

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: P1436812

Luminaire Tested: XAS300-SFPM (4000K-240W-T5-HSS)

Issue Date: 3/25/2026

Test Information

Test Method: LM-79-2024
Report Number: P1436812
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 (4000K-240W-T5-HSS)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 80% (240W)
OPTICS - TYPE 5 WITH HOUSE SIDE SHIELD
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 36932 (1 lamp)
Luminaire Lumens: 31068.5 lumens
Efficiency: 84.1%
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Medium - Semi-Cutoff
BUG Rating: B4 - U0 - G4

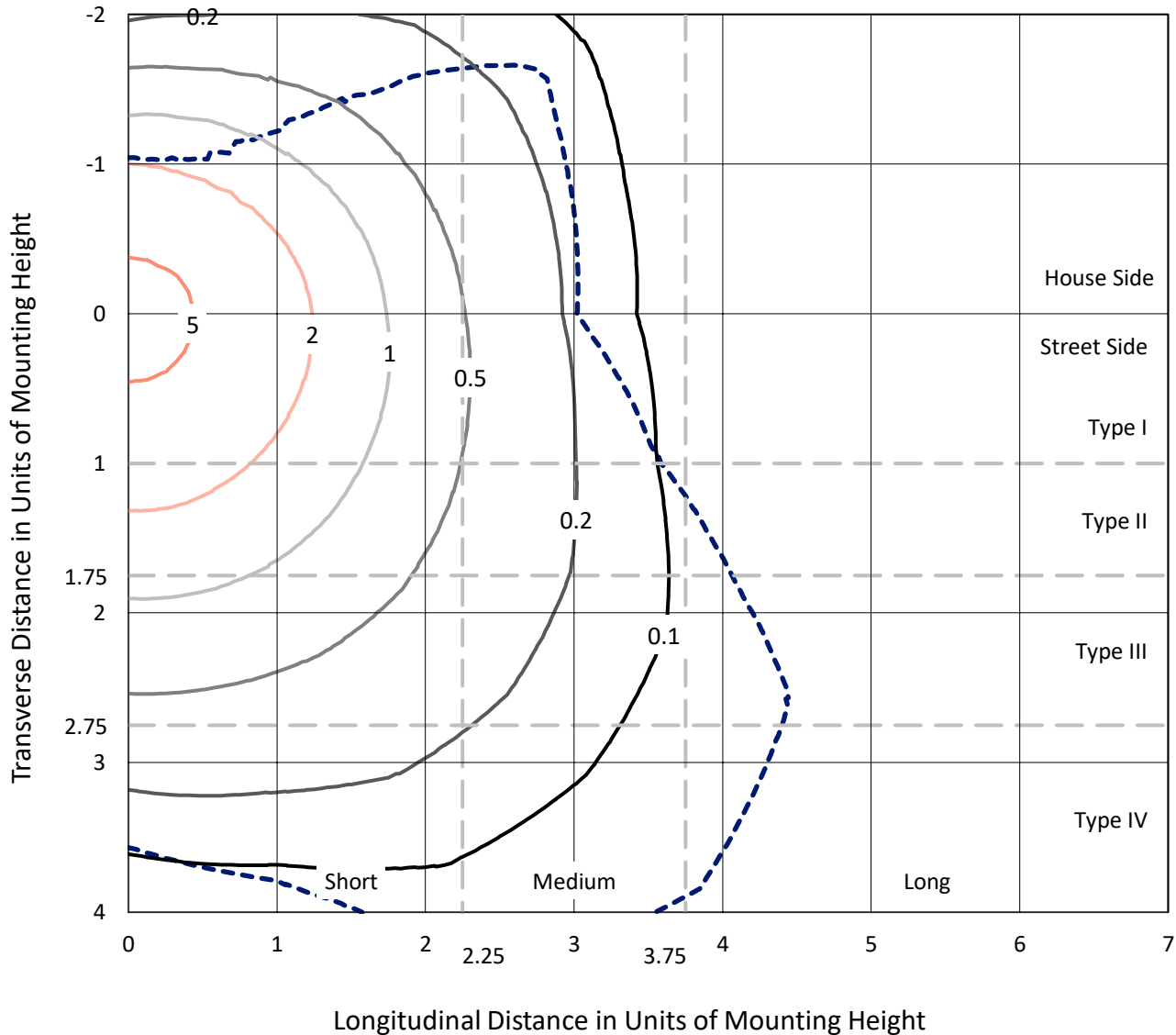
Input Watts (W): 238.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

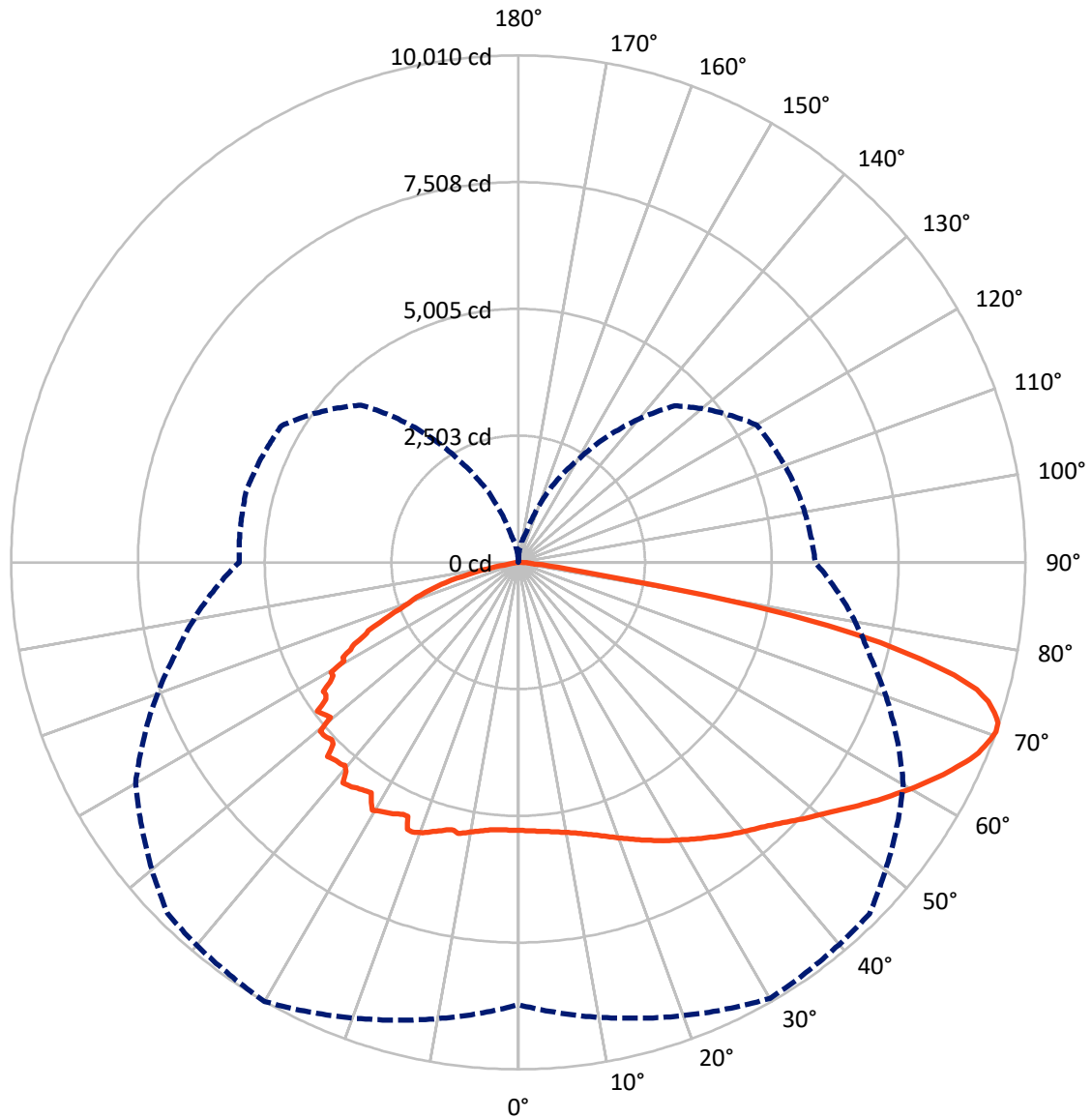
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 330-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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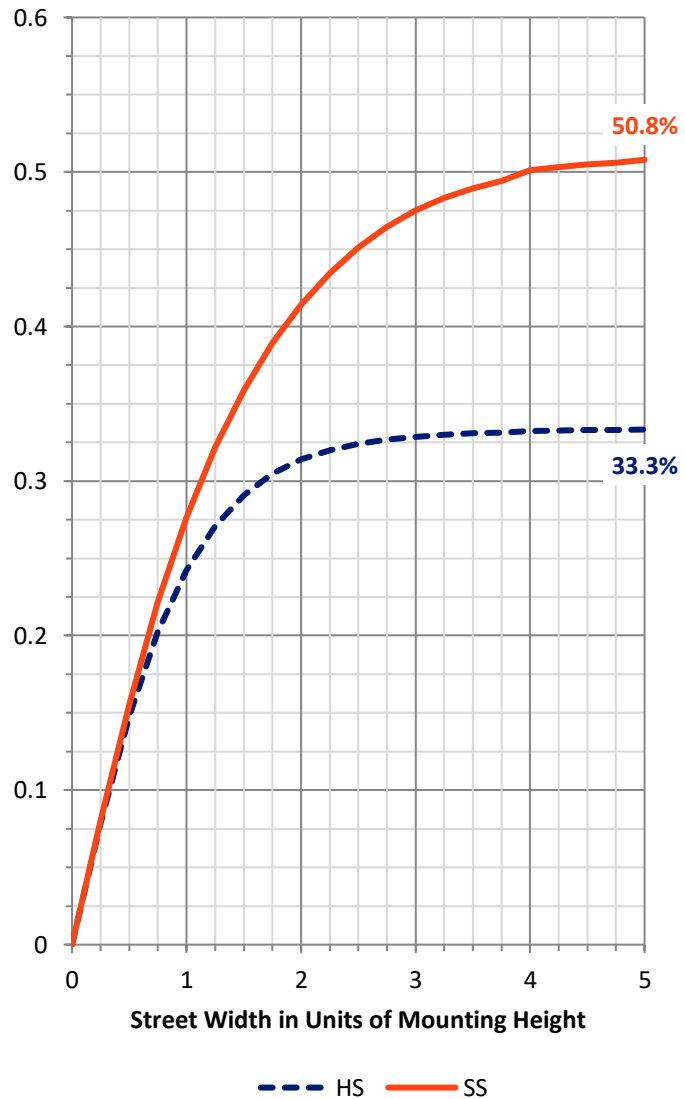
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12337.9	0.0	12337.9
	% Lamp	33.4	0.0	33.4
Street Side	Lumens	18730.6	0.0	18730.6
	% Lamp	50.7	0.0	50.7
Total	Lumens	31068.5	0.0	31068.5
	% Lamp	84.1	0.0	84.1

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	511.1	1.6	1.4
10°-20°	1579.9	5.1	4.3
20°-30°	2731.5	8.8	7.4
30°-40°	3914.3	12.6	10.6
40°-50°	5060.5	16.3	13.7
50°-60°	6089.8	19.6	16.5
60°-70°	6518.8	21.0	17.7
70°-80°	4383.6	14.1	11.9
80°-90°	279.1	0.9	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°	31068.5	100.0	84.1
0°-180°	31068.5	100.0	84.1

Coefficient of Utilization



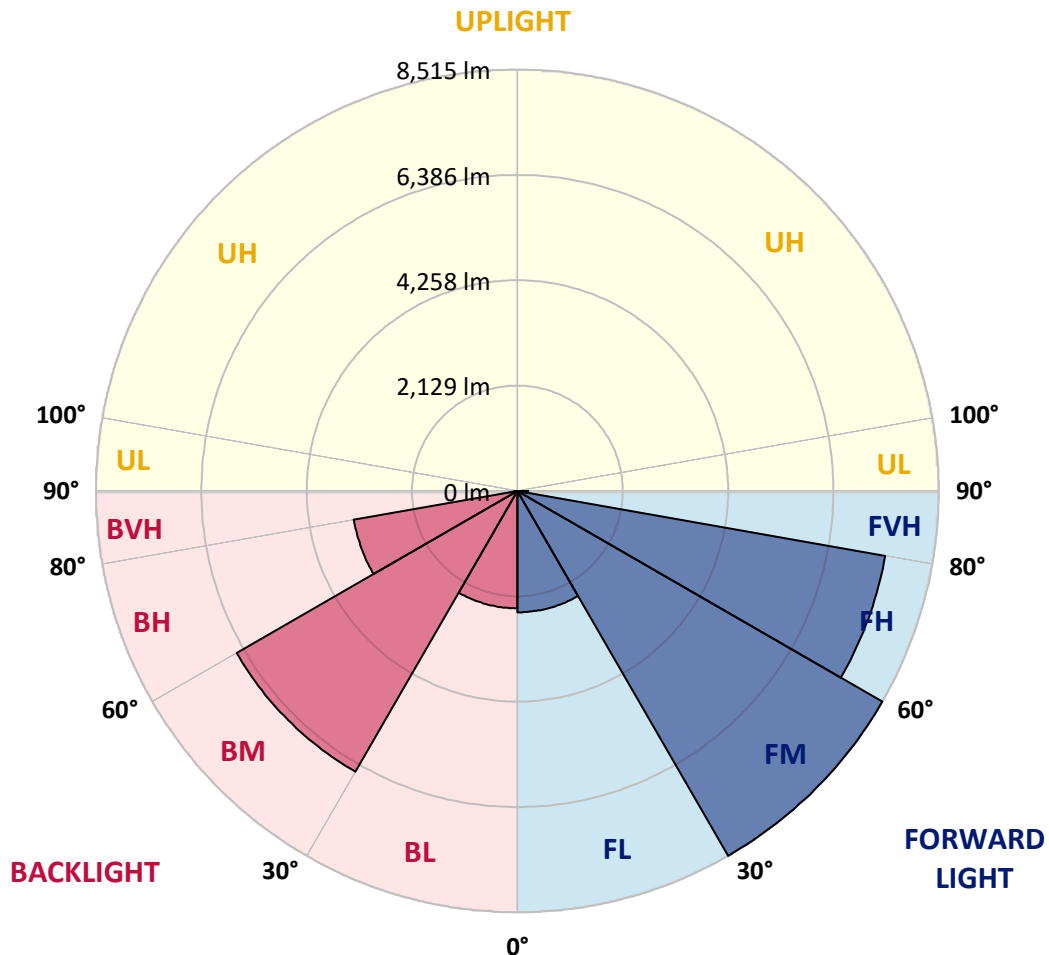
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2451.3	6.6			
FM (30°-60°)	8515.2	23.1			
FH (60°-80°)	7546.0	20.4			G4/12000
FVH (80°-90°)	218.2	0.6			G2/225
BL (0°-30°)	2371.2	6.4	B3/2500		
BM (30°-60°)	6549.3	17.7	B4/8500		
BH (60°-80°)	3356.4	9.1	B4/5000		G4/5000
BVH (80°-90°)	61.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	5863.5	15.9			

BUG Rating: B4-U0-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0
1°	5297.9	5298.4	5296.8	5298.2	5297.3	5295.6	5293.2	5291.5	5290.3	5290.6	5290.3
2°	5304.0	5303.6	5302.0	5302.4	5300.1	5297.8	5294.6	5292.1	5289.5	5289.3	5289.5
3°	5312.2	5311.0	5308.5	5308.2	5306.3	5304.5	5298.8	5295.1	5291.8	5290.2	5290.1
4°	5321.1	5319.0	5317.3	5318.2	5315.6	5314.8	5308.3	5301.9	5296.9	5294.1	5293.0
5°	5331.6	5329.5	5329.1	5330.2	5330.6	5330.2	5322.2	5314.1	5305.2	5300.4	5298.7
6°	5343.4	5341.7	5341.7	5346.0	5348.2	5346.0	5337.6	5329.1	5316.6	5308.2	5305.9
7°	5357.4	5355.5	5356.4	5363.7	5366.1	5362.9	5353.9	5344.9	5331.5	5320.8	5322.2
8°	5372.9	5371.8	5374.5	5383.0	5385.5	5383.5	5373.7	5362.8	5348.6	5340.1	5343.8
9°	5391.0	5390.1	5395.4	5403.8	5409.1	5405.8	5395.1	5380.9	5366.9	5365.0	5367.4
10°	5412.5	5411.4	5417.6	5427.7	5433.8	5429.2	5416.8	5400.4	5386.2	5393.6	5394.6
11°	5437.6	5435.5	5442.6	5455.1	5460.0	5455.0	5441.3	5422.9	5410.8	5422.8	5421.7
12°	5464.0	5461.4	5470.5	5483.6	5488.0	5483.4	5458.9	5439.5	5441.5	5454.5	5452.0
13°	5494.4	5490.1	5499.6	5515.5	5518.3	5501.9	5475.1	5454.5	5460.9	5486.7	5483.6
14°	5528.3	5522.4	5530.9	5548.1	5552.1	5524.9	5498.1	5472.2	5484.6	5520.4	5440.8
15°	5565.2	5558.7	5566.0	5582.3	5577.8	5551.7	5525.2	5498.1	5507.4	5544.6	5451.2
16°	5604.2	5597.2	5605.7	5620.3	5607.8	5582.3	5564.1	5533.7	5537.4	5558.7	5489.6
17°	5644.1	5635.7	5646.6	5659.3	5641.2	5622.6	5595.3	5562.4	5572.0	5529.4	5529.3
18°	5686.8	5677.8	5689.1	5704.8	5671.4	5661.6	5633.4	5596.7	5603.5	5542.5	5572.2
19°	5729.2	5721.0	5733.8	5747.1	5709.1	5699.6	5679.7	5644.3	5642.5	5580.2	5618.5
20°	5773.7	5765.1	5780.8	5784.2	5752.0	5740.1	5730.6	5693.6	5690.2	5612.5	5662.3
21°	5818.1	5811.2	5829.0	5826.0	5797.2	5791.6	5781.4	5736.8	5736.5	5649.0	5692.7
22°	5863.6	5859.0	5879.0	5871.2	5839.1	5845.7	5820.6	5763.0	5763.5	5697.0	5718.4
23°	5913.6	5910.5	5930.9	5917.1	5888.7	5900.1	5844.6	5793.7	5754.5	5743.9	5707.1
24°	5963.5	5964.1	5982.8	5962.2	5936.4	5942.9	5873.7	5846.7	5773.6	5778.7	5471.4
25°	6017.1	6019.6	6036.9	6012.0	5989.5	5977.7	5920.3	5878.8	5810.3	5813.3	5471.1
26°	6072.1	6075.9	6092.3	6060.1	6044.1	6012.3	5962.3	5917.8	5842.4	5855.5	5504.8
27°	6130.6	6136.9	6150.7	6116.4	6098.4	6050.9	5995.2	5970.4	5892.1	5878.3	5542.9
28°	6192.6	6200.4	6210.1	6168.6	6151.4	6104.5	6041.6	6021.9	5940.9	5771.2	5573.1
29°	6257.4	6263.1	6268.2	6218.8	6199.4	6159.9	6099.8	6062.6	5967.0	5644.2	5605.1
30°	6325.8	6326.6	6322.3	6269.5	6246.8	6200.9	6160.4	6091.1	5990.6	5663.8	5639.0
31°	6395.4	6389.9	6375.4	6328.6	6283.4	6248.6	6211.7	6131.7	6034.8	5669.9	5678.0
32°	6468.8	6454.7	6433.5	6383.2	6326.1	6297.7	6244.0	6178.6	6081.0	5694.9	5554.8
33°	6547.4	6520.1	6490.9	6437.0	6370.6	6353.5	6284.4	6225.6	6099.2	5734.4	5395.7
34°	6626.2	6584.8	6546.8	6496.9	6425.4	6408.9	6337.4	6251.7	6133.9	5777.6	5419.6
35°	6708.0	6652.1	6607.7	6559.0	6481.0	6461.4	6393.9	6291.5	6161.6	5812.9	5442.5
36°	6789.3	6715.7	6665.6	6619.3	6534.0	6501.7	6453.3	6334.5	6190.3	5831.3	5475.8
37°	6873.6	6777.8	6724.7	6679.3	6580.9	6531.8	6497.4	6367.1	6193.8	5838.3	5520.4
38°	6960.0	6838.4	6781.3	6741.7	6634.2	6572.5	6551.1	6405.6	6070.1	5678.2	5542.4
39°	7045.9	6899.7	6841.7	6797.0	6682.0	6621.5	6621.3	6433.8	5974.8	5610.7	5558.5
40°	7138.9	6964.7	6898.7	6851.9	6740.7	6678.1	6686.7	6474.1	6019.6	5658.6	5346.8
41°	7229.2	7035.9	6958.3	6911.8	6806.1	6740.1	6747.3	6492.6	6071.2	5701.5	5270.2
42°	7320.3	7114.7	7026.6	6966.3	6874.2	6804.8	6807.4	6508.9	6121.2	5694.9	5308.8
43°	7403.0	7199.1	7099.2	7029.5	6943.7	6852.3	6859.5	6556.8	6101.4	5711.7	5313.4
44°	7482.1	7287.7	7175.1	7095.3	7014.6	6913.7	6911.0	6595.0	6106.8	5753.3	5341.9



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	7557.9	7378.1	7251.7	7162.7	7076.9	6979.8	6966.4	6660.1	6148.3	5782.0	5370.5
46°	7629.7	7471.1	7333.4	7240.6	7141.3	7058.4	7006.7	6666.0	6196.7	5611.5	5123.4
47°	7697.7	7568.1	7420.7	7324.7	7213.0	7129.9	7046.4	6646.1	6208.9	5517.3	5078.9
48°	7764.4	7672.3	7512.2	7413.8	7286.4	7199.1	7103.8	6683.4	6214.8	5547.9	5121.6
49°	7835.0	7781.9	7610.1	7504.1	7368.2	7275.4	7157.6	6737.9	6083.8	5603.3	5137.6
50°	7908.5	7896.6	7709.3	7587.5	7454.3	7349.8	7210.0	6771.9	6067.2	5628.2	5135.7
51°	7985.4	8012.4	7812.7	7677.1	7541.8	7417.8	7254.2	6793.1	6088.5	5639.1	4806.4
52°	8063.6	8133.3	7919.8	7776.0	7635.5	7488.4	7252.4	6829.7	6109.4	5437.1	4845.3
53°	8150.4	8255.7	8027.5	7877.9	7725.2	7555.4	7208.1	6850.0	6171.7	5412.9	4896.9
54°	8246.0	8377.0	8147.0	7985.0	7804.1	7615.7	7197.3	6849.2	6174.2	5438.1	4936.9
55°	8339.7	8495.7	8270.0	8099.3	7886.3	7663.3	7216.5	6849.1	6173.2	5453.2	4661.8
56°	8435.2	8611.0	8395.5	8221.7	7972.1	7717.4	7245.5	6835.5	6139.2	5381.1	4604.0
57°	8526.9	8722.0	8522.7	8342.2	8062.5	7779.9	7261.0	6827.7	6005.7	5201.8	4616.4
58°	8616.0	8824.7	8651.4	8469.7	8151.3	7837.7	7257.5	6755.0	6024.3	5266.5	4408.2
59°	8703.5	8918.0	8780.9	8594.2	8237.2	7885.0	7249.8	6757.3	6015.8	5334.2	4284.5
60°	8789.3	9006.4	8908.0	8722.0	8317.4	7925.8	7247.0	6702.2	5991.3	5310.4	4287.9
61°	8861.7	9082.1	9037.5	8843.2	8399.3	7948.1	7225.4	6645.3	5937.7	5130.7	3955.5
62°	8924.8	9148.6	9164.5	8959.3	8482.3	7932.7	7172.5	6576.1	5865.6	5108.2	3939.8
63°	8985.3	9208.3	9289.9	9078.7	8557.2	7867.0	7110.0	6500.2	5842.5	5030.7	3733.7
64°	9064.4	9265.5	9418.6	9204.9	8614.4	7806.6	7030.5	6427.5	5777.1	4925.8	3619.5
65°	9146.9	9336.1	9538.0	9334.5	8677.5	7758.4	6953.2	6340.6	5642.9	4880.8	3357.5
66°	9196.5	9411.0	9644.0	9449.7	8738.0	7732.0	6849.1	6267.5	5663.4	4740.9	3257.4
67°	9203.2	9465.7	9734.9	9559.9	8775.0	7690.3	6724.2	6153.7	5698.3	4667.1	2978.9
68°	9194.0	9474.1	9824.9	9665.1	8802.0	7607.2	6523.6	6034.9	5726.0	4567.1	2768.4
69°	9086.3	9435.4	9901.5	9750.9	8801.1	7465.2	6287.5	5889.7	5576.6	4472.0	2500.4
70°	8731.3	9316.8	9937.6	9808.1	8775.9	7196.8	5864.4	5678.7	5429.7	4369.2	2319.7
71°	8035.8	9010.6	9907.4	9822.4	8716.1	6832.5	5314.0	5372.0	5311.8	4230.9	2205.9
72°	7137.9	8443.6	9804.7	9784.5	8624.5	6365.2	4796.0	4996.3	5163.4	4072.7	2028.3
73°	6260.3	7665.1	9618.0	9702.1	8463.8	5855.8	4349.3	4569.9	4934.5	3902.3	1850.1
74°	5400.0	6811.5	9331.9	9543.9	8211.1	5349.3	3952.4	4125.1	4698.3	3701.7	1671.7
75°	4122.1	5857.8	8902.1	9254.5	7917.1	4841.5	3479.0	3681.3	4432.9	3458.3	1491.9
76°	2458.7	4622.7	8236.8	8812.9	7486.0	4158.1	2563.4	3252.5	4110.6	3133.4	1252.4
77°	1066.0	2929.6	7359.6	8135.4	6920.2	3133.2	1647.9	2465.7	3744.3	2710.2	1018.8
78°	814.1	1368.3	6279.3	7141.9	6140.3	1872.7	745.7	1678.8	3306.7	2182.4	748.0
79°	578.5	1025.1	4805.4	5876.7	4985.3	801.9	275.0	892.0	2698.9	1654.6	452.5
80°	342.9	685.4	2940.7	4301.5	3508.3	599.7	231.9	636.4	1858.7	1126.7	277.8
81°	312.1	345.8	1412.3	2647.9	1913.2	402.2	188.8	381.0	1018.8	631.0	104.3
82°	285.3	308.0	1029.9	1173.0	806.2	204.7	146.1	133.4	717.1	369.9	62.1
83°	258.6	274.9	675.8	880.4	539.7	176.8	125.6	113.6	415.2	111.6	43.3
84°	231.3	242.9	321.7	603.3	275.0	151.2	106.2	95.4	116.1	89.9	33.4
85°	202.9	212.2	260.0	326.1	218.4	127.0	87.1	77.3	91.5	74.9	26.2
86°	171.9	182.3	215.1	272.4	175.5	103.9	68.2	60.9	70.5	61.0	21.9
87°	141.2	154.4	178.1	214.1	141.5	82.9	49.5	46.3	54.1	46.0	17.6
88°	114.6	127.4	142.5	149.6	109.8	63.6	35.3	35.9	40.1	32.8	13.3
89°	94.3	99.5	102.0	88.2	84.6	44.4	21.2	25.4	28.5	19.5	9.3



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CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0	5294.0
1°	5290.1	5291.4	5292.6	5293.8	5295.7	5296.6	5298.6	5297.6	5297.6	5298.4	5299.8
2°	5288.7	5291.2	5292.9	5295.5	5298.6	5301.3	5303.0	5304.9	5304.7	5305.7	5306.2
3°	5290.3	5292.4	5296.0	5299.1	5303.5	5307.3	5310.6	5314.2	5314.8	5315.6	5314.4
4°	5293.0	5296.3	5299.7	5304.0	5310.1	5316.8	5322.4	5326.6	5327.9	5328.5	5325.9
5°	5296.9	5299.9	5304.5	5311.4	5319.0	5328.4	5335.8	5340.8	5342.5	5342.6	5340.1
6°	5308.4	5313.1	5317.3	5319.9	5331.6	5342.4	5350.6	5357.8	5358.7	5358.4	5354.1
7°	5327.3	5332.3	5336.2	5338.9	5345.0	5358.2	5368.1	5377.0	5378.2	5376.7	5371.2
8°	5347.4	5351.6	5355.4	5361.3	5365.4	5376.7	5387.8	5397.2	5400.2	5399.5	5391.4
9°	5369.5	5372.8	5378.2	5386.7	5390.8	5396.3	5407.8	5418.3	5422.9	5422.8	5412.8
10°	5391.4	5394.8	5400.9	5413.4	5419.2	5418.0	5431.8	5444.3	5447.7	5447.2	5436.9
11°	5419.1	5422.3	5427.2	5441.3	5450.9	5446.5	5459.7	5475.2	5478.7	5476.0	5465.3
12°	5425.5	5391.5	5438.9	5472.7	5486.1	5482.1	5477.3	5495.8	5512.3	5509.6	5496.4
13°	5375.0	5378.1	5384.5	5505.5	5521.6	5505.1	5501.5	5521.0	5537.9	5548.9	5530.7
14°	5406.6	5412.7	5419.4	5471.1	5560.1	5533.8	5526.1	5547.3	5565.7	5583.1	5567.7
15°	5445.4	5448.5	5455.8	5475.7	5587.9	5563.2	5557.8	5581.2	5596.7	5614.7	5608.7
16°	5484.8	5488.7	5495.4	5517.2	5618.3	5601.9	5589.6	5619.7	5634.2	5649.1	5653.2
17°	5526.6	5530.4	5539.4	5561.7	5597.7	5634.2	5624.9	5659.4	5679.4	5684.1	5698.3
18°	5569.4	5566.2	5581.3	5607.7	5606.2	5673.3	5669.7	5703.6	5719.2	5726.8	5741.0
19°	5607.5	5602.9	5621.5	5655.7	5641.5	5723.1	5719.5	5756.2	5764.5	5773.2	5778.4
20°	5644.4	5621.9	5660.2	5702.5	5679.3	5774.3	5766.1	5808.6	5816.4	5823.4	5822.8
21°	5561.3	5364.6	5582.3	5731.3	5727.9	5817.0	5809.3	5854.2	5873.5	5865.5	5870.9
22°	5379.4	5370.2	5404.6	5761.4	5779.9	5848.7	5839.3	5892.8	5930.0	5916.9	5915.8
23°	5412.6	5405.3	5441.3	5764.2	5822.5	5848.6	5884.6	5920.9	5981.2	5966.2	5966.6
24°	5447.9	5443.6	5479.8	5535.9	5864.7	5875.2	5941.6	5967.2	6029.5	6023.7	6017.3
25°	5489.6	5488.7	5524.0	5541.3	5902.8	5907.2	5977.3	6020.6	6066.1	6082.6	6068.8
26°	5537.1	5534.2	5574.6	5583.1	5950.5	5946.5	6021.5	6056.6	6105.2	6139.8	6122.2
27°	5580.1	5579.1	5621.1	5621.0	5970.1	5999.9	6080.3	6098.7	6162.7	6193.6	6171.0
28°	5626.5	5580.7	5665.3	5654.4	5872.7	6048.0	6133.3	6158.1	6224.2	6243.7	6222.4
29°	5569.5	5297.7	5597.2	5687.0	5748.1	6071.4	6168.5	6221.6	6273.9	6294.0	6279.7
30°	5326.0	5335.1	5368.5	5729.5	5763.3	6103.1	6207.5	6278.7	6323.1	6337.5	6334.5
31°	5360.5	5378.8	5407.7	5768.9	5775.2	6149.1	6255.8	6321.6	6375.6	6380.4	6389.7
32°	5396.8	5430.5	5446.5	5630.5	5809.6	6196.6	6308.6	6363.3	6433.8	6426.2	6454.8
33°	5438.5	5483.2	5491.4	5482.5	5855.2	6215.8	6357.8	6410.2	6487.6	6486.1	6519.4
34°	5482.0	5532.3	5532.9	5507.9	5901.8	6251.7	6384.7	6464.8	6537.8	6543.4	6584.3
35°	5520.5	5577.0	5571.4	5531.4	5931.4	6277.9	6426.2	6524.8	6575.1	6600.1	6648.8
36°	5551.9	5262.8	5599.9	5570.2	5945.9	6303.0	6459.3	6574.6	6603.3	6643.5	6708.6
37°	5222.7	5237.6	5259.9	5611.5	5946.3	6303.9	6493.2	6622.6	6644.1	6695.4	6767.1
38°	5183.2	5286.6	5236.0	5626.8	5784.5	6183.9	6528.5	6686.5	6688.8	6743.4	6826.8
39°	5218.0	5341.7	5270.6	5651.9	5727.0	6101.8	6554.1	6752.3	6741.1	6804.2	6885.3
40°	5260.3	5396.7	5308.9	5438.6	5777.6	6151.7	6596.0	6814.3	6800.4	6868.9	6939.8
41°	5284.6	5410.3	5333.5	5373.9	5809.3	6204.4	6607.8	6886.4	6865.1	6934.3	6995.0
42°	5271.6	5018.5	5335.6	5404.5	5800.2	6238.6	6629.2	6952.3	6925.0	6998.4	7057.6
43°	4932.6	5047.4	4991.1	5407.5	5829.0	6207.1	6681.9	7007.8	6990.7	7063.6	7120.8
44°	4967.1	5082.6	5029.3	5435.8	5870.2	6225.5	6730.2	7064.9	7063.3	7121.1	7194.7

REPORT NUMBER: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	5016.2	5111.6	5076.1	5461.5	5904.6	6276.1	6793.1	7114.3	7140.3	7187.0	7279.0
46°	5043.8	5008.4	5097.3	5191.2	5725.4	6317.8	6773.5	7152.4	7209.5	7265.9	7368.1
47°	4966.9	4654.8	5023.3	5181.5	5645.3	6343.8	6769.1	7204.3	7279.7	7345.9	7456.6
48°	4656.4	4675.7	4722.9	5217.5	5683.0	6336.2	6818.7	7258.9	7360.2	7430.9	7541.2
49°	4703.7	4700.9	4769.0	5234.4	5740.3	6206.3	6884.3	7307.7	7440.0	7515.8	7626.1
50°	4751.9	4718.8	4817.8	5226.7	5752.9	6217.6	6918.2	7351.0	7508.6	7600.7	7715.5
51°	4797.2	4253.6	4854.3	4912.0	5767.2	6239.7	6939.4	7371.8	7580.0	7691.2	7813.9
52°	4392.1	4265.6	4439.7	4958.6	5541.6	6270.2	6988.0	7331.0	7650.7	7779.0	7909.6
53°	4376.7	4282.7	4440.0	5010.5	5550.2	6327.1	6997.1	7307.1	7716.3	7857.7	8017.6
54°	4387.9	3943.6	4442.2	5058.7	5581.0	6326.5	7000.5	7320.4	7764.2	7939.0	8130.8
55°	4080.5	3766.0	4131.9	4733.9	5594.3	6322.9	6995.5	7348.4	7813.2	8014.6	8246.5
56°	3923.9	3766.7	3987.4	4708.6	5482.9	6280.0	6972.2	7371.8	7867.1	8097.8	8366.1
57°	3926.6	3369.1	3995.8	4727.9	5366.6	6167.5	6953.1	7366.5	7914.8	8181.7	8483.1
58°	3545.4	3259.0	3590.6	4487.1	5428.9	6180.1	6874.4	7350.9	7953.6	8253.6	8600.1
59°	3455.7	3236.4	3518.5	4397.9	5492.2	6164.3	6875.3	7340.9	7986.9	8325.8	8711.9
60°	3358.4	2711.3	3391.5	4399.0	5421.7	6129.9	6790.9	7325.3	8003.7	8407.6	8821.3
61°	2973.4	2690.8	3033.4	4060.7	5265.7	6057.7	6732.3	7278.3	7984.5	8484.8	8936.6
62°	2890.5	2164.1	2918.6	4053.2	5241.3	5991.2	6647.6	7230.3	7918.5	8547.9	9061.1
63°	2466.6	1871.9	2519.2	3792.3	5141.7	5961.3	6557.7	7135.8	7861.0	8605.1	9185.6
64°	2199.4	1579.8	2223.0	3715.2	5047.4	5875.1	6477.4	7064.7	7815.1	8666.5	9300.0
65°	1913.3	1288.1	1922.9	3426.1	4987.3	5756.3	6379.8	6956.5	7780.6	8725.4	9409.3
66°	1627.3	1023.0	1622.9	3329.4	4845.1	5781.2	6277.3	6824.8	7742.9	8769.1	9512.0
67°	1339.3	680.3	1321.6	3058.2	4766.8	5800.7	6128.7	6641.5	7666.3	8797.8	9610.4
68°	996.2	337.6	954.6	2796.5	4635.7	5784.4	5985.9	6436.1	7536.3	8808.7	9700.4
69°	698.0	0.6	655.5	2498.5	4512.9	5572.6	5809.9	6057.1	7323.5	8782.6	9767.7
70°	625.0	0.5	560.9	2314.1	4388.0	5394.4	5549.9	5509.8	7008.1	8722.0	9798.0
71°	546.0	0.5	477.4	2188.9	4234.2	5235.5	5179.5	4941.9	6536.8	8631.2	9793.8
72°	459.8	0.5	385.7	1984.4	4054.8	5048.1	4756.0	4460.4	5987.7	8494.9	9753.4
73°	371.5	0.5	292.2	1759.2	3844.2	4791.9	4316.0	4085.1	5448.7	8255.9	9639.0
74°	293.4	0.6	209.1	1534.1	3583.8	4535.1	3889.8	3614.1	4924.4	7932.7	9424.5
75°	212.9	0.7	126.9	1308.5	3306.4	4243.6	3404.5	2831.1	4341.8	7511.5	9104.0
76°	132.5	0.8	72.2	1052.1	2928.5	3859.4	2817.7	1806.9	3494.2	6973.1	8632.0
77°	63.6	0.9	33.2	810.8	2420.3	3411.3	2279.4	835.2	2364.4	6316.8	7908.2
78°	47.0	1.1	26.4	545.8	1872.0	2854.6	1741.0	605.2	1158.8	5426.0	6776.2
79°	30.5	1.3	19.7	388.9	1323.6	2086.3	1202.7	394.3	834.0	4228.1	5312.5
80°	14.1	1.5	12.9	232.0	781.5	1318.0	664.4	183.4	529.1	2710.2	3732.4
81°	12.4	1.8	11.4	75.5	554.2	560.7	144.9	157.0	224.3	1291.1	2086.3
82°	11.0	2.0	10.3	51.0	326.9	347.6	124.5	136.7	195.4	938.2	812.4
83°	9.9	2.3	9.4	40.7	103.3	135.8	106.2	116.8	169.6	596.6	629.0
84°	9.0	2.6	8.6	32.0	88.1	107.0	88.9	97.7	144.5	255.0	472.2
85°	8.1	2.9	7.9	24.6	74.2	85.1	72.2	78.1	120.8	201.6	315.4
86°	7.3	3.2	7.1	20.5	60.0	66.3	56.6	58.6	98.2	162.9	260.2
87°	6.6	3.5	6.5	16.4	44.5	50.2	42.9	39.0	79.2	130.3	200.1
88°	6.1	3.8	6.0	12.3	31.6	35.5	30.3	22.5	58.7	98.6	133.9
89°	5.5	4.1	5.5	8.9	18.7	20.7	17.7	9.7	38.2	77.0	77.6



REPORT NUMBER: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5294.0	5294.0	5294.0
1°	5298.7	5299.1	5297.9
2°	5305.1	5304.6	5304.0
3°	5313.8	5312.4	5312.2
4°	5324.3	5321.8	5321.1
5°	5336.1	5332.8	5331.6
6°	5349.3	5344.1	5343.4
7°	5364.5	5358.8	5357.4
8°	5382.6	5375.4	5372.9
9°	5402.7	5394.2	5391.0
10°	5425.2	5415.4	5412.5
11°	5451.1	5439.6	5437.6
12°	5479.8	5466.2	5464.0
13°	5511.0	5496.4	5494.4
14°	5544.4	5531.4	5528.3
15°	5582.8	5568.2	5565.2
16°	5624.1	5607.6	5604.2
17°	5668.9	5650.4	5644.1
18°	5714.7	5692.5	5686.8
19°	5762.5	5737.6	5729.2
20°	5811.9	5782.5	5773.7
21°	5863.5	5831.1	5818.1
22°	5916.2	5880.8	5863.6
23°	5971.4	5934.5	5913.6
24°	6024.9	5989.6	5963.5
25°	6079.4	6048.8	6017.1
26°	6136.8	6110.0	6072.1
27°	6195.0	6169.5	6130.6
28°	6248.9	6232.3	6192.6
29°	6301.2	6294.0	6257.4
30°	6358.1	6357.4	6325.8
31°	6415.8	6422.2	6395.4
32°	6473.1	6485.8	6468.8
33°	6535.0	6551.4	6547.4
34°	6594.5	6618.4	6626.2
35°	6655.0	6685.6	6708.0
36°	6717.5	6749.9	6789.3
37°	6780.7	6813.5	6873.6
38°	6841.9	6874.7	6960.0
39°	6902.5	6935.8	7045.9
40°	6965.5	7002.4	7138.9
41°	7030.5	7076.0	7229.2
42°	7097.9	7156.9	7320.3
43°	7168.4	7241.1	7403.0
44°	7247.3	7332.1	7482.1



REPORT NUMBER: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	7330.7	7422.2	7557.9
46°	7423.6	7517.0	7629.7
47°	7519.1	7619.4	7697.7
48°	7611.9	7726.2	7764.4
49°	7707.4	7835.7	7835.0
50°	7808.7	7952.2	7908.5
51°	7916.1	8068.5	7985.4
52°	8026.6	8190.9	8063.6
53°	8141.8	8311.7	8150.4
54°	8263.6	8433.5	8246.0
55°	8383.5	8551.3	8339.7
56°	8507.5	8666.5	8435.2
57°	8627.8	8777.6	8526.9
58°	8750.6	8877.7	8616.0
59°	8877.7	8966.8	8703.5
60°	9005.5	9051.8	8789.3
61°	9134.2	9139.3	8861.7
62°	9259.6	9219.2	8924.8
63°	9380.7	9279.8	8985.3
64°	9498.5	9324.4	9064.4
65°	9617.1	9385.8	9146.9
66°	9734.9	9463.2	9196.5
67°	9832.5	9516.2	9203.2
68°	9896.4	9520.4	9194.0
69°	9964.6	9471.6	9086.3
70°	10010.0	9356.3	8731.3
71°	9987.3	9077.9	8035.8
72°	9861.1	8530.2	7137.9
73°	9678.5	7753.4	6260.3
74°	9398.4	6873.1	5400.0
75°	8885.2	5907.1	4122.1
76°	8170.9	4689.4	2458.7
77°	7321.1	3112.6	1066.0
78°	6236.2	1539.6	814.1
79°	4714.8	692.7	578.5
80°	2750.3	513.5	342.9
81°	1300.1	356.6	312.1
82°	951.6	313.9	285.3
83°	636.4	280.6	258.6
84°	321.2	247.3	231.3
85°	258.2	214.0	202.9
86°	215.8	183.2	171.9
87°	178.1	154.6	141.2
88°	141.7	127.1	114.6
89°	99.2	98.8	94.3



REPORT NUMBER: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-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: P1436812

CATALOG NUMBER: XAS300-SFPM (4000K-240W-T5-HSS)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)