

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: P1445075

Luminaire Tested: XAS300-SFPM (4000K-240W-T3-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445075
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-240W-T3-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
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: 32284 lumens
Efficiency: 84.1%
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 238.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

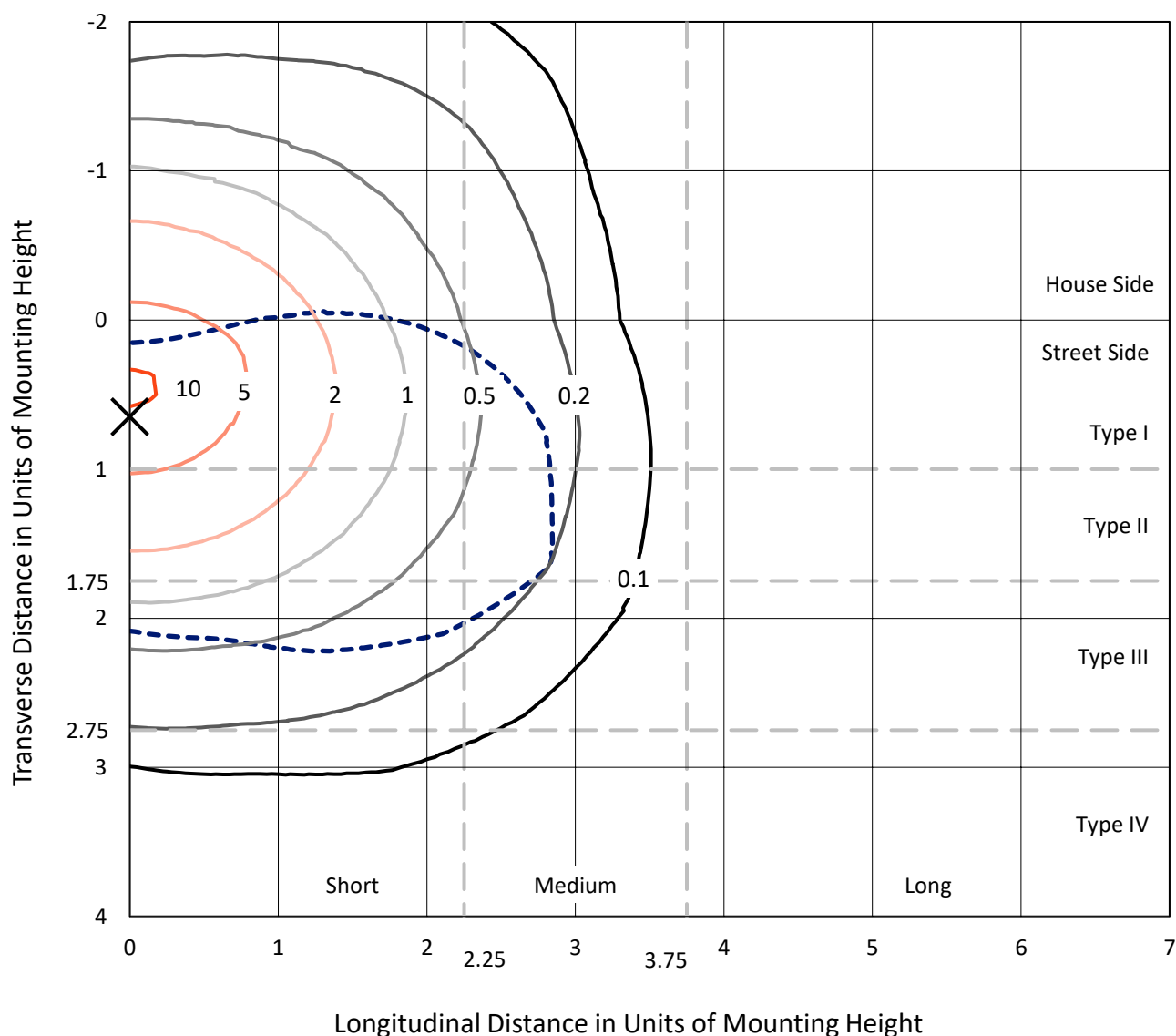
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

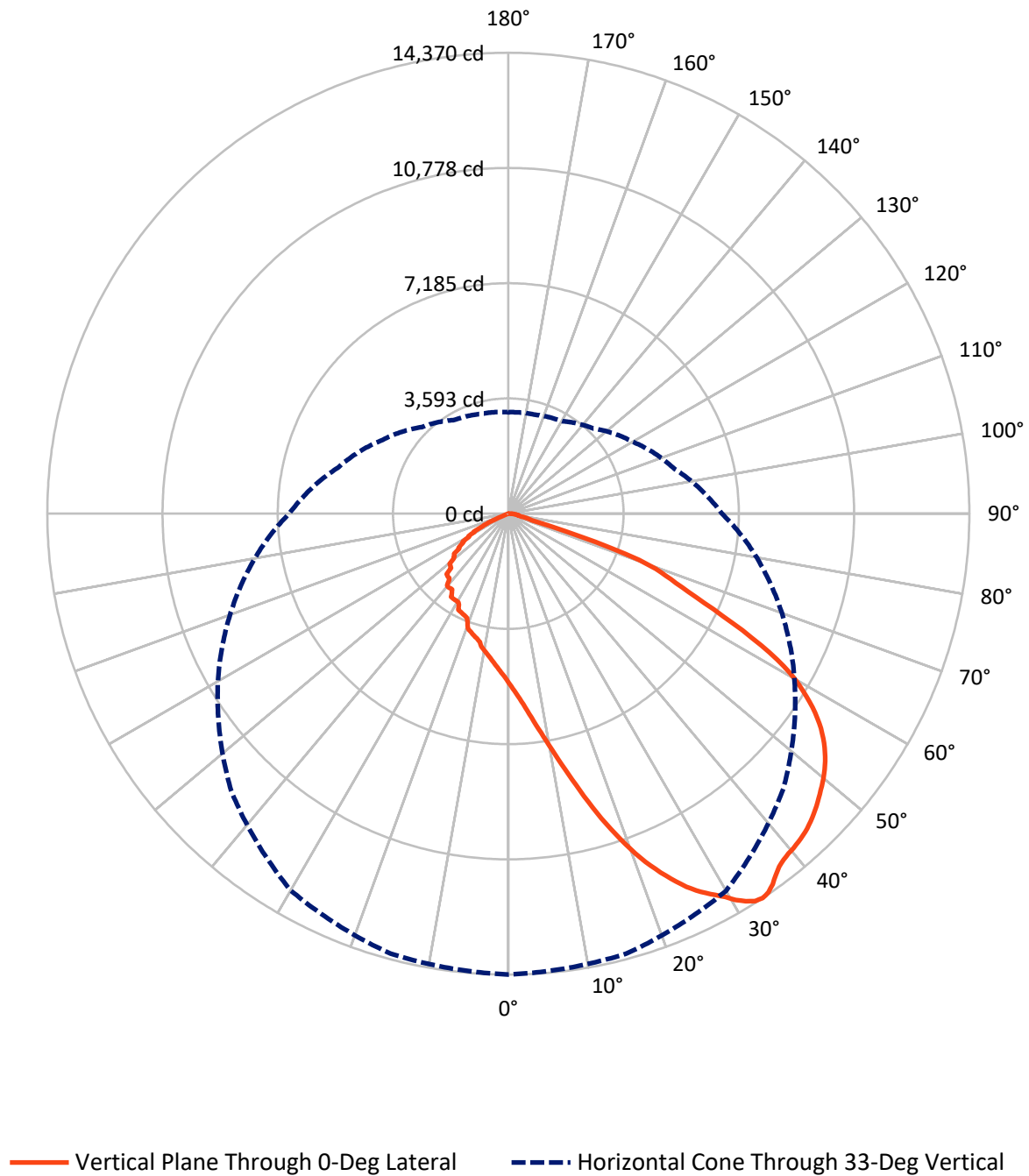


Based on 30 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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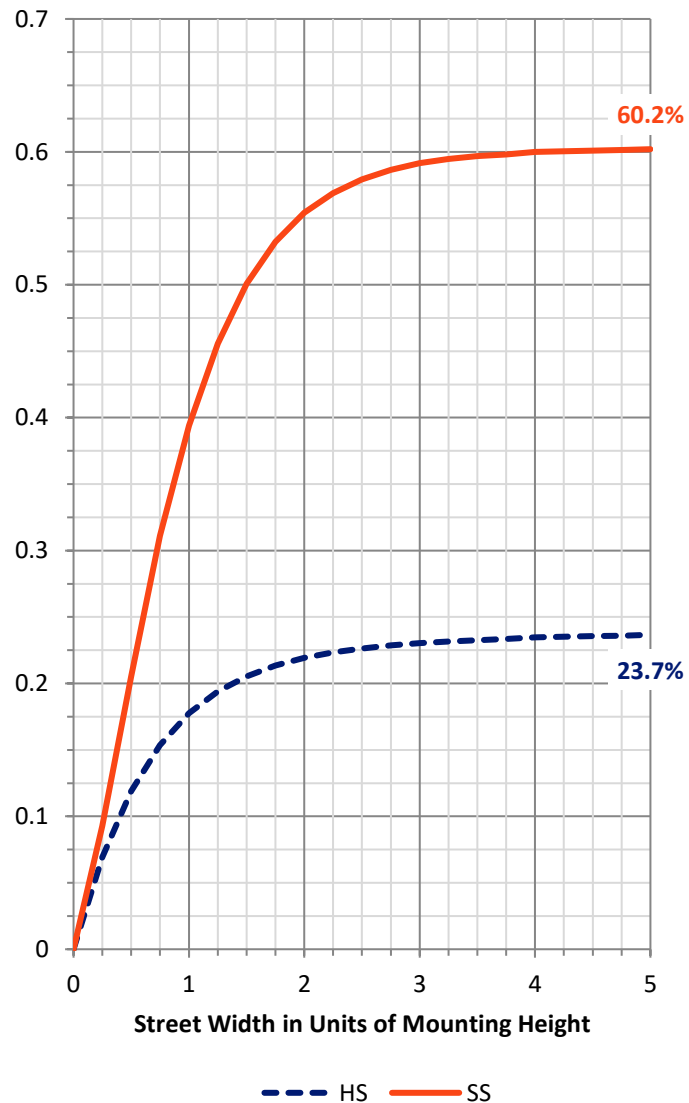
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9140.9	0.0	9140.9
	% Lamp	23.8	0.0	23.8
Street Side	Lumens	23143.0	0.0	23143.0
	% Lamp	60.3	0.0	60.3
Total	Lumens	32284.0	0.0	32284.0
	% Lamp	84.1	0.0	84.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	526.6	1.6	1.4
10°-20°	1773.4	5.5	4.6
20°-30°	3364.2	10.4	8.8
30°-40°	4956.5	15.4	12.9
40°-50°	6041.0	18.7	15.7
50°-60°	6608.1	20.5	17.2
60°-70°	5846.8	18.1	15.2
70°-80°	2896.4	9.0	7.5
80°-90°	271.0	0.8	0.7
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°	32284.0	100.0	84.1
0°-180°	32284.0	100.0	84.1

Coefficient of Utilization



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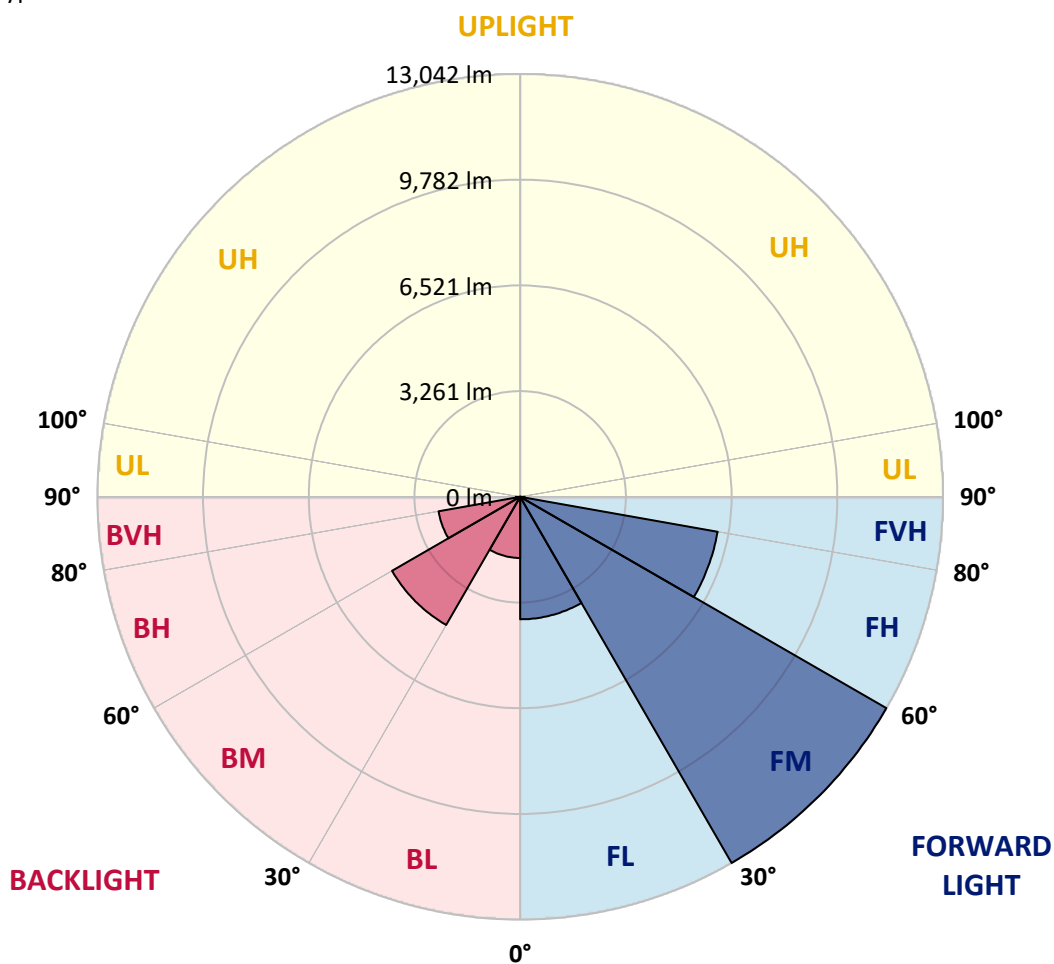
CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3778.3	9.8			
FM	(30°-60°)	13042.0	34.0			
FH	(60°-80°)	6185.2	16.1			G3/7500
FVH	(80°-90°)	137.6	0.4			G2/225
BL	(0°-30°)	1885.9	4.9	B3/2500		
BM	(30°-60°)	4563.7	11.9	B3/5000		
BH	(60°-80°)	2558.0	6.7	B4/5000		G4/5000
BVH	(80°-90°)	133.4	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		6092.0	15.9			

BUG Rating: B4-U0-G4

Type III Short



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1
1°	5451.3	5449.7	5436.9	5417.5	5390.9	5357.6	5306.4	5272.1	5239.9	5214.6	5195.9
2°	5606.7	5597.9	5567.3	5521.8	5462.5	5395.2	5306.8	5238.4	5177.0	5127.1	5090.2
3°	5775.0	5759.7	5709.7	5636.9	5541.2	5436.1	5312.0	5210.8	5121.6	5048.6	4994.8
4°	5964.5	5938.9	5868.6	5763.6	5630.3	5487.6	5324.2	5190.0	5070.7	4974.4	4907.2
5°	6171.6	6139.9	6042.4	5900.3	5730.5	5545.4	5343.0	5175.7	5026.2	4910.5	4825.8
6°	6398.8	6356.2	6234.7	6054.4	5837.3	5607.3	5362.8	5163.8	4987.5	4850.0	4746.6
7°	6642.6	6592.3	6441.9	6217.3	5951.8	5672.5	5386.2	5153.7	4951.9	4790.1	4674.0
8°	6905.2	6843.2	6663.9	6396.7	6074.5	5742.7	5412.8	5146.7	4918.6	4735.5	4608.2
9°	7187.9	7112.2	6903.9	6585.4	6206.5	5819.0	5443.9	5140.3	4885.2	4686.9	4545.6
10°	7488.7	7401.2	7154.6	6788.7	6345.0	5899.9	5475.6	5137.2	4851.7	4642.2	4486.6
11°	7812.6	7712.6	7430.3	7003.3	6492.9	5988.7	5511.6	5137.2	4822.4	4599.3	4431.8
12°	8159.5	8041.0	7719.8	7228.1	6647.9	6080.8	5537.5	5126.9	4797.6	4556.0	4382.8
13°	8531.9	8392.9	8019.6	7467.8	6816.2	6159.2	5562.4	5113.7	4761.8	4515.8	4336.1
14°	8916.4	8765.8	8337.3	7719.0	6990.7	6242.9	5597.6	5106.4	4728.5	4480.3	4268.1
15°	9317.6	9143.5	8667.4	7979.4	7153.5	6334.3	5635.8	5104.3	4696.7	4434.4	4176.3
16°	9727.3	9533.0	9003.9	8246.4	7326.7	6431.7	5686.9	5115.0	4671.1	4392.1	4133.5
17°	10138.7	9920.8	9347.9	8517.6	7502.9	6539.0	5731.4	5117.6	4654.0	4330.9	4100.8
18°	10537.4	10306.9	9685.3	8789.3	7677.4	6652.6	5782.0	5126.6	4632.2	4261.5	4071.1
19°	10930.3	10683.8	10020.9	9048.4	7865.1	6760.3	5841.1	5149.6	4619.8	4224.9	4046.1
20°	11307.2	11044.7	10345.6	9295.8	8048.2	6876.7	5906.3	5174.1	4616.0	4195.9	4019.4
21°	11663.9	11393.8	10655.2	9550.7	8241.9	6997.7	5972.8	5193.7	4615.7	4171.7	3988.4
22°	11991.1	11721.9	10952.2	9784.5	8420.9	7129.1	6027.9	5192.2	4603.4	4157.0	3953.9
23°	12309.1	12040.8	11244.9	10011.7	8609.3	7263.2	6059.7	5197.9	4578.1	4147.3	3924.1
24°	12603.5	12343.6	11525.9	10233.8	8793.5	7384.6	6101.8	5221.4	4549.1	4127.6	3775.2
25°	12886.2	12627.1	11797.6	10460.1	8971.9	7495.8	6162.5	5232.6	4530.0	4110.2	3662.3
26°	13126.0	12883.7	12063.5	10672.0	9156.1	7592.1	6225.6	5240.1	4509.8	4094.8	3637.5
27°	13336.3	13109.1	12315.8	10879.8	9339.5	7701.1	6265.9	5262.8	4512.6	4074.7	3620.2
28°	13528.9	13311.0	12549.7	11080.1	9521.2	7828.2	6324.7	5287.7	4516.9	4042.7	3602.0
29°	13733.3	13511.3	12756.7	11272.7	9686.9	7968.5	6395.5	5310.1	4513.4	3907.9	3577.1
30°	13974.8	13743.4	12969.5	11471.2	9844.3	8090.3	6473.6	5312.4	4493.2	3819.3	3552.0
31°	14172.5	13952.1	13192.4	11686.6	9975.5	8209.1	6547.8	5319.9	4490.7	3785.7	3535.8
32°	14319.7	14116.1	13399.4	11910.4	10122.7	8328.6	6605.6	5343.6	4493.6	3763.9	3516.1
33°	14370.2	14201.9	13574.3	12123.2	10299.4	8462.1	6658.4	5369.6	4479.6	3754.6	3329.2
34°	14322.2	14180.9	13670.2	12315.0	10478.6	8609.3	6726.5	5383.2	4475.2	3751.2	3290.8
35°	14189.3	14072.4	13656.8	12452.1	10647.7	8758.2	6807.9	5405.2	4479.0	3747.8	3275.1
36°	14018.5	13922.6	13564.3	12533.7	10799.9	8899.5	6888.8	5443.9	4474.6	3734.0	3266.7
37°	13866.3	13757.7	13437.2	12535.4	10892.5	9008.1	6946.5	5465.1	4470.0	3719.4	3271.4
38°	13782.1	13648.4	13311.0	12485.8	10943.8	9102.3	7003.7	5483.1	4452.8	3686.1	3274.1
39°	13733.3	13591.2	13223.5	12426.0	10950.5	9178.8	7087.4	5502.7	4335.5	3558.9	3267.1
40°	13697.2	13552.5	13174.8	12381.5	10926.1	9224.3	7162.6	5518.6	4273.4	3566.5	3229.8
41°	13655.1	13521.3	13143.6	12355.4	10920.2	9250.3	7215.5	5545.5	4293.0	3590.4	3101.4
42°	13601.3	13487.7	13115.0	12334.3	10937.0	9273.9	7247.7	5553.4	4319.3	3598.3	3106.5
43°	13533.1	13446.5	13084.7	12325.9	10959.8	9303.3	7265.3	5572.6	4324.1	3596.7	3100.7
44°	13449.8	13396.0	13049.4	12327.6	10989.2	9328.6	7273.5	5580.5	4310.3	3610.6	3070.5

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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	13349.7	13332.1	13004.0	12325.9	11023.7	9365.6	7290.8	5612.5	4326.5	3622.7	3049.6
46°	13239.5	13253.0	12951.0	12311.6	11050.6	9415.2	7314.3	5611.1	4348.7	3587.5	2948.9
47°	13123.4	13170.5	12889.6	12291.4	11072.5	9469.1	7323.3	5550.4	4346.0	3438.9	2831.7
48°	13003.1	13080.5	12820.6	12274.6	11095.2	9516.2	7361.5	5548.5	4360.3	3421.6	2830.8
49°	12883.7	12983.8	12739.8	12247.7	11121.3	9552.3	7404.7	5573.3	4293.4	3430.2	2820.9
50°	12756.7	12882.8	12652.3	12202.3	11133.0	9583.5	7444.1	5599.9	4207.8	3426.6	2807.9
51°	12612.8	12765.9	12553.9	12148.4	11148.2	9611.2	7477.5	5602.2	4210.9	3408.4	2653.3
52°	12449.6	12631.3	12444.6	12087.9	11166.7	9625.5	7489.4	5616.2	4191.8	3330.6	2619.0
53°	12268.7	12478.2	12326.8	12023.9	11172.6	9629.7	7442.4	5641.2	4218.3	3231.2	2629.7
54°	12061.8	12292.3	12198.1	11949.9	11160.0	9637.3	7390.3	5615.0	4231.1	3237.0	2636.5
55°	11826.2	12076.1	12060.9	11860.7	11128.8	9629.7	7372.3	5609.8	4231.0	3233.0	2540.7
56°	11552.8	11824.6	11902.8	11758.9	11086.8	9607.0	7361.9	5597.1	4211.7	3211.0	2468.3
57°	11244.9	11538.5	11719.4	11647.9	11038.0	9585.2	7346.3	5585.7	4154.3	3061.8	2469.8
58°	10898.3	11215.5	11504.9	11527.6	10975.7	9572.5	7298.5	5533.2	4125.5	3089.1	2413.1
59°	10519.8	10859.6	11273.5	11389.6	10907.6	9550.7	7258.1	5479.6	4127.1	3128.5	2295.5
60°	10084.0	10467.6	11005.2	11232.3	10821.8	9516.2	7209.3	5460.3	4124.8	3160.7	2301.1
61°	9537.2	10009.1	10709.1	11044.7	10712.4	9458.1	7151.4	5410.6	4107.4	3055.2	2186.8
62°	8887.8	9469.1	10370.0	10826.8	10588.8	9379.1	7056.5	5361.7	4058.8	3044.3	2163.6
63°	8150.5	8853.3	9989.0	10575.3	10444.1	9255.4	6949.8	5296.1	4064.5	3056.2	2116.3
64°	7398.3	8196.2	9554.0	10299.4	10274.1	9090.5	6819.0	5211.1	4038.7	2996.7	2027.9
65°	6713.8	7546.6	9078.7	9994.0	10084.9	8894.5	6692.9	5157.3	3946.7	3003.3	1954.9
66°	6120.5	6913.5	8570.6	9641.5	9864.5	8718.7	6529.4	5067.7	3937.1	2951.8	1922.0
67°	5653.9	6338.1	8054.3	9257.1	9613.8	8520.1	6340.6	4958.3	3971.3	2944.8	1815.2
68°	5279.0	5837.7	7536.6	8823.0	9323.5	8280.5	6062.4	4822.1	4005.3	2950.5	1737.5
69°	4905.9	5407.1	7011.1	8353.8	8976.9	7992.9	5786.6	4656.4	3968.6	2939.1	1659.8
70°	4324.8	4963.4	6492.5	7867.2	8584.1	7625.2	5361.6	4418.0	3877.8	2951.4	1582.9
71°	3402.5	4386.4	5986.8	7371.7	8157.0	7150.0	4800.4	4091.3	3807.1	2945.1	1555.7
72°	2312.8	3587.9	5477.4	6878.2	7695.8	6620.9	4250.5	3746.5	3729.8	3010.7	1545.0
73°	1351.9	2619.6	4924.9	6376.6	7194.5	5979.9	3735.8	3442.1	3575.4	2982.9	1497.6
74°	763.4	1676.1	4319.5	5865.3	6628.3	5283.7	3261.2	3189.4	3415.4	2974.9	1504.0
75°	636.8	985.3	3644.6	5305.3	6004.5	4529.8	2695.4	2926.0	3271.1	2949.8	1473.2
76°	526.3	799.1	2893.0	4660.8	5288.1	3727.8	1895.6	2548.5	3149.8	2878.6	1399.4
77°	415.7	616.2	2181.7	3858.0	4482.2	2765.3	1097.9	1906.7	3037.4	2730.9	1287.9
78°	371.4	433.3	1635.0	2871.3	3575.8	1762.2	507.6	1265.0	2944.6	2491.4	1140.6
79°	341.6	382.2	1195.8	1829.1	2665.7	922.9	253.3	625.9	2669.9	2083.3	988.5
80°	314.8	343.1	861.6	990.4	1786.3	696.3	218.0	466.1	1979.9	1675.1	868.8
81°	289.5	308.5	689.4	771.3	1010.4	471.3	182.8	306.4	1289.9	1269.5	887.5
82°	265.4	278.7	519.3	573.0	749.4	246.3	147.6	148.8	604.7	1039.9	833.7
83°	241.0	253.0	349.3	374.7	495.3	204.0	126.1	118.1	454.3	887.2	667.6
84°	215.6	225.9	295.0	328.9	241.1	174.0	105.2	92.7	303.9	702.0	459.3
85°	190.3	198.7	235.1	286.8	189.8	143.7	85.0	71.9	154.0	499.8	303.5
86°	164.1	172.3	184.6	244.4	151.9	112.8	65.3	54.4	129.3	400.5	215.6
87°	136.9	147.0	152.3	196.8	119.3	84.9	46.6	40.0	101.2	301.3	127.8
88°	112.2	121.8	122.1	140.9	91.0	63.8	32.9	28.5	66.1	202.1	77.8
89°	92.6	96.5	92.4	82.9	69.9	42.9	19.2	17.1	45.6	102.9	53.2



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1	5314.1
1°	5185.9	5184.1	5192.9	5210.6	5233.9	5264.9	5297.7	5317.6	5349.5	5380.7	5408.5
2°	5070.1	5065.1	5078.9	5109.3	5152.7	5209.4	5273.0	5329.0	5394.8	5461.0	5519.4
3°	4963.8	4955.9	4972.8	5013.7	5076.2	5157.8	5252.6	5343.1	5444.8	5546.5	5639.9
4°	4866.4	4855.5	4877.0	4926.3	5005.7	5110.7	5234.6	5362.8	5501.2	5640.6	5769.4
5°	4774.5	4760.9	4785.6	4845.5	4940.5	5067.7	5220.3	5383.6	5559.0	5742.6	5912.4
6°	4686.7	4670.9	4697.6	4765.2	4877.7	5026.8	5209.1	5408.4	5621.5	5849.0	6065.4
7°	4604.6	4587.0	4616.0	4692.0	4814.8	4988.9	5199.6	5435.4	5689.6	5964.9	6227.7
8°	4529.4	4507.3	4539.8	4626.3	4759.3	4951.5	5191.4	5463.1	5761.6	6087.4	6401.0
9°	4455.6	4429.0	4465.3	4561.5	4709.8	4914.1	5183.5	5494.0	5836.9	6217.1	6588.2
10°	4385.8	4357.1	4396.0	4498.5	4662.2	4878.7	5179.6	5527.7	5917.3	6353.7	6786.5
11°	4324.3	4292.6	4330.7	4441.0	4615.8	4848.8	5178.7	5568.4	6003.7	6499.9	6998.7
12°	4269.3	4223.2	4271.0	4387.9	4572.3	4825.1	5166.1	5594.5	6095.6	6653.6	7221.9
13°	4166.7	4096.9	4169.2	4337.3	4529.0	4787.9	5159.2	5627.3	6173.8	6820.0	7460.5
14°	4085.6	4043.5	4086.4	4269.9	4491.4	4756.2	5152.1	5657.2	6258.3	6988.1	7708.2
15°	4043.0	3997.4	4040.8	4171.3	4445.2	4727.5	5152.5	5698.4	6346.0	7149.7	7972.5
16°	4002.6	3954.9	3999.2	4130.3	4405.5	4706.7	5156.7	5749.8	6443.8	7321.4	8242.1
17°	3967.3	3915.2	3963.9	4096.9	4354.5	4684.9	5165.1	5796.0	6557.8	7498.4	8522.7
18°	3929.1	3870.6	3924.9	4067.7	4287.0	4669.1	5179.6	5848.9	6659.4	7685.5	8791.9
19°	3890.8	3828.3	3887.7	4044.9	4243.3	4665.0	5204.2	5915.3	6774.6	7874.1	9055.2
20°	3852.1	3781.7	3852.5	4018.5	4216.5	4667.1	5230.0	5984.8	6890.4	8073.1	9318.5
21°	3808.5	3621.6	3813.4	3986.7	4199.1	4667.3	5247.9	6047.0	7021.2	8267.0	9568.3
22°	3612.2	3504.1	3628.5	3956.8	4188.6	4657.4	5253.2	6102.1	7155.8	8462.1	9807.2
23°	3535.9	3471.5	3551.9	3933.4	4179.1	4640.6	5270.5	6142.4	7286.5	8658.1	10045.3
24°	3507.9	3448.8	3527.3	3785.5	4161.3	4624.4	5302.0	6194.3	7407.8	8850.7	10280.0
25°	3490.1	3429.9	3510.2	3686.2	4144.2	4610.6	5315.2	6265.3	7515.4	9045.1	10497.9
26°	3473.3	3410.1	3495.5	3670.7	4134.1	4588.4	5333.8	6326.5	7626.8	9236.9	10720.0
27°	3455.2	3395.5	3479.7	3657.5	4111.3	4598.0	5363.9	6379.9	7750.7	9427.8	10934.5
28°	3441.8	3377.9	3467.6	3638.2	4083.7	4605.0	5393.9	6447.9	7893.2	9606.2	11151.6
29°	3426.1	3229.5	3453.4	3615.2	3953.7	4592.6	5413.1	6528.7	8036.8	9780.3	11361.9
30°	3256.0	3168.6	3280.8	3595.6	3867.9	4575.5	5418.0	6611.4	8159.2	9941.8	11575.5
31°	3207.1	3162.1	3233.5	3578.4	3833.9	4575.3	5439.7	6687.3	8301.4	10102.5	11803.5
32°	3198.3	3162.3	3225.0	3558.0	3818.7	4579.2	5472.5	6749.3	8455.4	10275.8	12012.2
33°	3192.9	3161.0	3220.5	3371.2	3814.2	4563.4	5508.1	6828.2	8622.8	10450.0	12215.7
34°	3186.6	3154.4	3213.3	3333.4	3811.9	4562.0	5523.2	6921.4	8772.5	10625.8	12386.5
35°	3175.5	3148.1	3202.2	3317.5	3808.3	4562.2	5556.4	7013.4	8904.6	10790.7	12500.1
36°	3163.1	3028.5	3188.2	3311.5	3792.3	4557.0	5595.9	7101.7	9019.8	10901.7	12540.5
37°	3038.2	2943.1	3047.3	3316.7	3779.4	4549.5	5621.5	7161.9	9114.9	10962.3	12526.2
38°	2937.5	2945.0	2962.9	3317.2	3740.1	4534.1	5643.2	7226.5	9188.1	10977.4	12468.1
39°	2930.6	2953.4	2955.1	3316.4	3617.4	4421.7	5649.0	7295.3	9238.6	10964.0	12401.6
40°	2929.0	2957.1	2949.6	3270.3	3637.7	4364.1	5655.6	7340.5	9268.8	10956.4	12355.4
41°	2913.7	2943.5	2931.7	3154.6	3663.2	4381.8	5661.8	7372.8	9284.0	10964.0	12328.5
42°	2881.7	2780.9	2899.7	3159.1	3661.4	4404.5	5669.8	7401.8	9310.9	10979.9	12323.4
43°	2721.4	2725.4	2742.7	3146.5	3665.2	4390.4	5687.5	7426.0	9339.5	11002.7	12334.3
44°	2658.1	2721.2	2686.3	3116.7	3676.8	4381.8	5705.0	7443.1	9379.1	11028.7	12339.4

REPORT NUMBER: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	2652.8	2712.0	2681.8	3096.7	3688.6	4398.7	5735.5	7471.4	9425.3	11054.0	12336.0
46°	2643.5	2695.0	2669.9	2973.6	3634.9	4427.1	5713.7	7490.4	9473.3	11086.8	12332.7
47°	2619.1	2461.8	2650.0	2889.9	3500.4	4431.4	5658.6	7507.5	9513.7	11123.8	12321.7
48°	2416.6	2439.6	2450.0	2889.6	3490.0	4447.2	5668.2	7547.1	9548.1	11153.2	12300.7
49°	2405.0	2421.8	2445.8	2874.2	3499.4	4361.4	5695.6	7582.2	9584.3	11176.0	12262.8
50°	2403.0	2404.3	2446.3	2866.5	3490.7	4305.8	5717.4	7612.0	9616.3	11198.7	12214.1
51°	2400.4	2213.2	2446.8	2703.7	3475.9	4310.5	5720.6	7635.4	9633.1	11210.4	12163.6
52°	2254.4	2145.3	2291.0	2681.7	3359.2	4301.5	5733.8	7633.3	9639.0	11212.1	12109.7
53°	2208.9	2131.5	2252.2	2694.8	3305.8	4330.4	5750.3	7570.0	9645.7	11200.3	12044.1
54°	2195.7	2103.7	2238.4	2706.8	3314.1	4333.5	5728.5	7512.2	9635.6	11170.9	11968.4
55°	2167.0	1880.2	2198.6	2587.1	3313.6	4334.5	5723.5	7490.9	9609.6	11130.5	11888.5
56°	1985.2	1878.9	2028.1	2539.7	3290.7	4328.5	5703.8	7476.4	9579.3	11087.6	11793.4
57°	1988.8	1769.6	2034.3	2540.7	3159.6	4253.7	5689.9	7455.0	9557.4	11032.1	11677.3
58°	1864.5	1661.6	1898.6	2458.3	3195.1	4243.2	5611.9	7401.5	9529.6	10964.0	11537.7
59°	1791.8	1666.1	1839.7	2378.3	3238.8	4243.7	5580.4	7350.3	9492.6	10884.0	11377.0
60°	1729.6	1424.7	1779.8	2392.6	3267.7	4237.6	5534.6	7284.3	9435.4	10784.8	11200.3
61°	1667.3	1427.8	1719.9	2267.3	3166.2	4206.9	5477.3	7229.3	9362.2	10672.9	11008.5
62°	1600.9	1210.3	1657.2	2257.1	3161.6	4156.6	5412.9	7137.5	9241.1	10536.6	10794.9
63°	1392.7	1201.8	1446.8	2193.7	3153.8	4153.1	5337.3	7026.8	9084.6	10376.8	10550.1
64°	1379.2	939.0	1418.2	2126.2	3115.0	4112.6	5255.1	6888.4	8893.7	10194.2	10268.2
65°	1169.9	831.9	1215.9	2041.7	3127.3	4010.5	5172.7	6750.3	8714.5	9986.4	9946.1
66°	1016.6	673.3	1047.7	2027.9	3076.1	4025.6	5071.7	6549.4	8513.4	9751.7	9592.7
67°	925.0	448.4	915.4	1921.5	3067.9	4050.9	4941.8	6331.4	8279.5	9488.4	9200.7
68°	731.7	223.5	755.2	1834.8	3059.4	4065.3	4779.0	6006.6	8011.5	9183.0	8790.2
69°	486.6	0.5	508.2	1748.3	3048.3	3980.3	4588.2	5651.2	7677.5	8838.1	8346.8
70°	471.3	0.4	488.9	1663.6	3063.0	3868.6	4295.7	5132.9	7272.3	8444.4	7864.9
71°	470.3	0.4	471.8	1639.4	3048.5	3764.1	3919.4	4531.0	6746.2	8012.6	7346.3
72°	447.6	0.4	436.6	1619.0	3107.3	3656.7	3567.1	3977.8	6180.0	7545.5	6836.6
73°	402.3	0.4	373.2	1556.0	3057.4	3485.7	3299.1	3479.5	5493.3	7010.8	6314.7
74°	346.5	0.4	296.0	1532.2	2987.0	3328.7	3062.1	2952.8	4761.5	6395.7	5783.8
75°	277.9	0.4	244.6	1469.4	2914.9	3208.6	2699.9	2242.3	3998.8	5700.2	5198.4
76°	208.9	0.4	226.1	1374.8	2760.4	3095.0	2046.1	1387.3	3155.2	4943.1	4551.3
77°	158.8	0.5	251.7	1251.0	2533.7	2976.2	1392.2	668.8	2177.7	4106.8	3727.6
78°	171.6	0.5	287.7	1105.4	2243.8	2723.8	745.5	439.1	1235.4	3204.4	2672.8
79°	237.2	0.6	231.9	985.4	1895.7	2057.3	311.8	221.9	908.0	2326.0	1620.8
80°	249.0	0.7	176.2	921.5	1547.6	1390.8	233.1	188.0	587.7	1504.1	826.6
81°	199.6	0.8	120.5	862.1	1204.1	724.6	155.8	163.7	267.3	821.5	663.1
82°	150.2	0.9	64.0	735.3	1005.9	535.2	125.1	141.3	222.2	611.7	517.0
83°	101.0	1.1	33.7	474.9	779.0	345.8	101.6	120.2	191.2	417.6	371.0
84°	58.8	1.2	26.8	342.4	510.6	157.5	82.4	99.4	162.7	223.5	325.8
85°	35.6	1.4	19.9	210.0	364.9	130.5	65.1	79.3	133.7	175.9	283.5
86°	27.4	1.6	13.2	81.0	219.2	104.5	49.6	59.5	104.3	139.8	240.0
87°	19.3	1.8	11.1	47.4	74.8	77.4	36.1	39.7	78.2	109.1	190.8
88°	11.2	2.0	9.1	32.9	51.3	53.2	25.5	23.3	56.7	82.4	130.0
89°	7.0	2.2	6.3	18.3	27.8	29.0	14.9	10.2	35.2	64.2	73.3

REPORT NUMBER: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075
CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5314.1	5314.1	5314.1
1°	5431.3	5444.5	5451.3
2°	5566.5	5596.1	5606.7
3°	5713.0	5760.2	5775.0
4°	5874.3	5942.9	5964.5
5°	6051.2	6142.2	6171.6
6°	6241.6	6361.2	6398.8
7°	6449.5	6594.2	6642.6
8°	6666.6	6844.8	6905.2
9°	6904.9	7114.1	7187.9
10°	7155.0	7403.2	7488.7
11°	7424.2	7713.0	7812.6
12°	7709.0	8039.3	8159.5
13°	8012.1	8391.3	8531.9
14°	8327.8	8759.9	8916.4
15°	8659.8	9140.1	9317.6
16°	9000.5	9532.2	9727.3
17°	9356.3	9930.9	10138.7
18°	9702.1	10325.5	10537.4
19°	10040.3	10701.5	10930.3
20°	10370.0	11064.1	11307.2
21°	10688.9	11409.8	11663.9
22°	10986.7	11730.3	11991.1
23°	11275.2	12047.5	12309.1
24°	11552.8	12355.4	12603.5
25°	11828.8	12643.9	12886.2
26°	12102.2	12912.3	13126.0
27°	12359.6	13141.1	13336.3
28°	12586.7	13339.6	13528.9
29°	12797.0	13541.5	13733.3
30°	13010.7	13768.7	13974.8
31°	13233.6	13977.3	14172.5
32°	13431.3	14127.9	14319.7
33°	13564.3	14198.5	14370.2
34°	13624.0	14180.9	14322.2
35°	13600.4	14072.4	14189.3
36°	13524.7	13915.9	14018.5
37°	13402.7	13754.4	13866.3
38°	13288.3	13650.1	13782.1
39°	13213.5	13591.2	13733.3
40°	13166.3	13558.4	13697.2
41°	13136.1	13530.6	13655.1
42°	13103.2	13498.6	13601.3
43°	13070.4	13462.5	13533.1
44°	13037.6	13414.5	13449.8

REPORT NUMBER: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	12998.1	13348.9	13349.7
46°	12953.5	13267.3	13239.5
47°	12903.9	13178.1	13123.4
48°	12843.3	13081.4	13003.1
49°	12765.1	12983.8	12883.7
50°	12670.8	12882.8	12756.7
51°	12568.2	12771.0	12612.8
52°	12453.0	12641.4	12449.6
53°	12333.5	12484.1	12268.7
54°	12209.0	12298.2	12061.8
55°	12076.9	12078.6	11826.2
56°	11922.1	11828.8	11552.8
57°	11740.4	11550.3	11244.9
58°	11520.9	11220.5	10898.3
59°	11278.6	10863.0	10519.8
60°	11006.9	10475.2	10084.0
61°	10697.3	10035.2	9537.2
62°	10354.9	9502.7	8887.8
63°	9976.3	8887.8	8150.5
64°	9566.6	8217.7	7398.3
65°	9104.0	7554.6	6713.8
66°	8604.3	6937.2	6120.5
67°	8088.1	6383.0	5653.9
68°	7555.7	5879.7	5279.0
69°	7051.2	5430.7	4905.9
70°	6570.1	4987.2	4324.8
71°	6071.1	4439.8	3402.5
72°	5526.7	3676.0	2312.8
73°	4981.1	2712.9	1351.9
74°	4406.5	1798.1	763.4
75°	3679.3	1094.1	636.8
76°	2897.3	878.3	526.3
77°	2215.8	664.4	415.7
78°	1674.2	450.4	371.4
79°	1236.5	389.8	341.6
80°	834.7	348.1	314.8
81°	672.1	312.5	289.5
82°	511.4	282.7	265.4
83°	350.7	258.8	241.0
84°	293.8	230.6	215.6
85°	232.4	200.7	190.3
86°	185.7	173.3	164.1
87°	151.8	147.0	136.9
88°	120.3	121.5	112.2
89°	89.4	96.0	92.6

REPORT NUMBER: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0

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CATALOG NUMBER: XAS300-SFPM (4000K-240W-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: P1445075

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T3-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)