

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: P1445039

Luminaire Tested: XAS300-SFPM (3000K-120W-T3-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445039
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-120W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
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: 16720.7 lumens
Efficiency: 43.6%
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 126
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

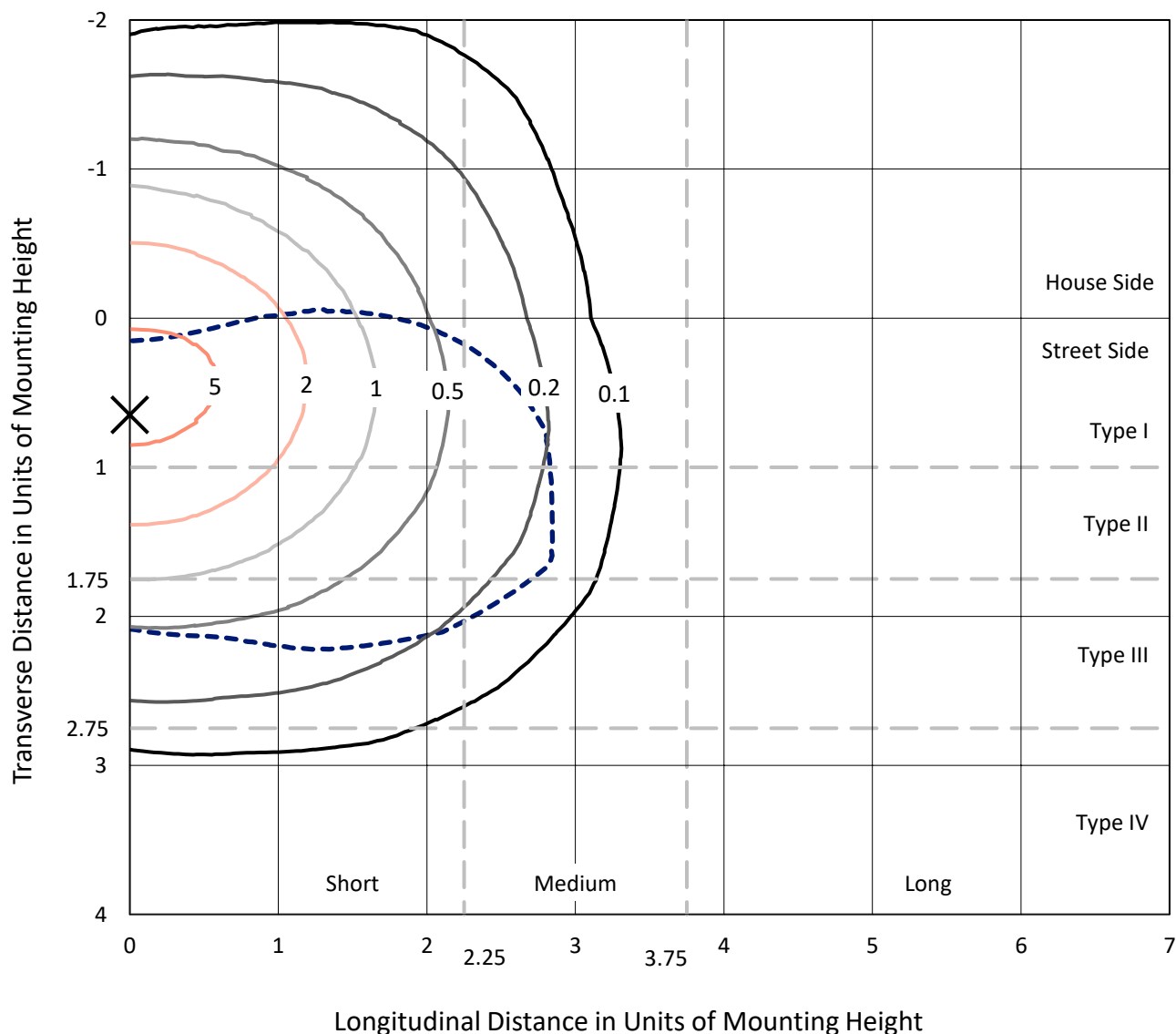
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

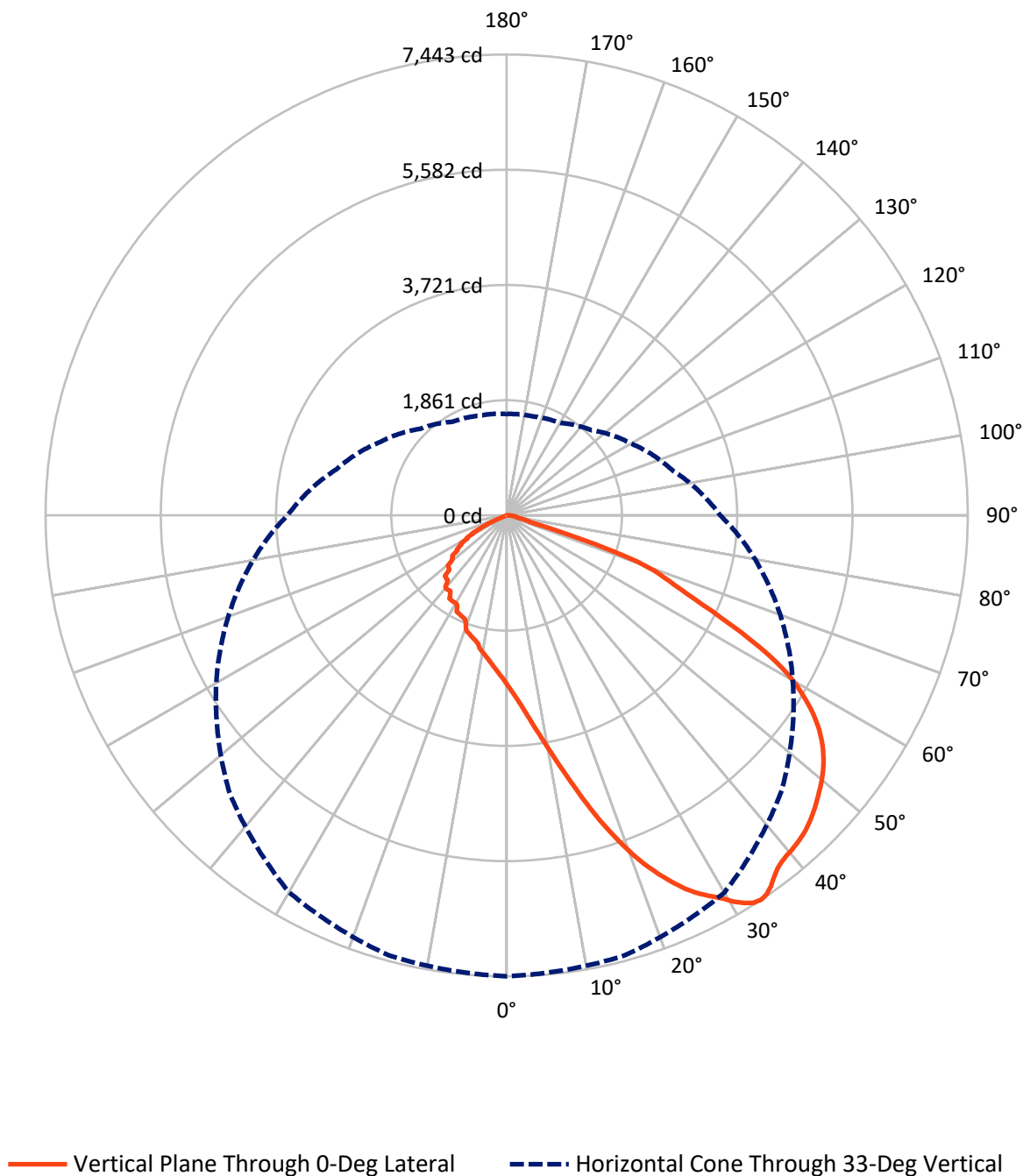


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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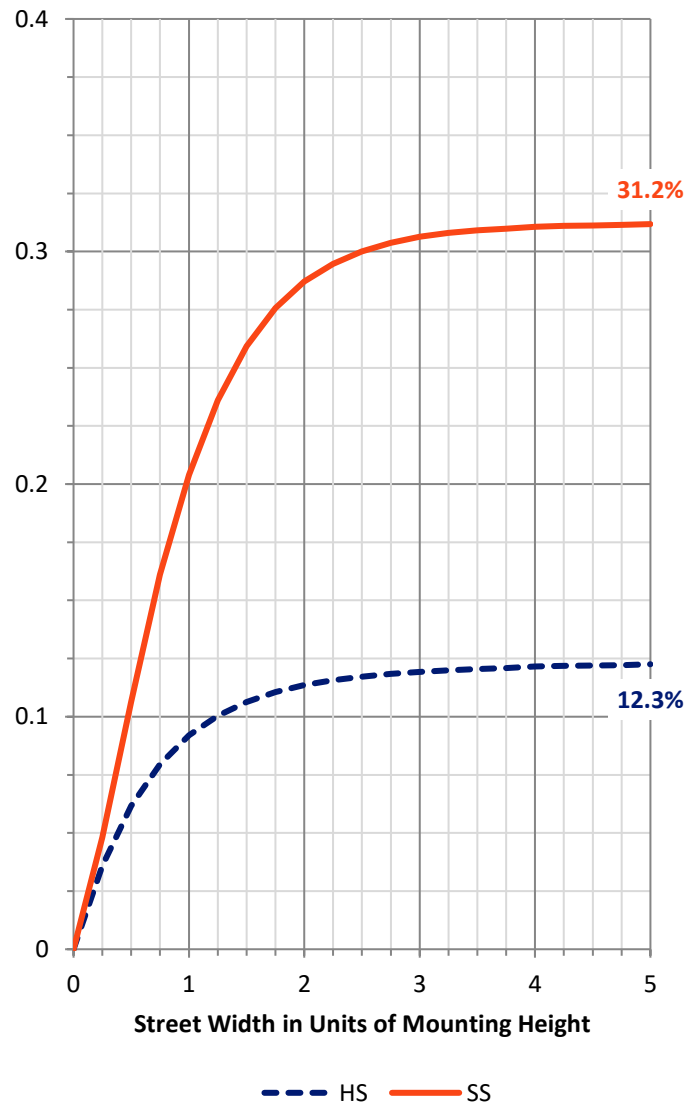
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4734.3	0.0	4734.3
	% Lamp	12.3	0.0	12.3
Street Side	Lumens	11986.4	0.0	11986.4
	% Lamp	31.2	0.0	31.2
Total	Lumens	16720.7	0.0	16720.7
	% Lamp	43.6	0.0	43.6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	272.7	1.6	0.7
10°-20°	918.5	5.5	2.4
20°-30°	1742.4	10.4	4.5
30°-40°	2567.1	15.4	6.7
40°-50°	3128.8	18.7	8.2
50°-60°	3422.5	20.5	8.9
60°-70°	3028.2	18.1	7.9
70°-80°	1500.1	9.0	3.9
80°-90°	140.4	0.8	0.4
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°	16720.7	100.0	43.6
0°-180°	16720.7	100.0	43.6

Coefficient of Utilization



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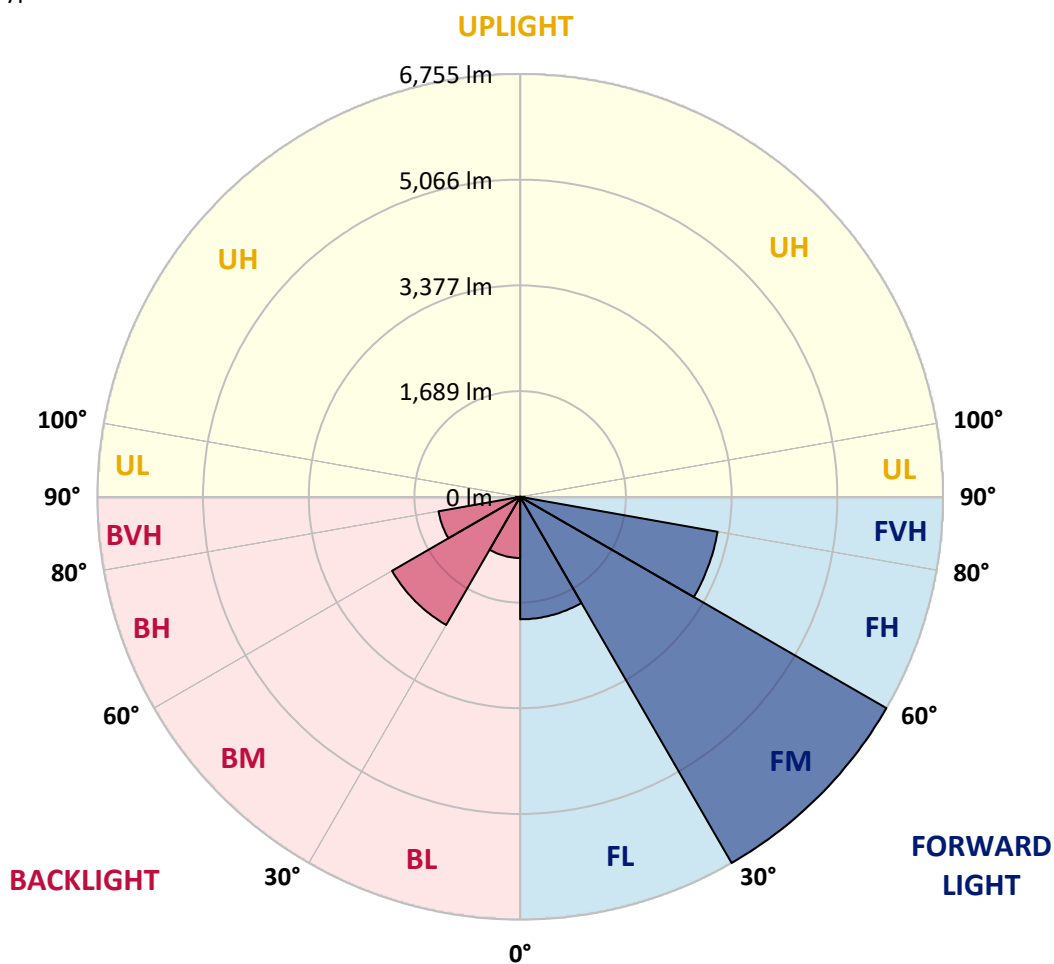
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1956.9	5.1			
FM	(30°-60°)	6754.8	17.6			
FH	(60°-80°)	3203.5	8.3			G2/5000
FVH	(80°-90°)	71.2	0.2			G1/100
BL	(0°-30°)	976.7	2.5	B2/1000		
BM	(30°-60°)	2363.6	6.2	B2/2500		
BH	(60°-80°)	1324.8	3.5	B3/2500		G3/2500
BVH	(80°-90°)	69.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		21655.3	56.4			

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3
1°	2823.4	2822.5	2815.9	2805.9	2792.1	2774.9	2748.3	2730.6	2713.9	2700.8	2691.1
2°	2903.9	2899.3	2883.4	2859.9	2829.2	2794.3	2748.6	2713.1	2681.3	2655.4	2636.4
3°	2991.0	2983.1	2957.2	2919.5	2869.9	2815.5	2751.3	2698.8	2652.6	2614.8	2587.0
4°	3089.2	3075.9	3039.5	2985.1	2916.1	2842.2	2757.5	2688.0	2626.3	2576.4	2541.6
5°	3196.5	3180.0	3129.5	3055.9	2968.0	2872.1	2767.3	2680.6	2603.2	2543.3	2499.4
6°	3314.1	3292.1	3229.1	3135.8	3023.3	2904.2	2777.5	2674.5	2583.2	2512.0	2458.4
7°	3440.4	3414.4	3336.4	3220.1	3082.6	2938.0	2789.7	2669.3	2564.7	2480.9	2420.8
8°	3576.4	3544.3	3451.4	3313.0	3146.1	2974.3	2803.5	2665.6	2547.5	2452.7	2386.7
9°	3722.8	3683.6	3575.7	3410.8	3214.5	3013.8	2819.5	2662.3	2530.2	2427.5	2354.3
10°	3878.6	3833.3	3705.6	3516.0	3286.3	3055.7	2836.0	2660.7	2512.8	2404.3	2323.7
11°	4046.3	3994.6	3848.4	3627.2	3362.9	3101.7	2854.6	2660.7	2497.6	2382.1	2295.3
12°	4226.0	4164.7	3998.3	3743.6	3443.2	3149.4	2868.0	2655.4	2484.8	2359.7	2270.0
13°	4418.9	4346.9	4153.6	3867.8	3530.3	3190.0	2880.9	2648.5	2466.3	2338.9	2245.8
14°	4618.0	4540.0	4318.1	3997.9	3620.7	3233.4	2899.1	2644.8	2449.0	2320.5	2210.5
15°	4825.9	4735.7	4489.1	4132.7	3705.0	3280.7	2919.0	2643.6	2432.5	2296.7	2163.0
16°	5038.0	4937.4	4663.3	4271.0	3794.7	3331.1	2945.4	2649.2	2419.3	2274.8	2140.9
17°	5251.1	5138.3	4841.5	4411.5	3886.0	3386.7	2968.5	2650.5	2410.4	2243.1	2123.9
18°	5457.6	5338.2	5016.3	4552.2	3976.3	3445.5	2994.6	2655.2	2399.1	2207.1	2108.5
19°	5661.1	5533.4	5190.1	4686.4	4073.6	3501.3	3025.3	2667.1	2392.7	2188.2	2095.6
20°	5856.3	5720.4	5358.3	4814.5	4168.4	3561.6	3059.0	2679.8	2390.8	2173.2	2081.8
21°	6041.0	5901.2	5518.6	4946.6	4268.7	3624.3	3093.5	2690.0	2390.6	2160.6	2065.7
22°	6210.5	6071.1	5672.4	5067.7	4361.4	3692.4	3122.0	2689.2	2384.2	2153.0	2047.9
23°	6375.2	6236.2	5824.1	5185.3	4459.0	3761.8	3138.5	2692.1	2371.1	2148.0	2032.4
24°	6527.7	6393.1	5969.6	5300.3	4554.4	3824.7	3160.3	2704.3	2356.1	2137.8	1955.3
25°	6674.1	6539.9	6110.3	5417.5	4646.8	3882.3	3191.8	2710.1	2346.2	2128.8	1896.8
26°	6798.3	6672.8	6248.0	5527.3	4742.2	3932.1	3224.4	2714.0	2335.8	2120.8	1883.9
27°	6907.2	6789.6	6378.7	5635.0	4837.2	3988.6	3245.3	2725.8	2337.2	2110.4	1875.0
28°	7007.0	6894.1	6499.8	5738.7	4931.3	4054.4	3275.8	2738.6	2339.4	2093.8	1865.6
29°	7112.9	6997.8	6607.0	5838.4	5017.1	4127.1	3312.4	2750.3	2337.6	2024.0	1852.7
30°	7237.9	7118.1	6717.3	5941.3	5098.6	4190.2	3352.9	2751.4	2327.1	1978.1	1839.7
31°	7340.3	7226.2	6832.7	6052.8	5166.6	4251.7	3391.3	2755.3	2325.8	1960.7	1831.3
32°	7416.6	7311.1	6939.9	6168.7	5242.8	4313.6	3421.2	2767.6	2327.4	1949.4	1821.1
33°	7442.7	7355.6	7030.5	6278.9	5334.3	4382.7	3448.6	2781.1	2320.1	1944.6	1724.3
34°	7417.9	7344.7	7080.2	6378.3	5427.1	4459.0	3483.8	2788.1	2317.8	1942.8	1704.4
35°	7349.0	7288.5	7073.2	6449.3	5514.7	4536.1	3526.0	2799.5	2319.8	1941.1	1696.2
36°	7260.6	7210.9	7025.3	6491.6	5593.6	4609.3	3567.9	2819.5	2317.5	1934.0	1691.9
37°	7181.7	7125.5	6959.5	6492.4	5641.5	4665.5	3597.8	2830.5	2315.2	1926.4	1694.4
38°	7138.1	7068.9	6894.1	6466.7	5668.1	4714.3	3627.4	2839.8	2306.2	1909.1	1695.8
39°	7112.9	7039.2	6848.8	6435.8	5671.6	4754.0	3670.8	2850.0	2245.5	1843.2	1692.1
40°	7094.1	7019.2	6823.6	6412.7	5658.9	4777.5	3709.7	2858.2	2213.3	1847.2	1672.8
41°	7072.4	7003.1	6807.4	6399.2	5655.9	4791.0	3737.1	2872.2	2223.4	1859.5	1606.3
42°	7044.5	6985.6	6792.6	6388.3	5664.6	4803.2	3753.8	2876.3	2237.1	1863.6	1608.9
43°	7009.2	6964.3	6776.9	6383.9	5676.4	4818.5	3762.9	2886.2	2239.6	1862.9	1606.0
44°	6966.0	6938.2	6758.6	6384.8	5691.6	4831.5	3767.1	2890.3	2232.4	1870.0	1590.3

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CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	6914.2	6905.0	6735.1	6383.9	5709.5	4850.7	3776.1	2906.9	2240.8	1876.3	1579.5
46°	6857.1	6864.1	6707.7	6376.5	5723.4	4876.4	3788.3	2906.1	2252.3	1858.1	1527.3
47°	6797.0	6821.4	6675.9	6366.1	5734.7	4904.3	3792.9	2874.7	2250.9	1781.1	1466.6
48°	6734.7	6774.8	6640.1	6357.4	5746.5	4928.7	3812.7	2873.7	2258.3	1772.1	1466.1
49°	6672.8	6724.7	6598.3	6343.4	5760.0	4947.4	3835.1	2886.6	2223.7	1776.6	1461.0
50°	6607.0	6672.4	6553.0	6319.9	5766.1	4963.5	3855.5	2900.4	2179.3	1774.8	1454.3
51°	6532.5	6611.8	6502.0	6292.0	5774.0	4977.9	3872.8	2901.5	2180.9	1765.3	1374.2
52°	6448.0	6542.1	6445.4	6260.6	5783.5	4985.3	3879.0	2908.8	2171.0	1725.0	1356.4
53°	6354.3	6462.8	6384.4	6227.5	5786.6	4987.5	3854.6	2921.7	2184.8	1673.5	1362.0
54°	6247.1	6366.5	6317.7	6189.2	5780.1	4991.4	3827.7	2908.2	2191.4	1676.5	1365.5
55°	6125.1	6254.5	6246.7	6143.0	5763.9	4987.5	3818.3	2905.5	2191.3	1674.5	1315.9
56°	5983.5	6124.3	6164.8	6090.3	5742.1	4975.7	3812.9	2898.9	2181.4	1663.1	1278.4
57°	5824.1	5976.1	6069.8	6032.8	5716.9	4964.4	3804.9	2893.0	2151.6	1585.8	1279.2
58°	5644.5	5808.8	5958.7	5970.5	5684.6	4957.9	3780.1	2865.8	2136.7	1599.9	1249.8
59°	5448.5	5624.5	5838.9	5899.0	5649.3	4946.6	3759.2	2838.0	2137.5	1620.3	1188.9
60°	5222.8	5421.5	5699.9	5817.5	5604.9	4928.7	3733.9	2828.0	2136.3	1637.0	1191.8
61°	4939.6	5184.0	5546.5	5720.4	5548.3	4898.6	3703.9	2802.3	2127.3	1582.4	1132.6
62°	4603.2	4904.3	5370.9	5607.5	5484.2	4857.7	3654.7	2777.0	2102.2	1576.7	1120.6
63°	4221.4	4585.4	5173.6	5477.2	5409.3	4793.6	3599.5	2743.0	2105.1	1582.9	1096.1
64°	3831.8	4245.0	4948.3	5334.3	5321.3	4708.2	3531.7	2699.0	2091.7	1552.1	1050.3
65°	3477.3	3908.6	4702.1	5176.2	5223.2	4606.7	3466.4	2671.1	2044.1	1555.5	1012.5
66°	3170.0	3580.7	4439.0	4993.6	5109.1	4515.6	3381.8	2624.7	2039.1	1528.8	995.5
67°	2928.3	3282.7	4171.5	4794.5	4979.2	4412.8	3284.0	2568.0	2056.8	1525.2	940.2
68°	2734.1	3023.5	3903.4	4569.7	4828.9	4288.7	3139.9	2497.5	2074.5	1528.1	899.9
69°	2540.9	2800.5	3631.2	4326.7	4649.4	4139.8	2997.0	2411.7	2055.4	1522.2	859.6
70°	2240.0	2570.7	3362.6	4074.6	4445.9	3949.3	2776.9	2288.2	2008.4	1528.6	819.8
71°	1762.2	2271.8	3100.7	3818.0	4224.7	3703.2	2486.3	2119.0	1971.8	1525.4	805.7
72°	1197.9	1858.3	2836.9	3562.4	3985.9	3429.1	2201.4	1940.4	1931.8	1559.3	800.2
73°	700.2	1356.7	2550.7	3302.6	3726.2	3097.2	1934.9	1782.8	1851.8	1544.9	775.6
74°	395.4	868.1	2237.2	3037.8	3433.0	2736.6	1689.1	1651.9	1768.9	1540.8	779.0
75°	329.8	510.3	1887.6	2747.8	3109.9	2346.1	1396.0	1515.5	1694.2	1527.8	763.0
76°	272.6	413.9	1498.4	2414.0	2738.8	1930.7	981.8	1319.9	1631.4	1490.9	724.8
77°	215.3	319.1	1130.0	1998.2	2321.4	1432.2	568.6	987.5	1573.2	1414.4	667.1
78°	192.4	224.4	846.8	1487.1	1852.0	912.7	262.9	655.2	1525.1	1290.3	590.7
79°	176.9	197.9	619.4	947.4	1380.7	478.0	131.2	324.2	1382.8	1079.0	512.0
80°	163.0	177.7	446.2	513.0	925.2	360.6	112.9	241.4	1025.4	867.6	450.0
81°	150.0	159.8	357.0	399.5	523.3	244.1	94.7	158.7	668.1	657.5	459.7
82°	137.5	144.4	269.0	296.8	388.2	127.6	76.4	77.1	313.2	538.6	431.8
83°	124.8	131.0	180.9	194.1	256.5	105.6	65.3	61.2	235.3	459.5	345.7
84°	111.7	117.0	152.8	170.4	124.9	90.1	54.5	48.0	157.4	363.6	237.9
85°	98.6	102.9	121.8	148.5	98.3	74.4	44.0	37.2	79.8	258.8	157.2
86°	85.0	89.2	95.6	126.6	78.7	58.4	33.8	28.2	67.0	207.5	111.6
87°	70.9	76.2	78.9	102.0	61.8	43.9	24.1	20.7	52.4	156.1	66.2
88°	58.1	63.1	63.2	73.0	47.1	33.0	17.0	14.8	34.2	104.7	40.3
89°	47.9	50.0	47.8	43.0	36.2	22.2	9.9	8.8	23.6	53.3	27.5

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CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039
CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3	2752.3
1°	2685.9	2685.0	2689.6	2698.7	2710.8	2726.9	2743.8	2754.1	2770.6	2786.8	2801.2
2°	2625.9	2623.3	2630.5	2646.3	2668.7	2698.1	2731.0	2760.1	2794.1	2828.4	2858.7
3°	2570.9	2566.8	2575.5	2596.8	2629.1	2671.3	2720.5	2767.3	2820.0	2872.7	2921.0
4°	2520.5	2514.8	2526.0	2551.4	2592.6	2647.0	2711.1	2777.5	2849.2	2921.4	2988.1
5°	2472.8	2465.8	2478.6	2509.6	2558.8	2624.7	2703.7	2788.3	2879.1	2974.2	3062.2
6°	2427.4	2419.2	2433.0	2468.0	2526.3	2603.5	2697.9	2801.1	2911.6	3029.4	3141.4
7°	2384.8	2375.7	2390.8	2430.1	2493.7	2583.9	2693.0	2815.1	2946.8	3089.4	3225.5
8°	2345.9	2334.5	2351.3	2396.1	2465.0	2564.5	2688.8	2829.5	2984.1	3152.8	3315.2
9°	2307.7	2293.9	2312.7	2362.5	2439.3	2545.2	2684.7	2845.5	3023.1	3220.0	3412.2
10°	2271.5	2256.7	2276.8	2329.9	2414.7	2526.8	2682.7	2862.9	3064.7	3290.7	3514.9
11°	2239.7	2223.3	2243.0	2300.1	2390.7	2511.3	2682.2	2884.0	3109.5	3366.5	3624.8
12°	2211.2	2187.3	2212.1	2272.6	2368.1	2499.1	2675.7	2897.5	3157.1	3446.1	3740.4
13°	2158.0	2121.9	2159.4	2246.4	2345.7	2479.8	2672.1	2914.6	3197.6	3532.3	3864.0
14°	2116.0	2094.3	2116.4	2211.5	2326.2	2463.4	2668.4	2930.0	3241.3	3619.4	3992.3
15°	2094.0	2070.4	2092.8	2160.4	2302.3	2448.5	2668.6	2951.4	3286.8	3703.0	4129.2
16°	2073.1	2048.3	2071.3	2139.2	2281.7	2437.7	2670.8	2978.0	3337.4	3792.0	4268.8
17°	2054.8	2027.8	2053.0	2121.9	2255.3	2426.4	2675.1	3001.9	3396.4	3883.6	4414.1
18°	2035.0	2004.7	2032.8	2106.8	2220.3	2418.2	2682.6	3029.3	3449.1	3980.5	4553.5
19°	2015.1	1982.8	2013.6	2095.0	2197.7	2416.1	2695.4	3063.7	3508.7	4078.2	4689.9
20°	1995.1	1958.7	1995.3	2081.3	2183.8	2417.2	2708.8	3099.7	3568.7	4181.3	4826.3
21°	1972.5	1875.8	1975.0	2064.8	2174.8	2417.3	2718.0	3131.9	3636.5	4281.7	4955.7
22°	1870.9	1814.9	1879.3	2049.3	2169.4	2412.2	2720.8	3160.5	3706.2	4382.7	5079.4
23°	1831.4	1798.0	1839.6	2037.2	2164.5	2403.5	2729.7	3181.3	3773.9	4484.3	5202.7
24°	1816.8	1786.2	1826.9	1960.6	2155.3	2395.1	2746.0	3208.2	3836.7	4584.0	5324.3
25°	1807.6	1776.5	1818.0	1909.2	2146.4	2388.0	2752.9	3245.0	3892.5	4684.7	5437.2
26°	1798.9	1766.2	1810.4	1901.2	2141.1	2376.5	2762.5	3276.7	3950.1	4784.0	5552.2
27°	1789.5	1758.6	1802.2	1894.3	2129.3	2381.4	2778.1	3304.3	4014.3	4882.9	5663.3
28°	1782.6	1749.5	1796.0	1884.3	2115.1	2385.0	2793.6	3339.5	4088.1	4975.3	5775.7
29°	1774.4	1672.7	1788.6	1872.4	2047.7	2378.6	2803.6	3381.4	4162.5	5065.5	5884.6
30°	1686.4	1641.1	1699.2	1862.2	2003.3	2369.8	2806.2	3424.2	4225.9	5149.2	5995.3
31°	1661.0	1637.7	1674.7	1853.4	1985.7	2369.7	2817.4	3463.5	4299.5	5232.4	6113.4
32°	1656.5	1637.9	1670.3	1842.8	1977.8	2371.7	2834.3	3495.7	4379.3	5322.1	6221.4
33°	1653.7	1637.2	1668.0	1746.0	1975.5	2363.5	2852.8	3536.5	4466.0	5412.3	6326.9
34°	1650.4	1633.8	1664.3	1726.5	1974.3	2362.8	2860.6	3584.8	4543.5	5503.4	6415.3
35°	1644.7	1630.5	1658.5	1718.2	1972.4	2362.9	2877.8	3632.4	4611.9	5588.8	6474.1
36°	1638.2	1568.5	1651.3	1715.1	1964.2	2360.2	2898.3	3678.2	4671.6	5646.3	6495.0
37°	1573.6	1524.3	1578.3	1717.8	1957.4	2356.3	2911.5	3709.4	4720.9	5677.7	6487.6
38°	1521.4	1525.3	1534.6	1718.1	1937.1	2348.4	2922.8	3742.8	4758.8	5685.5	6457.6
39°	1517.9	1529.7	1530.5	1717.6	1873.5	2290.1	2925.8	3778.4	4784.9	5678.5	6423.2
40°	1517.0	1531.6	1527.7	1693.8	1884.1	2260.3	2929.2	3801.8	4800.6	5674.6	6399.2
41°	1509.1	1524.5	1518.4	1633.8	1897.3	2269.5	2932.4	3818.6	4808.4	5678.5	6385.2
42°	1492.5	1440.3	1501.8	1636.2	1896.3	2281.2	2936.6	3833.6	4822.4	5686.8	6382.6
43°	1409.5	1411.6	1420.5	1629.7	1898.3	2273.9	2945.7	3846.1	4837.2	5698.6	6388.3
44°	1376.7	1409.4	1391.3	1614.2	1904.3	2269.5	2954.8	3855.0	4857.7	5712.1	6390.9

REPORT NUMBER: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1374.0	1404.6	1389.0	1603.9	1910.4	2278.2	2970.6	3869.7	4881.6	5725.2	6389.2
46°	1369.2	1395.8	1382.8	1540.1	1882.6	2292.9	2959.3	3879.5	4906.5	5742.1	6387.4
47°	1356.5	1275.0	1372.5	1496.8	1813.0	2295.2	2930.8	3888.4	4927.4	5761.3	6381.8
48°	1251.6	1263.5	1268.9	1496.6	1807.6	2303.4	2935.7	3908.8	4945.2	5776.6	6370.9
49°	1245.6	1254.3	1266.7	1488.6	1812.4	2258.9	2949.9	3927.0	4964.0	5788.3	6351.3
50°	1244.6	1245.2	1267.0	1484.6	1807.9	2230.1	2961.2	3942.5	4980.5	5800.1	6326.0
51°	1243.2	1146.3	1267.2	1400.3	1800.3	2232.5	2962.8	3954.6	4989.3	5806.2	6299.8
52°	1167.6	1111.1	1186.6	1388.9	1739.8	2227.8	2969.7	3953.5	4992.3	5807.1	6272.0
53°	1144.0	1104.0	1166.5	1395.7	1712.2	2242.8	2978.2	3920.7	4995.8	5801.0	6238.0
54°	1137.2	1089.6	1159.3	1401.9	1716.5	2244.4	2967.0	3890.8	4990.6	5785.7	6198.8
55°	1122.4	973.8	1138.7	1339.9	1716.2	2245.0	2964.4	3879.7	4977.1	5764.8	6157.4
56°	1028.2	973.1	1050.4	1315.4	1704.3	2241.8	2954.2	3872.2	4961.4	5742.6	6108.1
57°	1030.0	916.5	1053.6	1315.9	1636.4	2203.1	2946.9	3861.2	4950.0	5713.8	6048.0
58°	965.7	860.6	983.3	1273.2	1654.8	2197.7	2906.5	3833.5	4935.7	5678.5	5975.7
59°	928.0	862.9	952.8	1231.8	1677.5	2197.9	2890.2	3806.9	4916.5	5637.1	5892.5
60°	895.8	737.9	921.8	1239.2	1692.4	2194.8	2866.5	3772.7	4886.9	5585.7	5801.0
61°	863.6	739.5	890.8	1174.3	1639.9	2178.9	2836.8	3744.3	4849.0	5527.8	5701.6
62°	829.1	626.8	858.3	1169.0	1637.5	2152.8	2803.5	3696.7	4786.2	5457.2	5591.0
63°	721.3	622.4	749.3	1136.2	1633.5	2151.0	2764.3	3639.4	4705.2	5374.4	5464.2
64°	714.3	486.3	734.5	1101.2	1613.4	2130.0	2721.8	3567.7	4606.3	5279.9	5318.2
65°	605.9	430.9	629.7	1057.5	1619.7	2077.1	2679.1	3496.2	4513.5	5172.2	5151.3
66°	526.5	348.7	542.6	1050.3	1593.2	2085.0	2626.8	3392.1	4409.3	5050.7	4968.3
67°	479.1	232.2	474.1	995.2	1588.9	2098.0	2559.5	3279.2	4288.2	4914.3	4765.3
68°	379.0	115.8	391.1	950.3	1584.5	2105.5	2475.1	3111.0	4149.4	4756.1	4552.7
69°	252.0	0.3	263.2	905.5	1578.8	2061.5	2376.4	2926.9	3976.4	4577.5	4323.1
70°	244.1	0.2	253.2	861.6	1586.4	2003.7	2224.8	2658.5	3766.5	4373.6	4073.4
71°	243.6	0.2	244.3	849.1	1578.9	1949.5	2029.9	2346.7	3494.0	4150.0	3804.8
72°	231.8	0.2	226.1	838.5	1609.4	1893.9	1847.5	2060.2	3200.8	3908.0	3540.8
73°	208.4	0.2	193.3	805.9	1583.5	1805.3	1708.7	1802.1	2845.1	3631.1	3270.6
74°	179.5	0.2	153.3	793.5	1547.1	1724.0	1586.0	1529.3	2466.1	3312.5	2995.6
75°	144.0	0.2	126.7	761.0	1509.7	1661.8	1398.3	1161.3	2071.1	2952.3	2692.4
76°	108.2	0.2	117.1	712.0	1429.7	1603.0	1059.7	718.5	1634.2	2560.2	2357.2
77°	82.3	0.2	130.4	647.9	1312.3	1541.4	721.0	346.4	1127.9	2127.0	1930.6
78°	88.9	0.3	149.0	572.5	1162.1	1410.7	386.1	227.4	639.8	1659.6	1384.3
79°	122.9	0.3	120.1	510.4	981.8	1065.5	161.5	114.9	470.3	1204.7	839.5
80°	128.9	0.4	91.3	477.3	801.5	720.3	120.7	97.4	304.4	779.0	428.1
81°	103.4	0.4	62.4	446.5	623.6	375.3	80.7	84.8	138.5	425.5	343.4
82°	77.8	0.5	33.1	380.8	521.0	277.2	64.8	73.2	115.1	316.8	267.8
83°	52.3	0.5	17.5	245.9	403.5	179.1	52.6	62.2	99.0	216.3	192.1
84°	30.4	0.6	13.9	177.4	264.4	81.6	42.7	51.5	84.2	115.8	168.7
85°	18.5	0.7	10.3	108.8	189.0	67.6	33.7	41.1	69.2	91.1	146.8
86°	14.2	0.8	6.8	42.0	113.5	54.1	25.7	30.8	54.0	72.4	124.3
87°	10.0	0.9	5.8	24.6	38.7	40.1	18.7	20.6	40.5	56.5	98.8
88°	5.8	1.0	4.7	17.0	26.6	27.5	13.2	12.1	29.3	42.7	67.3
89°	3.6	1.2	3.2	9.5	14.4	15.0	7.7	5.3	18.2	33.2	38.0

REPORT NUMBER: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039
CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2752.3	2752.3	2752.3
1°	2813.0	2819.8	2823.4
2°	2883.1	2898.3	2903.9
3°	2958.9	2983.4	2991.0
4°	3042.4	3078.0	3089.2
5°	3134.1	3181.2	3196.5
6°	3232.7	3294.6	3314.1
7°	3340.4	3415.3	3440.4
8°	3452.8	3545.1	3576.4
9°	3576.3	3684.6	3722.8
10°	3705.8	3834.3	3878.6
11°	3845.2	3994.8	4046.3
12°	3992.7	4163.8	4226.0
13°	4149.7	4346.1	4418.9
14°	4313.2	4537.0	4618.0
15°	4485.1	4733.9	4825.9
16°	4661.6	4937.0	5038.0
17°	4845.9	5143.5	5251.1
18°	5025.0	5347.8	5457.6
19°	5200.1	5542.6	5661.1
20°	5370.9	5730.4	5856.3
21°	5536.1	5909.5	6041.0
22°	5690.3	6075.5	6210.5
23°	5839.7	6239.7	6375.2
24°	5983.5	6399.2	6527.7
25°	6126.4	6548.6	6674.1
26°	6268.0	6687.6	6798.3
27°	6401.4	6806.1	6907.2
28°	6519.0	6909.0	7007.0
29°	6627.9	7013.5	7112.9
30°	6738.6	7131.2	7237.9
31°	6854.1	7239.2	7340.3
32°	6956.5	7317.2	7416.6
33°	7025.3	7353.8	7442.7
34°	7056.2	7344.7	7417.9
35°	7044.0	7288.5	7349.0
36°	7004.8	7207.4	7260.6
37°	6941.6	7123.8	7181.7
38°	6882.4	7069.7	7138.1
39°	6843.6	7039.2	7112.9
40°	6819.2	7022.2	7094.1
41°	6803.5	7007.9	7072.4
42°	6786.5	6991.3	7044.5
43°	6769.5	6972.6	7009.2
44°	6752.5	6947.7	6966.0

REPORT NUMBER: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	6732.1	6913.8	6914.2
46°	6709.0	6871.5	6857.1
47°	6683.3	6825.3	6797.0
48°	6651.9	6775.2	6734.7
49°	6611.4	6724.7	6672.8
50°	6562.6	6672.4	6607.0
51°	6509.4	6614.4	6532.5
52°	6449.7	6547.3	6448.0
53°	6387.9	6465.9	6354.3
54°	6323.4	6369.6	6247.1
55°	6255.0	6255.8	6125.1
56°	6174.8	6126.4	5983.5
57°	6080.7	5982.2	5824.1
58°	5967.0	5811.4	5644.5
59°	5841.5	5626.3	5448.5
60°	5700.8	5425.4	5222.8
61°	5540.4	5197.5	4939.6
62°	5363.1	4921.7	4603.2
63°	5167.0	4603.2	4221.4
64°	4954.8	4256.2	3831.8
65°	4715.2	3912.8	3477.3
66°	4456.4	3592.9	3170.0
67°	4189.0	3305.9	2928.3
68°	3913.3	3045.3	2734.1
69°	3652.0	2812.7	2540.9
70°	3402.9	2583.0	2240.0
71°	3144.4	2299.5	1762.2
72°	2862.4	1903.9	1197.9
73°	2579.8	1405.1	700.2
74°	2282.3	931.3	395.4
75°	1905.6	566.7	329.8
76°	1500.6	454.9	272.6
77°	1147.6	344.1	215.3
78°	867.1	233.2	192.4
79°	640.4	201.9	176.9
80°	432.3	180.3	163.0
81°	348.1	161.8	150.0
82°	264.9	146.4	137.5
83°	181.7	134.0	124.8
84°	152.1	119.5	111.7
85°	120.4	104.0	98.6
86°	96.2	89.8	85.0
87°	78.6	76.2	70.9
88°	62.3	62.9	58.1
89°	46.3	49.7	47.9

REPORT NUMBER: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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

REPORT NUMBER: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445039

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)