

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: P1445063

Luminaire Tested: XAS300-SFPM (4000K-120W-T3-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445063
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-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 40% (120W)
OPTICS - TYPE 3 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38376 (1 lamp)
Luminaire Lumens: 17565 lumens
Efficiency: 45.8%
Efficacy: 142.7 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): 123.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

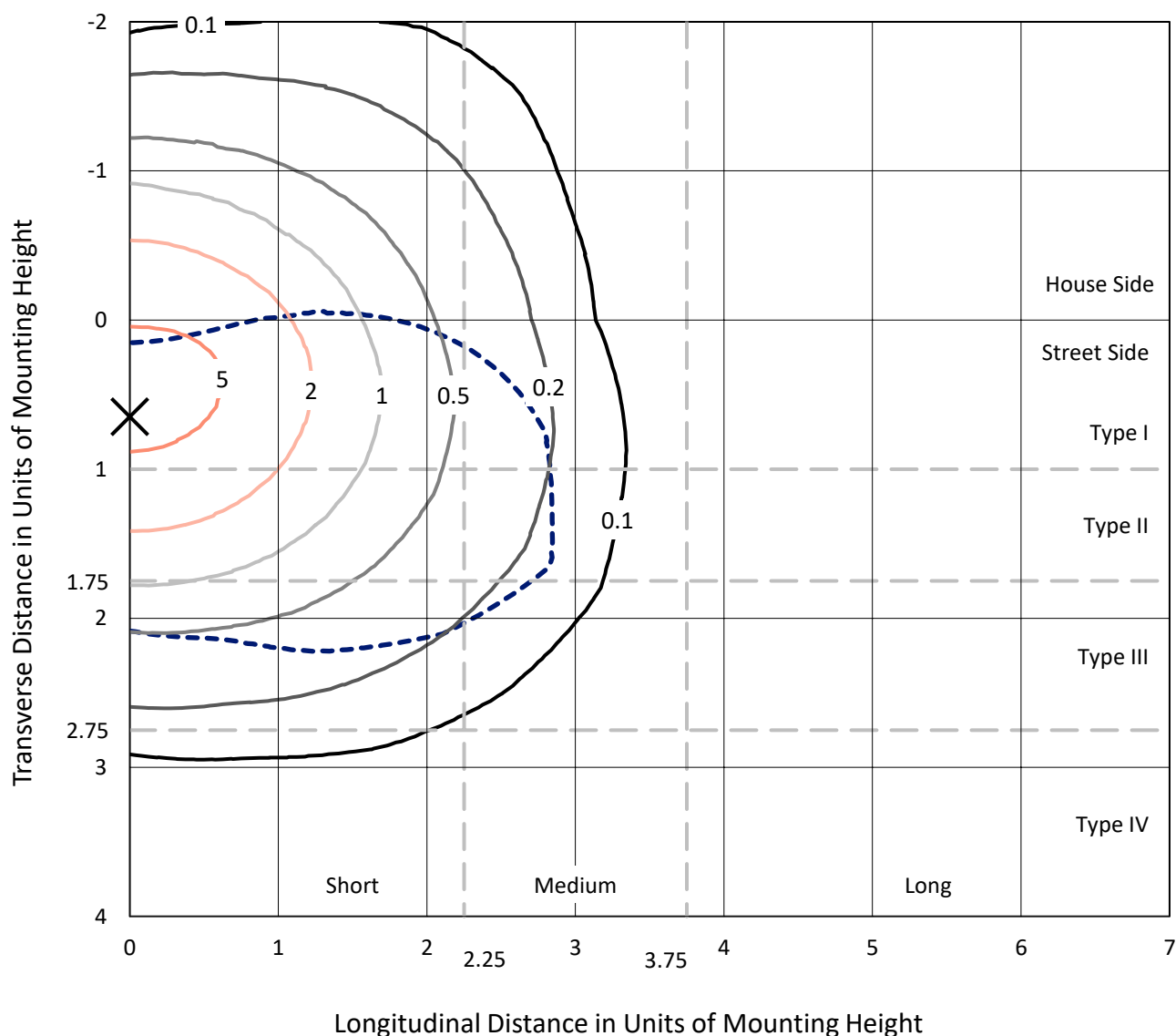
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

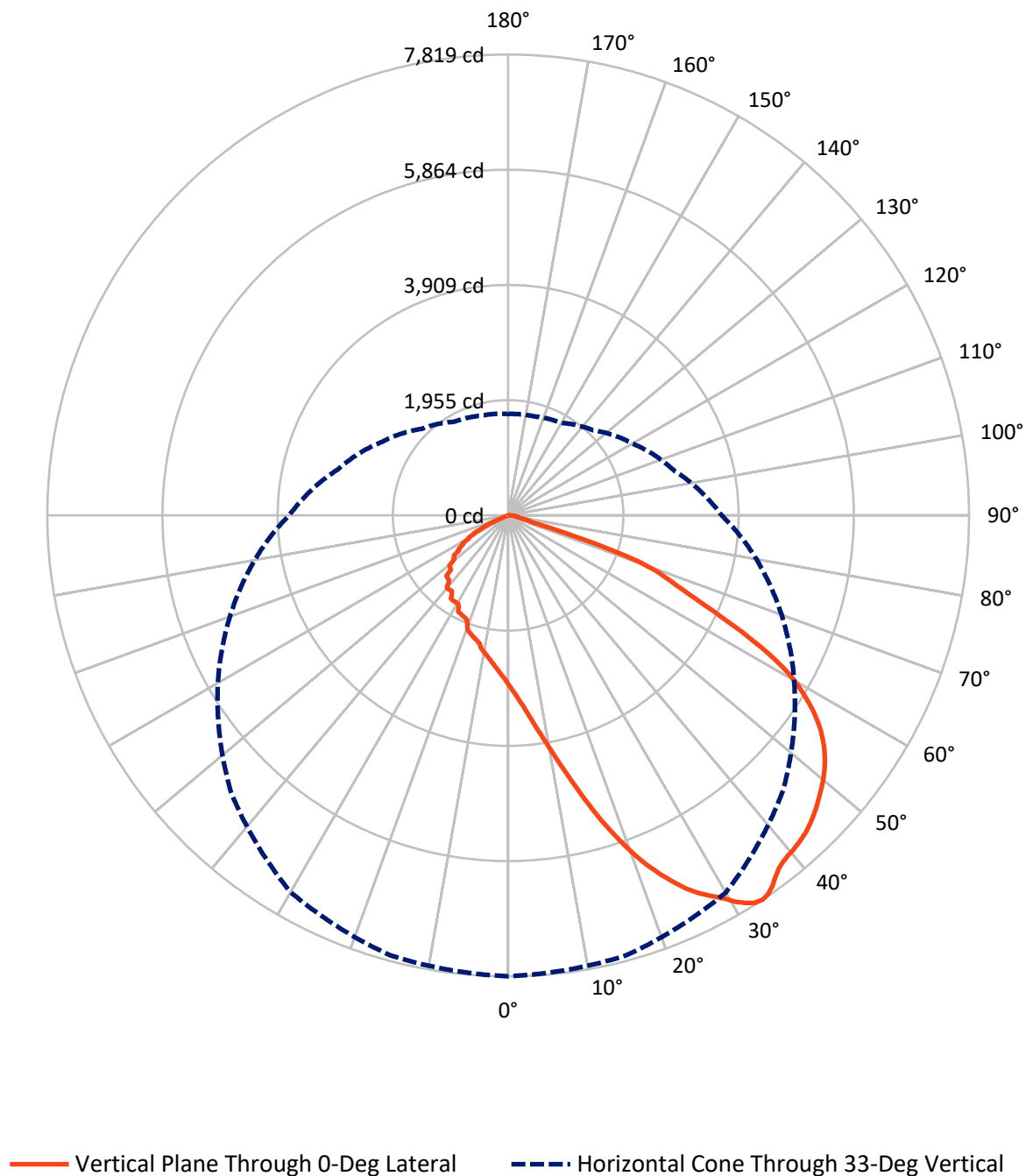


Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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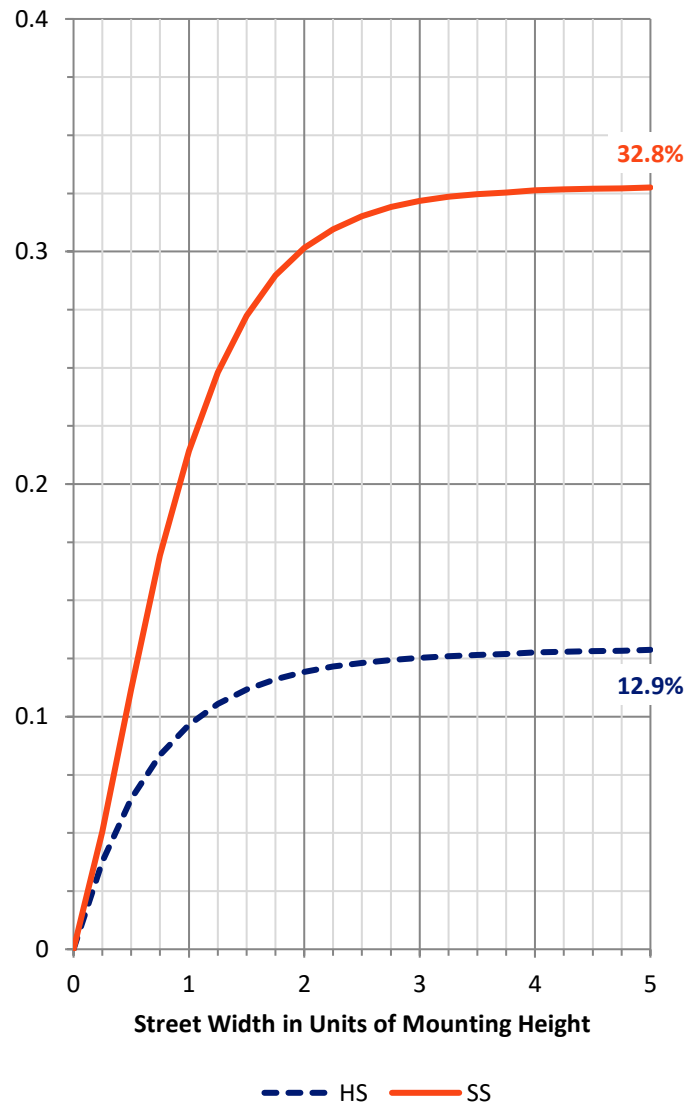
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4973.4	0.0	4973.4
	% Lamp	13.0	0.0	13.0
Street Side	Lumens	12591.6	0.0	12591.6
	% Lamp	32.8	0.0	32.8
Total	Lumens	17565.0	0.0	17565.0
	% Lamp	45.8	0.0	45.8

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	286.5	1.6	0.7
10°-20°	964.9	5.5	2.5
20°-30°	1830.4	10.4	4.8
30°-40°	2696.7	15.4	7.0
40°-50°	3286.8	18.7	8.6
50°-60°	3595.3	20.5	9.4
60°-70°	3181.1	18.1	8.3
70°-80°	1575.9	9.0	4.1
80°-90°	147.4	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°	17565.0	100.0	45.8
0°-180°	17565.0	100.0	45.8

Coefficient of Utilization



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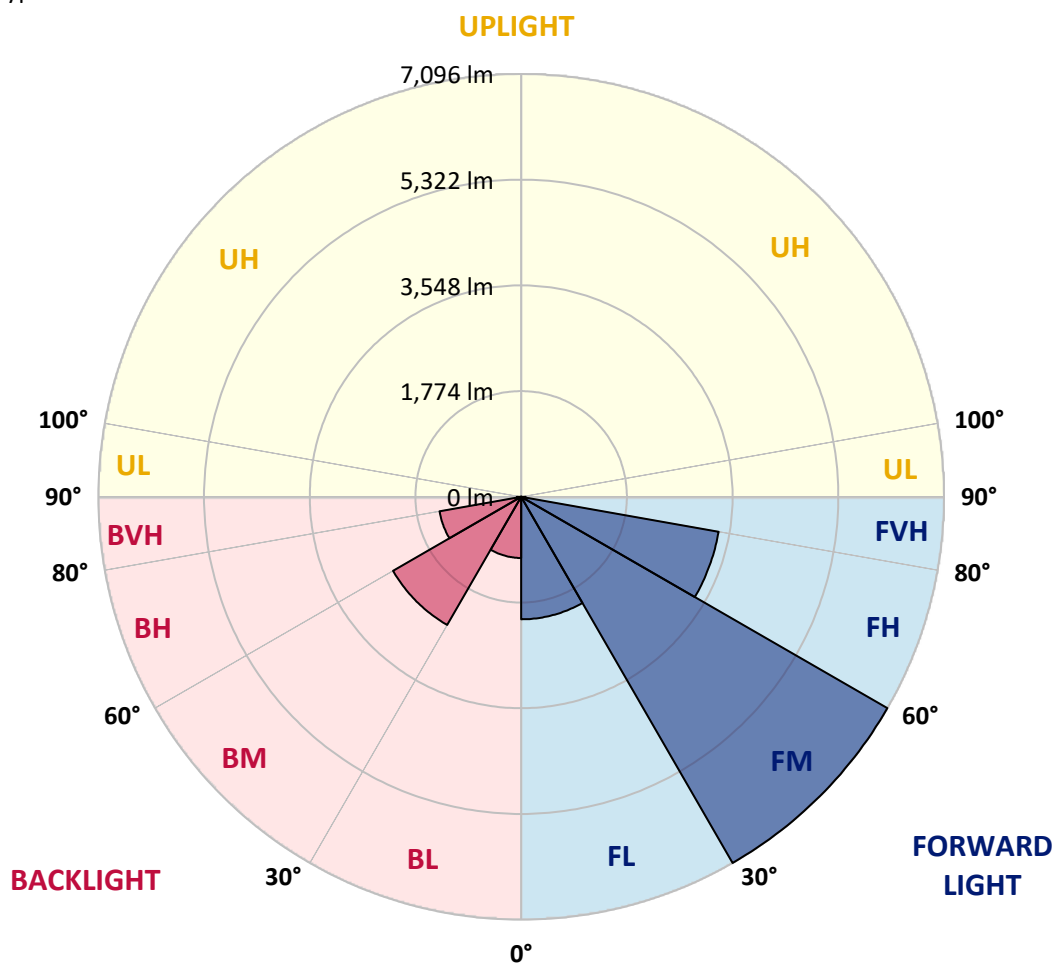
CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2055.7	5.4			
FM	(30°-60°)	7095.9	18.5			
FH	(60°-80°)	3365.2	8.8			G2/5000
FVH	(80°-90°)	74.8	0.2			G1/100
BL	(0°-30°)	1026.1	2.7	B3/2500		
BM	(30°-60°)	2483.0	6.5	B2/2500		
BH	(60°-80°)	1391.7	3.6	B3/2500		G3/2500
BVH	(80°-90°)	72.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		20811.0	54.2			

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°	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3
1°	2965.9	2965.1	2958.1	2947.6	2933.1	2915.0	2887.1	2868.4	2850.9	2837.2	2827.0
2°	3050.5	3045.7	3029.0	3004.3	2972.1	2935.4	2887.3	2850.1	2816.7	2789.5	2769.5
3°	3142.0	3133.7	3106.5	3066.9	3014.9	2957.7	2890.2	2835.1	2786.5	2746.8	2717.6
4°	3245.2	3231.2	3193.0	3135.9	3063.3	2985.7	2896.8	2823.8	2758.9	2706.5	2669.9
5°	3357.9	3340.6	3287.6	3210.2	3117.8	3017.1	2907.0	2816.0	2734.6	2671.7	2625.6
6°	3481.4	3458.3	3392.2	3294.1	3176.0	3050.8	2917.8	2809.5	2713.6	2638.8	2582.5
7°	3614.1	3586.8	3504.9	3382.7	3238.3	3086.3	2930.5	2804.0	2694.2	2606.2	2543.0
8°	3757.0	3723.2	3625.7	3480.3	3305.0	3124.5	2945.0	2800.2	2676.1	2576.5	2507.2
9°	3910.8	3869.6	3756.2	3583.0	3376.8	3166.0	2961.9	2796.7	2657.9	2550.1	2473.2
10°	4074.4	4026.8	3892.7	3693.6	3452.2	3210.0	2979.2	2795.0	2639.7	2525.7	2441.1
11°	4250.7	4196.3	4042.7	3810.3	3532.7	3258.3	2998.7	2795.0	2623.7	2502.4	2411.2
12°	4439.4	4375.0	4200.2	3932.6	3617.0	3308.4	3012.8	2789.4	2610.3	2478.8	2384.6
13°	4642.0	4566.4	4363.3	4063.1	3708.5	3351.1	3026.4	2782.2	2590.8	2457.0	2359.2
14°	4851.2	4769.3	4536.1	4199.8	3803.5	3396.6	3045.5	2778.3	2572.7	2437.6	2322.2
15°	5069.5	4974.8	4715.7	4341.4	3892.0	3446.4	3066.3	2777.1	2555.4	2412.6	2272.2
16°	5292.4	5186.7	4898.8	4486.7	3986.3	3499.3	3094.1	2783.0	2541.4	2389.7	2249.0
17°	5516.3	5397.7	5086.0	4634.3	4082.2	3557.7	3118.3	2784.4	2532.2	2356.4	2231.2
18°	5733.2	5607.8	5269.5	4782.1	4177.1	3619.5	3145.8	2789.3	2520.3	2318.6	2215.0
19°	5946.9	5812.8	5452.2	4923.1	4279.3	3678.1	3178.0	2801.8	2513.5	2298.7	2201.4
20°	6152.0	6009.2	5628.8	5057.6	4378.9	3741.5	3213.5	2815.1	2511.5	2282.9	2186.9
21°	6346.1	6199.1	5797.3	5196.3	4484.3	3807.3	3249.7	2825.8	2511.3	2269.7	2170.0
22°	6524.1	6377.6	5958.8	5323.6	4581.6	3878.8	3279.6	2824.9	2504.6	2261.7	2151.3
23°	6697.1	6551.1	6118.1	5447.1	4684.1	3951.8	3296.9	2828.1	2490.8	2256.5	2135.0
24°	6857.3	6715.9	6271.0	5568.0	4784.4	4017.8	3319.9	2840.9	2475.1	2245.7	2054.0
25°	7011.1	6870.1	6418.8	5691.1	4881.4	4078.3	3352.9	2847.0	2464.7	2236.3	1992.6
26°	7141.6	7009.7	6563.5	5806.4	4981.7	4130.7	3387.2	2851.0	2453.7	2227.9	1979.1
27°	7256.0	7132.4	6700.8	5919.5	5081.4	4190.0	3409.2	2863.4	2455.2	2217.0	1969.7
28°	7360.8	7242.3	6828.0	6028.4	5180.3	4259.2	3441.2	2876.9	2457.6	2199.5	1959.8
29°	7472.0	7351.2	6940.6	6133.2	5270.5	4335.5	3479.6	2889.1	2455.6	2126.2	1946.2
30°	7603.4	7477.5	7056.4	6241.3	5356.1	4401.8	3522.2	2890.4	2444.6	2078.0	1932.6
31°	7710.9	7591.0	7177.7	6358.4	5427.5	4466.4	3562.5	2894.4	2443.3	2059.7	1923.7
32°	7791.0	7680.3	7290.3	6480.2	5507.6	4531.4	3594.0	2907.3	2444.9	2047.9	1913.0
33°	7818.5	7727.0	7385.5	6596.0	5603.7	4604.0	3622.7	2921.5	2437.3	2042.8	1811.4
34°	7792.4	7715.5	7437.7	6700.3	5701.2	4684.1	3659.8	2928.9	2434.8	2040.9	1790.4
35°	7720.1	7656.5	7430.4	6774.9	5793.2	4765.2	3704.0	2940.8	2436.9	2039.1	1781.9
36°	7627.2	7575.0	7380.0	6819.3	5876.0	4842.1	3748.0	2961.9	2434.5	2031.6	1777.4
37°	7544.3	7485.3	7310.9	6820.2	5926.4	4901.1	3779.4	2973.4	2432.1	2023.6	1779.9
38°	7498.6	7425.8	7242.3	6793.2	5954.3	4952.4	3810.6	2983.2	2422.7	2005.5	1781.4
39°	7472.0	7394.7	7194.7	6760.7	5957.9	4994.0	3856.1	2993.9	2358.9	1936.3	1777.6
40°	7452.3	7373.6	7168.1	6736.5	5944.7	5018.7	3897.0	3002.5	2325.0	1940.4	1757.3
41°	7429.5	7356.7	7151.2	6722.3	5941.5	5032.9	3925.8	3017.2	2335.7	1953.4	1687.4
42°	7400.2	7338.4	7135.6	6710.9	5950.6	5045.7	3943.3	3021.5	2350.0	1957.7	1690.2
43°	7363.1	7315.9	7119.1	6706.3	5963.0	5061.7	3952.9	3031.9	2352.6	1956.9	1687.1
44°	7317.8	7288.5	7099.9	6707.2	5979.0	5075.5	3957.4	3036.2	2345.1	1964.5	1670.6

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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7263.3	7253.7	7075.2	6706.3	5997.8	5095.6	3966.8	3053.7	2354.0	1971.0	1659.2
46°	7203.3	7210.7	7046.4	6698.5	6012.4	5122.6	3979.6	3052.9	2366.0	1951.9	1604.4
47°	7140.2	7165.8	7012.9	6687.5	6024.3	5151.9	3984.5	3019.8	2364.5	1871.0	1540.7
48°	7074.7	7116.8	6975.4	6678.4	6036.7	5177.5	4005.2	3018.8	2372.3	1861.6	1540.2
49°	7009.7	7064.2	6931.5	6663.7	6050.8	5197.2	4028.8	3032.3	2335.9	1866.3	1534.8
50°	6940.6	7009.3	6883.9	6639.0	6057.3	5214.2	4050.2	3046.8	2289.4	1864.4	1527.7
51°	6862.4	6945.7	6830.3	6609.7	6065.5	5229.3	4068.3	3048.0	2291.0	1854.4	1443.6
52°	6773.6	6872.4	6770.8	6576.8	6075.6	5237.1	4074.8	3055.7	2280.6	1812.1	1424.9
53°	6675.2	6789.1	6706.7	6542.0	6078.8	5239.3	4049.3	3069.3	2295.1	1758.0	1430.8
54°	6562.6	6688.0	6636.7	6501.7	6071.9	5243.5	4020.9	3055.0	2302.1	1761.2	1434.5
55°	6434.4	6570.3	6562.1	6453.2	6055.0	5239.3	4011.1	3052.2	2302.0	1759.0	1382.4
56°	6285.7	6433.5	6476.1	6397.8	6032.1	5227.0	4005.5	3045.3	2291.5	1747.1	1342.9
57°	6118.1	6277.9	6376.3	6337.4	6005.5	5215.1	3997.0	3039.1	2260.3	1665.9	1343.8
58°	5929.6	6102.1	6259.6	6271.9	5971.7	5208.2	3970.9	3010.5	2244.6	1680.7	1312.9
59°	5723.6	5908.5	6133.7	6196.9	5934.6	5196.3	3949.0	2981.3	2245.5	1702.2	1248.9
60°	5486.5	5695.2	5987.7	6111.3	5887.9	5177.5	3922.4	2970.8	2244.2	1719.7	1252.0
61°	5189.0	5445.8	5826.6	6009.2	5828.4	5146.0	3890.9	2943.8	2234.7	1662.3	1189.8
62°	4835.6	5151.9	5642.1	5890.7	5761.1	5102.9	3839.3	2917.2	2208.3	1656.3	1177.2
63°	4434.5	4816.9	5434.8	5753.8	5682.4	5035.7	3781.2	2881.5	2211.4	1662.8	1151.4
64°	4025.3	4459.4	5198.1	5603.7	5589.9	4946.0	3710.1	2835.2	2197.3	1630.4	1103.3
65°	3652.8	4105.9	4939.5	5437.5	5487.0	4839.3	3641.4	2806.0	2147.3	1634.0	1063.6
66°	3330.0	3761.5	4663.1	5245.7	5367.0	4743.6	3552.5	2757.3	2142.1	1606.0	1045.7
67°	3076.2	3448.4	4382.2	5036.6	5230.6	4635.6	3449.8	2697.7	2160.7	1602.2	987.6
68°	2872.2	3176.1	4100.5	4800.4	5072.7	4505.2	3298.4	2623.6	2179.2	1605.3	945.3
69°	2669.2	2941.9	3814.6	4545.1	4884.2	4348.8	3148.4	2533.4	2159.2	1599.1	903.1
70°	2353.1	2700.5	3532.4	4280.4	4670.4	4148.7	2917.1	2403.7	2109.8	1605.8	861.2
71°	1851.2	2386.6	3257.3	4010.8	4438.0	3890.2	2611.8	2226.0	2071.4	1602.4	846.4
72°	1258.4	1952.1	2980.1	3742.3	4187.1	3602.3	2312.6	2038.4	2029.3	1638.0	840.6
73°	735.5	1425.2	2679.5	3469.4	3914.4	3253.5	2032.6	1872.8	1945.3	1622.9	814.8
74°	415.4	911.9	2350.2	3191.2	3606.3	2874.7	1774.3	1735.3	1858.2	1618.6	818.3
75°	346.5	536.1	1983.0	2886.5	3266.9	2464.6	1466.5	1592.0	1779.7	1604.9	801.5
76°	286.3	434.8	1574.0	2535.9	2877.1	2028.2	1031.3	1386.6	1713.7	1566.2	761.4
77°	226.2	335.3	1187.0	2099.1	2438.6	1504.6	597.3	1037.4	1652.6	1485.8	700.7
78°	202.1	235.7	889.6	1562.2	1945.5	958.8	276.2	688.2	1602.1	1355.5	620.6
79°	185.9	207.9	650.6	995.2	1450.4	502.1	137.8	340.5	1452.7	1133.5	537.8
80°	171.3	186.7	468.8	538.9	971.9	378.8	118.6	253.6	1077.2	911.4	472.7
81°	157.5	167.8	375.1	419.6	549.7	256.4	99.4	166.7	701.8	690.7	482.9
82°	144.4	151.7	282.5	311.8	407.8	134.0	80.3	81.0	329.0	565.8	453.6
83°	131.1	137.6	190.0	203.9	269.5	111.0	68.6	64.3	247.2	482.7	363.2
84°	117.3	122.9	160.5	179.0	131.2	94.7	57.2	50.4	165.4	381.9	249.9
85°	103.6	108.1	127.9	156.0	103.3	78.2	46.2	39.1	83.8	271.9	165.1
86°	89.3	93.7	100.4	133.0	82.6	61.4	35.5	29.6	70.3	217.9	117.3
87°	74.5	80.0	82.9	107.1	64.9	46.2	25.3	21.8	55.1	163.9	69.5
88°	61.1	66.3	66.4	76.6	49.5	34.7	17.9	15.5	36.0	110.0	42.3
89°	50.4	52.5	50.3	45.1	38.0	23.3	10.4	9.3	24.8	56.0	28.9



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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: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063
CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3	2891.3
1°	2821.5	2820.6	2825.4	2835.0	2847.7	2864.5	2882.4	2893.2	2910.5	2927.5	2942.7
2°	2758.5	2755.8	2763.3	2779.9	2803.5	2834.3	2868.9	2899.4	2935.2	2971.2	3003.0
3°	2700.7	2696.4	2705.6	2727.9	2761.8	2806.2	2857.8	2907.1	2962.4	3017.7	3068.5
4°	2647.7	2641.8	2653.5	2680.3	2723.5	2780.6	2848.0	2917.8	2993.1	3068.9	3139.0
5°	2597.7	2590.3	2603.7	2636.3	2688.0	2757.2	2840.2	2929.1	3024.5	3124.4	3216.8
6°	2550.0	2541.4	2555.9	2592.7	2653.9	2735.0	2834.1	2942.6	3058.6	3182.3	3300.0
7°	2505.2	2495.7	2511.5	2552.8	2619.6	2714.4	2829.0	2957.3	3095.6	3245.4	3388.3
8°	2464.4	2452.3	2470.0	2517.1	2589.4	2694.0	2824.5	2972.4	3134.8	3312.0	3482.6
9°	2424.2	2409.7	2429.5	2481.8	2562.5	2673.7	2820.2	2989.2	3175.7	3382.6	3584.5
10°	2386.2	2370.6	2391.8	2447.5	2536.6	2654.4	2818.1	3007.5	3219.5	3456.9	3692.4
11°	2352.8	2335.5	2356.3	2416.3	2511.4	2638.1	2817.6	3029.6	3266.5	3536.5	3807.9
12°	2322.8	2297.8	2323.8	2387.3	2487.7	2625.3	2810.8	3043.8	3316.5	3620.1	3929.3
13°	2267.0	2229.0	2268.4	2359.8	2464.1	2605.0	2807.0	3061.7	3359.0	3710.6	4059.1
14°	2222.9	2200.0	2223.3	2323.2	2443.7	2587.8	2803.2	3078.0	3405.0	3802.1	4193.9
15°	2199.7	2174.9	2198.5	2269.5	2418.6	2572.1	2803.3	3100.4	3452.7	3890.0	4337.7
16°	2177.8	2151.8	2175.9	2247.2	2397.0	2560.8	2805.6	3128.4	3505.9	3983.4	4484.4
17°	2158.5	2130.2	2156.7	2229.0	2369.2	2549.0	2810.2	3153.5	3567.9	4079.7	4637.0
18°	2137.8	2105.9	2135.5	2213.1	2332.5	2540.3	2818.1	3182.3	3623.2	4181.5	4783.5
19°	2116.9	2082.9	2115.2	2200.7	2308.7	2538.1	2831.5	3218.4	3685.9	4284.2	4926.7
20°	2095.9	2057.6	2096.1	2186.4	2294.1	2539.3	2845.5	3256.2	3748.9	4392.4	5070.0
21°	2072.1	1970.5	2074.8	2169.1	2284.6	2539.4	2855.2	3290.1	3820.1	4497.9	5205.9
22°	1965.3	1906.5	1974.2	2152.8	2279.0	2534.0	2858.1	3320.0	3893.3	4604.0	5335.9
23°	1923.8	1888.8	1932.5	2140.1	2273.8	2524.8	2867.6	3342.0	3964.4	4710.7	5465.4
24°	1908.6	1876.4	1919.1	2059.6	2264.1	2516.0	2884.7	3370.2	4030.5	4815.5	5593.1
25°	1898.9	1866.2	1909.8	2005.6	2254.8	2508.5	2891.9	3408.8	4089.0	4921.2	5711.7
26°	1889.8	1855.3	1901.8	1997.1	2249.2	2496.5	2902.0	3442.1	4149.6	5025.6	5832.5
27°	1879.9	1847.4	1893.2	1990.0	2236.8	2501.7	2918.4	3471.2	4217.0	5129.5	5949.2
28°	1872.6	1837.9	1886.7	1979.5	2221.9	2505.5	2934.7	3508.2	4294.5	5226.5	6067.3
29°	1864.0	1757.1	1878.9	1966.9	2151.1	2498.7	2945.1	3552.1	4372.6	5321.3	6181.8
30°	1771.5	1724.0	1785.0	1956.3	2104.4	2489.5	2947.8	3597.1	4439.2	5409.1	6298.0
31°	1744.9	1720.4	1759.3	1946.9	2085.9	2489.3	2959.6	3638.4	4516.6	5496.6	6422.0
32°	1740.1	1720.6	1754.7	1935.9	2077.7	2491.4	2977.5	3672.2	4600.4	5590.9	6535.6
33°	1737.2	1719.8	1752.2	1834.2	2075.2	2482.9	2996.8	3715.1	4691.5	5685.6	6646.3
34°	1733.7	1716.3	1748.3	1813.7	2073.9	2482.1	3005.1	3765.8	4772.9	5781.3	6739.2
35°	1727.7	1712.8	1742.3	1805.0	2072.0	2482.2	3023.1	3815.8	4844.8	5871.0	6801.0
36°	1721.0	1647.7	1734.7	1801.7	2063.3	2479.4	3044.6	3863.9	4907.5	5931.4	6823.0
37°	1653.0	1601.3	1658.0	1804.5	2056.3	2475.3	3058.5	3896.7	4959.2	5964.3	6815.2
38°	1598.3	1602.3	1612.0	1804.8	2034.9	2466.9	3070.4	3931.8	4999.0	5972.6	6783.6
39°	1594.5	1606.9	1607.8	1804.4	1968.1	2405.7	3073.5	3969.2	5026.5	5965.3	6747.5
40°	1593.6	1608.9	1604.8	1779.3	1979.2	2374.4	3077.1	3993.8	5043.0	5961.1	6722.3
41°	1585.3	1601.5	1595.1	1716.3	1993.1	2384.0	3080.5	4011.4	5051.2	5965.3	6707.7
42°	1567.9	1513.0	1577.7	1718.8	1992.1	2396.4	3084.8	4027.2	5065.9	5974.0	6704.9
43°	1480.7	1482.8	1492.3	1712.0	1994.2	2388.7	3094.4	4040.3	5081.4	5986.3	6710.9
44°	1446.2	1480.5	1461.5	1695.7	2000.5	2384.0	3104.0	4049.6	5102.9	6000.5	6713.6

REPORT NUMBER: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	1443.3	1475.5	1459.1	1684.9	2006.9	2393.2	3120.6	4065.1	5128.1	6014.2	6711.8
46°	1438.3	1466.3	1452.7	1617.8	1977.6	2408.7	3108.7	4075.4	5154.2	6032.1	6709.9
47°	1425.0	1339.4	1441.8	1572.4	1904.5	2411.0	3078.7	4084.7	5176.2	6052.2	6704.0
48°	1314.8	1327.3	1333.0	1572.2	1898.8	2419.7	3084.0	4106.2	5194.9	6068.2	6692.5
49°	1308.5	1317.6	1330.7	1563.8	1904.0	2372.9	3098.8	4125.3	5214.6	6080.6	6672.0
50°	1307.4	1308.1	1331.0	1559.6	1899.2	2342.7	3110.7	4141.5	5232.0	6093.0	6645.4
51°	1306.0	1204.2	1331.2	1471.0	1891.2	2345.3	3112.4	4154.3	5241.2	6099.4	6617.9
52°	1226.6	1167.2	1246.5	1459.1	1827.7	2340.3	3119.7	4153.1	5244.4	6100.3	6588.7
53°	1201.8	1159.7	1225.4	1466.2	1798.6	2356.1	3128.6	4118.7	5248.0	6093.9	6552.9
54°	1194.7	1144.6	1217.9	1472.7	1803.1	2357.8	3116.8	4087.2	5242.5	6077.9	6511.8
55°	1179.0	1023.0	1196.2	1407.6	1802.9	2358.3	3114.0	4075.6	5228.4	6055.9	6468.3
56°	1080.1	1022.3	1103.4	1381.8	1790.4	2355.0	3103.3	4067.8	5211.9	6032.5	6416.6
57°	1082.1	962.8	1106.8	1382.4	1719.0	2314.3	3095.7	4056.1	5200.0	6002.3	6353.4
58°	1014.4	904.1	1033.0	1337.5	1738.4	2308.7	3053.3	4027.0	5184.9	5965.3	6277.4
59°	974.9	906.5	1001.0	1294.0	1762.2	2308.9	3036.2	3999.1	5164.7	5921.8	6190.0
60°	941.0	775.1	968.4	1301.8	1777.9	2305.6	3011.3	3963.2	5133.6	5867.8	6093.9
61°	907.2	776.8	935.8	1233.6	1722.7	2288.9	2980.1	3933.3	5093.8	5806.9	5989.5
62°	871.0	658.5	901.6	1228.0	1720.1	2261.5	2945.1	3883.3	5027.9	5732.7	5873.3
63°	757.7	653.9	787.2	1193.6	1715.9	2259.6	2903.9	3823.2	4942.7	5645.8	5740.1
64°	750.4	510.9	771.6	1156.8	1694.8	2237.6	2859.2	3747.8	4838.8	5546.5	5586.7
65°	636.5	452.6	661.5	1110.8	1701.5	2182.0	2814.4	3672.7	4741.4	5433.4	5411.4
66°	553.1	366.4	570.0	1103.3	1673.6	2190.3	2759.4	3563.4	4632.0	5305.7	5219.2
67°	503.3	244.0	498.1	1045.4	1669.2	2204.0	2688.7	3444.8	4504.7	5162.4	5005.9
68°	398.1	121.6	410.9	998.3	1664.5	2211.9	2600.1	3268.1	4358.9	4996.3	4782.6
69°	264.7	0.3	276.5	951.2	1658.5	2165.6	2496.4	3074.7	4177.2	4808.6	4541.3
70°	256.4	0.2	266.0	905.1	1666.5	2104.8	2337.2	2792.7	3956.7	4594.4	4279.1
71°	255.9	0.2	256.7	892.0	1658.6	2048.0	2132.4	2465.2	3670.5	4359.5	3996.9
72°	243.5	0.2	237.6	880.9	1690.6	1989.5	1940.8	2164.3	3362.4	4105.3	3719.6
73°	218.9	0.2	203.0	846.6	1663.5	1896.5	1795.0	1893.1	2988.8	3814.4	3435.7
74°	188.5	0.2	161.0	833.6	1625.2	1811.1	1666.0	1606.5	2590.7	3479.7	3146.9
75°	151.2	0.2	133.1	799.5	1585.9	1745.7	1469.0	1220.0	2175.7	3101.4	2828.3
76°	113.7	0.2	123.0	748.0	1501.9	1683.9	1113.2	754.8	1716.7	2689.4	2476.3
77°	86.4	0.3	136.9	680.7	1378.5	1619.3	757.5	363.9	1184.9	2234.4	2028.1
78°	93.4	0.3	156.5	601.4	1220.8	1482.0	405.6	238.9	672.1	1743.4	1454.2
79°	129.1	0.3	126.2	536.2	1031.4	1119.3	169.6	120.7	494.0	1265.6	881.9
80°	135.5	0.4	95.9	501.4	842.0	756.7	126.8	102.3	319.7	818.3	449.7
81°	108.6	0.4	65.6	469.1	655.1	394.2	84.8	89.1	145.4	447.0	360.8
82°	81.7	0.5	34.8	400.1	547.3	291.2	68.1	76.9	120.9	332.8	281.3
83°	55.0	0.6	18.3	258.4	423.8	188.1	55.3	65.4	104.0	227.2	201.8
84°	32.0	0.7	14.6	186.3	277.8	85.7	44.8	54.1	88.5	121.6	177.3
85°	19.4	0.7	10.8	114.3	198.5	71.0	35.4	43.1	72.7	95.7	154.3
86°	14.9	0.8	7.2	44.1	119.3	56.9	27.0	32.4	56.7	76.1	130.6
87°	10.5	1.0	6.0	25.8	40.7	42.1	19.7	21.6	42.6	59.4	103.8
88°	6.1	1.1	5.0	17.9	27.9	28.9	13.9	12.7	30.8	44.8	70.7
89°	3.8	1.2	3.4	10.0	15.1	15.8	8.1	5.5	19.1	34.9	39.9

REPORT NUMBER: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063
CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2891.3	2891.3	2891.3
1°	2955.1	2962.2	2965.9
2°	3028.6	3044.7	3050.5
3°	3108.3	3134.0	3142.0
4°	3196.1	3233.4	3245.2
5°	3292.3	3341.8	3357.9
6°	3395.9	3461.0	3481.4
7°	3509.0	3587.8	3614.1
8°	3627.2	3724.1	3757.0
9°	3756.8	3870.6	3910.8
10°	3892.9	4027.9	4074.4
11°	4039.3	4196.5	4250.7
12°	4194.3	4374.0	4439.4
13°	4359.2	4565.5	4642.0
14°	4531.0	4766.1	4851.2
15°	4711.6	4973.0	5069.5
16°	4897.0	5186.2	5292.4
17°	5090.6	5403.2	5516.3
18°	5278.7	5617.9	5733.2
19°	5462.7	5822.5	5946.9
20°	5642.1	6019.7	6152.0
21°	5815.6	6207.8	6346.1
22°	5977.6	6382.2	6524.1
23°	6134.6	6554.8	6697.1
24°	6285.7	6722.3	6857.3
25°	6435.8	6879.3	7011.1
26°	6584.5	7025.3	7141.6
27°	6724.6	7149.8	7256.0
28°	6848.2	7257.8	7360.8
29°	6962.6	7367.7	7472.0
30°	7078.9	7491.2	7603.4
31°	7200.1	7604.8	7710.9
32°	7307.7	7686.7	7791.0
33°	7380.0	7725.1	7818.5
34°	7412.5	7715.5	7792.4
35°	7399.7	7656.5	7720.1
36°	7358.5	7571.3	7627.2
37°	7292.1	7483.5	7544.3
38°	7229.9	7426.7	7498.6
39°	7189.2	7394.7	7472.0
40°	7163.5	7376.8	7452.3
41°	7147.0	7361.7	7429.5
42°	7129.2	7344.3	7400.2
43°	7111.3	7324.6	7363.1
44°	7093.5	7298.5	7317.8

REPORT NUMBER: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7072.0	7262.8	7263.3
46°	7047.7	7218.5	7203.3
47°	7020.7	7169.9	7140.2
48°	6987.8	7117.3	7074.7
49°	6945.2	7064.2	7009.7
50°	6893.9	7009.3	6940.6
51°	6838.1	6948.4	6862.4
52°	6775.4	6877.9	6773.6
53°	6710.4	6792.3	6675.2
54°	6642.7	6691.2	6562.6
55°	6570.8	6571.7	6434.4
56°	6486.6	6435.8	6285.7
57°	6387.7	6284.3	6118.1
58°	6268.3	6104.9	5929.6
59°	6136.4	5910.3	5723.6
60°	5988.6	5699.3	5486.5
61°	5820.2	5460.0	5189.0
62°	5633.9	5170.2	4835.6
63°	5427.9	4835.6	4434.5
64°	5205.0	4471.1	4025.3
65°	4953.3	4110.3	3652.8
66°	4681.4	3774.4	3330.0
67°	4400.6	3472.8	3076.2
68°	4110.9	3199.0	2872.2
69°	3836.4	2954.8	2669.2
70°	3574.7	2713.5	2353.1
71°	3303.2	2415.6	1851.2
72°	3007.0	2000.0	1258.4
73°	2710.1	1476.0	735.5
74°	2397.5	978.3	415.4
75°	2001.8	595.3	346.5
76°	1576.3	477.9	286.3
77°	1205.5	361.5	226.2
78°	910.9	245.0	202.1
79°	672.8	212.1	185.9
80°	454.2	189.4	171.3
81°	365.7	170.0	157.5
82°	278.3	153.8	144.4
83°	190.8	140.8	131.1
84°	159.8	125.5	117.3
85°	126.5	109.2	103.6
86°	101.0	94.3	89.3
87°	82.6	80.0	74.5
88°	65.4	66.1	61.1
89°	48.7	52.2	50.4

REPORT NUMBER: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-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: P1445063

CATALOG NUMBER: XAS300-SFPM (4000K-120W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)