

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: P1436840

Luminaire Tested: XAS300-SFPM (5000K-300W-T4-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436840
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA ()
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/25/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: XAS300-SFPM (5000K-300W-T4-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 45535 (1 lamp)
Luminaire Lumens: 37138.5 lumens
Efficiency: 81.6%
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B5 - U0 - G4

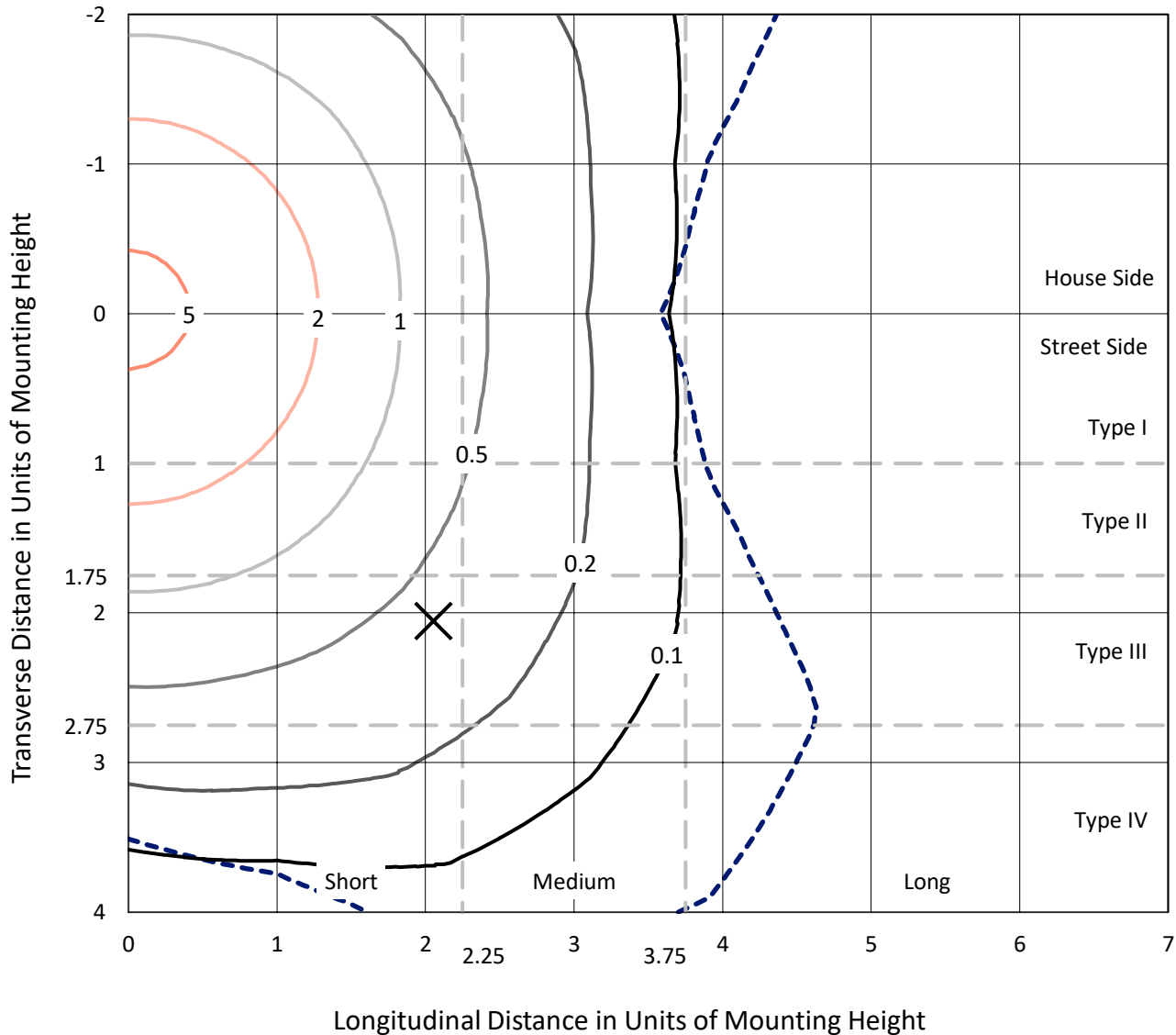
Input Watts (W): 293.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

Iso-Footcandle Lines of Horizontal Illumination

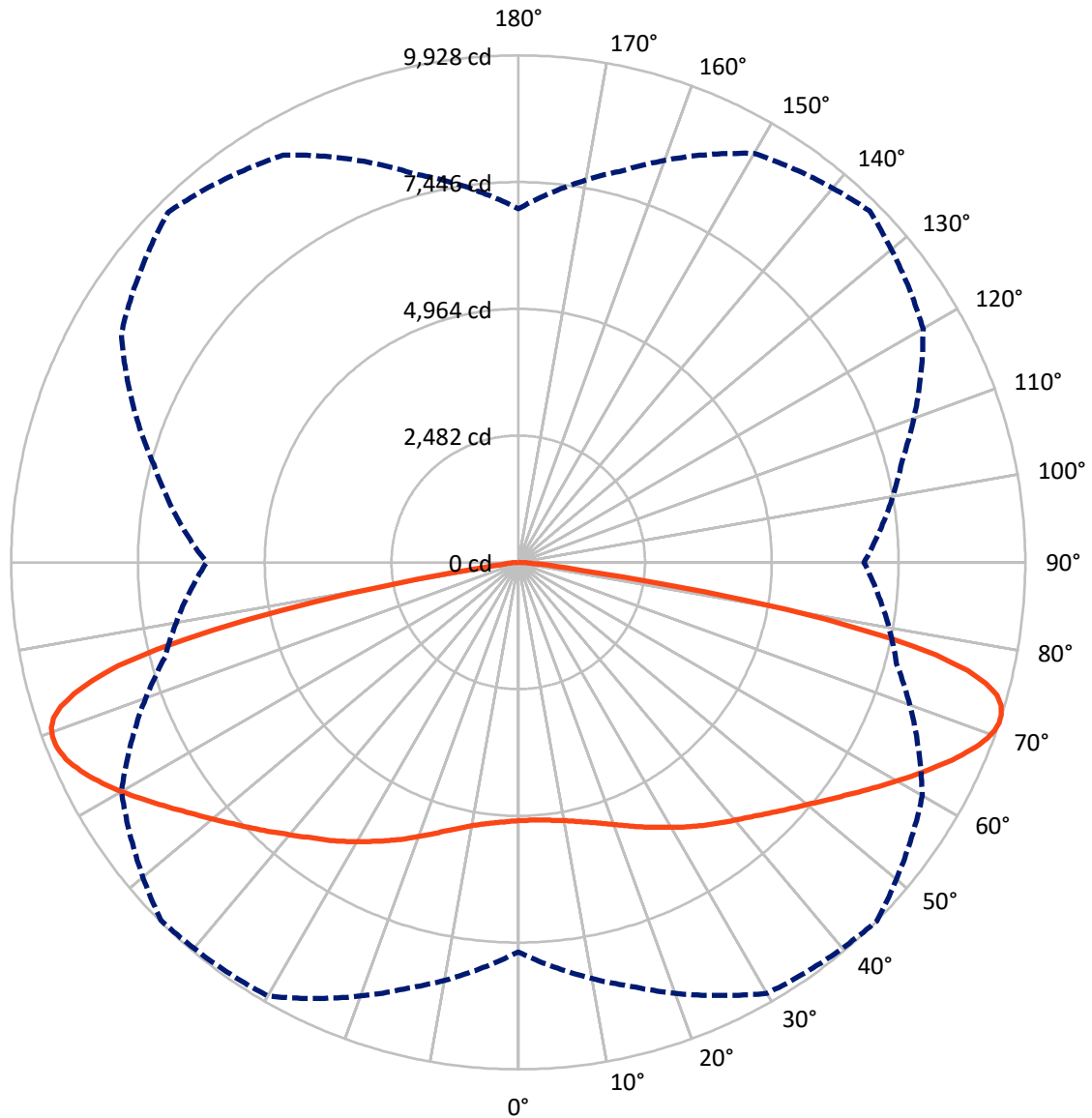
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P1436840
CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

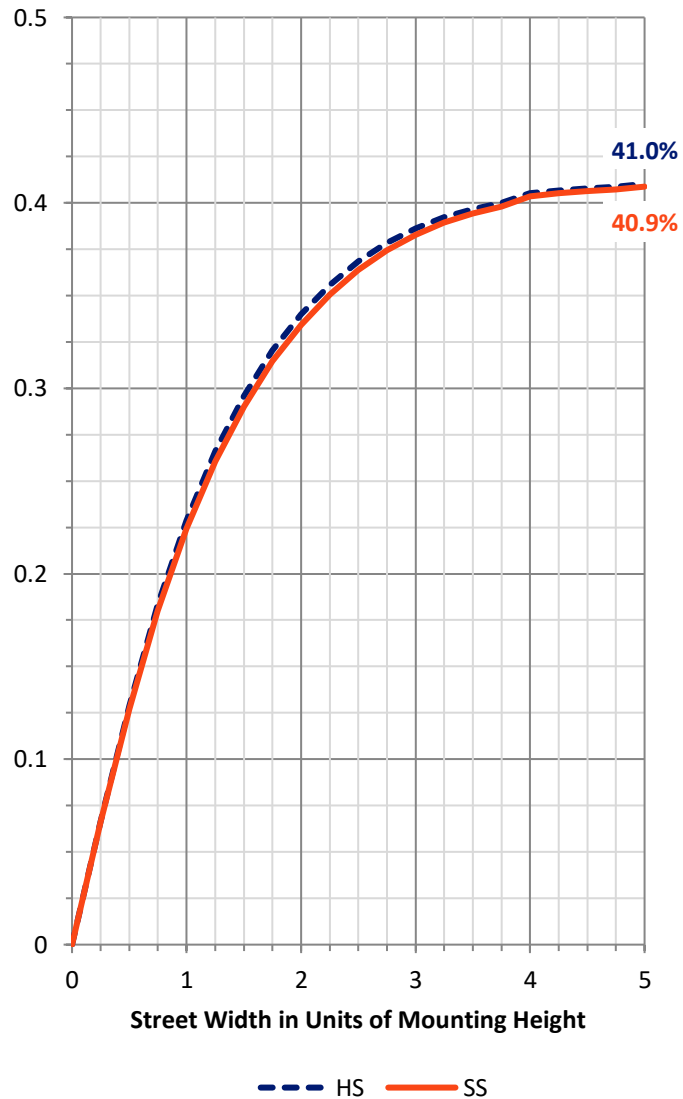
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18573.3	0.0	18573.3
	% Lamp	40.8	0.0	40.8
Street Side	Lumens	18565.2	0.0	18565.2
	% Lamp	40.8	0.0	40.8
Total	Lumens	37138.5	0.0	37138.5
	% Lamp	81.6	0.0	81.6

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	488.4	1.3	1.1
10°-20°	1524.3	4.1	3.3
20°-30°	2716.6	7.3	6.0
30°-40°	4065.2	10.9	8.9
40°-50°	5564.7	15.0	12.2
50°-60°	7256.2	19.5	15.9
60°-70°	8748.1	23.6	19.2
70°-80°	6393.5	17.2	14.0
80°-90°	381.4	1.0	0.8
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°	37138.5	100.0	81.6
0°-180°	37138.5	100.0	81.6

Coefficient of Utilization



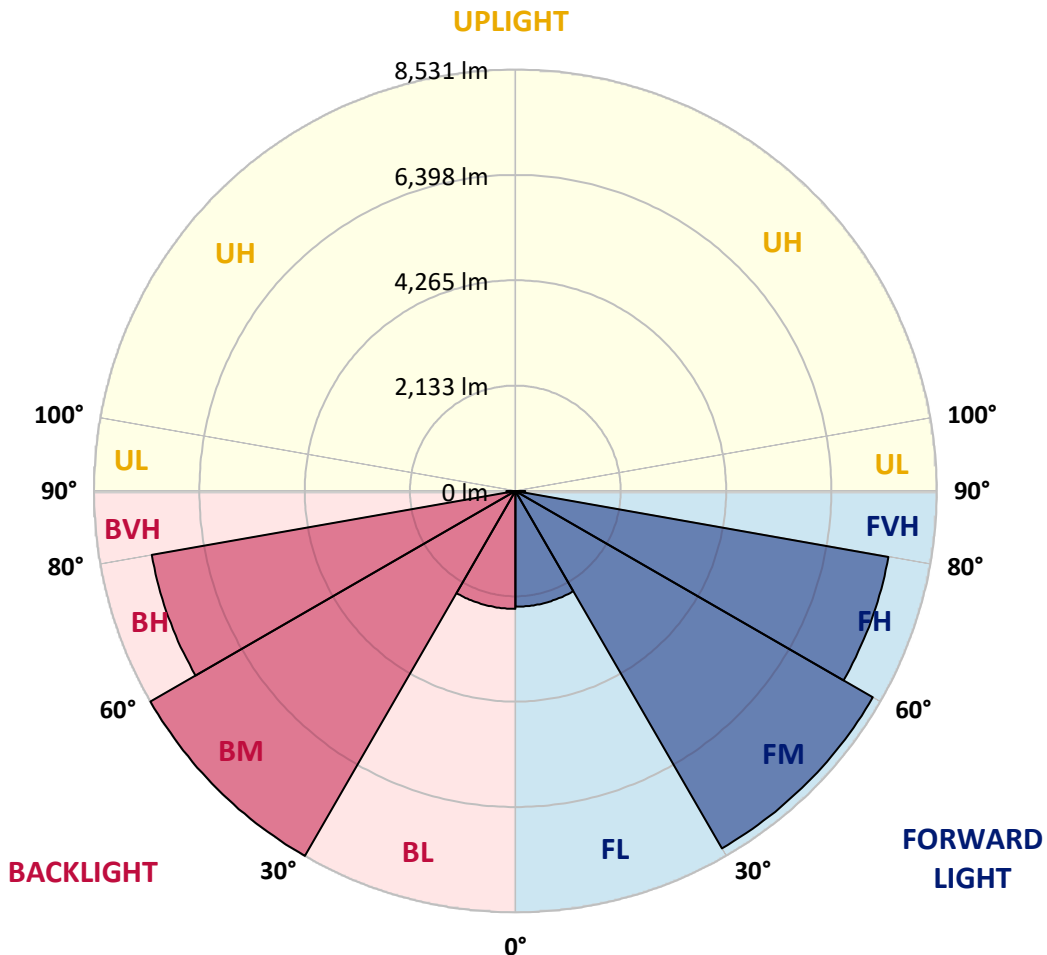
REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2343.3	5.1			
FM (30°-60°)	8355.3	18.3			
FH (60°-80°)	7668.1	16.8			G4/12000
FVH (80°-90°)	198.4	0.4			G2/225
BL (0°-30°)	2386.0	5.2	B3/2500		
BM (30°-60°)	8530.8	18.7	B5		
BH (60°-80°)	7473.5	16.4	B5		G3/7500
BVH (80°-90°)	183.0	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	8396.5	18.4			

BUG Rating: B5-U0-G4
 Type V Short





REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2
1°	5054.3	5052.9	5053.2	5054.0	5054.8	5056.7	5052.6	5052.6	5053.4	5054.8	5055.4
2°	5053.9	5052.9	5052.9	5053.9	5055.6	5056.9	5053.4	5054.3	5056.0	5058.7	5060.0
3°	5056.9	5054.5	5055.2	5055.6	5058.8	5061.6	5058.0	5059.8	5062.4	5065.5	5067.4
4°	5060.4	5058.5	5059.6	5062.1	5065.3	5068.3	5065.3	5067.4	5071.5	5074.7	5076.7
5°	5065.3	5063.9	5066.2	5069.3	5074.9	5079.8	5077.1	5079.5	5082.4	5086.3	5090.2
6°	5073.5	5070.8	5074.9	5080.1	5087.8	5093.4	5091.4	5093.5	5095.9	5099.5	5104.8
7°	5083.1	5082.0	5085.5	5094.1	5102.3	5106.9	5106.0	5109.1	5111.3	5115.3	5121.9
8°	5094.5	5093.4	5099.9	5109.2	5117.5	5125.0	5123.7	5127.2	5131.0	5134.9	5143.1
9°	5109.0	5106.9	5115.6	5125.3	5137.0	5144.8	5144.0	5147.2	5153.1	5158.3	5166.2
10°	5126.4	5125.1	5134.1	5145.4	5159.7	5167.8	5166.6	5169.1	5176.8	5186.0	5193.1
11°	5148.3	5145.0	5156.0	5169.1	5183.5	5191.1	5191.0	5193.4	5202.3	5214.6	5222.7
12°	5172.0	5168.5	5179.2	5194.3	5209.1	5218.4	5219.5	5222.3	5233.0	5247.3	5256.0
13°	5198.7	5194.1	5204.5	5222.4	5237.5	5248.1	5250.8	5255.5	5266.6	5282.0	5292.3
14°	5228.6	5224.1	5232.0	5252.2	5268.8	5284.3	5287.4	5290.9	5303.7	5319.0	5332.5
15°	5262.8	5255.9	5263.7	5283.9	5304.0	5321.0	5326.3	5331.5	5344.1	5359.5	5373.8
16°	5298.1	5290.5	5299.3	5318.3	5342.0	5361.0	5369.1	5376.1	5386.5	5402.2	5417.1
17°	5335.5	5325.3	5337.0	5355.0	5381.7	5405.4	5415.3	5420.6	5432.6	5447.9	5462.5
18°	5373.3	5363.7	5374.4	5397.1	5423.6	5452.2	5464.0	5470.0	5480.6	5496.6	5511.1
19°	5412.7	5403.0	5416.5	5443.0	5467.8	5500.0	5515.9	5520.4	5530.5	5546.8	5560.3
20°	5454.3	5445.0	5459.6	5488.5	5514.9	5549.1	5568.9	5573.7	5582.0	5598.2	5610.0
21°	5496.2	5488.3	5504.6	5536.6	5563.3	5602.5	5622.7	5630.7	5635.5	5653.3	5661.4
22°	5538.6	5532.1	5551.7	5585.1	5614.2	5656.7	5677.5	5689.4	5692.2	5708.0	5712.0
23°	5583.8	5579.3	5600.1	5636.7	5669.1	5712.4	5731.3	5746.4	5750.6	5763.5	5765.5
24°	5630.5	5628.6	5649.2	5688.2	5723.4	5764.7	5782.3	5802.8	5809.5	5819.2	5817.5
25°	5681.0	5679.8	5700.9	5742.1	5778.4	5817.7	5832.6	5858.8	5867.7	5876.0	5872.1
26°	5731.8	5734.5	5752.9	5796.4	5832.0	5873.0	5884.9	5915.0	5927.2	5933.0	5927.3
27°	5787.3	5790.5	5807.8	5851.3	5885.9	5929.5	5939.6	5973.9	5986.3	5989.0	5982.3
28°	5845.2	5848.9	5863.4	5906.2	5940.2	5987.1	5998.0	6030.8	6045.1	6047.2	6038.7
29°	5905.2	5907.1	5921.1	5962.9	5995.2	6045.1	6059.0	6091.0	6106.8	6103.7	6096.0
30°	5970.1	5967.9	5979.0	6019.7	6052.8	6105.1	6125.0	6154.1	6167.9	6162.1	6155.2
31°	6037.4	6028.6	6039.1	6080.4	6109.8	6166.8	6191.1	6218.0	6232.8	6223.8	6215.5
32°	6105.3	6089.1	6097.6	6140.2	6169.2	6225.0	6255.2	6280.2	6295.9	6286.7	6279.8
33°	6178.3	6149.5	6156.8	6198.0	6229.8	6283.6	6320.2	6341.3	6357.7	6350.7	6340.1
34°	6254.8	6211.2	6216.8	6257.6	6288.5	6342.5	6386.6	6401.9	6416.3	6410.0	6403.5
35°	6332.1	6274.2	6280.5	6320.8	6346.0	6402.4	6453.9	6463.0	6473.9	6472.8	6469.3
36°	6409.3	6335.6	6341.6	6380.7	6404.2	6460.6	6522.4	6522.8	6534.0	6537.4	6535.0
37°	6489.6	6393.6	6403.1	6438.5	6463.0	6514.2	6592.3	6582.5	6596.7	6602.4	6603.8
38°	6571.0	6449.7	6462.2	6500.3	6522.4	6569.3	6663.5	6640.0	6658.9	6669.2	6671.3
39°	6652.7	6507.1	6521.4	6560.5	6581.6	6628.1	6740.2	6699.9	6720.7	6736.5	6738.0
40°	6737.2	6568.3	6580.9	6622.1	6642.4	6689.6	6822.7	6764.3	6785.9	6807.7	6808.1
41°	6824.8	6634.6	6644.8	6686.5	6707.5	6756.3	6903.2	6831.3	6854.0	6877.9	6877.1
42°	6909.5	6709.4	6712.1	6755.3	6775.2	6826.4	6979.3	6904.0	6923.1	6951.8	6950.1
43°	6988.1	6790.0	6782.9	6828.5	6850.4	6897.6	7056.7	6976.7	6998.3	7028.4	7025.9
44°	7061.6	6874.8	6858.4	6904.9	6928.4	6974.6	7134.6	7050.8	7076.0	7109.0	7105.0



REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7134.0	6958.3	6937.3	6984.3	7006.7	7055.3	7212.8	7127.4	7154.1	7191.9	7187.2
46°	7202.2	7047.1	7021.8	7068.7	7090.9	7138.6	7285.9	7210.6	7237.5	7277.1	7273.2
47°	7266.3	7141.2	7112.7	7153.2	7176.1	7226.1	7354.4	7297.3	7322.5	7365.9	7360.4
48°	7330.0	7240.4	7205.7	7242.5	7261.5	7312.9	7422.1	7385.8	7410.1	7457.5	7453.0
49°	7397.1	7344.3	7301.5	7335.4	7353.0	7401.7	7486.5	7472.9	7496.5	7548.4	7548.2
50°	7467.9	7453.9	7401.4	7430.1	7449.9	7494.9	7548.2	7563.1	7587.5	7643.0	7646.8
51°	7542.7	7565.5	7506.8	7529.2	7543.2	7586.7	7607.4	7652.4	7678.4	7739.7	7748.0
52°	7617.1	7680.4	7615.0	7633.8	7644.6	7681.3	7661.3	7743.8	7772.4	7839.2	7851.8
53°	7702.1	7799.1	7726.2	7746.9	7744.7	7769.6	7713.3	7829.5	7867.3	7942.2	7959.6
54°	7792.3	7915.5	7844.2	7861.1	7846.8	7852.5	7767.6	7912.2	7967.0	8046.9	8068.4
55°	7883.9	8029.8	7966.7	7980.8	7949.0	7932.7	7820.8	7990.5	8062.6	8157.7	8178.9
56°	7975.4	8141.4	8091.7	8105.2	8053.6	8014.7	7875.1	8067.0	8157.7	8270.3	8288.2
57°	8065.4	8247.5	8218.9	8230.3	8156.9	8094.5	7928.6	8139.4	8255.6	8390.2	8395.9
58°	8149.4	8348.6	8343.7	8363.3	8261.3	8165.1	7981.5	8205.9	8350.2	8511.7	8496.2
59°	8237.7	8437.5	8473.4	8496.2	8364.1	8227.1	8027.6	8267.8	8443.2	8636.5	8587.6
60°	8320.9	8523.9	8601.4	8634.0	8465.2	8281.7	8066.1	8322.5	8534.5	8763.7	8674.0
61°	8391.8	8598.2	8736.8	8773.5	8561.5	8324.9	8095.9	8365.7	8628.3	8893.4	8766.2
62°	8452.2	8662.6	8869.8	8911.4	8660.1	8354.3	8116.3	8401.6	8721.3	9019.8	8862.4
63°	8514.2	8724.6	9002.7	9050.0	8758.0	8377.1	8130.7	8431.8	8811.0	9143.8	8952.1
64°	8591.6	8784.1	9131.6	9190.3	8846.9	8389.4	8136.8	8450.5	8899.1	9266.1	9036.1
65°	8676.5	8854.3	9262.9	9333.0	8935.8	8397.5	8137.3	8464.4	8984.8	9377.1	9114.4
66°	8727.8	8929.3	9386.9	9468.4	9018.2	8400.8	8114.8	8466.8	9061.4	9481.5	9193.6
67°	8736.8	8988.0	9492.9	9594.0	9083.5	8384.5	8070.0	8446.5	9126.7	9569.6	9261.3
68°	8731.1	9006.8	9592.4	9714.7	9147.1	8325.7	7959.7	8398.3	9180.5	9645.4	9312.6
69°	8635.7	8979.1	9684.6	9815.1	9181.3	8218.1	7718.8	8294.8	9214.8	9699.2	9322.4
70°	8298.0	8877.9	9743.3	9890.1	9176.4	8002.4	7336.4	8102.0	9211.5	9733.5	9300.4
71°	7626.3	8598.2	9743.3	9928.4	9135.6	7669.5	6768.7	7788.1	9152.0	9731.9	9246.6
72°	6748.2	8067.9	9659.3	9917.8	9040.2	7224.2	6164.1	7329.0	9032.1	9689.4	9110.4
73°	5899.2	7330.9	9492.9	9860.7	8881.2	6696.1	5622.7	6763.4	8833.1	9567.1	8886.9
74°	5079.5	6508.2	9221.3	9723.7	8630.8	6174.6	5171.7	6177.3	8560.6	9350.2	8553.3
75°	3866.0	5594.8	8802.1	9452.1	8331.5	5658.8	4647.2	5628.9	8197.7	9016.6	8019.5
76°	2253.0	4406.3	8167.5	9045.1	7943.2	5005.8	3726.8	5049.4	7751.6	8561.5	7293.1
77°	886.5	2801.7	7315.4	8379.6	7424.2	4010.9	2623.5	4140.3	7194.2	7882.1	6421.3
78°	646.8	1271.7	6254.0	7414.7	6660.5	2679.2	1520.1	2933.7	6481.2	6911.2	5351.7
79°	429.6	903.3	4820.6	6134.7	5595.7	1332.1	426.9	1727.2	5469.2	5598.6	3921.4
80°	212.5	564.5	2986.1	4545.6	4142.8	947.9	242.1	531.2	4087.2	4078.1	2783.5
81°	188.6	225.7	1414.0	2880.8	2421.1	585.3	213.7	265.1	2866.5	2867.1	1645.6
82°	166.8	194.4	1018.3	1290.6	1038.8	222.7	185.3	219.2	1646.0	1656.2	513.4
83°	145.5	166.5	628.4	946.8	749.3	180.9	157.0	188.9	435.0	446.3	277.6
84°	123.6	140.0	238.5	612.3	476.9	152.7	134.5	158.7	256.8	285.0	211.6
85°	100.8	114.0	180.1	277.8	204.5	125.4	111.6	131.2	201.5	237.6	146.2
86°	74.7	89.4	137.7	220.2	150.5	99.3	88.5	104.6	146.3	189.4	103.6
87°	50.8	66.4	104.3	164.1	115.4	75.9	64.4	80.9	110.8	141.2	72.5
88°	26.9	43.4	72.0	102.0	82.6	52.8	41.4	58.3	79.3	88.4	44.9
89°	11.0	20.5	38.5	53.6	45.1	29.8	29.1	40.5	54.6	60.8	31.7



REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2	5055.2
1°	5057.3	5059.3	5060.5	5061.4	5061.8	5062.7	5062.9	5057.9	5057.7	5057.2	5055.6
2°	5061.8	5066.0	5067.9	5070.1	5069.9	5071.2	5070.5	5066.7	5064.8	5062.4	5059.1
3°	5070.9	5075.1	5078.6	5080.2	5081.1	5081.4	5080.8	5076.8	5073.1	5069.6	5064.8
4°	5081.7	5086.5	5090.4	5092.8	5094.5	5095.1	5093.1	5086.9	5083.4	5079.3	5072.9
5°	5093.7	5099.4	5104.0	5108.0	5109.6	5109.4	5106.6	5099.9	5094.1	5089.5	5082.3
6°	5107.9	5115.0	5119.7	5124.1	5126.3	5125.9	5123.2	5115.4	5109.2	5101.6	5092.3
7°	5126.2	5133.2	5138.3	5143.4	5145.5	5145.2	5141.4	5134.1	5125.7	5117.2	5105.2
8°	5147.6	5153.9	5159.9	5166.4	5167.4	5167.1	5163.4	5154.1	5145.4	5136.3	5121.2
9°	5172.6	5178.2	5184.8	5191.3	5192.9	5190.5	5185.4	5176.3	5167.8	5158.2	5140.2
10°	5198.4	5204.6	5210.9	5219.3	5220.8	5217.5	5212.4	5203.9	5193.6	5180.9	5162.2
11°	5229.4	5236.6	5242.7	5250.0	5253.0	5250.2	5244.0	5236.3	5225.1	5208.3	5187.6
12°	5263.9	5271.3	5277.7	5284.3	5289.3	5287.2	5280.5	5274.1	5261.0	5241.4	5214.9
13°	5301.5	5309.3	5314.8	5322.4	5328.5	5327.2	5320.0	5313.4	5299.6	5278.5	5246.7
14°	5340.5	5348.5	5355.1	5363.5	5371.1	5371.5	5362.0	5354.2	5339.6	5316.8	5281.6
15°	5382.4	5391.7	5396.9	5408.6	5417.4	5416.4	5407.1	5399.4	5383.0	5356.8	5321.4
16°	5428.3	5436.8	5443.6	5455.9	5469.2	5466.4	5455.4	5449.7	5430.0	5400.5	5363.3
17°	5474.9	5483.8	5491.3	5506.2	5521.1	5516.5	5506.3	5501.1	5481.1	5448.2	5406.9
18°	5522.3	5530.4	5539.1	5557.5	5574.5	5569.2	5560.2	5555.2	5532.3	5496.8	5452.3
19°	5572.0	5578.9	5588.5	5610.2	5628.9	5623.0	5614.8	5610.2	5585.4	5549.0	5499.4
20°	5622.0	5626.7	5640.1	5662.7	5685.4	5679.7	5672.3	5666.9	5640.9	5600.9	5548.3
21°	5672.4	5676.2	5694.1	5718.9	5745.9	5738.1	5732.2	5725.9	5700.8	5654.2	5599.8
22°	5722.8	5726.6	5747.0	5773.5	5804.5	5798.5	5794.1	5782.1	5758.9	5708.0	5652.1
23°	5774.8	5777.7	5801.6	5832.2	5864.2	5858.2	5855.5	5838.1	5817.9	5766.5	5707.2
24°	5828.3	5832.0	5858.0	5888.5	5922.6	5921.3	5916.2	5892.7	5875.9	5825.6	5761.8
25°	5883.6	5888.5	5916.4	5948.0	5981.2	5984.4	5975.4	5949.1	5934.8	5882.6	5816.9
26°	5939.8	5948.0	5976.8	6009.2	6040.2	6048.5	6038.7	6006.3	5993.8	5938.8	5870.1
27°	5998.2	6008.5	6039.1	6068.7	6097.6	6111.7	6100.5	6064.7	6054.6	5996.5	5924.9
28°	6059.1	6073.7	6102.2	6128.2	6159.0	6177.0	6164.5	6128.7	6115.8	6054.4	5983.8
29°	6121.4	6140.9	6167.8	6187.6	6220.4	6241.5	6229.7	6197.9	6178.0	6113.2	6042.3
30°	6184.4	6209.2	6232.9	6248.6	6283.3	6305.0	6296.6	6267.7	6242.2	6171.0	6101.7
31°	6247.2	6280.9	6297.9	6311.9	6347.6	6366.8	6363.1	6337.9	6304.9	6231.3	6162.2
32°	6310.8	6354.3	6364.0	6374.9	6410.9	6429.5	6425.2	6401.4	6364.9	6290.4	6226.4
33°	6374.0	6430.0	6429.3	6437.4	6473.8	6488.9	6487.5	6465.4	6422.1	6351.4	6289.9
34°	6440.1	6504.2	6493.0	6502.1	6536.2	6546.5	6546.0	6529.8	6479.9	6410.4	6353.3
35°	6504.7	6582.3	6557.1	6567.0	6598.2	6603.7	6604.3	6595.2	6532.9	6469.8	6415.7
36°	6571.2	6661.3	6622.3	6631.6	6659.0	6662.1	6658.2	6660.8	6582.7	6527.0	6476.7
37°	6636.3	6739.0	6685.5	6697.9	6719.9	6722.4	6712.6	6732.7	6637.6	6585.9	6539.2
38°	6698.6	6817.9	6745.7	6762.7	6784.7	6783.1	6769.9	6809.3	6695.1	6643.9	6603.2
39°	6760.8	6900.4	6808.6	6826.7	6855.0	6846.7	6827.7	6889.2	6754.0	6708.0	6665.9
40°	6828.8	6985.3	6876.8	6895.0	6926.2	6911.2	6891.5	6972.0	6817.5	6774.3	6729.1
41°	6900.7	7067.6	6952.3	6965.1	6998.8	6980.1	6956.3	7059.8	6889.3	6844.3	6797.6
42°	6974.1	7149.1	7029.5	7039.0	7076.2	7051.3	7030.5	7147.7	6967.0	6914.5	6872.6
43°	7048.2	7229.4	7109.2	7116.9	7155.6	7124.4	7115.0	7232.3	7052.4	6989.6	6949.5
44°	7129.7	7306.7	7191.9	7196.9	7236.9	7201.6	7200.9	7307.9	7138.3	7066.8	7030.5

REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	7214.1	7383.4	7278.0	7279.7	7321.4	7284.1	7289.4	7377.2	7224.1	7152.2	7115.4
46°	7306.8	7461.7	7370.0	7367.2	7403.2	7371.5	7373.2	7447.2	7310.1	7242.2	7203.9
47°	7403.1	7538.4	7469.4	7458.0	7490.7	7463.7	7463.6	7514.8	7399.2	7336.2	7294.3
48°	7507.5	7606.9	7569.2	7549.5	7577.8	7559.0	7557.1	7576.0	7490.9	7428.7	7387.4
49°	7612.1	7677.0	7672.8	7642.2	7670.2	7655.0	7652.0	7631.7	7585.5	7521.1	7483.4
50°	7715.8	7749.3	7776.8	7741.6	7766.2	7752.8	7748.2	7686.8	7680.4	7613.9	7584.0
51°	7820.0	7825.1	7880.6	7840.3	7864.0	7845.6	7840.0	7741.9	7775.3	7710.1	7689.3
52°	7925.6	7898.3	7985.9	7947.2	7968.7	7941.0	7930.9	7798.2	7861.3	7808.2	7797.0
53°	8032.1	7968.3	8091.2	8053.2	8074.6	8037.2	8014.5	7852.4	7944.7	7905.7	7909.5
54°	8134.2	8036.6	8189.5	8163.4	8184.6	8135.8	8092.4	7907.4	8026.1	8005.4	8027.3
55°	8227.9	8105.2	8279.3	8274.4	8298.0	8230.3	8162.6	7958.8	8100.3	8097.8	8148.4
56°	8305.4	8169.2	8356.7	8384.5	8414.7	8324.9	8226.2	8007.7	8166.7	8195.3	8273.5
57°	8370.6	8232.0	8427.7	8497.8	8538.6	8416.3	8286.6	8053.7	8223.0	8293.1	8400.8
58°	8429.3	8291.5	8489.7	8597.3	8661.0	8506.0	8338.8	8096.6	8273.5	8382.8	8527.2
59°	8484.0	8347.8	8546.0	8687.1	8784.9	8594.1	8384.5	8127.1	8317.6	8473.4	8654.4
60°	8533.7	8397.5	8592.5	8779.2	8914.6	8676.5	8419.5	8148.9	8352.7	8570.4	8786.6
61°	8572.9	8442.4	8628.3	8877.9	9037.8	8757.2	8446.5	8172.4	8377.9	8663.4	8922.0
62°	8601.4	8488.1	8659.3	8973.3	9159.3	8842.0	8462.8	8188.7	8400.0	8752.3	9058.2
63°	8634.0	8530.5	8692.0	9058.2	9273.5	8927.7	8475.0	8191.2	8416.3	8842.0	9194.4
64°	8664.2	8572.9	8729.5	9130.8	9386.0	9006.0	8479.1	8183.0	8423.6	8926.0	9326.5
65°	8692.0	8581.0	8753.9	9197.6	9488.0	9081.0	8470.1	8151.9	8414.7	9001.9	9448.0
66°	8702.6	8523.9	8745.8	9268.6	9579.3	9147.9	8440.7	8080.8	8387.7	9068.8	9562.2
67°	8676.5	8454.6	8707.5	9322.4	9656.8	9187.8	8371.4	7961.0	8315.1	9125.0	9671.5
68°	8628.3	8339.6	8652.8	9360.8	9709.0	9191.9	8271.1	7735.7	8196.1	9157.7	9771.8
69°	8522.3	8070.6	8530.5	9355.9	9738.4	9160.9	8104.1	7326.4	7992.7	9144.6	9845.2
70°	8310.3	7610.2	8286.6	9309.4	9739.2	9093.2	7823.1	6739.1	7646.9	9082.6	9892.5
71°	7942.0	6921.8	7875.2	9208.2	9700.1	8972.5	7385.0	6101.6	7155.9	8972.5	9902.3
72°	7350.6	6074.7	7237.4	9030.4	9598.9	8807.8	6819.3	5590.5	6583.7	8807.8	9861.5
73°	6549.9	5185.5	6450.5	8776.0	9392.6	8560.6	6249.2	5162.1	6048.7	8533.7	9740.8
74°	5644.7	4293.0	5563.3	8372.2	9066.3	8234.4	5721.9	4617.1	5521.0	8186.3	9510.8
75°	4685.8	3174.5	4557.2	7751.1	8658.5	7825.0	5115.8	3626.0	4887.6	7759.9	9157.7
76°	3599.5	2007.9	3443.1	6966.5	8097.3	7297.3	4213.5	2294.9	3917.4	7223.8	8634.0
77°	2561.5	842.9	2456.2	6024.5	7271.1	6577.7	2971.8	1038.0	2640.9	6529.7	7823.4
78°	1523.4	349.3	1469.3	4846.2	6123.3	5595.3	1730.2	757.3	1310.7	5588.3	6607.0
79°	503.0	223.7	484.6	3371.0	4736.7	4300.5	494.1	485.2	927.5	4266.7	5087.8
80°	262.9	190.7	262.4	2159.6	3365.9	3033.5	265.6	213.0	576.9	2613.6	3446.9
81°	220.0	157.9	218.6	948.6	1995.2	1766.4	224.9	184.1	226.2	1163.5	1783.6
82°	177.1	134.4	174.8	388.9	654.1	520.0	196.5	161.2	187.3	831.1	614.6
83°	134.4	112.8	131.5	303.3	330.2	285.9	168.0	138.2	160.4	523.1	450.9
84°	108.9	93.3	106.1	217.6	268.1	233.2	139.6	115.0	133.1	215.1	289.1
85°	83.7	71.4	80.4	132.9	218.0	180.5	113.5	90.7	106.7	160.6	241.8
86°	60.4	48.3	57.1	95.2	167.9	127.9	88.9	67.9	82.4	123.6	191.0
87°	42.7	33.5	40.4	63.7	118.2	94.7	66.1	45.1	59.1	91.5	130.9
88°	25.1	18.7	23.7	44.4	80.7	64.8	45.6	22.4	35.8	73.8	66.2
89°	7.6	4.1	7.4	25.0	43.1	45.0	25.1	7.1	12.6	56.1	50.4



REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5055.2	5055.2	5055.2
1°	5054.5	5052.9	5054.3
2°	5056.4	5053.9	5053.9
3°	5060.0	5057.2	5056.9
4°	5066.2	5062.4	5060.4
5°	5074.5	5068.4	5065.3
6°	5083.9	5076.4	5073.5
7°	5095.8	5087.0	5083.1
8°	5109.0	5098.8	5094.5
9°	5125.1	5114.0	5109.0
10°	5143.6	5132.4	5126.4
11°	5167.1	5152.9	5148.3
12°	5192.8	5177.9	5172.0
13°	5219.9	5203.9	5198.7
14°	5249.9	5233.8	5228.6
15°	5284.7	5267.9	5262.8
16°	5323.5	5304.6	5298.1
17°	5364.6	5343.1	5335.5
18°	5407.2	5382.2	5373.3
19°	5452.8	5424.0	5412.7
20°	5499.7	5467.0	5454.3
21°	5548.6	5512.0	5496.2
22°	5598.2	5558.3	5538.6
23°	5649.1	5608.6	5583.8
24°	5700.7	5660.6	5630.5
25°	5753.9	5715.5	5681.0
26°	5808.0	5771.7	5731.8
27°	5863.4	5828.7	5787.3
28°	5920.6	5886.3	5845.2
29°	5977.9	5945.1	5905.2
30°	6036.2	6005.3	5970.1
31°	6095.8	6066.8	6037.4
32°	6156.9	6125.2	6105.3
33°	6219.4	6187.3	6178.3
34°	6281.7	6250.7	6254.8
35°	6346.2	6314.0	6332.1
36°	6411.3	6374.6	6409.3
37°	6472.7	6433.5	6489.6
38°	6537.0	6490.5	6571.0
39°	6600.7	6548.3	6652.7
40°	6664.1	6610.4	6737.2
41°	6729.4	6680.8	6824.8
42°	6799.7	6756.4	6909.5
43°	6873.8	6836.9	6988.1
44°	6955.1	6921.8	7061.6



REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7039.9	7009.5	7134.0
46°	7132.9	7099.8	7202.2
47°	7227.9	7198.2	7266.3
48°	7323.0	7298.4	7330.0
49°	7423.7	7404.7	7397.1
50°	7524.5	7515.7	7467.9
51°	7633.0	7629.1	7542.7
52°	7744.3	7747.9	7617.1
53°	7856.5	7862.4	7702.1
54°	7977.3	7980.8	7792.3
55°	8097.9	8095.5	7883.9
56°	8221.4	8208.3	7975.4
57°	8346.1	8316.8	8065.4
58°	8474.2	8413.8	8149.4
59°	8604.7	8501.1	8237.7
60°	8739.3	8585.1	8320.9
61°	8870.6	8669.9	8391.8
62°	9001.9	8752.3	8452.2
63°	9134.8	8818.4	8514.2
64°	9264.5	8868.9	8591.6
65°	9395.0	8930.9	8676.5
66°	9520.6	9015.8	8727.8
67°	9631.5	9072.0	8736.8
68°	9709.8	9078.6	8731.1
69°	9788.1	9032.9	8635.7
70°	9833.8	8922.8	8298.0
71°	9807.7	8651.2	7626.3
72°	9675.6	8111.8	6748.2
73°	9489.6	7352.0	5899.2
74°	9202.5	6503.2	5079.5
75°	8667.5	5554.0	3866.0
76°	7934.7	4350.8	2253.0
77°	7051.7	2804.6	886.5
78°	5920.8	1319.2	646.8
79°	4328.1	935.4	429.6
80°	2397.7	586.0	212.5
81°	1065.5	236.6	188.6
82°	767.6	194.6	166.8
83°	492.0	166.6	145.5
84°	216.5	139.4	123.6
85°	165.3	111.7	100.8
86°	128.5	86.1	74.7
87°	94.5	62.9	50.8
88°	76.0	39.7	26.9
89°	57.8	16.5	11.0



REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-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: P1436840

CATALOG NUMBER: XAS300-SFPM (5000K-300W-T4-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)