

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: P1445053

Luminaire Tested: XAS300-SFPM (3000K-240W-T4-HSS)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445053
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/5/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (3000K-240W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 38695 (1 lamp)
Luminaire Lumens: 30207.6 lumens
Efficiency: 78.1%
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 242.2
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

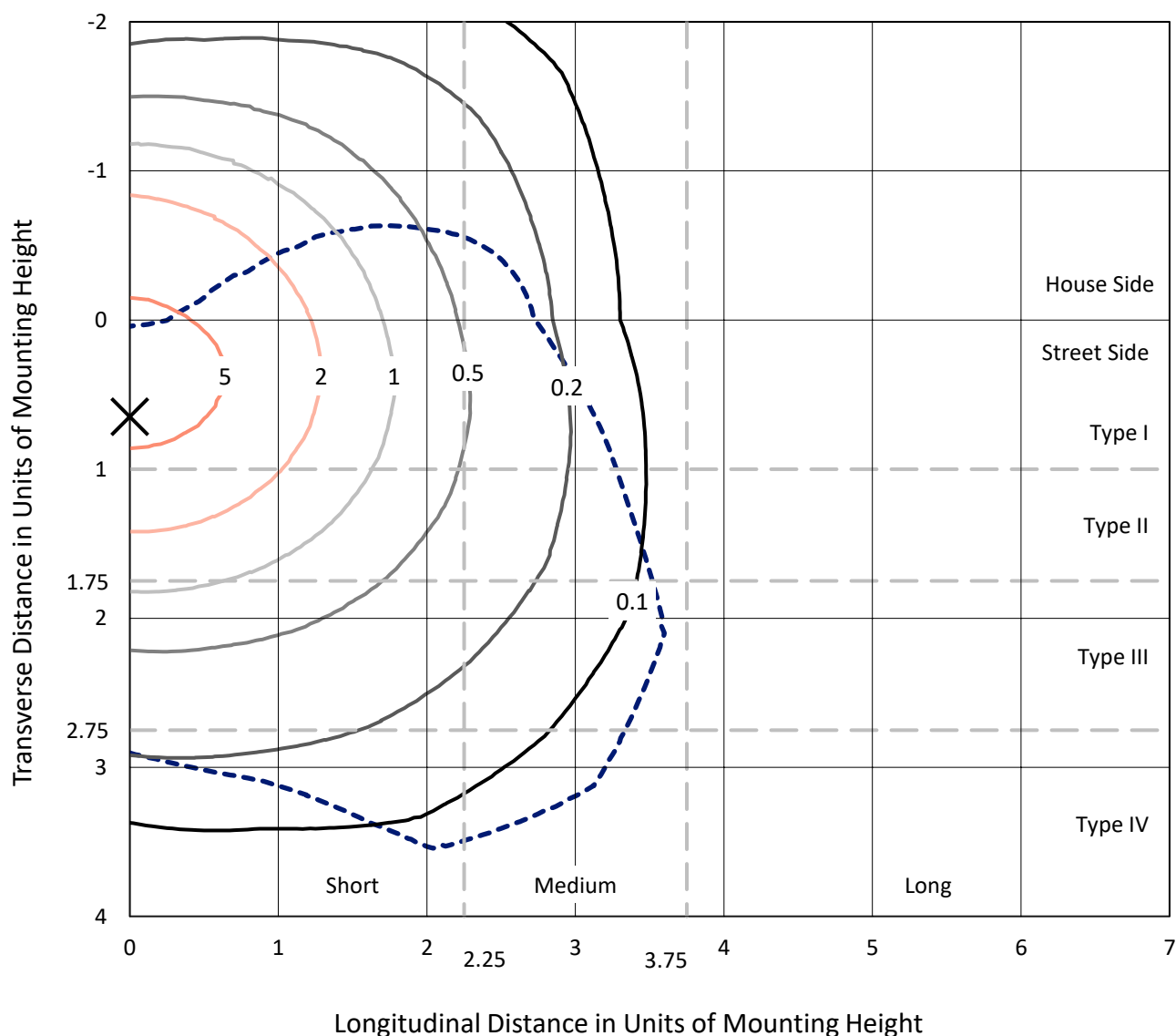
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

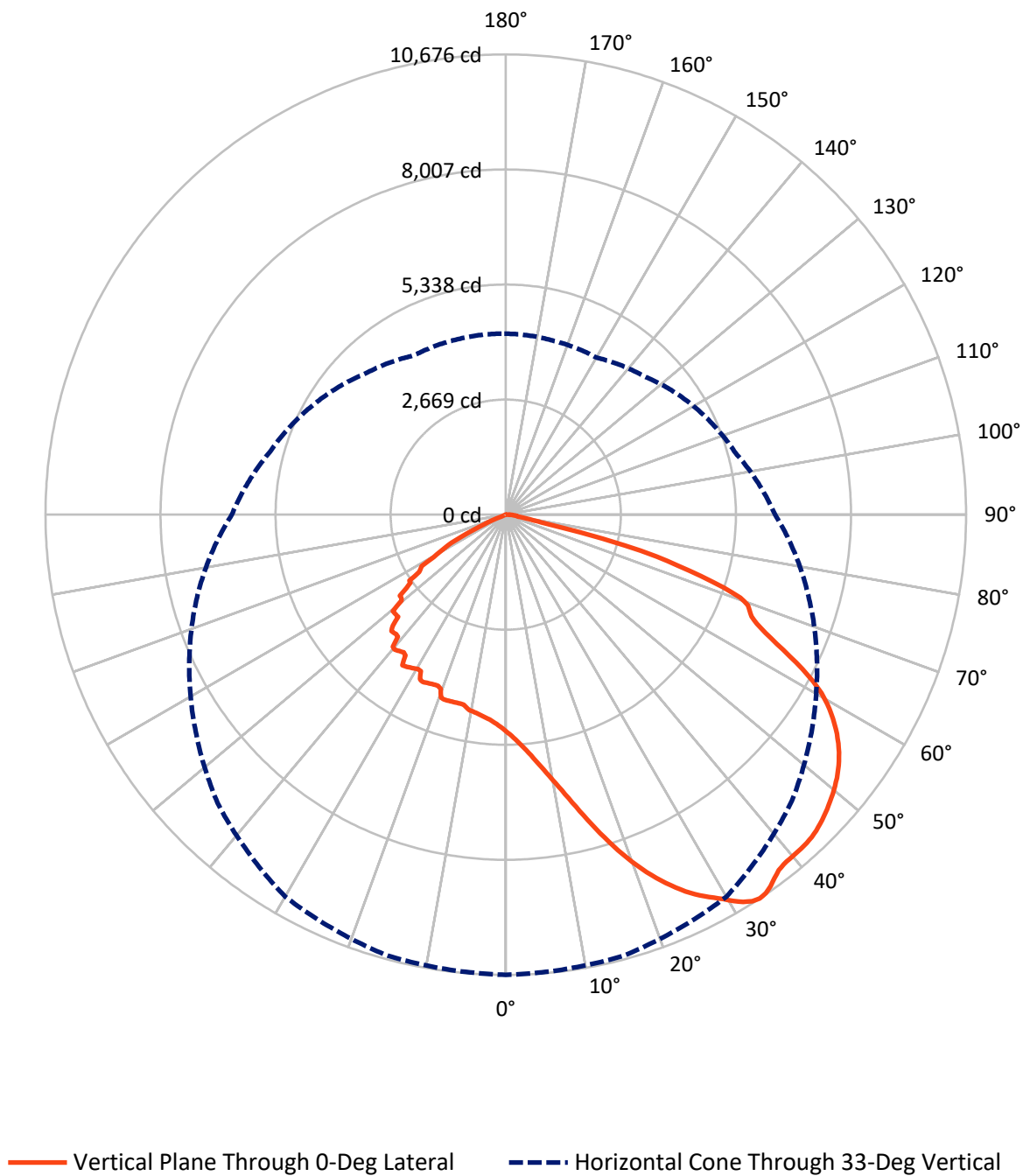


Based on 30 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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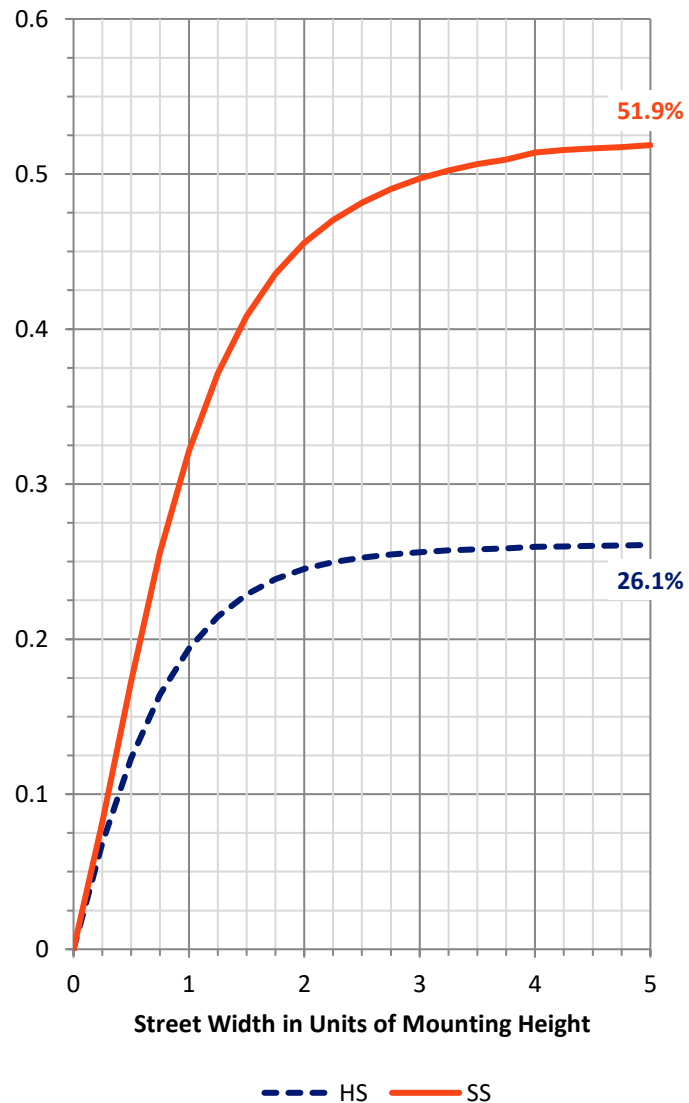
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10143.7	0.0	10143.7
	% Lamp	26.2	0.0	26.2
Street Side	Lumens	20063.9	0.0	20063.9
	% Lamp	51.9	0.0	51.9
Total	Lumens	30207.6	0.0	30207.6
	% Lamp	78.1	0.0	78.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	496.8	1.6	1.3
10°-20°	1628.3	5.4	4.2
20°-30°	3000.3	9.9	7.8
30°-40°	4375.4	14.5	11.3
40°-50°	5400.4	17.9	14.0
50°-60°	6031.6	20.0	15.6
60°-70°	5649.5	18.7	14.6
70°-80°	3350.3	11.1	8.7
80°-90°	275.0	0.9	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°	30207.6	100.0	78.1
0°-180°	30207.6	100.0	78.1

Coefficient of Utilization



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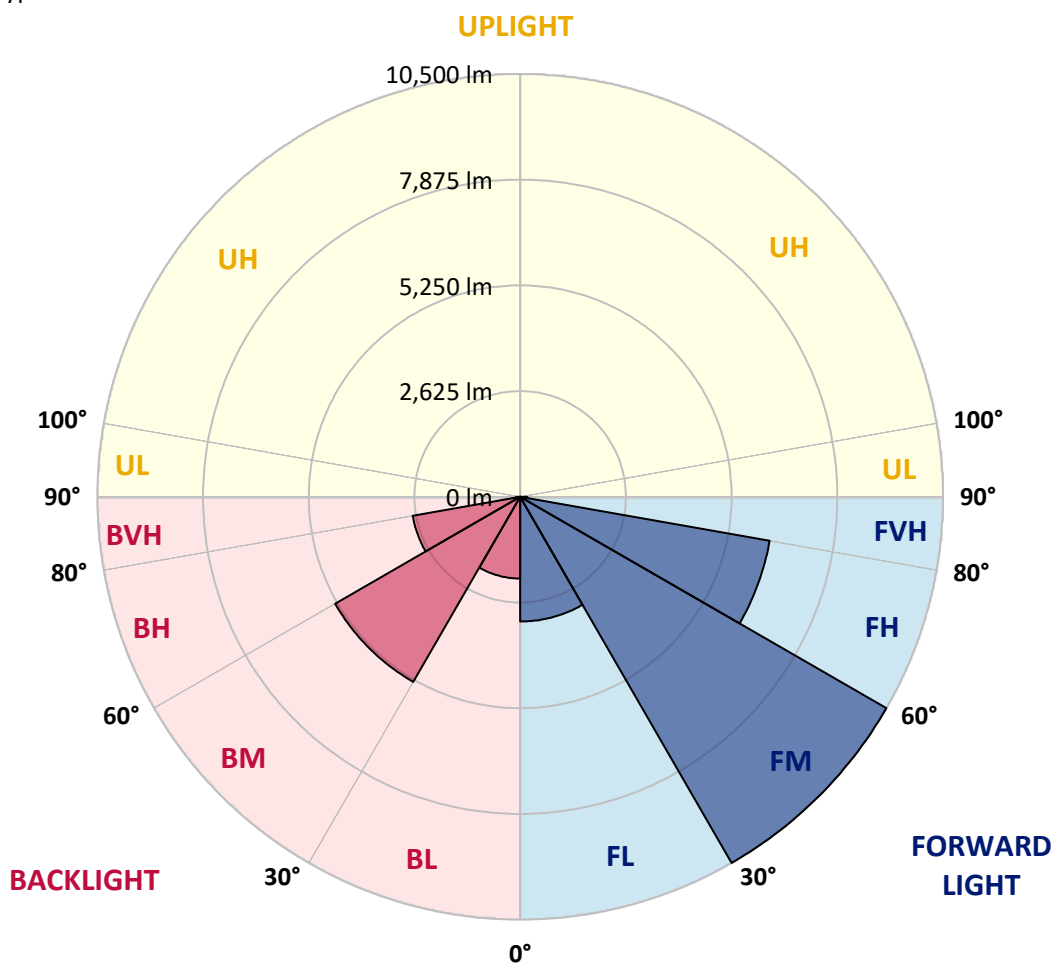
CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3095.9	8.0			
FM	(30°-60°)	10499.8	27.1			
FH	(60°-80°)	6289.7	16.3			G3/7500
FVH	(80°-90°)	178.4	0.5			G2/225
BL	(0°-30°)	2029.5	5.2	B3/2500		
BM	(30°-60°)	5307.6	13.7	B4/8500		
BH	(60°-80°)	2710.0	7.0	B4/5000		G4/5000
BVH	(80°-90°)	96.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		8487.4	21.9			

BUG Rating: B4-U0-G4

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0
1°	5131.9	5132.3	5126.1	5116.2	5102.7	5083.8	5047.5	5028.4	5010.8	4997.7	4987.4
2°	5221.6	5218.1	5200.9	5175.2	5144.1	5106.0	5049.6	5011.8	4977.7	4950.1	4929.9
3°	5319.5	5312.3	5284.5	5243.5	5191.1	5132.5	5055.9	4999.5	4949.9	4908.7	4881.0
4°	5430.4	5417.5	5378.3	5319.9	5245.7	5165.8	5067.6	4992.3	4925.4	4873.1	4837.6
5°	5551.9	5533.9	5479.9	5402.1	5307.3	5204.0	5084.9	4990.1	4907.6	4843.8	4800.4
6°	5683.6	5660.0	5593.4	5494.7	5374.5	5244.7	5103.4	4991.1	4893.4	4818.1	4765.4
7°	5828.5	5800.6	5716.6	5595.3	5445.9	5287.8	5123.3	4993.0	4882.3	4795.8	4738.7
8°	5981.3	5947.3	5849.8	5702.8	5523.0	5335.6	5146.8	4997.6	4873.1	4778.7	4718.5
9°	6150.5	6108.1	5993.5	5818.0	5606.2	5387.6	5173.5	5003.6	4864.7	4768.0	4701.1
10°	6332.9	6283.3	6146.4	5941.2	5694.7	5442.5	5200.6	5010.8	4857.4	4759.5	4686.8
11°	6526.7	6469.4	6313.0	6074.9	5788.3	5501.7	5231.7	5021.1	4855.0	4752.8	4674.9
12°	6735.4	6668.9	6488.0	6215.0	5886.6	5564.0	5252.9	5022.4	4857.7	4747.6	4668.3
13°	6964.9	6884.7	6674.8	6365.0	5992.1	5616.3	5276.7	5025.1	4848.3	4744.3	4661.6
14°	7204.6	7111.3	6868.9	6520.5	6104.0	5673.2	5305.2	5028.9	4842.8	4745.0	4611.3
15°	7452.5	7349.7	7074.1	6679.8	6207.3	5733.8	5337.6	5040.2	4837.7	4734.7	4580.0
16°	7706.2	7586.6	7284.2	6847.7	6318.5	5801.0	5381.9	5060.7	4839.6	4718.2	4580.9
17°	7958.1	7830.8	7496.2	7019.3	6432.7	5875.6	5421.4	5075.5	4846.3	4679.6	4587.0
18°	8207.1	8068.9	7709.5	7194.1	6545.0	5956.2	5466.1	5097.0	4852.1	4656.7	4595.6
19°	8451.5	8302.4	7921.4	7365.1	6667.3	6033.0	5519.5	5129.4	4865.1	4656.2	4608.2
20°	8688.0	8531.9	8126.7	7519.4	6789.1	6114.7	5577.1	5164.9	4886.6	4660.1	4618.9
21°	8909.7	8751.2	8325.8	7686.3	6919.0	6205.1	5634.2	5193.4	4907.1	4667.3	4620.1
22°	9119.7	8958.9	8517.0	7837.1	7039.1	6301.4	5682.0	5204.1	4912.8	4685.9	4619.3
23°	9318.8	9161.1	8705.2	7985.4	7165.6	6399.7	5711.4	5223.4	4893.7	4703.7	4581.2
24°	9508.5	9351.6	8887.1	8133.0	7290.4	6488.3	5750.4	5258.5	4899.3	4712.4	4428.4
25°	9685.7	9538.2	9064.3	8281.3	7414.0	6568.6	5804.5	5279.0	4904.3	4721.8	4375.2
26°	9841.8	9701.3	9236.8	8422.6	7540.3	6637.2	5857.8	5300.7	4910.4	4737.1	4383.2
27°	9978.4	9849.6	9400.8	8560.8	7665.8	6715.9	5896.7	5336.9	4937.5	4739.1	4395.9
28°	10110.4	9983.1	9555.3	8696.6	7788.9	6808.6	5949.8	5373.7	4964.5	4649.2	4404.2
29°	10243.1	10118.2	9695.1	8823.8	7901.1	6908.3	6017.0	5403.7	4975.3	4563.5	4410.8
30°	10403.9	10272.0	9834.0	8955.0	8008.1	6994.5	6085.7	5421.6	4981.5	4522.9	4419.3
31°	10535.8	10413.3	9979.2	9097.9	8093.9	7079.1	6147.3	5446.3	5003.1	4514.3	4432.1
32°	10635.8	10524.9	10115.1	9247.0	8193.9	7167.2	6197.5	5483.2	5027.9	4519.3	4327.4
33°	10675.6	10589.7	10232.9	9387.5	8312.5	7265.3	6247.1	5517.4	5031.7	4537.1	4206.5
34°	10653.7	10582.7	10301.6	9516.3	8437.4	7369.7	6309.6	5538.3	5047.9	4557.2	4197.4
35°	10581.1	10522.6	10300.9	9612.3	8556.1	7476.0	6380.9	5569.4	5062.3	4571.3	4203.6
36°	10483.5	10435.1	10249.3	9673.2	8661.5	7574.6	6450.5	5607.5	5072.9	4574.9	4218.4
37°	10397.7	10336.8	10175.2	9684.1	8730.9	7650.2	6502.5	5635.8	5065.9	4570.2	4244.2
38°	10360.2	10274.3	10104.9	9663.1	8773.9	7720.1	6557.8	5661.7	4980.7	4454.4	4256.2
39°	10348.5	10244.7	10058.1	9634.2	8787.9	7780.9	6632.1	5686.2	4917.1	4391.2	4260.9
40°	10345.4	10229.0	10036.2	9616.2	8786.4	7824.6	6702.5	5711.7	4897.9	4419.7	4113.1
41°	10342.2	10220.5	10025.3	9610.0	8798.9	7858.2	6756.3	5729.8	4931.0	4449.2	4050.5
42°	10332.1	10211.9	10019.0	9608.4	8826.2	7891.7	6794.5	5739.9	4963.9	4449.1	4070.7
43°	10309.5	10201.7	10014.4	9616.2	8858.2	7921.4	6821.3	5773.0	4952.5	4459.4	4065.4
44°	10275.9	10186.1	10005.8	9631.1	8893.3	7952.6	6843.4	5805.4	4954.0	4487.2	4060.9

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CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	10228.3	10161.1	9992.5	9645.9	8926.1	7994.0	6870.3	5846.6	4981.9	4506.9	4059.6
46°	10173.6	10129.1	9975.3	9655.3	8958.9	8044.0	6897.6	5832.9	5013.0	4378.8	3861.8
47°	10110.4	10094.0	9955.0	9662.3	8991.7	8096.3	6918.1	5796.7	5019.7	4288.4	3810.3
48°	10044.8	10052.6	9932.4	9670.9	9023.7	8145.4	6957.0	5814.0	5015.8	4296.0	3824.8
49°	9974.5	10010.5	9903.5	9674.0	9061.2	8191.5	7001.4	5849.7	4924.0	4323.2	3824.5
50°	9898.0	9966.7	9869.9	9666.2	9089.3	8232.9	7041.0	5874.7	4880.2	4321.6	3800.7
51°	9813.7	9913.7	9829.3	9651.4	9122.1	8268.0	7072.7	5882.2	4888.1	4314.8	3586.0
52°	9716.9	9852.0	9784.1	9638.1	9158.0	8300.8	7070.5	5905.2	4889.1	4160.5	3582.5
53°	9612.3	9777.8	9732.5	9623.2	9188.4	8324.2	7033.8	5916.5	4924.8	4115.8	3608.9
54°	9495.2	9687.3	9680.2	9604.5	9204.0	8346.1	6994.9	5902.9	4923.9	4124.5	3629.5
55°	9362.5	9581.9	9620.1	9581.1	9209.5	8359.4	6989.3	5894.7	4916.7	4120.0	3419.4
56°	9209.5	9456.2	9548.3	9548.3	9209.5	8364.8	6990.8	5876.0	4877.6	4043.8	3373.2
57°	9042.4	9313.3	9463.2	9510.8	9207.2	8373.4	6983.0	5859.6	4804.1	3919.5	3375.1
58°	8855.9	9147.8	9360.9	9468.7	9197.0	8385.9	6952.8	5797.4	4788.9	3958.4	3213.5
59°	8652.9	8961.2	9249.3	9418.7	9182.2	8391.4	6922.2	5768.6	4778.4	4003.4	3119.4
60°	8415.6	8750.5	9115.0	9356.3	9155.6	8384.3	6890.2	5722.9	4759.6	3972.1	3112.0
61°	8115.0	8504.6	8967.5	9276.6	9117.4	8357.0	6840.8	5670.0	4717.2	3847.5	2886.0
62°	7757.1	8206.3	8798.9	9178.3	9070.5	8300.0	6771.1	5609.5	4662.4	3827.4	2866.1
63°	7357.1	7868.3	8609.2	9062.7	9007.3	8207.1	6680.2	5538.3	4647.8	3770.0	2703.2
64°	6962.3	7518.4	8396.8	8934.7	8924.6	8088.5	6574.1	5459.8	4597.3	3700.7	2628.7
65°	6620.2	7176.7	8165.7	8791.1	8828.5	7958.1	6468.0	5394.7	4495.2	3665.2	2443.5
66°	6348.0	6876.9	7912.8	8622.4	8712.2	7839.4	6329.9	5312.8	4498.0	3574.7	2359.1
67°	6170.1	6621.6	7670.7	8433.5	8567.8	7701.1	6169.4	5202.2	4527.0	3539.0	2170.1
68°	6078.6	6432.3	7439.2	8216.5	8396.0	7529.4	5941.7	5076.1	4549.2	3465.5	2012.9
69°	5996.0	6296.5	7224.8	7982.3	8186.8	7308.9	5675.1	4922.8	4444.5	3404.3	1829.0
70°	5773.0	6170.7	7017.9	7728.3	7945.6	6986.2	5263.9	4702.8	4328.7	3345.4	1694.0
71°	5332.2	5956.4	6832.1	7469.9	7665.9	6565.8	4734.7	4399.5	4232.9	3268.1	1597.2
72°	4750.8	5592.1	6655.6	7204.7	7356.0	6069.6	4211.7	4070.4	4106.8	3180.9	1500.5
73°	4174.2	5091.7	6457.7	6946.2	7000.8	5513.4	3741.6	3732.1	3910.9	3086.7	1403.9
74°	3629.1	4536.7	6220.2	6683.1	6590.9	4950.4	3304.2	3391.8	3707.5	2962.5	1313.0
75°	2844.0	3926.1	5914.2	6362.7	6145.5	4353.8	2775.2	3042.2	3493.1	2797.0	1184.3
76°	1786.7	3173.6	5481.8	5993.5	5617.7	3697.3	2023.9	2634.4	3266.5	2593.1	1049.2
77°	844.4	2109.6	4917.2	5481.2	5015.7	2794.7	1272.6	1974.3	3036.0	2300.9	920.0
78°	663.3	1059.8	4224.3	4813.3	4295.8	1759.2	532.5	1314.2	2776.3	1916.8	786.4
79°	490.8	813.0	3303.6	3990.8	3450.8	878.0	242.7	660.7	2360.2	1532.6	667.0
80°	318.4	566.3	2118.3	2984.8	2448.2	653.4	208.1	484.2	1685.8	1148.9	576.2
81°	289.7	319.6	1099.3	1903.4	1420.8	437.8	173.5	307.8	1013.8	848.4	579.8
82°	263.5	282.5	823.1	915.6	639.4	222.2	139.1	135.7	444.0	693.6	540.0
83°	238.5	253.1	558.8	703.1	438.4	187.4	119.2	110.2	336.6	591.0	432.1
84°	212.9	224.4	294.5	494.4	240.1	158.9	99.9	88.4	229.3	469.0	297.8
85°	187.3	196.2	238.4	285.6	192.7	131.8	81.1	69.6	123.7	333.2	213.1
86°	159.6	169.6	191.5	242.8	154.5	104.7	62.8	53.6	102.1	267.3	129.3
87°	132.3	144.1	158.3	193.7	123.0	80.1	44.9	39.8	79.2	201.4	84.5
88°	107.9	119.4	126.0	138.5	95.3	60.8	31.9	28.3	52.6	135.5	57.8
89°	88.3	93.5	92.5	82.0	73.1	41.6	18.9	16.9	36.6	69.6	31.1

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CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053
CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0	5055.0
1°	4982.9	4983.3	4989.6	5000.2	5015.6	5032.9	5051.4	5053.3	5072.1	5090.7	5107.0
2°	4920.6	4918.4	4927.5	4945.7	4972.3	5004.1	5041.2	5062.1	5099.5	5136.4	5169.8
3°	4866.3	4862.1	4873.5	4897.8	4933.0	4979.4	5033.0	5073.6	5131.0	5188.3	5240.7
4°	4819.0	4813.6	4827.1	4855.4	4900.2	4959.6	5029.4	5088.9	5167.5	5246.8	5318.3
5°	4775.2	4769.6	4784.7	4818.5	4870.3	4942.9	5027.9	5106.8	5206.2	5308.4	5403.6
6°	4738.7	4732.9	4749.2	4784.6	4845.6	4928.3	5030.3	5128.3	5249.0	5375.3	5496.3
7°	4709.3	4702.0	4720.4	4759.0	4822.2	4917.2	5034.1	5151.1	5295.3	5448.5	5595.6
8°	4683.4	4674.5	4694.4	4739.7	4805.4	4907.5	5039.5	5175.0	5344.6	5526.4	5701.1
9°	4659.4	4649.3	4670.8	4721.1	4794.0	4898.4	5044.9	5201.7	5396.6	5610.1	5816.3
10°	4640.1	4629.4	4651.0	4705.4	4784.9	4891.4	5054.6	5233.1	5452.2	5698.5	5937.4
11°	4626.5	4615.4	4637.1	4693.6	4778.1	4890.6	5066.5	5268.2	5514.8	5793.2	6068.8
12°	4597.5	4564.2	4608.3	4686.2	4774.2	4894.2	5068.9	5291.6	5581.0	5892.6	6208.5
13°	4544.8	4512.4	4555.3	4682.2	4772.2	4886.2	5077.0	5320.2	5634.9	6003.9	6358.5
14°	4520.7	4507.7	4531.2	4629.4	4773.4	4884.1	5084.8	5349.1	5695.8	6113.5	6517.8
15°	4523.5	4507.8	4531.4	4595.1	4764.5	4884.8	5101.8	5386.0	5758.2	6218.2	6683.5
16°	4526.7	4511.2	4535.0	4598.5	4758.7	4893.4	5117.8	5430.2	5828.4	6330.2	6857.4
17°	4534.2	4516.8	4543.2	4606.3	4723.0	4898.7	5138.1	5473.7	5912.9	6445.2	7035.0
18°	4539.3	4517.4	4548.8	4616.7	4705.1	4909.1	5166.9	5521.3	5987.4	6571.9	7209.4
19°	4542.8	4518.2	4553.5	4632.0	4698.7	4930.4	5201.7	5579.6	6070.4	6699.1	7373.2
20°	4546.4	4499.4	4558.8	4643.1	4704.3	4956.0	5235.8	5638.7	6157.3	6834.2	7544.7
21°	4453.8	4314.5	4472.9	4643.9	4720.3	4975.7	5263.6	5691.6	6256.4	6961.3	7709.4
22°	4320.7	4267.0	4347.3	4646.7	4740.3	4984.5	5278.7	5739.1	6355.8	7093.2	7862.8
23°	4299.8	4272.3	4325.7	4620.1	4755.3	4973.4	5310.0	5772.9	6452.4	7227.1	8019.8
24°	4307.9	4284.2	4335.6	4465.6	4767.8	4985.8	5350.0	5820.1	6541.7	7358.5	8172.8
25°	4322.8	4300.6	4351.7	4424.2	4779.5	4994.8	5374.0	5880.4	6619.1	7492.4	8318.8
26°	4340.3	4315.4	4371.2	4439.1	4798.0	5001.6	5403.4	5928.7	6699.0	7622.6	8464.7
27°	4354.8	4332.2	4388.0	4451.8	4799.0	5032.6	5446.7	5975.9	6791.2	7751.2	8603.7
28°	4369.9	4302.1	4408.0	4462.0	4714.5	5058.2	5487.1	6037.8	6895.0	7871.4	8743.4
29°	4293.7	4131.2	4327.1	4468.6	4633.0	5066.7	5513.8	6107.5	6996.5	7989.3	8885.5
30°	4150.0	4118.2	4185.0	4482.8	4590.2	5075.5	5537.6	6176.9	7085.9	8096.3	9029.9
31°	4144.8	4140.9	4179.1	4497.0	4584.3	5100.0	5572.9	6237.0	7184.5	8203.2	9175.9
32°	4161.4	4169.4	4196.3	4380.5	4597.0	5124.0	5615.2	6290.0	7297.0	8318.8	9318.8
33°	4182.1	4196.5	4217.5	4261.4	4618.6	5128.4	5655.2	6353.4	7414.0	8439.8	9455.4
34°	4202.0	4218.6	4235.7	4256.8	4640.1	5145.8	5677.5	6432.0	7520.8	8560.0	9576.4
35°	4217.9	4237.1	4250.6	4262.3	4650.2	5158.5	5715.6	6509.3	7612.3	8677.1	9657.6
36°	4223.6	4009.7	4252.2	4280.5	4651.8	5167.4	5753.1	6580.8	7691.4	8758.3	9692.7
37°	3993.3	3977.1	4016.5	4304.2	4645.0	5156.8	5783.6	6633.2	7759.8	8806.7	9693.5
38°	3945.6	4000.2	3979.5	4312.2	4530.1	5076.5	5809.9	6695.5	7815.2	8826.2	9668.5
39°	3960.3	4028.1	3994.0	4324.9	4470.5	5021.4	5825.9	6759.5	7860.5	8830.9	9637.3
40°	3980.0	4052.4	4008.7	4176.6	4505.1	5005.6	5846.8	6808.3	7894.9	8839.5	9620.1
41°	3981.7	4030.5	4010.0	4123.4	4528.8	5038.1	5852.0	6852.0	7921.4	8859.0	9613.1
42°	3941.9	3779.7	3972.6	4137.5	4525.0	5057.5	5861.5	6889.7	7952.6	8883.2	9624.0
43°	3718.1	3761.1	3754.7	4129.6	4544.3	5036.1	5897.5	6921.3	7987.0	8912.1	9645.1
44°	3699.6	3774.6	3740.6	4125.7	4571.2	5044.8	5935.3	6949.4	8029.9	8944.1	9664.6

REPORT NUMBER: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	3718.5	3781.5	3758.0	4125.1	4589.3	5078.3	5975.5	6981.1	8079.1	8975.3	9681.8
46°	3721.4	3674.0	3757.6	3917.1	4457.4	5108.4	5945.3	7003.8	8125.9	9013.5	9699.0
47°	3625.9	3442.9	3652.8	3886.1	4373.9	5124.4	5915.5	7032.3	8173.6	9055.7	9713.0
48°	3427.7	3443.7	3472.3	3896.8	4388.3	5111.9	5941.5	7075.9	8220.4	9096.3	9719.3
49°	3442.5	3448.2	3490.3	3895.5	4416.7	5021.5	5984.6	7113.6	8265.7	9131.4	9715.4
50°	3461.5	3446.4	3511.0	3863.3	4409.3	4997.9	6006.9	7144.6	8305.5	9170.5	9707.6
51°	3472.5	3129.8	3526.2	3659.1	4396.0	5006.7	6017.6	7161.7	8338.3	9204.0	9699.0
52°	3202.8	3098.2	3245.6	3664.7	4235.3	5015.9	6041.2	7138.0	8364.8	9231.4	9688.0
53°	3166.8	3093.9	3214.1	3691.7	4211.0	5047.6	6045.2	7091.6	8389.0	9247.7	9674.8
54°	3159.2	2858.9	3205.7	3711.0	4224.1	5043.1	6030.6	7065.1	8400.7	9253.2	9657.6
55°	2938.7	2715.5	2973.2	3488.1	4221.3	5033.4	6018.3	7062.1	8405.4	9252.4	9638.1
56°	2824.4	2708.7	2871.3	3451.8	4127.9	4990.9	5993.1	7063.1	8407.8	9254.0	9611.5
57°	2821.2	2409.4	2867.1	3455.0	4035.0	4920.3	5966.0	7046.0	8412.4	9247.7	9573.3
58°	2550.8	2340.0	2586.7	3274.6	4076.2	4909.1	5894.3	7003.1	8410.1	9230.6	9519.4
59°	2481.9	2285.9	2525.2	3206.8	4120.2	4893.0	5870.8	6968.5	8401.5	9207.2	9453.1
60°	2366.7	1938.5	2383.6	3191.9	4066.2	4869.5	5803.1	6927.5	8372.6	9174.4	9378.1
61°	2137.5	1765.6	2178.4	2962.5	3954.6	4813.7	5741.6	6872.8	8315.6	9131.4	9295.4
62°	2036.4	1592.6	2042.8	2948.7	3935.8	4762.1	5665.9	6798.3	8222.7	9068.2	9204.0
63°	1834.0	1418.7	1848.5	2759.0	3863.3	4741.5	5583.4	6693.8	8111.9	8987.8	9094.7
64°	1631.7	1150.5	1654.3	2700.6	3802.1	4677.3	5500.9	6587.9	7979.9	8895.7	8961.2
65°	1427.6	887.2	1459.9	2503.6	3758.4	4583.2	5421.0	6463.4	7855.8	8781.7	8802.0
66°	1163.8	663.0	1179.7	2408.0	3666.5	4595.9	5316.6	6293.8	7720.8	8649.0	8624.8
67°	945.4	440.9	929.1	2234.5	3630.8	4611.5	5180.1	6103.2	7556.4	8494.4	8429.6
68°	691.5	218.8	686.4	2056.1	3540.5	4595.9	5029.8	5845.6	7341.3	8311.0	8219.6
69°	500.8	0.5	481.5	1839.9	3463.8	4443.6	4850.7	5502.3	7061.1	8093.9	7990.1
70°	450.6	0.4	421.6	1708.4	3391.7	4300.8	4589.1	5003.9	6697.3	7842.6	7733.9
71°	401.3	0.4	367.9	1602.7	3297.4	4170.5	4242.7	4443.2	6227.8	7554.3	7458.5
72°	346.7	0.4	313.1	1497.0	3198.8	4013.9	3885.1	3932.5	5682.7	7236.9	7191.6
73°	288.0	0.4	254.5	1390.9	3072.6	3795.8	3551.6	3503.6	5114.4	6848.5	6915.6
74°	235.5	0.5	197.8	1271.2	2897.0	3586.7	3214.9	3024.6	4526.4	6378.6	6619.9
75°	186.4	0.5	162.4	1126.3	2698.1	3375.0	2778.5	2335.9	3900.0	5846.9	6279.0
76°	137.6	0.6	150.2	996.7	2435.4	3126.5	2119.9	1467.0	3132.7	5260.4	5871.5
77°	106.1	0.7	164.4	874.6	2080.5	2855.7	1461.3	700.3	2164.7	4615.4	5343.5
78°	114.1	0.8	151.5	752.0	1723.3	2484.5	804.6	447.5	1181.6	3841.0	4578.3
79°	154.8	1.0	138.5	657.2	1366.2	1837.6	329.7	206.4	868.3	2961.9	3667.2
80°	159.7	1.1	125.2	605.0	1012.8	1190.7	236.3	175.1	555.0	1941.9	2620.6
81°	144.7	1.3	78.3	559.5	804.0	557.8	144.0	152.9	241.7	988.7	1556.1
82°	105.2	1.5	43.3	478.6	671.5	415.0	118.4	132.5	204.5	733.3	676.9
83°	66.0	1.7	33.1	350.6	521.3	272.2	97.9	112.9	176.0	479.5	487.5
84°	39.3	1.8	22.8	222.6	346.9	130.8	80.2	93.9	149.9	225.7	318.9
85°	30.0	2.0	12.6	95.7	229.8	107.3	63.9	73.9	123.2	178.1	277.5
86°	20.7	2.3	10.6	56.4	113.1	85.4	49.3	56.7	97.5	143.1	233.3
87°	11.6	2.5	9.2	34.2	60.1	63.0	36.4	39.5	73.8	113.5	183.5
88°	9.1	2.7	7.8	24.2	41.5	43.6	25.7	22.3	54.4	86.1	126.0
89°	6.3	3.0	5.8	14.2	22.9	24.1	15.0	9.8	35.0	66.8	73.2



REPORT NUMBER: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053
CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5055.0	5055.0	5055.0
1°	5119.6	5129.0	5131.9
2°	5197.1	5216.2	5221.6
3°	5282.5	5309.9	5319.5
4°	5377.0	5417.5	5430.4
5°	5483.1	5534.3	5551.9
6°	5594.5	5660.7	5683.6
7°	5716.8	5799.7	5828.5
8°	5848.8	5948.2	5981.3
9°	5989.6	6107.9	6150.5
10°	6143.0	6282.6	6332.9
11°	6308.1	6469.7	6526.7
12°	6482.6	6668.0	6735.4
13°	6670.2	6885.1	6964.9
14°	6866.6	7110.0	7204.6
15°	7074.5	7346.5	7452.5
16°	7286.1	7591.1	7706.2
17°	7506.6	7840.2	7958.1
18°	7726.9	8085.3	8207.1
19°	7944.0	8319.5	8451.5
20°	8154.0	8546.7	8688.0
21°	8357.0	8764.5	8909.7
22°	8548.3	8967.5	9119.7
23°	8734.9	9169.7	9318.8
24°	8912.1	9366.4	9508.5
25°	9090.8	9554.5	9685.7
26°	9269.6	9725.5	9841.8
27°	9438.2	9878.5	9978.4
28°	9584.2	10011.2	10110.4
29°	9719.3	10144.0	10243.1
30°	9862.9	10295.4	10403.9
31°	10006.6	10435.1	10535.8
32°	10138.5	10538.2	10635.8
33°	10231.4	10591.3	10675.6
34°	10275.9	10586.6	10653.7
35°	10268.9	10525.7	10581.1
36°	10229.8	10432.8	10483.5
37°	10162.7	10337.6	10397.7
38°	10098.7	10276.7	10360.2
39°	10060.4	10247.8	10348.5
40°	10043.2	10234.5	10345.4
41°	10035.4	10228.3	10342.2
42°	10027.6	10224.4	10332.1
43°	10019.8	10216.6	10309.5
44°	10013.6	10203.3	10275.9

REPORT NUMBER: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	10007.3	10178.3	10228.3
46°	9999.5	10146.3	10173.6
47°	9987.8	10110.4	10110.4
48°	9969.9	10069.8	10044.8
49°	9943.3	10027.6	9974.5
50°	9909.8	9984.7	9898.0
51°	9866.0	9937.9	9813.7
52°	9818.4	9878.5	9716.9
53°	9769.2	9805.1	9612.3
54°	9719.3	9714.6	9495.2
55°	9663.8	9608.4	9362.5
56°	9596.7	9482.7	9209.5
57°	9513.2	9342.2	9042.4
58°	9406.2	9172.0	8855.9
59°	9289.1	8984.7	8652.9
60°	9154.8	8779.3	8415.6
61°	9003.4	8543.6	8115.0
62°	8832.4	8257.9	7757.1
63°	8651.3	7924.5	7357.1
64°	8450.7	7563.7	6962.3
65°	8225.1	7224.4	6620.2
66°	7985.4	6925.8	6348.0
67°	7744.6	6678.5	6170.1
68°	7500.4	6482.7	6078.6
69°	7287.8	6338.4	5996.0
70°	7107.4	6209.9	5773.0
71°	6920.4	6010.6	5332.2
72°	6715.4	5652.6	4750.8
73°	6513.2	5149.3	4174.2
74°	6277.5	4583.4	3629.1
75°	5919.1	3965.5	2844.0
76°	5443.7	3206.3	1786.7
77°	4893.4	2214.9	844.4
78°	4213.9	1185.6	663.3
79°	3262.6	893.2	490.8
80°	2020.4	611.2	318.4
81°	1020.2	329.2	289.7
82°	764.4	286.6	263.5
83°	531.1	258.6	238.5
84°	297.8	228.9	212.9
85°	234.6	198.4	187.3
86°	190.8	170.2	159.6
87°	157.0	144.1	132.3
88°	124.7	118.5	107.9
89°	89.5	92.6	88.3

REPORT NUMBER: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-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

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CATALOG NUMBER: XAS300-SFPM (3000K-240W-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: P1445053

CATALOG NUMBER: XAS300-SFPM (3000K-240W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)