

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: P1445065

Luminaire Tested: XAS300-SFPM (4000K-120W-T4-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445065
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-120W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 17710.7 lumens
Efficiency: 45.8%
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 120.4
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

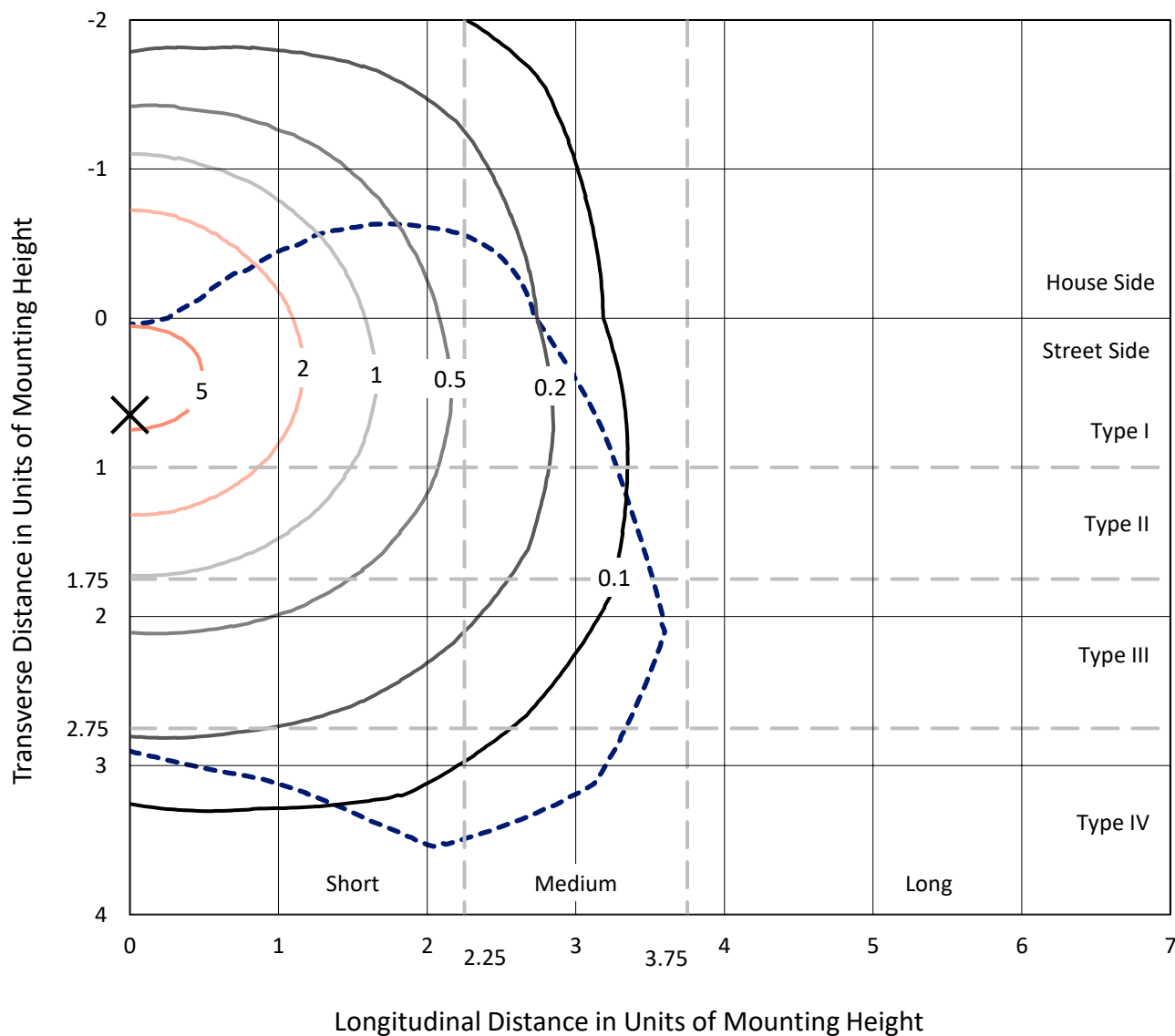
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

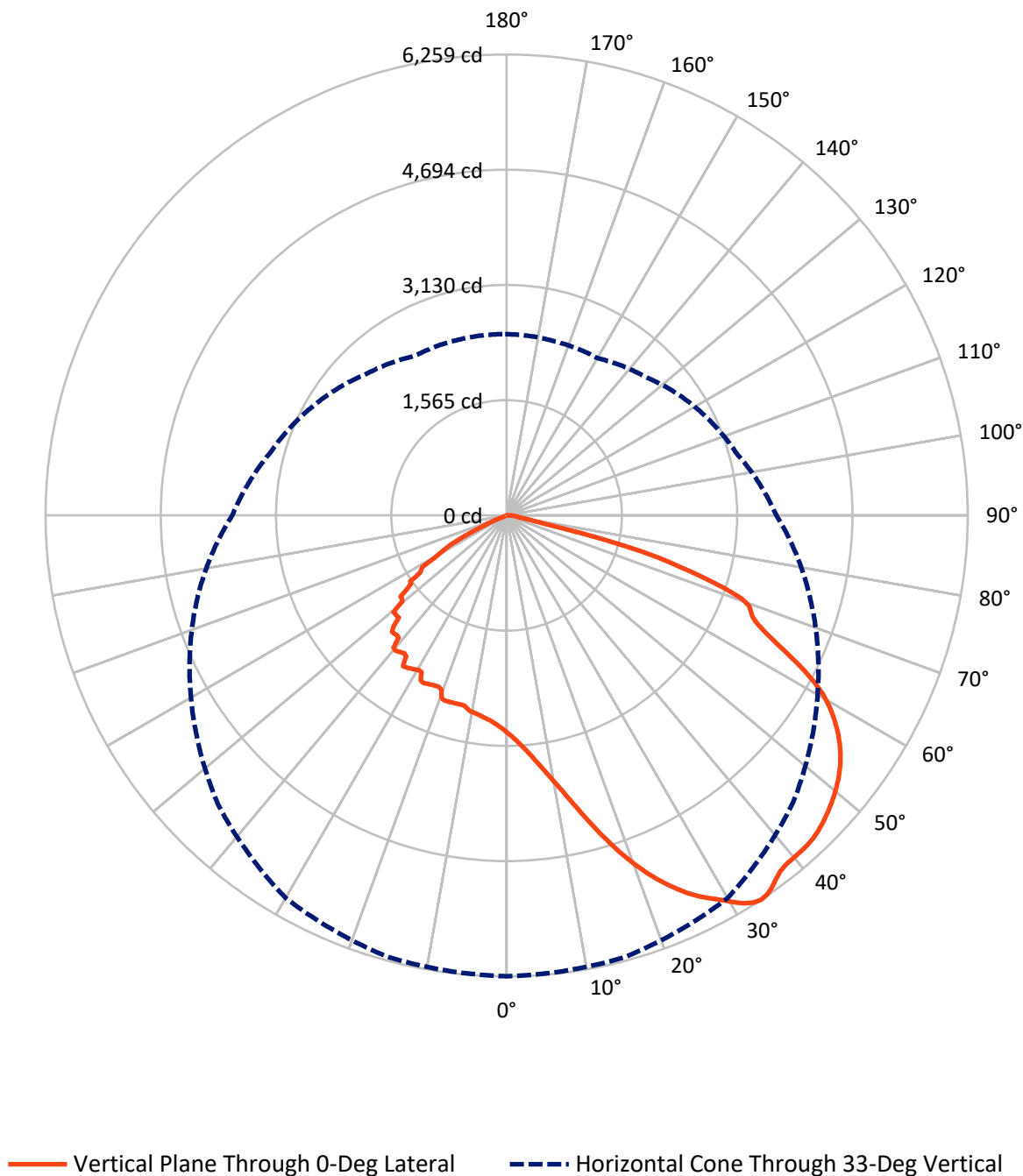


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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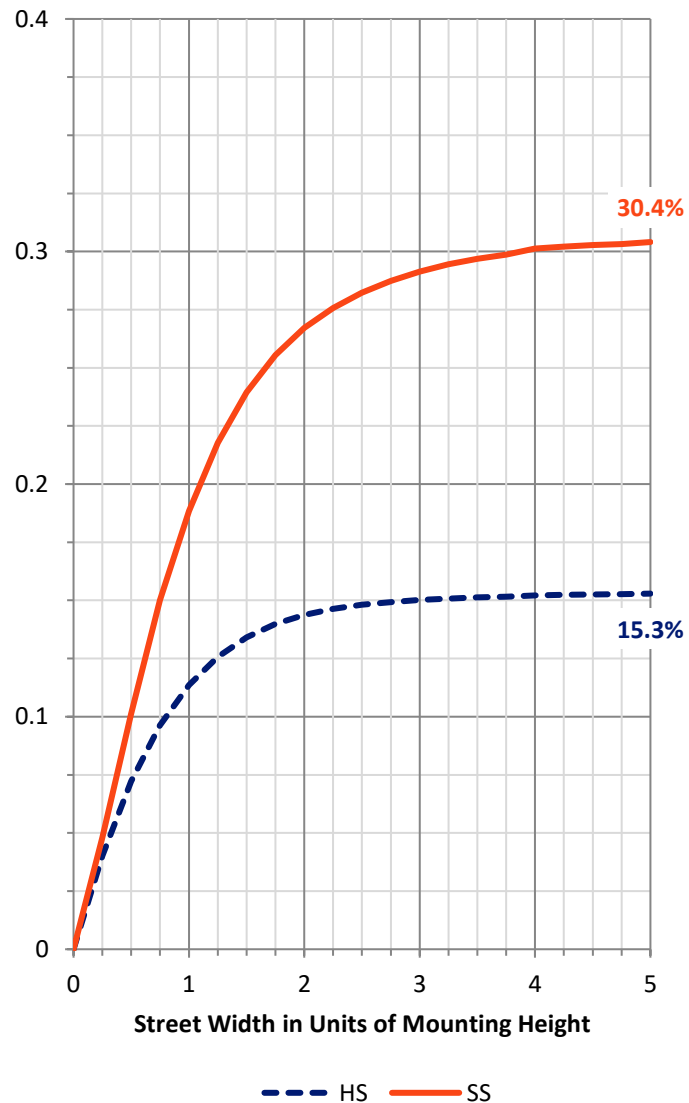
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5947.3	0.0	5947.3
	% Lamp	15.4	0.0	15.4
Street Side	Lumens	11763.5	0.0	11763.5
	% Lamp	30.4	0.0	30.4
Total	Lumens	17710.7	0.0	17710.7
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	291.3	1.6	0.8
10°-20°	954.7	5.4	2.5
20°-30°	1759.1	9.9	4.5
30°-40°	2565.3	14.5	6.6
40°-50°	3166.3	17.9	8.2
50°-60°	3536.3	20.0	9.1
60°-70°	3312.3	18.7	8.6
70°-80°	1964.3	11.1	5.1
80°-90°	161.3	0.9	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°	17710.7	100.0	45.8
0°-180°	17710.7	100.0	45.8

Coefficient of Utilization



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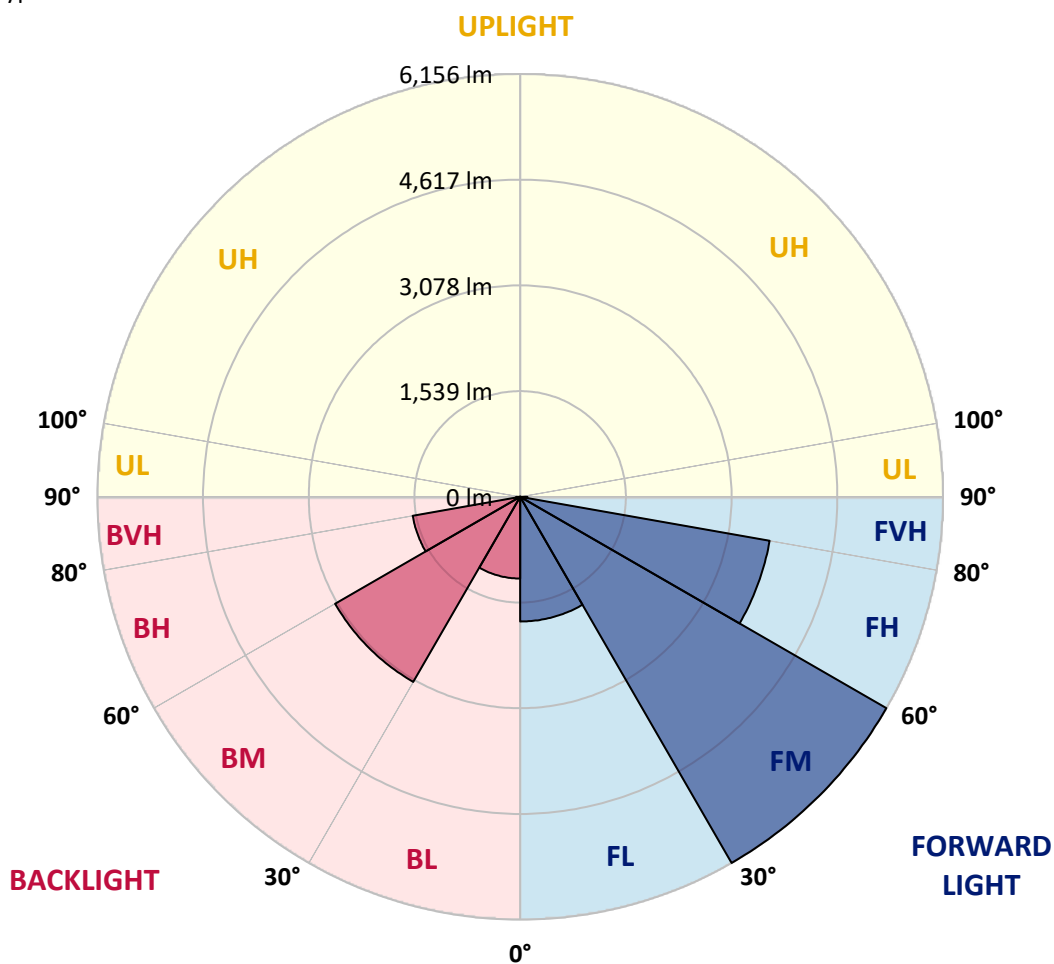
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1815.1	4.7			
FM	(30°-60°)	6156.0	15.9			
FH	(60°-80°)	3687.7	9.5			G2/5000
FVH	(80°-90°)	104.6	0.3			G2/225
BL	(0°-30°)	1189.9	3.1	B3/2500		
BM	(30°-60°)	3111.9	8.0	B3/5000		
BH	(60°-80°)	1588.9	4.1	B3/2500		G3/2500
BVH	(80°-90°)	56.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		20984.3	54.2			

BUG Rating: B3-U0-G3

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7
1°	3008.9	3009.1	3005.4	2999.7	2991.7	2980.7	2959.3	2948.2	2937.8	2930.2	2924.1
2°	3061.4	3059.4	3049.3	3034.2	3016.0	2993.7	2960.6	2938.4	2918.4	2902.3	2890.4
3°	3118.8	3114.6	3098.3	3074.3	3043.5	3009.2	2964.3	2931.2	2902.1	2878.0	2861.7
4°	3183.8	3176.3	3153.3	3119.1	3075.5	3028.7	2971.1	2927.0	2887.8	2857.1	2836.3
5°	3255.1	3244.5	3212.9	3167.3	3111.7	3051.1	2981.3	2925.7	2877.4	2839.9	2814.5
6°	3332.3	3318.4	3279.4	3221.6	3151.1	3074.9	2992.1	2926.3	2869.0	2824.9	2794.0
7°	3417.3	3400.9	3351.6	3280.5	3192.9	3100.3	3003.8	2927.4	2862.5	2811.8	2778.3
8°	3506.8	3486.9	3429.7	3343.6	3238.1	3128.3	3017.6	2930.1	2857.1	2801.7	2766.5
9°	3606.0	3581.2	3514.0	3411.1	3286.9	3158.8	3033.2	2933.6	2852.2	2795.5	2756.2
10°	3713.0	3683.9	3603.6	3483.3	3338.8	3190.9	3049.1	2937.9	2847.9	2790.5	2747.9
11°	3826.6	3793.0	3701.3	3561.7	3393.7	3225.6	3067.3	2943.9	2846.5	2786.6	2740.9
12°	3949.0	3910.0	3803.9	3643.9	3451.3	3262.2	3079.8	2944.6	2848.1	2783.5	2737.0
13°	4083.5	4036.5	3913.5	3731.8	3513.2	3292.9	3093.7	2946.2	2842.6	2781.6	2733.1
14°	4224.1	4169.4	4027.2	3823.0	3578.8	3326.2	3110.5	2948.4	2839.3	2782.0	2703.6
15°	4369.4	4309.1	4147.5	3916.3	3639.3	3361.7	3129.5	2955.1	2836.3	2775.9	2685.3
16°	4518.2	4448.0	4270.7	4014.8	3704.5	3401.2	3155.4	2967.1	2837.4	2766.3	2685.8
17°	4665.8	4591.2	4395.1	4115.4	3771.5	3444.9	3178.6	2975.8	2841.4	2743.7	2689.4
18°	4811.8	4730.8	4520.1	4217.9	3837.3	3492.1	3204.8	2988.4	2844.8	2730.2	2694.4
19°	4955.1	4867.7	4644.3	4318.2	3909.1	3537.1	3236.1	3007.4	2852.4	2729.9	2701.8
20°	5093.8	5002.2	4764.7	4408.6	3980.5	3585.1	3269.9	3028.2	2865.0	2732.2	2708.1
21°	5223.8	5130.9	4881.4	4506.5	4056.6	3638.1	3303.3	3044.9	2877.0	2736.4	2708.8
22°	5346.9	5252.6	4993.6	4594.9	4127.0	3694.5	3331.4	3051.2	2880.4	2747.4	2708.3
23°	5463.6	5371.2	5103.9	4681.9	4201.2	3752.2	3348.6	3062.5	2869.2	2757.8	2685.9
24°	5574.8	5482.8	5210.5	4768.4	4274.4	3804.1	3371.4	3083.0	2872.5	2762.9	2596.4
25°	5678.7	5592.2	5314.4	4855.3	4346.8	3851.2	3403.2	3095.1	2875.4	2768.4	2565.2
26°	5770.3	5687.9	5415.6	4938.2	4420.9	3891.4	3434.4	3107.8	2879.0	2777.3	2569.9
27°	5850.4	5774.9	5511.7	5019.2	4494.5	3937.5	3457.3	3129.0	2894.9	2778.5	2577.3
28°	5927.7	5853.1	5602.3	5098.8	4566.7	3991.9	3488.3	3150.6	2910.7	2725.8	2582.2
29°	6005.5	5932.3	5684.2	5173.4	4632.4	4050.3	3527.8	3168.2	2917.0	2675.6	2586.0
30°	6099.8	6022.5	5765.7	5250.3	4695.1	4100.9	3568.0	3178.7	2920.7	2651.8	2591.1
31°	6177.2	6105.3	5850.8	5334.1	4745.5	4150.5	3604.2	3193.2	2933.3	2646.7	2598.6
32°	6235.8	6170.8	5930.5	5421.5	4804.1	4202.1	3633.6	3214.8	2947.9	2649.7	2537.1
33°	6259.1	6208.8	5999.6	5503.9	4873.6	4259.6	3662.7	3234.9	2950.1	2660.1	2466.3
34°	6246.3	6204.6	6039.9	5579.4	4946.9	4320.9	3699.3	3247.1	2959.6	2671.9	2460.9
35°	6203.7	6169.4	6039.4	5635.7	5016.4	4383.2	3741.1	3265.4	2968.0	2680.2	2464.6
36°	6146.5	6118.1	6009.2	5671.4	5078.2	4441.0	3781.9	3287.7	2974.3	2682.3	2473.2
37°	6096.2	6060.5	5965.7	5677.8	5119.0	4485.3	3812.4	3304.3	2970.1	2679.5	2488.4
38°	6074.2	6023.8	5924.5	5665.5	5144.1	4526.3	3844.9	3319.5	2920.2	2611.6	2495.4
39°	6067.3	6006.5	5897.1	5648.5	5152.4	4561.9	3888.4	3333.8	2882.9	2574.5	2498.2
40°	6065.5	5997.3	5884.2	5638.0	5151.5	4587.6	3929.7	3348.8	2871.6	2591.2	2411.5
41°	6063.7	5992.3	5877.8	5634.3	5158.8	4607.2	3961.2	3359.4	2891.0	2608.6	2374.8
42°	6057.7	5987.2	5874.2	5633.4	5174.8	4626.9	3983.6	3365.3	2910.3	2608.5	2386.7
43°	6044.4	5981.3	5871.4	5638.0	5193.6	4644.3	3999.3	3384.7	2903.6	2614.5	2383.5
44°	6024.8	5972.1	5866.4	5646.7	5214.2	4662.6	4012.3	3403.7	2904.5	2630.8	2380.9

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CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	5996.8	5957.5	5858.6	5655.4	5233.4	4686.9	4028.1	3427.8	2920.9	2642.4	2380.2
46°	5964.8	5938.7	5848.5	5660.9	5252.6	4716.2	4044.0	3419.8	2939.1	2567.3	2264.2
47°	5927.7	5918.1	5836.6	5665.0	5271.8	4746.8	4056.1	3398.6	2943.0	2514.3	2234.0
48°	5889.3	5893.9	5823.4	5670.0	5290.6	4775.7	4078.9	3408.8	2940.7	2518.7	2242.5
49°	5848.1	5869.1	5806.4	5671.9	5312.6	4802.7	4104.9	3429.7	2887.0	2534.7	2242.3
50°	5803.2	5843.5	5786.8	5667.3	5329.0	4826.9	4128.2	3444.4	2861.2	2533.8	2228.4
51°	5753.8	5812.4	5763.0	5658.6	5348.3	4847.5	4146.8	3448.8	2865.9	2529.8	2102.5
52°	5697.0	5776.2	5736.4	5650.8	5369.3	4866.8	4145.4	3462.2	2866.5	2439.3	2100.4
53°	5635.7	5732.7	5706.2	5642.1	5387.2	4880.5	4123.9	3468.8	2887.4	2413.1	2115.9
54°	5567.1	5679.7	5675.5	5631.1	5396.3	4893.3	4101.1	3460.9	2886.9	2418.2	2128.0
55°	5489.2	5617.9	5640.3	5617.4	5399.5	4901.1	4097.8	3456.1	2882.7	2415.5	2004.8
56°	5399.5	5544.2	5598.2	5598.2	5399.5	4904.3	4098.7	3445.1	2859.7	2370.9	1977.7
57°	5301.6	5460.4	5548.3	5576.2	5398.2	4909.3	4094.1	3435.5	2816.6	2298.0	1978.8
58°	5192.2	5363.4	5488.3	5551.5	5392.2	4916.7	4076.4	3399.0	2807.7	2320.8	1884.1
59°	5073.2	5254.0	5422.9	5522.2	5383.5	4919.9	4058.5	3382.1	2801.6	2347.2	1828.9
60°	4934.1	5130.4	5344.2	5485.6	5368.0	4915.7	4039.7	3355.3	2790.6	2328.8	1824.6
61°	4757.8	4986.2	5257.6	5438.9	5345.5	4899.7	4010.8	3324.4	2765.7	2255.8	1692.1
62°	4548.0	4811.4	5158.8	5381.2	5318.1	4866.3	3969.9	3288.8	2733.6	2244.0	1680.4
63°	4313.5	4613.2	5047.6	5313.5	5281.0	4811.8	3916.6	3247.1	2725.0	2210.3	1584.9
64°	4082.0	4408.1	4923.1	5238.4	5232.5	4742.3	3854.4	3201.1	2695.4	2169.7	1541.2
65°	3881.4	4207.7	4787.6	5154.2	5176.2	4665.8	3792.2	3162.9	2635.6	2148.9	1432.6
66°	3721.9	4032.0	4639.3	5055.3	5108.0	4596.3	3711.2	3114.9	2637.2	2095.9	1383.1
67°	3617.6	3882.2	4497.4	4944.6	5023.3	4515.2	3617.1	3050.0	2654.2	2074.9	1272.3
68°	3563.9	3771.3	4361.6	4817.3	4922.6	4414.5	3483.6	2976.1	2667.2	2031.8	1180.2
69°	3515.5	3691.7	4235.9	4680.0	4799.9	4285.2	3327.3	2886.2	2605.8	1996.0	1072.4
70°	3384.7	3617.9	4114.6	4531.1	4658.5	4096.0	3086.3	2757.3	2537.9	1961.4	993.2
71°	3126.3	3492.2	4005.6	4379.6	4494.5	3849.5	2776.0	2579.4	2481.8	1916.1	936.5
72°	2785.4	3278.7	3902.2	4224.2	4312.9	3558.6	2469.3	2386.5	2407.8	1865.0	879.8
73°	2447.3	2985.3	3786.1	4072.6	4104.6	3232.5	2193.7	2188.1	2293.0	1809.8	823.1
74°	2127.7	2659.9	3646.9	3918.3	3864.3	2902.4	1937.3	1988.6	2173.7	1736.9	769.8
75°	1667.4	2301.9	3467.5	3730.5	3603.1	2552.7	1627.1	1783.7	2048.0	1639.9	694.3
76°	1047.5	1860.7	3214.0	3514.0	3293.6	2167.7	1186.6	1544.6	1915.2	1520.4	615.2
77°	495.1	1236.9	2882.9	3213.6	2940.7	1638.5	746.1	1157.5	1780.0	1349.0	539.4
78°	388.9	621.4	2476.7	2822.0	2518.6	1031.4	312.2	770.5	1627.7	1123.8	461.0
79°	287.8	476.7	1936.9	2339.8	2023.2	514.8	142.3	387.3	1383.8	898.6	391.0
80°	186.7	332.0	1242.0	1750.0	1435.4	383.1	122.0	283.9	988.4	673.6	337.9
81°	169.9	187.4	644.5	1116.0	833.0	256.7	101.7	180.5	594.4	497.4	340.0
82°	154.5	165.6	482.6	536.8	374.9	130.3	81.5	79.6	260.3	406.7	316.6
83°	139.8	148.4	327.6	412.2	257.0	109.9	69.9	64.6	197.4	346.5	253.4
84°	124.9	131.6	172.7	289.8	140.8	93.1	58.6	51.9	134.4	275.0	174.6
85°	109.8	115.0	139.8	167.4	113.0	77.3	47.5	40.8	72.5	195.4	124.9
86°	93.6	99.4	112.2	142.3	90.6	61.4	36.8	31.4	59.8	156.7	75.8
87°	77.6	84.5	92.8	113.6	72.1	46.9	26.3	23.3	46.4	118.1	49.6
88°	63.3	70.0	73.9	81.2	55.8	35.7	18.7	16.6	30.8	79.4	33.9
89°	51.8	54.8	54.2	48.1	42.9	24.4	11.1	9.9	21.5	40.8	18.2

REPORT NUMBER: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7	2963.7
1°	2921.5	2921.7	2925.4	2931.6	2940.7	2950.8	2961.6	2962.8	2973.7	2984.7	2994.3
2°	2885.0	2883.7	2889.0	2899.6	2915.3	2933.9	2955.7	2967.9	2989.9	3011.5	3031.1
3°	2853.1	2850.7	2857.4	2871.6	2892.2	2919.4	2950.9	2974.7	3008.3	3041.9	3072.6
4°	2825.4	2822.2	2830.1	2846.7	2873.0	2907.8	2948.8	2983.6	3029.7	3076.2	3118.1
5°	2799.7	2796.4	2805.3	2825.1	2855.5	2898.0	2947.8	2994.1	3052.4	3112.3	3168.1
6°	2778.3	2774.9	2784.5	2805.2	2841.0	2889.5	2949.3	3006.7	3077.5	3151.6	3222.5
7°	2761.1	2756.8	2767.6	2790.2	2827.2	2883.0	2951.5	3020.1	3104.7	3194.5	3280.7
8°	2745.9	2740.6	2752.3	2778.9	2817.4	2877.3	2954.7	3034.1	3133.5	3240.1	3342.6
9°	2731.8	2725.9	2738.5	2768.0	2810.7	2872.0	2957.8	3049.8	3164.0	3289.2	3410.1
10°	2720.5	2714.2	2726.9	2758.8	2805.4	2867.8	2963.5	3068.2	3196.7	3341.0	3481.1
11°	2712.5	2706.0	2718.8	2751.9	2801.4	2867.4	2970.5	3088.8	3233.3	3396.6	3558.1
12°	2695.5	2676.0	2701.8	2747.6	2799.1	2869.5	2971.9	3102.5	3272.2	3454.8	3640.0
13°	2664.6	2645.6	2670.8	2745.2	2797.9	2864.8	2976.7	3119.3	3303.8	3520.1	3728.0
14°	2650.5	2642.9	2656.7	2714.2	2798.7	2863.6	2981.2	3136.2	3339.5	3584.3	3821.4
15°	2652.1	2642.9	2656.8	2694.1	2793.5	2863.9	2991.2	3157.8	3376.0	3645.8	3918.5
16°	2654.0	2644.9	2658.8	2696.1	2790.0	2869.0	3000.6	3183.7	3417.2	3711.4	4020.5
17°	2658.4	2648.2	2663.7	2700.7	2769.1	2872.1	3012.5	3209.2	3466.7	3778.9	4124.6
18°	2661.4	2648.6	2667.0	2706.8	2758.6	2878.2	3029.4	3237.2	3510.4	3853.1	4226.9
19°	2663.5	2649.1	2669.7	2715.7	2754.8	2890.7	3049.8	3271.3	3559.1	3927.7	4322.9
20°	2665.6	2638.0	2672.9	2722.2	2758.1	2905.7	3069.7	3306.0	3610.0	4006.9	4423.5
21°	2611.2	2529.6	2622.5	2722.7	2767.5	2917.3	3086.0	3337.0	3668.1	4081.4	4520.1
22°	2533.3	2501.8	2548.8	2724.4	2779.2	2922.4	3094.9	3364.9	3726.4	4158.7	4610.0
23°	2521.0	2504.9	2536.1	2708.8	2788.1	2915.9	3113.3	3384.6	3783.1	4237.2	4702.0
24°	2525.7	2511.8	2542.0	2618.2	2795.3	2923.2	3136.7	3412.3	3835.4	4314.3	4791.7
25°	2534.5	2521.4	2551.4	2593.9	2802.2	2928.4	3150.8	3447.7	3880.8	4392.8	4877.3
26°	2544.7	2530.1	2562.8	2602.6	2813.1	2932.5	3168.0	3476.0	3927.7	4469.2	4962.9
27°	2553.2	2540.0	2572.7	2610.1	2813.6	2950.6	3193.4	3503.7	3981.7	4544.5	5044.4
28°	2562.1	2522.3	2584.4	2616.1	2764.1	2965.6	3217.1	3540.0	4042.5	4615.0	5126.3
29°	2517.4	2422.1	2537.0	2619.9	2716.3	2970.6	3232.8	3580.8	4102.1	4684.1	5209.6
30°	2433.2	2414.5	2453.7	2628.3	2691.3	2975.8	3246.7	3621.5	4154.4	4746.8	5294.3
31°	2430.1	2427.8	2450.2	2636.6	2687.8	2990.1	3267.4	3656.7	4212.3	4809.6	5379.9
32°	2439.8	2444.6	2460.3	2568.3	2695.2	3004.2	3292.2	3687.8	4278.3	4877.3	5463.6
33°	2452.0	2460.4	2472.7	2498.5	2707.9	3006.8	3315.7	3725.0	4346.9	4948.2	5543.7
34°	2463.6	2473.4	2483.4	2495.8	2720.5	3017.0	3328.7	3771.1	4409.5	5018.7	5614.7
35°	2472.9	2484.2	2492.1	2499.0	2726.4	3024.4	3351.1	3816.4	4463.1	5087.4	5662.3
36°	2476.3	2350.9	2493.1	2509.7	2727.4	3029.6	3373.1	3858.3	4509.5	5135.0	5682.9
37°	2341.2	2331.8	2354.9	2523.6	2723.3	3023.4	3390.9	3889.1	4549.6	5163.4	5683.3
38°	2313.3	2345.3	2333.2	2528.2	2656.0	2976.4	3406.4	3925.6	4582.1	5174.8	5668.7
39°	2321.9	2361.7	2341.7	2535.7	2621.0	2944.0	3415.8	3963.1	4608.6	5177.5	5650.4
40°	2333.5	2375.9	2350.3	2448.8	2641.4	2934.8	3428.0	3991.7	4628.8	5182.6	5640.3
41°	2334.5	2363.1	2351.0	2417.5	2655.2	2953.8	3431.0	4017.3	4644.3	5194.0	5636.2
42°	2311.1	2216.0	2329.2	2425.8	2653.0	2965.2	3436.6	4039.4	4662.6	5208.2	5642.6
43°	2180.0	2205.1	2201.4	2421.2	2664.3	2952.7	3457.7	4058.0	4682.8	5225.2	5654.9
44°	2169.1	2213.0	2193.1	2418.9	2680.1	2957.8	3479.9	4074.4	4707.9	5243.9	5666.4

REPORT NUMBER: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2180.1	2217.1	2203.3	2418.6	2690.7	2977.4	3503.5	4093.0	4736.8	5262.2	5676.4
46°	2181.9	2154.0	2203.1	2296.6	2613.4	2995.1	3485.7	4106.3	4764.2	5284.7	5686.5
47°	2125.9	2018.6	2141.6	2278.4	2564.4	3004.4	3468.3	4123.0	4792.2	5309.4	5694.8
48°	2009.6	2019.0	2035.8	2284.7	2572.8	2997.1	3483.5	4148.6	4819.6	5333.2	5698.4
49°	2018.3	2021.7	2046.3	2283.9	2589.5	2944.1	3508.8	4170.7	4846.2	5353.8	5696.1
50°	2029.5	2020.6	2058.5	2265.0	2585.2	2930.3	3521.9	4188.9	4869.5	5376.7	5691.6
51°	2035.9	1835.0	2067.4	2145.4	2577.4	2935.4	3528.1	4198.9	4888.7	5396.3	5686.5
52°	1877.8	1816.5	1902.9	2148.6	2483.1	2940.8	3541.9	4185.0	4904.3	5412.4	5680.1
53°	1856.7	1814.0	1884.4	2164.4	2468.9	2959.4	3544.3	4157.8	4918.5	5422.0	5672.3
54°	1852.2	1676.2	1879.5	2175.7	2476.6	2956.8	3535.7	4142.3	4925.4	5425.2	5662.3
55°	1723.0	1592.1	1743.2	2045.1	2474.9	2951.1	3528.5	4140.5	4928.1	5424.7	5650.8
56°	1655.9	1588.1	1683.4	2023.8	2420.2	2926.1	3513.7	4141.1	4929.5	5425.6	5635.3
57°	1654.1	1412.6	1681.0	2025.7	2365.7	2884.8	3497.9	4131.1	4932.2	5422.0	5612.8
58°	1495.5	1371.9	1516.6	1919.9	2389.9	2878.2	3455.8	4105.9	4930.8	5411.9	5581.2
59°	1455.1	1340.2	1480.5	1880.2	2415.7	2868.8	3442.1	4085.7	4925.8	5398.2	5542.3
60°	1387.6	1136.6	1397.5	1871.4	2384.0	2855.0	3402.3	4061.6	4908.9	5378.9	5498.4
61°	1253.2	1035.1	1277.2	1736.9	2318.6	2822.3	3366.3	4029.5	4875.5	5353.8	5449.9
62°	1193.9	933.8	1197.7	1728.8	2307.6	2792.0	3321.9	3985.8	4821.0	5316.7	5396.3
63°	1075.3	831.8	1083.8	1617.6	2265.0	2780.0	3273.5	3924.6	4756.0	5269.5	5332.3
64°	956.7	674.5	969.9	1583.3	2229.2	2742.3	3225.2	3862.5	4678.7	5215.5	5254.0
65°	837.0	520.2	856.0	1467.9	2203.5	2687.1	3178.3	3789.5	4605.9	5148.7	5160.6
66°	682.3	388.7	691.6	1411.8	2149.7	2694.6	3117.1	3690.1	4526.7	5070.9	5056.7
67°	554.3	258.5	544.8	1310.1	2128.7	2703.7	3037.1	3578.3	4430.3	4980.3	4942.3
68°	405.4	128.3	402.4	1205.5	2075.8	2694.6	2949.0	3427.3	4304.2	4872.7	4819.2
69°	293.6	0.3	282.3	1078.8	2030.8	2605.3	2844.0	3226.0	4139.9	4745.5	4684.6
70°	264.2	0.2	247.2	1001.6	1988.5	2521.6	2690.6	2933.8	3926.6	4598.1	4534.4
71°	235.3	0.2	215.7	939.7	1933.3	2445.2	2487.5	2605.1	3651.4	4429.1	4373.0
72°	203.2	0.2	183.6	877.7	1875.5	2353.4	2277.8	2305.6	3331.8	4243.0	4216.4
73°	168.9	0.3	149.2	815.5	1801.5	2225.5	2082.3	2054.2	2998.6	4015.3	4054.6
74°	138.1	0.3	116.0	745.3	1698.5	2102.9	1884.9	1773.3	2653.9	3739.8	3881.2
75°	109.3	0.3	95.2	660.3	1581.9	1978.7	1629.0	1369.5	2286.6	3428.1	3681.4
76°	80.7	0.4	88.0	584.4	1427.9	1833.1	1242.9	860.1	1836.7	3084.2	3442.5
77°	62.2	0.4	96.4	512.8	1219.8	1674.3	856.8	410.6	1269.2	2706.0	3132.9
78°	66.9	0.5	88.8	440.9	1010.4	1456.7	471.8	262.4	692.8	2252.0	2684.3
79°	90.8	0.6	81.2	385.3	801.0	1077.4	193.3	121.0	509.1	1736.6	2150.1
80°	93.7	0.7	73.4	354.7	593.8	698.1	138.5	102.7	325.4	1138.5	1536.5
81°	84.8	0.8	45.9	328.1	471.4	327.0	84.5	89.6	141.7	579.7	912.3
82°	61.7	0.9	25.4	280.6	393.7	243.3	69.4	77.7	119.9	430.0	396.9
83°	38.7	1.0	19.4	205.5	305.6	159.6	57.4	66.2	103.2	281.1	285.8
84°	23.0	1.1	13.4	130.5	203.4	76.7	47.0	55.1	87.9	132.3	187.0
85°	17.6	1.2	7.4	56.1	134.7	62.9	37.5	43.4	72.2	104.4	162.7
86°	12.1	1.3	6.2	33.1	66.3	50.1	28.9	33.2	57.1	83.9	136.8
87°	6.8	1.5	5.4	20.0	35.2	36.9	21.4	23.2	43.3	66.5	107.6
88°	5.3	1.6	4.6	14.2	24.3	25.5	15.1	13.1	31.9	50.5	73.9
89°	3.7	1.7	3.4	8.3	13.4	14.1	8.8	5.7	20.5	39.2	42.9

REPORT NUMBER: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2963.7	2963.7	2963.7
1°	3001.6	3007.1	3008.9
2°	3047.1	3058.2	3061.4
3°	3097.1	3113.2	3118.8
4°	3152.5	3176.3	3183.8
5°	3214.7	3244.8	3255.1
6°	3280.0	3318.9	3332.3
7°	3351.8	3400.4	3417.3
8°	3429.2	3487.4	3506.8
9°	3511.7	3581.1	3606.0
10°	3601.6	3683.5	3713.0
11°	3698.4	3793.2	3826.6
12°	3800.8	3909.4	3949.0
13°	3910.7	4036.8	4083.5
14°	4025.9	4168.6	4224.1
15°	4147.8	4307.3	4369.4
16°	4271.8	4450.7	4518.2
17°	4401.1	4596.7	4665.8
18°	4530.3	4740.4	4811.8
19°	4657.6	4877.8	4955.1
20°	4780.7	5010.9	5093.8
21°	4899.7	5138.6	5223.8
22°	5011.9	5257.6	5346.9
23°	5121.3	5376.2	5463.6
24°	5225.2	5491.5	5574.8
25°	5330.0	5601.8	5678.7
26°	5434.8	5702.1	5770.3
27°	5533.6	5791.8	5850.4
28°	5619.2	5869.6	5927.7
29°	5698.4	5947.4	6005.5
30°	5782.6	6036.2	6099.8
31°	5866.9	6118.1	6177.2
32°	5944.2	6178.5	6235.8
33°	5998.7	6209.7	6259.1
34°	6024.8	6206.9	6246.3
35°	6020.6	6171.2	6203.7
36°	5997.8	6116.8	6146.5
37°	5958.4	6060.9	6096.2
38°	5920.9	6025.2	6074.2
39°	5898.4	6008.3	6067.3
40°	5888.4	6000.5	6065.5
41°	5883.8	5996.8	6063.7
42°	5879.2	5994.6	6057.7
43°	5874.6	5990.0	6044.4
44°	5871.0	5982.2	6024.8

REPORT NUMBER: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	5867.3	5967.5	5996.8
46°	5862.7	5948.8	5964.8
47°	5855.9	5927.7	5927.7
48°	5845.3	5903.9	5889.3
49°	5829.8	5879.2	5848.1
50°	5810.1	5854.0	5803.2
51°	5784.5	5826.6	5753.8
52°	5756.5	5791.8	5697.0
53°	5727.7	5748.8	5635.7
54°	5698.4	5695.7	5567.1
55°	5665.9	5633.4	5489.2
56°	5626.6	5559.7	5399.5
57°	5577.6	5477.3	5301.6
58°	5514.9	5377.6	5192.2
59°	5446.2	5267.7	5073.2
60°	5367.5	5147.3	4934.1
61°	5278.7	5009.1	4757.8
62°	5178.5	4841.6	4548.0
63°	5072.3	4646.2	4313.5
64°	4954.6	4434.6	4082.0
65°	4822.4	4235.7	3881.4
66°	4681.9	4060.6	3721.9
67°	4540.7	3915.6	3617.6
68°	4397.5	3800.8	3563.9
69°	4272.9	3716.2	3515.5
70°	4167.1	3640.9	3384.7
71°	4057.5	3524.0	3126.3
72°	3937.3	3314.1	2785.4
73°	3818.7	3019.0	2447.3
74°	3680.5	2687.3	2127.7
75°	3470.4	2325.0	1667.4
76°	3191.7	1879.9	1047.5
77°	2869.0	1298.6	495.1
78°	2470.6	695.1	388.9
79°	1912.8	523.7	287.8
80°	1184.5	358.4	186.7
81°	598.1	193.0	169.9
82°	448.2	168.1	154.5
83°	311.4	151.6	139.8
84°	174.6	134.2	124.9
85°	137.5	116.3	109.8
86°	111.8	99.8	93.6
87°	92.0	84.5	77.6
88°	73.1	69.5	63.3
89°	52.5	54.3	51.8

REPORT NUMBER: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-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: P1445065

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)