	7228.5
10°	5829.0	5819.3	5847.4	5908.5	6003.7	6135.1	6323.0	6528.5	6791.6	7087.1	7381.0
11°	5817.5	5807.3	5835.2	5899.0	5996.5	6139.3	6344.5	6576.2	6871.5	7206.5	7544.0
12°	5814.0	5802.0	5829.3	5893.8	5995.9	6147.1	6370.7	6628.8	6957.8	7333.9	7717.9
13°	5815.3	5801.8	5830.5	5894.6	5999.8	6160.7	6401.4	6684.3	7050.0	7470.1	7909.2
14°	5819.4	5806.9	5835.3	5901.6	6006.8	6176.8	6435.3	6741.9	7145.0	7616.5	8107.0
15°	5829.2	5815.2	5843.2	5911.4	6019.2	6197.5	6472.2	6807.1	7246.5	7768.5	8317.1
16°	5842.3	5828.0	5856.0	5924.9	6038.2	6222.1	6513.1	6877.0	7352.6	7931.1	8534.9
17°	5857.5	5843.9	5873.4	5942.6	6059.6	6251.2	6557.4	6949.5	7465.9	8097.2	8756.8
18°	5876.9	5861.7	5893.9	5965.7	6083.1	6282.5	6606.4	7027.1	7580.8	8270.4	8987.4
19°	5898.6	5880.1	5916.7	5991.8	6110.4	6316.8	6656.9	7104.9	7700.1	8445.5	9210.2
20°	5919.9	5899.5	5940.6	6020.6	6140.7	6355.5	6712.6	7185.6	7824.3	8622.9	9437.1
21°	5940.3	5919.1	5966.9	6052.4	6175.1	6397.4	6769.7	7268.8	7954.0	8804.3	9656.5
22°	5962.6	5939.4	5993.6	6084.5	6210.6	6441.9	6828.6	7350.7	8082.1	8982.5	9871.7
23°	5987.0	5963.8	6021.3	6119.6	6247.9	6488.2	6887.7	7433.0	8214.7	9163.2	10081.5
24°	6015.6	5992.4	6051.4	6156.2	6284.6	6537.1	6948.7	7514.6	8345.7	9339.8	10283.4
25°	6046.4	6024.3	6085.6	6195.6	6322.1	6587.7	7007.6	7599.3	8478.8	9514.1	10479.4
26°	6080.6	6061.5	6123.4	6234.6	6360.6	6637.0	7068.3	7682.1	8613.2	9680.5	10671.5
27°	6119.3	6103.6	6164.4	6272.3	6400.1	6687.5	7128.7	7769.8	8747.6	9848.3	10867.5
28°	6161.2	6149.7	6209.9	6310.4	6442.6	6739.0	7191.5	7862.7	8885.6	10011.5	11067.5
29°	6207.0	6199.7	6257.2	6351.1	6485.7	6789.1	7257.2	7959.0	9028.3	10178.0	11259.5
30°	6254.3	6254.6	6304.7	6391.3	6530.7	6840.2	7325.2	8060.5	9172.7	10351.4	11449.6
31°	6301.1	6309.1	6351.8	6432.7	6577.1	6890.4	7394.0	8166.9	9324.3	10532.6	11653.5
32°	6349.3	6369.5	6400.0	6474.4	6623.2	6941.4	7460.5	8272.5	9478.6	10709.9	11830.8
33°	6398.8	6430.4	6448.8	6517.4	6669.9	6990.5	7527.8	8385.9	9638.8	10881.3	12001.2
34°	6449.1	6489.4	6497.2	6560.4	6715.2	7036.7	7596.8	8499.5	9789.3	11040.9	12139.1
35°	6499.8	6552.0	6547.3	6607.0	6761.7	7084.5	7667.2	8612.9	9930.8	11181.7	12235.7
36°	6551.6	6617.2	6598.3	6657.5	6808.8	7135.0	7735.8	8721.1	10065.7	11292.0	12277.0
37°	6604.9	6680.3	6647.7	6715.1	6861.4	7186.6	7799.3	8834.7	10181.0	11358.0	12281.0
38°	6654.2	6742.1	6694.9	6776.1	6922.2	7240.7	7863.3	8940.5	10268.6	11389.6	12257.3
39°	6702.1	6808.0	6741.9	6841.3	6987.4	7298.1	7921.7	9035.2	10331.7	11409.3	12232.7
40°	6753.1	6873.9	6791.3	6906.7	7055.7	7355.4	7984.4	9118.6	10376.0	11429.9	12226.8
41°	6805.0	6934.3	6844.8	6972.5	7128.3	7417.2	8044.8	9194.7	10417.4	11460.5	12245.5
42°	6858.1	6995.5	6901.2	7036.9	7205.5	7481.8	8111.2	9265.5	10473.5	11500.9	12283.9
43°	6912.5	7053.7	6959.0	7099.8	7283.6	7549.2	8186.7	9337.4	10549.4	11550.1	12328.3
44°	6967.9	7111.3	7019.6	7163.4	7359.4	7625.9	8266.6	9407.3	10633.1	11612.2	12369.6

REPORT NUMBER: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	7026.1	7168.2	7080.2	7226.4	7435.5	7705.9	8346.5	9474.6	10712.9	11683.1	12405.1
46°	7086.8	7222.8	7145.2	7290.2	7509.7	7790.5	8423.8	9542.4	10790.7	11759.9	12434.6
47°	7153.3	7280.4	7213.0	7353.1	7584.2	7879.9	8507.4	9612.3	10868.5	11835.8	12455.3
48°	7226.3	7329.7	7285.4	7416.3	7656.4	7972.8	8600.4	9673.7	10952.2	11904.7	12469.1
49°	7303.2	7379.5	7360.8	7483.3	7730.0	8062.7	8693.2	9729.7	11035.9	11967.8	12480.0
50°	7378.9	7429.0	7440.4	7555.0	7804.9	8150.5	8785.9	9780.0	11112.8	12022.9	12484.9
51°	7457.2	7482.5	7518.8	7630.4	7880.7	8233.6	8877.1	9826.9	11185.7	12073.1	12484.9
52°	7537.1	7532.6	7600.8	7711.3	7961.0	8316.5	8964.8	9875.6	11250.7	12118.5	12480.9
53°	7617.4	7579.6	7681.2	7796.3	8043.1	8402.3	9045.1	9919.0	11308.8	12158.8	12474.0
54°	7697.0	7624.8	7758.5	7883.5	8130.3	8490.1	9118.0	9960.3	11358.0	12192.3	12459.3
55°	7768.9	7671.6	7827.6	7975.5	8224.2	8582.0	9184.8	9993.8	11398.4	12215.0	12437.6
56°	7831.1	7717.3	7888.8	8067.2	8323.4	8676.2	9245.9	10024.3	11428.0	12233.7	12403.1
57°	7883.2	7762.3	7945.9	8160.5	8428.9	8768.2	9301.5	10051.9	11441.8	12240.6	12357.8
58°	7933.8	7805.8	7997.2	8243.8	8541.4	8860.2	9352.0	10069.7	11449.6	12230.7	12290.8
59°	7981.5	7848.8	8044.8	8320.7	8656.9	8951.8	9394.4	10074.6	11444.7	12209.1	12217.9
60°	8026.2	7886.0	8086.0	8399.6	8775.8	9040.2	9426.2	10068.7	11420.1	12178.5	12130.3
61°	8063.0	7920.4	8120.5	8486.5	8896.6	9128.2	9446.6	10061.8	11379.7	12136.2	12038.7
62°	8092.7	7956.2	8152.5	8573.7	9020.2	9220.2	9456.3	10047.0	11326.5	12072.2	11930.3
63°	8127.2	7989.6	8187.2	8649.8	9139.7	9310.4	9459.8	10011.5	11255.6	11988.4	11798.3
64°	8158.6	8023.9	8224.1	8720.1	9264.4	9395.3	9450.9	9957.4	11165.0	11883.0	11632.8
65°	8187.4	8030.2	8249.3	8791.9	9385.6	9476.2	9426.5	9864.8	11039.9	11752.0	11434.9
66°	8203.5	7988.3	8247.6	8867.0	9497.4	9548.4	9371.6	9718.6	10871.4	11589.5	11204.4
67°	8195.3	7940.9	8227.1	8929.0	9604.7	9592.5	9271.8	9521.9	10647.8	11402.4	10953.2
68°	8171.5	7857.5	8196.9	8979.6	9696.3	9598.1	9115.4	9202.0	10361.2	11168.9	10678.4
69°	8099.1	7640.8	8111.0	9006.0	9772.5	9567.6	8870.0	8699.8	9995.8	10885.2	10384.9
70°	7939.0	7273.9	7923.2	9008.0	9827.8	9494.4	8473.4	7991.5	9494.6	10547.4	10060.8
71°	7653.9	6716.5	7603.4	8974.6	9854.9	9353.8	7914.1	7170.9	8833.6	10136.6	9719.4
72°	7191.8	6032.1	7104.5	8893.4	9830.5	9149.0	7300.3	6438.6	8090.2	9681.3	9375.3
73°	6551.2	5329.7	6489.3	8763.3	9706.7	8840.4	6728.4	5779.3	7293.2	9122.6	9015.9
74°	5853.5	4626.2	5788.8	8514.8	9469.1	8473.4	6181.4	5027.9	6510.9	8474.4	8628.2
75°	5128.3	3745.8	5037.4	8118.6	9129.0	8089.0	5426.8	3867.8	5629.8	7751.0	8164.0
76°	4352.3	2820.0	4252.3	7648.1	8611.9	7674.8	4306.7	2412.6	4516.2	6989.4	7614.3
77°	3476.9	2207.7	3430.9	7099.4	7826.8	7119.3	3048.0	1128.1	3118.2	6114.6	6849.2
78°	2902.5	2315.1	2944.5	6393.2	6757.5	6239.5	1789.3	824.0	1694.2	5058.1	5781.8
79°	3002.0	2919.8	3166.4	5475.5	5575.5	4900.2	533.5	550.7	753.2	3837.1	4526.1
80°	3607.8	3332.6	3752.6	4528.1	4415.1	3461.9	347.8	277.5	535.2	2418.8	3134.3
81°	3817.7	2584.6	3742.6	3694.2	3429.9	2023.6	286.1	238.3	319.1	1152.4	1734.2
82°	2887.2	1836.5	2808.8	3350.7	2729.8	613.4	245.5	207.6	264.2	841.4	1251.1
83°	1956.9	1091.4	1874.9	2640.8	2029.7	411.8	204.9	177.7	223.6	545.8	793.4
84°	1030.7	582.4	946.0	1931.0	1332.6	337.7	164.4	147.7	185.6	250.2	335.7
85°	544.7	351.2	526.9	1221.3	775.8	274.9	131.0	116.0	144.6	187.1	282.7
86°	436.3	123.0	422.1	679.5	546.3	212.1	100.9	87.2	108.5	142.9	227.7
87°	327.9	82.9	317.3	543.9	316.7	149.4	73.0	58.3	77.8	104.6	161.7
88°	219.5	42.9	212.5	408.4	89.2	113.4	50.4	29.5	47.3	66.7	88.3
89°	111.1	3.8	107.7	272.9	47.1	77.4	27.7	9.8	16.8	50.6	66.5

REPORT NUMBER: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082
CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	6298.1	6298.1	6298.1
1°	6373.2	6385.0	6389.5
2°	6467.8	6489.1	6495.4
3°	6573.7	6605.5	6615.4
4°	6690.4	6735.2	6749.7
5°	6817.2	6878.4	6897.9
6°	6957.1	7036.0	7062.1
7°	7108.2	7206.9	7239.4
8°	7269.3	7389.1	7428.2
9°	7444.7	7588.8	7637.2
10°	7634.1	7807.9	7863.1
11°	7838.1	8041.7	8107.6
12°	8055.6	8290.3	8370.5
13°	8292.2	8559.9	8654.2
14°	8534.9	8842.7	8953.5
15°	8789.6	9137.5	9264.8
16°	9059.0	9444.7	9585.2
17°	9337.6	9750.5	9901.2
18°	9613.3	10060.8	10213.5
19°	9880.5	10354.3	10517.8
20°	10141.6	10637.0	10814.3
21°	10394.7	10904.0	11092.1
22°	10636.0	11160.0	11355.1
23°	10866.5	11413.2	11598.4
24°	11092.1	11656.5	11833.8
25°	11316.7	11890.9	12058.4
26°	11539.3	12104.7	12248.5
27°	11755.0	12292.8	12422.8
28°	11948.0	12456.3	12579.4
29°	12131.3	12625.7	12746.9
30°	12316.4	12811.9	12945.9
31°	12500.6	12984.3	13112.3
32°	12674.0	13110.4	13236.4
33°	12799.1	13172.4	13284.7
34°	12865.1	13160.6	13257.1
35°	12866.1	13082.8	13162.6
36°	12822.7	12963.6	13037.5
37°	12742.0	12847.4	12932.1
38°	12669.1	12770.5	12882.8
39°	12632.6	12737.0	12865.1
40°	12619.8	12720.3	12859.2
41°	12616.9	12712.4	12854.2
42°	12616.9	12703.5	12839.5
43°	12617.8	12692.7	12810.9
44°	12617.8	12674.0	12765.6

REPORT NUMBER: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12614.9	12641.5	12705.5
46°	12609.0	12598.2	12631.6
47°	12596.2	12549.9	12551.9
48°	12577.5	12497.7	12467.1
49°	12545.0	12443.5	12379.5
50°	12505.6	12391.3	12284.9
51°	12455.3	12330.2	12177.6
52°	12397.2	12254.4	12057.4
53°	12336.1	12163.8	11924.4
54°	12273.1	12047.5	11774.7
55°	12201.2	11911.6	11608.2
56°	12114.5	11755.0	11419.1
57°	12007.2	11572.8	11205.4
58°	11875.2	11363.0	10968.0
59°	11729.4	11124.6	10714.8
60°	11561.9	10864.6	10411.4
61°	11366.9	10568.1	10035.2
62°	11154.1	10212.5	9587.4
63°	10929.6	9797.5	9084.9
64°	10680.4	9344.7	8587.4
65°	10401.6	8922.5	8155.6
66°	10101.2	8559.0	7812.8
67°	9803.7	8249.9	7593.5
68°	9508.2	8016.1	7481.1
69°	9251.5	7834.0	7383.5
70°	9026.5	7673.3	7107.4
71°	8793.6	7415.1	6559.0
72°	8527.8	6958.3	5827.9
73°	8275.8	6325.7	5095.8
74°	7954.9	5598.9	4418.3
75°	7477.9	4810.5	3433.5
76°	6846.9	3850.3	2099.9
77°	6117.5	2577.1	929.4
78°	5185.4	1294.8	698.5
79°	3894.8	935.2	483.7
80°	2262.1	610.0	268.9
81°	1081.7	284.7	234.5
82°	806.9	236.3	206.4
83°	538.9	206.2	179.0
84°	270.9	172.8	151.6
85°	197.7	138.7	123.3
86°	148.6	107.9	92.4
87°	109.0	79.8	67.0
88°	87.4	51.7	41.6
89°	66.5	23.7	16.3

REPORT NUMBER: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

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: P1445082

CATALOG NUMBER: XAS300-SFPM (4000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)