

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: P1445057

Luminaire Tested: XAS300-SFPM (3000K-300W-T3-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445057
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 (3000K-300W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 34436.6 lumens
Efficiency: 89.7%
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

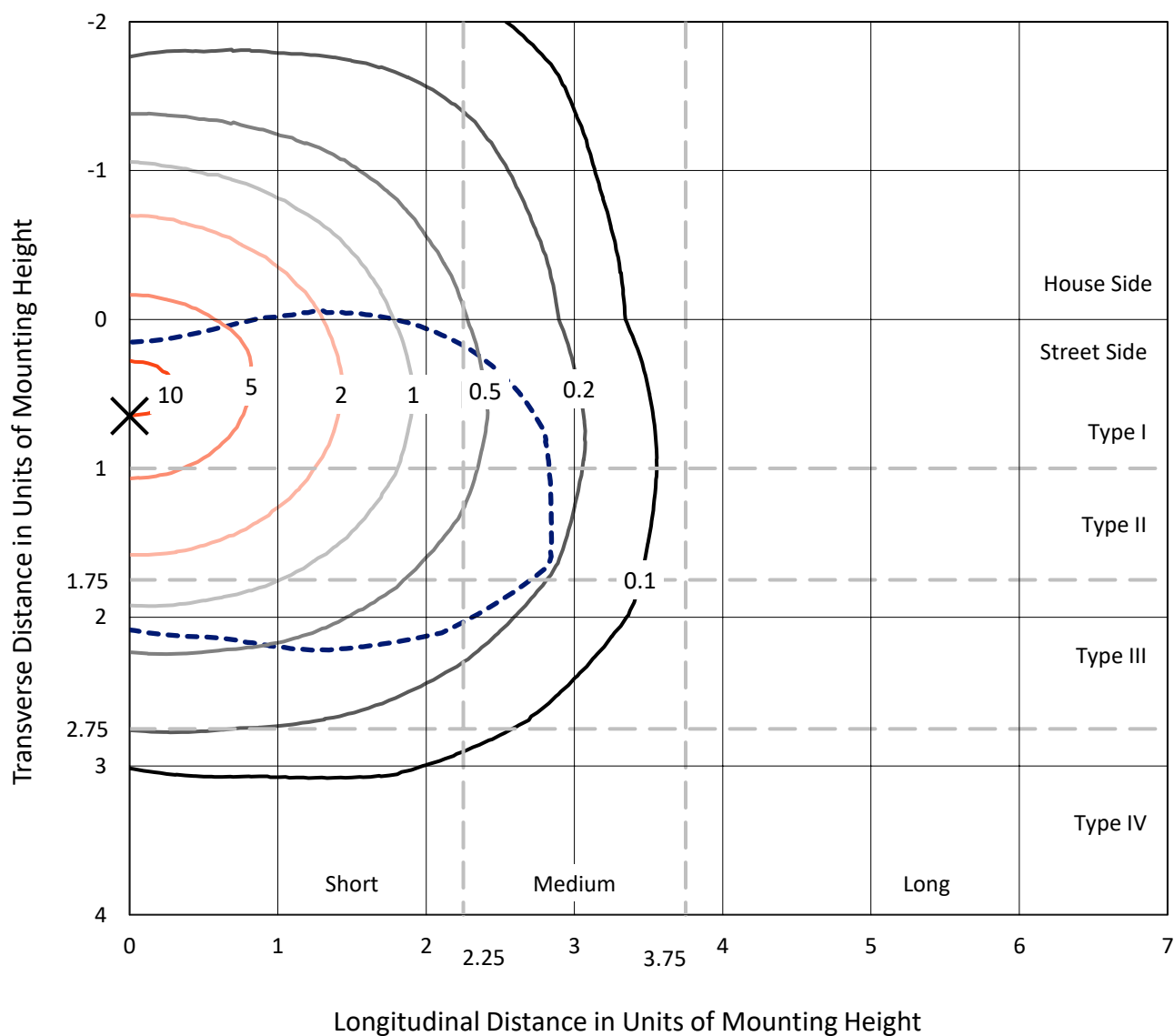
Input Watts (W): 297.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

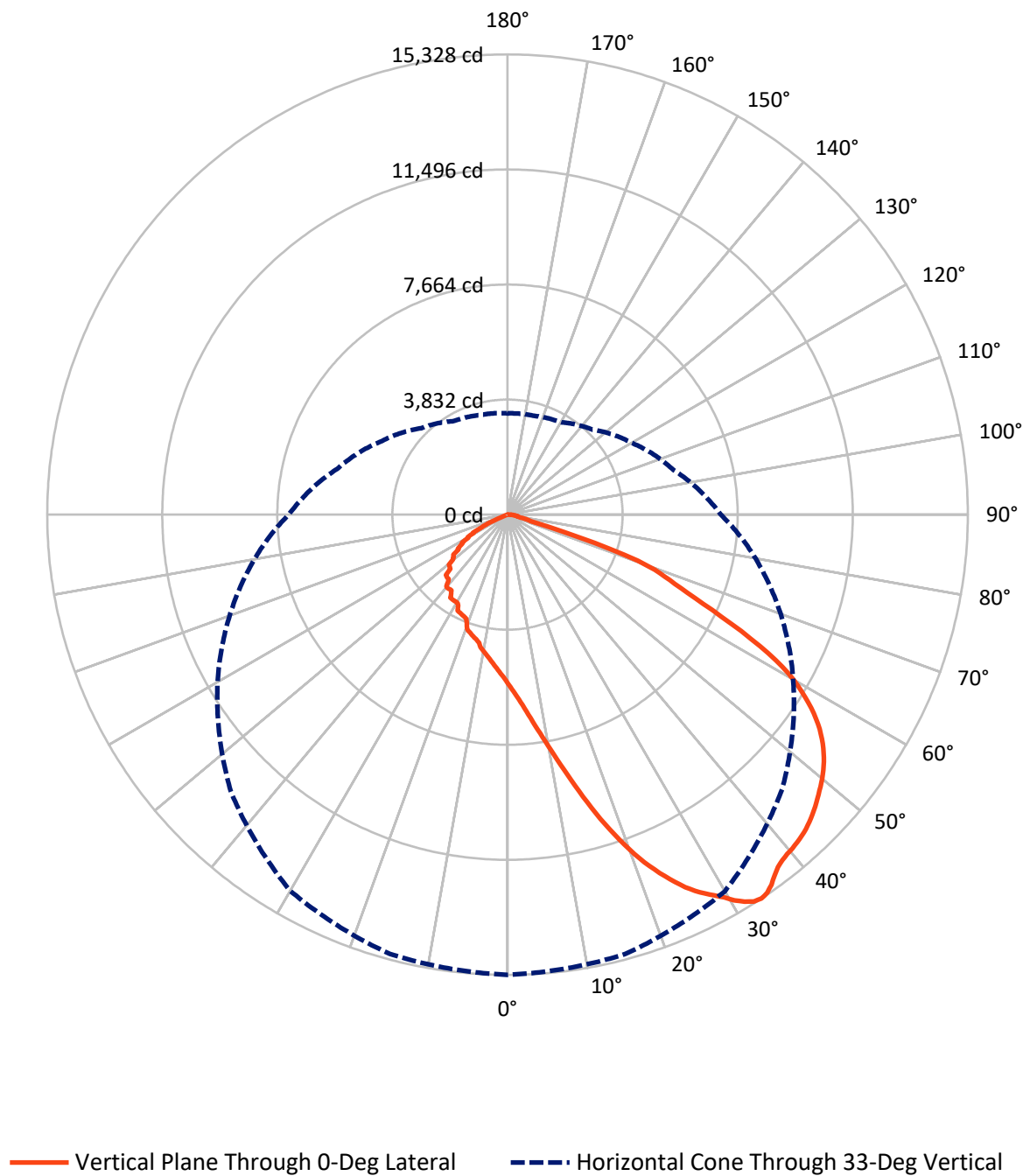


Based on 30 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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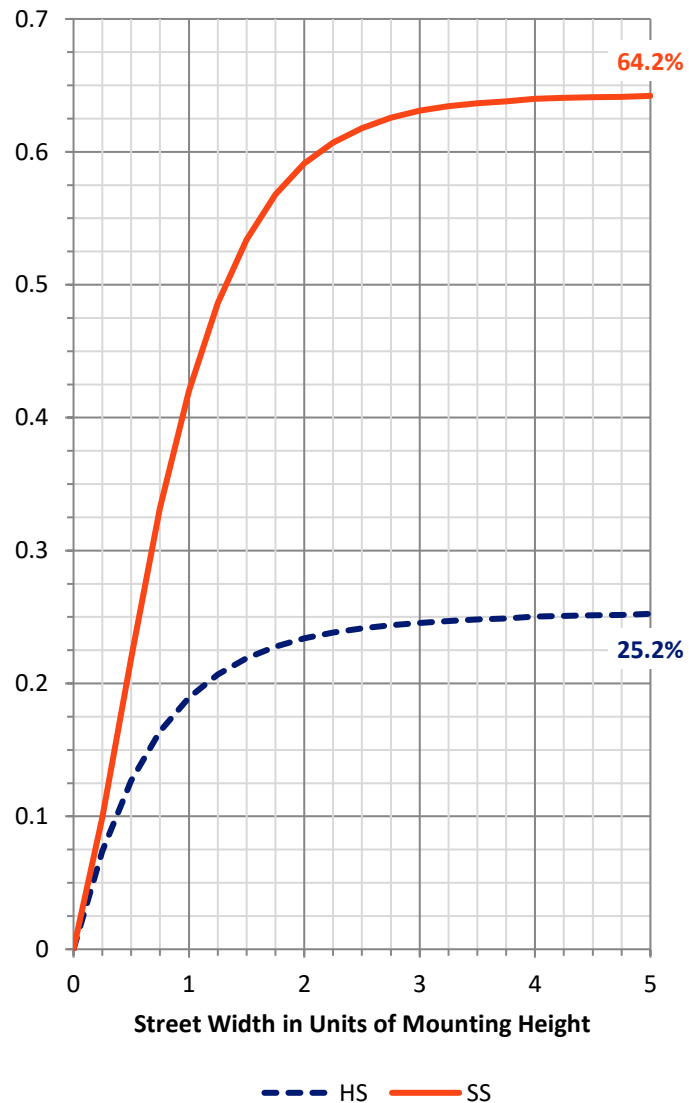
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9750.4	0.0	9750.4
	% Lamp	25.4	0.0	25.4
Street Side	Lumens	24686.2	0.0	24686.2
	% Lamp	64.3	0.0	64.3
Total	Lumens	34436.6	0.0	34436.6
	% Lamp	89.7	0.0	89.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	561.7	1.6	1.5
10°-20°	1891.6	5.5	4.9
20°-30°	3588.5	10.4	9.4
30°-40°	5287.0	15.4	13.8
40°-50°	6443.8	18.7	16.8
50°-60°	7048.7	20.5	18.4
60°-70°	6236.6	18.1	16.3
70°-80°	3089.5	9.0	8.1
80°-90°	289.1	0.8	0.8
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°	34436.6	100.0	89.7
0°-180°	34436.6	100.0	89.7

Coefficient of Utilization



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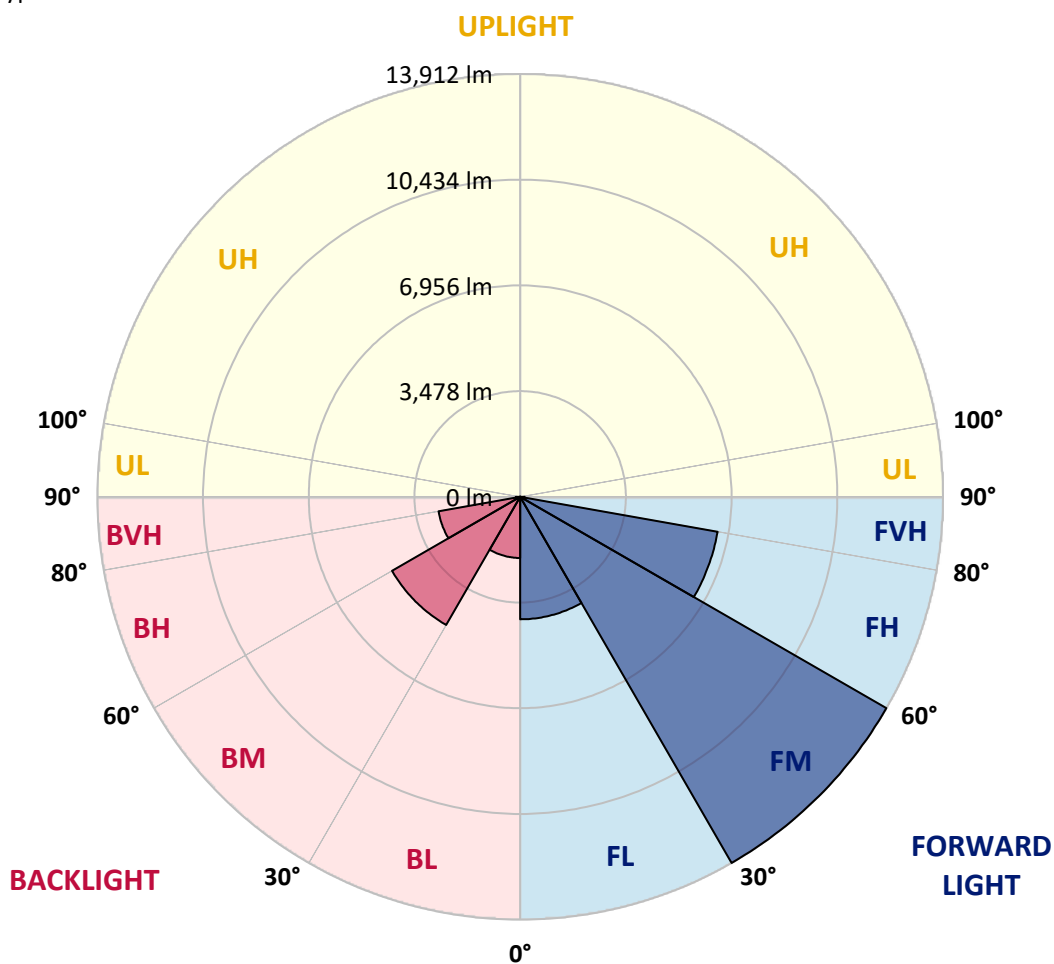
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4030.2	10.5			
FM	(30°-60°)	13911.6	36.3			
FH	(60°-80°)	6597.6	17.2			G3/7500
FVH	(80°-90°)	146.7	0.4			G2/225
BL	(0°-30°)	2011.6	5.2	B3/2500		
BM	(30°-60°)	4867.9	12.7	B3/5000		
BH	(60°-80°)	2728.5	7.1	B4/5000		G4/5000
BVH	(80°-90°)	142.3	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		3939.4	10.3			

BUG Rating: B4-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4
1°	5814.7	5813.0	5799.4	5778.8	5750.3	5714.9	5660.2	5623.6	5589.2	5562.3	5542.3
2°	5980.6	5971.2	5938.5	5889.9	5826.8	5754.9	5660.7	5587.7	5522.2	5468.9	5429.6
3°	6160.0	6143.7	6090.4	6012.7	5910.7	5798.6	5666.2	5558.3	5463.1	5385.2	5327.9
4°	6362.2	6334.8	6259.9	6147.9	6005.7	5853.5	5679.2	5536.0	5408.8	5306.0	5234.4
5°	6583.1	6549.3	6445.3	6293.7	6112.6	5915.2	5699.3	5520.8	5361.3	5237.9	5147.6
6°	6825.4	6780.0	6650.4	6458.1	6226.5	5981.2	5720.3	5508.1	5320.0	5173.4	5063.1
7°	7085.5	7031.9	6871.5	6631.9	6348.7	6050.7	5745.4	5497.4	5282.1	5109.5	4985.6
8°	7365.6	7299.5	7108.3	6823.2	6479.5	6125.6	5773.7	5489.8	5246.6	5051.3	4915.4
9°	7667.2	7586.5	7364.2	7024.5	6620.4	6207.0	5806.9	5483.0	5210.9	4999.4	4848.7
10°	7988.0	7894.7	7631.7	7241.3	6768.1	6293.3	5840.7	5479.7	5175.2	4951.7	4785.8
11°	8333.5	8226.9	7925.7	7470.2	6925.8	6388.0	5879.1	5479.7	5143.9	4906.0	4727.3
12°	8703.5	8577.2	8234.5	7710.0	7091.2	6486.2	5906.7	5468.7	5117.5	4859.8	4675.0
13°	9100.8	8952.6	8554.3	7965.8	7270.7	6569.9	5933.3	5454.6	5079.3	4816.9	4625.2
14°	9510.9	9350.3	8893.2	8233.7	7456.8	6659.1	5970.8	5446.9	5043.8	4779.0	4552.6
15°	9938.9	9753.2	9245.3	8511.4	7630.4	6756.7	6011.6	5444.6	5009.8	4730.0	4454.7
16°	10375.9	10168.6	9604.2	8796.2	7815.3	6860.5	6066.1	5456.1	4982.6	4685.0	4409.2
17°	10814.7	10582.3	9971.2	9085.5	8003.2	6975.0	6113.6	5458.8	4964.3	4619.7	4374.3
18°	11240.1	10994.2	10331.1	9375.4	8189.3	7096.1	6167.5	5468.5	4941.0	4545.6	4342.6
19°	11659.1	11396.2	10689.1	9651.8	8389.6	7211.0	6230.6	5493.0	4927.8	4506.6	4315.9
20°	12061.1	11781.1	11035.5	9915.6	8584.8	7335.2	6300.1	5519.1	4923.8	4475.7	4287.4
21°	12441.6	12153.5	11365.7	10187.5	8791.5	7464.2	6371.0	5540.0	4923.4	4449.8	4254.4
22°	12790.7	12503.5	11682.4	10436.9	8982.4	7604.5	6429.8	5538.4	4910.3	4434.2	4217.6
23°	13129.8	12843.6	11994.7	10679.2	9183.4	7747.5	6463.7	5544.5	4883.3	4423.9	4185.7
24°	13443.9	13166.6	12294.4	10916.1	9379.9	7877.0	6508.7	5569.6	4852.4	4402.8	4026.9
25°	13745.4	13469.0	12584.3	11157.5	9570.1	7995.6	6573.4	5581.5	4832.1	4384.3	3906.5
26°	14001.2	13742.7	12867.8	11383.6	9766.6	8098.3	6640.7	5589.5	4810.5	4367.8	3880.0
27°	14225.5	13983.2	13137.0	11605.3	9962.2	8214.6	6683.7	5613.7	4813.5	4346.4	3861.6
28°	14431.0	14198.6	13386.5	11818.8	10156.1	8350.2	6746.5	5640.2	4818.1	4312.2	3842.2
29°	14649.0	14412.1	13607.2	12024.3	10332.8	8499.8	6821.9	5664.2	4814.3	4168.5	3815.6
30°	14906.6	14659.8	13834.3	12236.1	10500.6	8629.8	6905.3	5666.6	4792.8	4073.9	3788.8
31°	15117.5	14882.3	14072.1	12465.8	10640.6	8756.5	6984.3	5674.6	4790.1	4038.1	3771.5
32°	15274.5	15057.3	14292.8	12704.5	10797.7	8883.9	7046.1	5699.9	4793.2	4014.9	3750.5
33°	15328.3	15148.9	14479.4	12931.5	10986.1	9026.3	7102.3	5727.6	4778.3	4004.9	3551.2
34°	15277.2	15126.4	14581.7	13136.1	11177.2	9183.4	7175.0	5742.2	4773.6	4001.3	3510.2
35°	15135.4	15010.7	14567.4	13282.4	11357.6	9342.2	7261.8	5765.6	4777.6	3997.7	3493.4
36°	14953.2	14850.9	14468.7	13369.4	11520.0	9492.9	7348.1	5806.9	4772.9	3983.0	3484.5
37°	14790.8	14675.1	14333.2	13371.2	11618.7	9608.7	7409.7	5829.5	4768.1	3967.4	3489.6
38°	14701.1	14558.4	14198.6	13318.3	11673.5	9709.2	7470.7	5848.7	4749.7	3931.9	3492.4
39°	14649.0	14497.4	14105.3	13254.6	11680.6	9790.9	7560.0	5869.6	4624.6	3796.2	3485.0
40°	14610.5	14456.1	14053.2	13207.0	11654.6	9839.3	7640.2	5886.5	4558.3	3804.3	3445.1
41°	14565.6	14422.9	14020.0	13179.2	11648.3	9867.1	7696.6	5915.3	4579.2	3829.7	3308.2
42°	14508.2	14387.0	13989.5	13156.8	11666.3	9892.3	7730.9	5923.7	4607.3	3838.2	3313.6
43°	14435.5	14343.0	13957.2	13147.8	11690.5	9923.7	7749.8	5944.1	4612.4	3836.6	3307.5
44°	14346.6	14289.2	13919.5	13149.6	11721.9	9950.6	7758.5	5952.6	4597.7	3851.4	3275.3

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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	14239.9	14221.0	13871.0	13147.8	11758.7	9990.1	7777.0	5986.8	4615.0	3864.2	3252.9
46°	14122.3	14136.7	13814.5	13132.5	11787.4	10043.0	7802.0	5985.2	4638.6	3826.7	3145.5
47°	13998.5	14048.7	13749.0	13111.0	11810.8	10100.4	7811.6	5920.5	4635.7	3668.2	3020.5
48°	13870.2	13952.7	13675.4	13093.1	11835.0	10150.7	7852.3	5918.5	4651.0	3649.7	3019.5
49°	13742.7	13849.5	13589.3	13064.3	11862.8	10189.3	7898.5	5945.0	4579.7	3658.9	3009.0
50°	13607.2	13741.8	13496.0	13015.9	11875.4	10222.5	7940.5	5973.3	4488.4	3655.1	2995.1
51°	13453.8	13617.1	13391.0	12958.5	11891.5	10252.1	7976.1	5975.7	4491.6	3635.7	2830.2
52°	13279.7	13473.5	13274.3	12893.8	11911.3	10267.3	7988.8	5990.7	4471.3	3552.7	2793.6
53°	13086.8	13310.2	13148.7	12825.6	11917.5	10271.8	7938.7	6017.4	4499.5	3446.7	2805.1
54°	12866.0	13111.9	13011.4	12746.7	11904.1	10279.9	7883.1	5989.4	4513.3	3452.9	2812.3
55°	12614.8	12881.3	12865.1	12651.6	11870.9	10271.8	7863.9	5983.8	4513.1	3448.6	2710.1
56°	12323.1	12613.0	12696.4	12543.0	11826.0	10247.6	7852.8	5970.3	4492.5	3425.1	2632.9
57°	11994.7	12307.9	12500.8	12424.5	11774.0	10224.3	7836.2	5958.1	4431.3	3266.0	2634.5
58°	11625.0	11963.3	12272.0	12296.2	11707.6	10210.8	7785.1	5902.1	4400.5	3295.1	2574.0
59°	11221.2	11583.7	12025.2	12149.1	11634.9	10187.5	7742.1	5845.0	4402.2	3337.1	2448.6
60°	10756.4	11165.6	11739.0	11981.3	11543.4	10150.7	7690.0	5824.4	4399.8	3371.5	2454.5
61°	10173.1	10676.5	11423.1	11781.1	11426.7	10088.8	7628.3	5771.3	4381.3	3259.0	2332.6
62°	9480.4	10100.4	11061.5	11548.7	11294.8	10004.4	7527.0	5719.2	4329.5	3247.3	2307.9
63°	8693.9	9443.6	10655.0	11280.4	11140.4	9872.5	7413.2	5649.2	4335.5	3259.9	2257.4
64°	7891.6	8742.7	10191.1	10986.1	10959.2	9696.6	7273.6	5558.6	4307.9	3196.5	2163.1
65°	7161.5	8049.7	9684.1	10660.4	10757.3	9487.6	7139.1	5501.2	4209.9	3203.6	2085.2
66°	6528.6	7374.5	9142.1	10284.4	10522.2	9300.0	6964.8	5405.7	4199.6	3148.6	2050.1
67°	6030.9	6760.7	8591.3	9874.3	10254.8	9088.2	6763.4	5288.9	4236.1	3141.1	1936.3
68°	5631.0	6226.9	8039.1	9411.3	9945.2	8832.6	6466.7	5143.6	4272.4	3147.2	1853.4
69°	5233.0	5767.6	7478.6	8910.8	9575.5	8525.9	6172.4	4966.9	4233.2	3135.0	1770.4
70°	4613.2	5294.4	6925.4	8391.7	9156.4	8133.6	5719.1	4712.5	4136.4	3148.2	1688.4
71°	3629.4	4678.9	6386.0	7863.2	8700.9	7626.7	5120.5	4364.1	4061.0	3141.5	1659.4
72°	2467.1	3827.1	5842.6	7336.8	8208.9	7062.3	4533.9	3996.3	3978.5	3211.4	1648.1
73°	1442.0	2794.2	5253.3	6801.7	7674.2	6378.6	3984.9	3671.6	3813.8	3181.8	1597.4
74°	814.3	1787.9	4607.6	6256.4	7070.2	5636.0	3478.6	3402.1	3643.1	3173.3	1604.3
75°	679.3	1051.0	3887.6	5659.1	6404.8	4831.8	2875.2	3121.1	3489.2	3146.5	1571.4
76°	561.4	852.4	3085.9	4971.6	5640.7	3976.4	2022.0	2718.4	3359.8	3070.5	1492.7
77°	443.5	657.3	2327.2	4115.3	4781.0	2949.7	1171.1	2033.8	3239.9	2912.9	1373.8
78°	396.1	462.2	1744.1	3062.7	3814.2	1879.7	541.4	1349.3	3141.0	2657.5	1216.6
79°	364.4	407.7	1275.6	1951.1	2843.5	984.5	270.2	667.6	2848.0	2222.2	1054.5
80°	335.8	366.0	919.1	1056.4	1905.4	742.7	232.6	497.2	2111.9	1786.8	926.7
81°	308.8	329.1	735.3	822.7	1077.8	502.7	194.9	326.8	1375.9	1354.2	946.7
82°	283.1	297.3	553.9	611.2	799.4	262.8	157.4	158.7	645.1	1109.2	889.3
83°	257.1	269.8	372.5	399.7	528.3	217.6	134.5	126.0	484.6	946.3	712.1
84°	230.0	241.0	314.7	350.9	257.2	185.6	112.2	98.9	324.2	748.8	489.9
85°	203.0	212.0	250.8	305.9	202.4	153.3	90.6	76.7	164.3	533.1	323.7
86°	175.0	183.7	196.9	260.7	162.0	120.3	69.6	58.0	137.9	427.2	229.9
87°	146.1	156.9	162.5	210.0	127.2	90.5	49.7	42.7	107.9	321.4	136.3
88°	119.7	129.9	130.2	150.3	97.1	68.0	35.0	30.4	70.5	215.6	83.0
89°	98.7	102.9	98.5	88.5	74.5	45.8	20.4	18.2	48.7	109.7	56.7

REPORT NUMBER: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4	5668.4
1°	5531.6	5529.8	5539.2	5558.0	5582.9	5616.0	5651.0	5672.2	5706.2	5739.5	5769.2
2°	5408.2	5402.8	5417.5	5450.0	5496.3	5556.8	5624.6	5684.4	5754.5	5825.2	5887.4
3°	5294.7	5286.3	5304.3	5348.0	5414.6	5501.7	5602.8	5699.4	5807.8	5916.3	6015.9
4°	5190.9	5179.3	5202.2	5254.7	5339.4	5451.5	5583.6	5720.3	5868.1	6016.7	6154.1
5°	5092.8	5078.3	5104.7	5168.6	5269.9	5405.6	5568.3	5742.6	5929.6	6125.5	6306.7
6°	4999.2	4982.4	5010.8	5083.0	5202.9	5362.0	5556.4	5769.0	5996.4	6239.0	6469.8
7°	4911.6	4892.8	4923.8	5004.9	5135.8	5321.6	5546.3	5797.8	6069.0	6362.7	6642.9
8°	4831.4	4807.8	4842.5	4934.8	5076.6	5281.6	5537.6	5827.4	6145.8	6493.3	6827.8
9°	4752.7	4724.3	4763.1	4865.6	5023.8	5241.8	5529.1	5860.3	6226.1	6631.7	7027.5
10°	4678.3	4647.7	4689.1	4798.4	4973.0	5204.0	5525.0	5896.2	6311.9	6777.3	7239.0
11°	4612.7	4578.8	4619.5	4737.1	4923.6	5172.1	5524.0	5939.7	6404.0	6933.3	7465.4
12°	4554.0	4504.8	4555.8	4680.4	4877.1	5146.9	5510.6	5967.5	6502.0	7097.2	7703.5
13°	4444.5	4370.0	4447.2	4626.5	4831.0	5107.1	5503.2	6002.6	6585.5	7274.7	7958.0
14°	4358.0	4313.1	4358.8	4554.6	4790.9	5073.4	5495.7	6034.4	6675.6	7454.1	8222.1
15°	4312.6	4264.0	4310.2	4449.4	4741.6	5042.7	5496.0	6078.4	6769.2	7626.4	8504.1
16°	4269.5	4218.6	4265.9	4405.7	4699.3	5020.5	5500.5	6133.2	6873.4	7809.6	8791.7
17°	4231.8	4176.2	4228.2	4370.0	4644.8	4997.3	5509.5	6182.5	6995.0	7998.3	9090.9
18°	4191.1	4128.7	4186.6	4338.9	4572.8	4980.4	5524.9	6238.9	7103.4	8197.9	9378.1
19°	4150.2	4083.6	4147.0	4314.6	4526.3	4976.0	5551.2	6309.7	7226.3	8399.2	9658.9
20°	4109.0	4033.9	4109.4	4286.4	4497.6	4978.3	5578.7	6383.8	7349.8	8611.4	9939.8
21°	4062.4	3863.1	4067.6	4252.6	4479.1	4978.5	5597.8	6450.2	7489.4	8818.2	10206.3
22°	3853.1	3737.8	3870.4	4220.6	4467.9	4967.9	5603.4	6509.0	7632.9	9026.3	10461.2
23°	3771.7	3703.0	3788.7	4195.7	4457.8	4950.0	5621.9	6552.0	7772.3	9235.4	10715.1
24°	3741.8	3678.7	3762.4	4037.9	4438.8	4932.8	5655.5	6607.4	7901.8	9440.9	10965.5
25°	3722.8	3658.6	3744.2	3932.0	4420.6	4918.0	5669.6	6683.0	8016.5	9648.2	11197.9
26°	3704.9	3637.4	3728.5	3915.4	4409.7	4894.3	5689.4	6748.3	8135.4	9852.8	11434.8
27°	3685.5	3621.9	3711.7	3901.4	4385.4	4904.6	5721.5	6805.3	8267.5	10056.5	11663.6
28°	3671.3	3603.2	3698.8	3880.8	4356.0	4912.0	5753.6	6877.8	8419.5	10246.7	11895.1
29°	3654.5	3444.9	3683.7	3856.2	4217.3	4898.8	5774.0	6964.0	8572.6	10432.4	12119.4
30°	3473.1	3379.9	3499.5	3835.3	4125.8	4880.6	5779.3	7052.3	8703.2	10604.7	12347.4
31°	3420.9	3372.9	3449.1	3817.0	4089.5	4880.4	5802.4	7133.2	8854.9	10776.1	12590.5
32°	3411.6	3373.2	3440.0	3795.3	4073.3	4884.5	5837.4	7199.3	9019.1	10961.0	12813.1
33°	3405.8	3371.7	3435.2	3596.0	4068.5	4867.7	5875.3	7283.5	9197.7	11146.7	13030.2
34°	3399.0	3364.7	3427.6	3555.7	4066.0	4866.2	5891.5	7382.9	9357.4	11334.3	13212.4
35°	3387.2	3358.0	3415.7	3538.7	4062.2	4866.4	5926.9	7481.0	9498.3	11510.2	13333.5
36°	3374.0	3230.4	3400.8	3532.3	4045.2	4860.9	5969.0	7575.2	9621.3	11628.6	13376.6
37°	3240.8	3139.3	3250.5	3537.8	4031.4	4852.9	5996.3	7639.5	9722.7	11693.2	13361.4
38°	3133.4	3141.4	3160.4	3538.4	3989.5	4836.5	6019.5	7708.3	9800.7	11709.4	13299.4
39°	3126.1	3150.4	3152.2	3537.5	3858.6	4716.5	6025.6	7781.7	9854.6	11695.0	13228.6
40°	3124.3	3154.3	3146.2	3488.4	3880.3	4655.1	6032.7	7829.9	9886.9	11686.9	13179.2
41°	3107.9	3139.8	3127.1	3364.9	3907.5	4674.0	6039.4	7864.4	9903.0	11695.0	13150.5
42°	3073.8	2966.3	3093.0	3369.8	3905.5	4698.2	6047.9	7895.3	9931.7	11712.1	13145.1
43°	2902.9	2907.1	2925.6	3356.3	3909.6	4683.1	6066.7	7921.2	9962.2	11736.3	13156.8
44°	2835.3	2902.6	2865.4	3324.5	3922.0	4674.0	6085.4	7939.4	10004.4	11764.1	13162.2

REPORT NUMBER: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2829.7	2892.8	2860.6	3303.2	3934.6	4692.0	6118.0	7969.6	10053.8	11791.0	13158.6
46°	2819.8	2874.7	2848.0	3171.8	3877.2	4722.3	6094.7	7989.8	10104.9	11826.0	13155.0
47°	2793.8	2626.0	2826.7	3082.6	3733.8	4726.9	6035.9	8008.1	10148.0	11865.5	13143.3
48°	2577.8	2602.3	2613.3	3082.3	3722.7	4743.8	6046.2	8050.3	10184.8	11896.9	13120.9
49°	2565.3	2583.3	2608.8	3065.8	3732.7	4652.2	6075.3	8087.8	10223.4	11921.1	13080.5
50°	2563.2	2564.6	2609.5	3057.6	3723.4	4592.9	6098.7	8119.6	10257.5	11945.4	13028.4
51°	2560.5	2360.8	2609.9	2884.0	3707.7	4598.0	6102.0	8144.5	10275.4	11957.9	12974.6
52°	2404.7	2288.4	2443.8	2860.5	3583.2	4588.3	6116.2	8142.3	10281.7	11959.7	12917.2
53°	2356.1	2273.7	2402.4	2874.5	3526.3	4619.1	6133.7	8074.7	10288.9	11947.2	12847.2
54°	2342.1	2244.0	2387.6	2887.3	3535.1	4622.5	6110.5	8013.0	10278.1	11915.7	12766.4
55°	2311.5	2005.6	2345.2	2759.6	3534.5	4623.5	6105.1	7990.3	10250.3	11872.7	12681.2
56°	2117.5	2004.2	2163.3	2709.1	3510.1	4617.1	6084.1	7974.9	10218.0	11826.9	12579.8
57°	2121.4	1887.6	2169.9	2710.1	3370.2	4537.3	6069.2	7952.1	10194.7	11767.7	12455.9
58°	1988.8	1772.4	2025.2	2622.2	3408.2	4526.2	5986.1	7895.0	10165.0	11695.0	12307.0
59°	1911.2	1777.2	1962.4	2536.9	3454.8	4526.6	5952.5	7840.4	10125.6	11609.8	12135.6
60°	1844.9	1519.6	1898.5	2552.1	3485.5	4520.2	5903.7	7770.0	10064.5	11503.9	11947.2
61°	1778.5	1523.0	1834.6	2418.5	3377.3	4487.4	5842.5	7711.4	9986.5	11384.5	11742.6
62°	1707.6	1291.0	1767.7	2407.6	3372.4	4433.7	5773.8	7613.4	9857.3	11239.2	11514.6
63°	1485.5	1281.9	1543.2	2340.0	3364.1	4430.0	5693.2	7495.4	9690.4	11068.7	11253.5
64°	1471.2	1001.6	1512.7	2268.0	3322.8	4386.8	5605.5	7347.7	9486.7	10873.9	10952.9
65°	1247.9	887.4	1296.9	2177.8	3335.9	4277.9	5517.6	7200.4	9295.5	10652.3	10609.2
66°	1084.4	718.2	1117.5	2163.1	3281.2	4294.0	5409.9	6986.0	9081.1	10401.9	10232.3
67°	986.7	478.3	976.5	2049.6	3272.4	4321.0	5271.3	6753.5	8831.5	10121.1	9814.2
68°	780.5	238.4	805.5	1957.2	3263.3	4336.4	5097.6	6407.1	8545.7	9795.3	9376.3
69°	519.0	0.5	542.1	1864.8	3251.6	4245.7	4894.2	6028.0	8189.5	9427.4	8903.4
70°	502.7	0.4	521.5	1774.5	3267.2	4126.6	4582.1	5475.2	7757.2	9007.5	8389.3
71°	501.7	0.4	503.2	1748.7	3251.8	4015.0	4180.7	4833.1	7196.0	8546.9	7836.1
72°	477.4	0.4	465.7	1726.9	3314.5	3900.5	3804.9	4243.1	6592.0	8048.6	7292.4
73°	429.1	0.4	398.1	1659.7	3261.3	3718.1	3519.1	3711.5	5859.6	7478.2	6735.8
74°	369.6	0.4	315.7	1634.3	3186.2	3550.7	3266.3	3149.7	5079.0	6822.1	6169.5
75°	296.5	0.5	260.9	1567.4	3109.3	3422.5	2879.9	2391.8	4265.4	6080.3	5545.0
76°	222.9	0.5	241.2	1466.4	2944.4	3301.4	2182.5	1479.8	3365.6	5272.7	4854.8
77°	169.4	0.5	268.5	1334.4	2702.6	3174.6	1485.0	713.4	2322.9	4380.6	3976.2
78°	183.1	0.6	306.9	1179.1	2393.4	2905.4	795.2	468.3	1317.7	3418.0	2851.0
79°	253.0	0.6	247.4	1051.1	2022.1	2194.4	332.5	236.6	968.6	2481.1	1728.9
80°	265.6	0.7	188.0	982.9	1650.7	1483.6	248.7	200.5	626.9	1604.4	881.7
81°	212.9	0.8	128.5	919.6	1284.4	772.9	166.2	174.6	285.1	876.3	707.3
82°	160.2	1.0	68.3	784.3	1072.9	570.9	133.5	150.7	237.0	652.5	551.5
83°	107.8	1.1	36.0	506.5	830.9	368.9	108.3	128.2	204.0	445.5	395.7
84°	62.7	1.3	28.6	365.3	544.6	168.0	87.9	106.0	173.5	238.4	347.5
85°	38.0	1.5	21.2	224.0	389.2	139.2	69.5	84.6	142.6	187.6	302.4
86°	29.3	1.7	14.0	86.4	233.8	111.5	52.9	63.5	111.2	149.2	256.0
87°	20.5	1.9	11.9	50.6	79.8	82.5	38.6	42.4	83.5	116.4	203.5
88°	11.9	2.1	9.7	35.1	54.7	56.7	27.2	24.9	60.4	87.9	138.7
89°	7.4	2.4	6.7	19.6	29.7	30.9	15.9	10.9	37.5	68.4	78.2



REPORT NUMBER: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5668.4	5668.4	5668.4
1°	5793.5	5807.5	5814.7
2°	5937.7	5969.2	5980.6
3°	6093.9	6144.3	6160.0
4°	6265.9	6339.2	6362.2
5°	6454.6	6551.7	6583.1
6°	6657.8	6785.3	6825.4
7°	6879.5	7033.9	7085.5
8°	7111.1	7301.2	7365.6
9°	7365.3	7588.4	7667.2
10°	7632.0	7896.8	7988.0
11°	7919.2	8227.3	8333.5
12°	8223.0	8575.3	8703.5
13°	8546.3	8950.8	9100.8
14°	8883.1	9344.0	9510.9
15°	9237.2	9749.6	9938.9
16°	9600.6	10167.7	10375.9
17°	9980.2	10593.1	10814.7
18°	10349.0	11013.9	11240.1
19°	10709.7	11415.0	11659.1
20°	11061.5	11801.8	12061.1
21°	11401.6	12170.6	12441.6
22°	11719.2	12512.5	12790.7
23°	12027.0	12850.8	13129.8
24°	12323.1	13179.2	13443.9
25°	12617.5	13487.0	13745.4
26°	12909.1	13773.2	14001.2
27°	13183.7	14017.3	14225.5
28°	13426.0	14229.1	14431.0
29°	13650.3	14444.4	14649.0
30°	13878.2	14686.7	14906.6
31°	14116.0	14909.3	15117.5
32°	14326.9	15069.9	15274.5
33°	14468.7	15145.3	15328.3
34°	14532.4	15126.4	15277.2
35°	14507.3	15010.7	15135.4
36°	14426.5	14843.8	14953.2
37°	14296.4	14671.5	14790.8
38°	14174.3	14560.2	14701.1
39°	14094.5	14497.4	14649.0
40°	14044.2	14462.4	14610.5
41°	14011.9	14432.8	14565.6
42°	13976.9	14398.7	14508.2
43°	13941.9	14360.1	14435.5
44°	13906.9	14308.9	14346.6

REPORT NUMBER: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	13864.8	14239.0	14239.9
46°	13817.2	14151.9	14122.3
47°	13764.3	14056.8	13998.5
48°	13699.7	13953.6	13870.2
49°	13616.2	13849.5	13742.7
50°	13515.7	13741.8	13607.2
51°	13406.2	13622.5	13453.8
52°	13283.3	13484.3	13279.7
53°	13155.9	13316.5	13086.8
54°	13023.1	13118.2	12866.0
55°	12882.2	12884.0	12614.8
56°	12717.1	12617.5	12323.1
57°	12523.2	12320.4	11994.7
58°	12289.0	11968.7	11625.0
59°	12030.6	11587.3	11221.2
60°	11740.8	11173.7	10756.4
61°	11410.5	10704.3	10173.1
62°	11045.3	10136.3	9480.4
63°	10641.5	9480.4	8693.9
64°	10204.5	8765.6	7891.6
65°	9711.0	8058.4	7161.5
66°	9178.0	7399.7	6528.6
67°	8627.4	6808.6	6030.9
68°	8059.4	6271.8	5631.0
69°	7521.4	5792.9	5233.0
70°	7008.2	5319.8	4613.2
71°	6475.9	4735.8	3629.4
72°	5895.2	3921.1	2467.1
73°	5313.2	2893.7	1442.0
74°	4700.3	1918.0	814.3
75°	3924.6	1167.1	679.3
76°	3090.4	936.9	561.4
77°	2363.5	708.7	443.5
78°	1785.8	480.4	396.1
79°	1319.0	415.8	364.4
80°	890.4	371.3	335.8
81°	716.9	333.3	308.8
82°	545.5	301.5	283.1
83°	374.1	276.0	257.1
84°	313.3	246.0	230.0
85°	247.9	214.1	203.0
86°	198.0	184.8	175.0
87°	161.9	156.9	146.1
88°	128.3	129.6	119.7
89°	95.4	102.4	98.7

REPORT NUMBER: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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

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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-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: P1445057

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)