

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: P1445058

Luminaire Tested: XAS300-SFPM (3000K-300W-T4)

Issue Date: 5/5/2026

Test Information

Test Method: LM-79-2024
Report Number: P1445058
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-300W-T4)
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.
LUMEN OUTPUT - 100% (300W)
OPTICS - TYPE 4
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: 46561 (1 lamp)
Luminaire Lumens: 41780.9 lumens
Efficiency: 89.7%
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B5 - U0 - G5

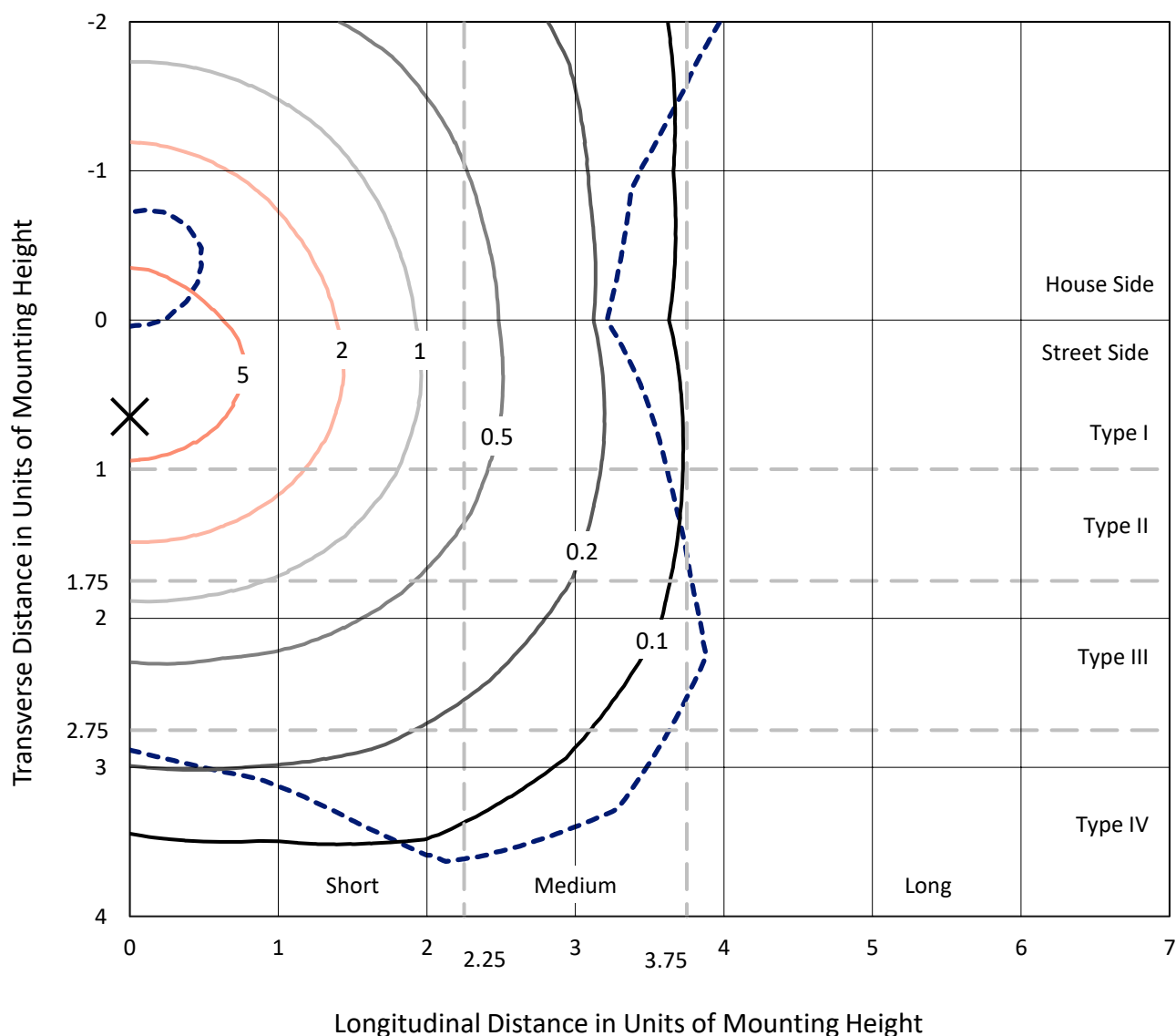
Input Watts (W): 291.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

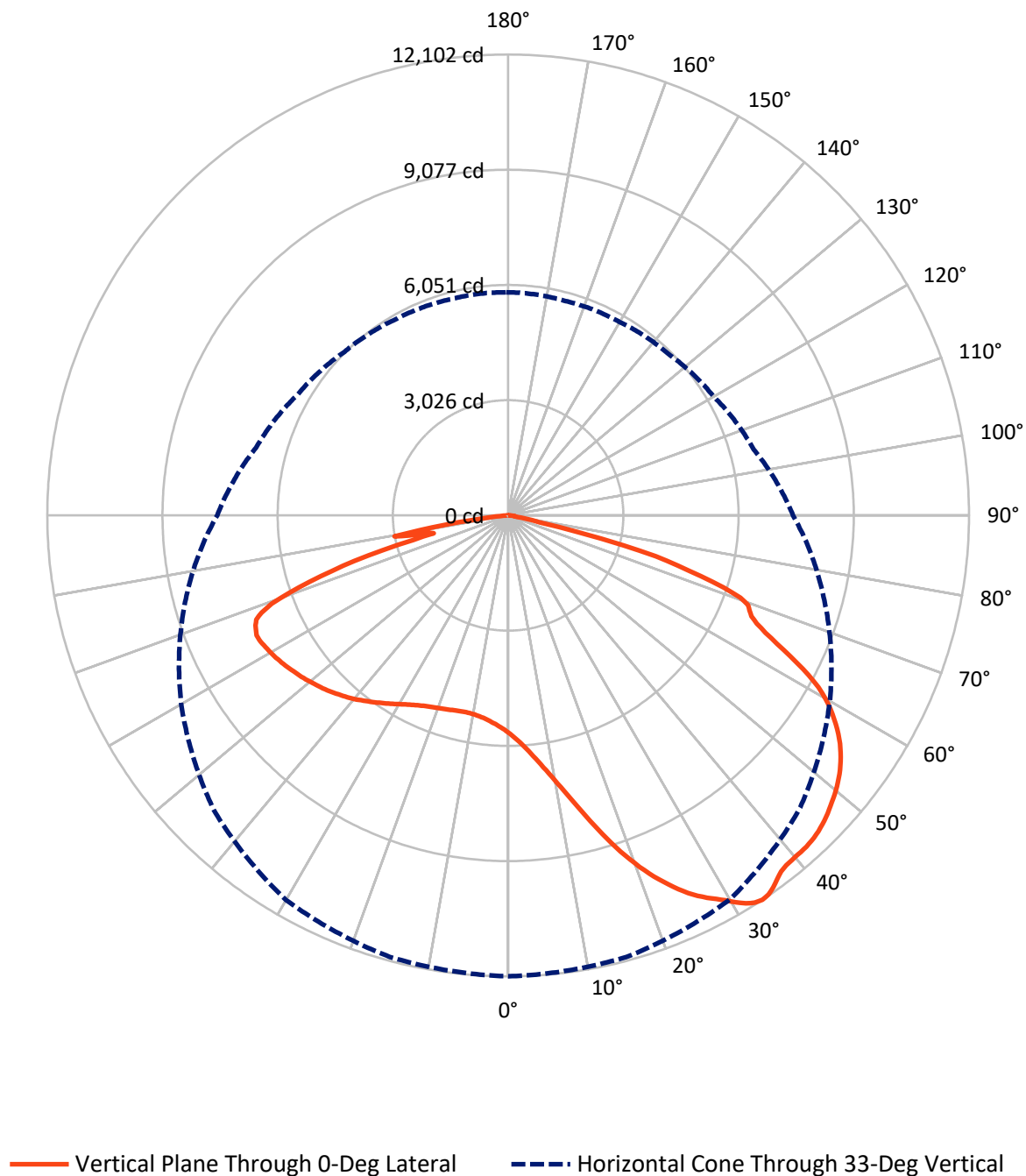


Based on 30 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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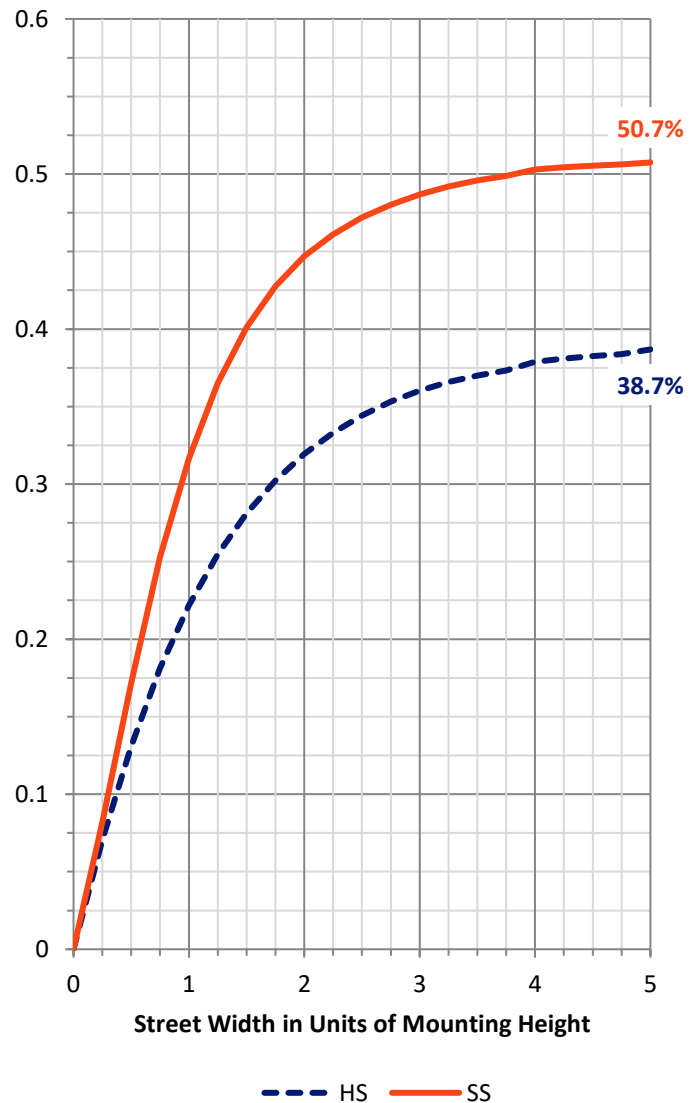
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18181.7	0.0	18181.7
	% Lamp	39.0	0.0	39.0
Street Side	Lumens	23599.2	0.0	23599.2
	% Lamp	50.7	0.0	50.7
Total	Lumens	41780.9	0.0	41780.9
	% Lamp	89.7	0.0	89.7

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	564.4	1.4	1.2
10°-20°	1867.2	4.5	4.0
20°-30°	3525.8	8.4	7.6
30°-40°	5313.4	12.7	11.4
40°-50°	6868.2	16.4	14.8
50°-60°	8226.0	19.7	17.7
60°-70°	8738.3	20.9	18.8
70°-80°	5987.8	14.3	12.9
80°-90°	689.7	1.7	1.5
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°	41780.9	100.0	89.7
0°-180°	41780.9	100.0	89.7

Coefficient of Utilization



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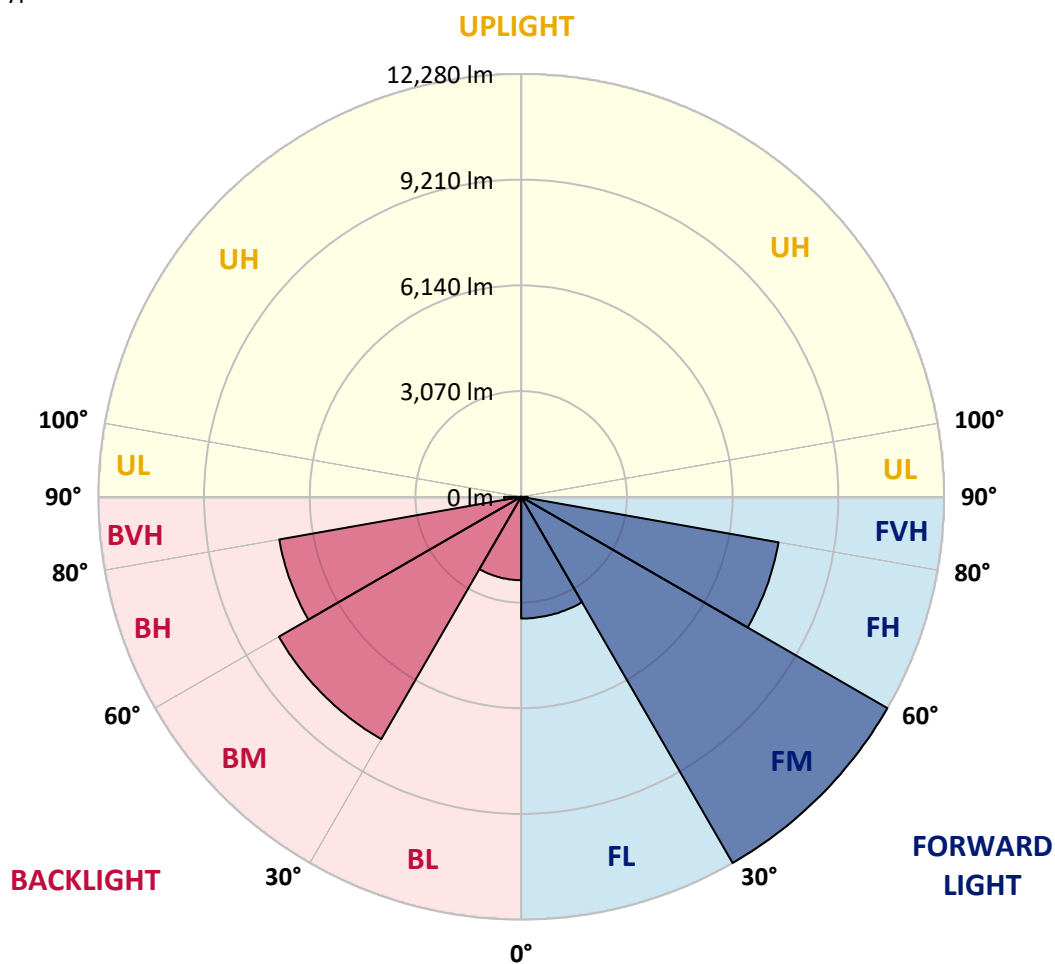
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3535.9	7.6			
FM	(30°-60°)	12280.4	26.4			
FH	(60°-80°)	7591.6	16.3			G4/12000
FVH	(80°-90°)	191.2	0.4			G2/225
BL	(0°-30°)	2421.4	5.2	B3/2500		
BM	(30°-60°)	8127.3	17.5	B4/8500		
BH	(60°-80°)	7134.5	15.3	B5		G5
BVH	(80°-90°)	498.5	1.1			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	
Trapped Light		4780.1	10.3			

BUG Rating: B5-U0-G5

Type IV Short



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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6
1°	5820.9	5818.9	5812.9	5804.2	5788.2	5768.2	5728.1	5707.3	5689.4	5674.5	5664.6
2°	5917.3	5911.1	5895.2	5869.8	5833.1	5792.4	5730.8	5690.1	5653.3	5624.5	5605.0
3°	6026.6	6015.7	5987.7	5941.5	5884.6	5821.0	5738.3	5677.2	5623.6	5582.8	5554.7
4°	6149.0	6132.5	6090.3	6025.0	5943.2	5855.8	5749.3	5668.4	5600.2	5547.4	5511.7
5°	6284.0	6261.2	6201.7	6115.8	6011.0	5897.0	5766.5	5666.0	5581.5	5519.1	5475.8
6°	6433.6	6405.0	6331.6	6217.1	6084.0	5940.7	5786.5	5666.6	5566.7	5494.4	5442.3
7°	6595.1	6561.3	6467.9	6328.5	6161.8	5988.1	5807.7	5669.0	5556.8	5472.6	5412.7
8°	6767.1	6727.6	6616.3	6448.9	6245.9	6040.2	5833.3	5675.8	5550.3	5454.2	5388.8
9°	6957.5	6913.2	6779.4	6578.1	6338.2	6097.3	5862.7	5684.3	5544.6	5439.8	5369.1
10°	7163.3	7105.0	6949.8	6717.2	6437.7	6158.3	5896.3	5695.1	5540.1	5431.3	5355.2
11°	7386.1	7320.0	7137.5	6864.3	6542.6	6224.6	5931.6	5709.3	5538.7	5424.7	5346.4
12°	7625.6	7544.9	7334.1	7023.0	6654.9	6296.3	5970.8	5728.3	5542.1	5422.1	5342.4
13°	7884.0	7789.4	7547.7	7189.7	6772.9	6371.8	6017.2	5750.1	5549.8	5422.3	5343.3
14°	8156.6	8050.9	7769.1	7367.9	6901.7	6454.6	6069.0	5775.7	5559.7	5426.7	5348.7
15°	8440.3	8320.2	7999.8	7555.0	7034.7	6540.2	6122.4	5804.3	5572.6	5434.4	5357.0
16°	8732.2	8592.8	8238.7	7747.2	7176.5	6632.3	6180.1	5839.0	5589.2	5444.5	5368.5
17°	9020.0	8869.1	8482.6	7940.8	7322.7	6730.4	6243.2	5875.3	5610.9	5459.3	5384.0
18°	9304.5	9143.0	8725.5	8142.9	7472.6	6833.6	6310.2	5915.8	5634.6	5478.2	5402.4
19°	9581.8	9412.2	8969.3	8340.9	7624.2	6938.8	6377.1	5958.8	5662.5	5498.0	5422.4
20°	9851.9	9668.8	9203.1	8538.4	7779.5	7044.9	6447.0	6005.2	5692.4	5523.0	5446.0
21°	10104.9	9919.2	9434.6	8736.1	7937.3	7157.2	6520.0	6053.7	5725.5	5549.3	5468.6
22°	10344.5	10156.1	9651.8	8929.0	8093.6	7273.5	6593.7	6102.5	5761.5	5578.6	5494.8
23°	10566.2	10385.8	9866.2	9120.5	8254.3	7390.9	6667.3	6151.2	5798.9	5609.8	5521.9
24°	10780.6	10601.1	10071.7	9303.6	8406.9	7507.3	6738.6	6200.4	5837.7	5641.0	5550.9
25°	10985.2	10811.1	10274.5	9484.9	8560.7	7620.6	6811.1	6248.6	5877.6	5674.6	5580.6
26°	11158.4	10997.8	10470.1	9662.5	8709.8	7737.5	6886.0	6298.4	5919.3	5708.6	5610.7
27°	11317.2	11167.4	10660.4	9833.0	8858.3	7856.9	6961.1	6347.2	5961.1	5742.9	5642.4
28°	11459.9	11317.2	10835.4	10003.5	9005.7	7975.9	7039.6	6396.7	6003.6	5779.3	5674.1
29°	11612.4	11465.3	11001.4	10170.4	9147.5	8098.4	7122.3	6450.0	6048.4	5814.5	5709.9
30°	11793.7	11638.5	11163.8	10338.2	9289.2	8225.4	7208.9	6506.5	6093.8	5852.5	5745.8
31°	11945.4	11800.9	11342.4	10509.6	9437.3	8350.3	7297.3	6563.6	6140.7	5891.7	5784.5
32°	12058.4	11928.3	11507.5	10681.0	9589.8	8472.8	7390.1	6621.0	6188.3	5933.2	5823.7
33°	12102.4	12002.8	11644.8	10847.0	9755.0	8595.0	7480.8	6678.8	6236.0	5975.1	5862.6
34°	12077.3	11998.3	11737.2	10996.9	9915.6	8731.8	7575.6	6738.0	6279.8	6015.6	5901.3
35°	11991.1	11930.1	11754.2	11114.4	10055.6	8876.9	7673.9	6799.1	6324.8	6058.9	5944.1
36°	11877.2	11830.5	11712.1	11191.6	10181.2	9018.2	7776.0	6862.5	6370.6	6104.0	5990.0
37°	11781.1	11715.6	11640.3	11208.6	10275.4	9140.3	7876.9	6923.4	6420.1	6150.7	6042.5
38°	11736.3	11641.2	11565.8	11188.0	10348.1	9245.3	7982.4	6980.6	6470.1	6203.0	6097.1
39°	11720.1	11603.5	11511.9	11160.2	10382.2	9333.2	8090.3	7042.0	6521.5	6259.7	6154.1
40°	11714.7	11584.6	11485.9	11145.8	10393.0	9398.7	8188.0	7108.3	6575.3	6322.8	6213.7
41°	11710.3	11572.1	11477.8	11145.8	10409.1	9445.4	8271.0	7180.7	6632.0	6383.3	6272.4
42°	11696.8	11562.2	11477.0	11162.9	10440.5	9487.6	8339.0	7248.5	6693.3	6449.9	6333.2
43°	11670.8	11547.8	11476.1	11192.5	10479.1	9537.8	8394.4	7310.3	6758.8	6517.3	6391.0
44°	11629.5	11529.9	11472.5	11226.6	10525.8	9602.4	8449.2	7370.1	6828.4	6589.8	6448.4

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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	11574.8	11499.4	11464.4	11258.0	10578.7	9674.2	8508.6	7433.2	6897.7	6661.7	6503.9
46°	11507.5	11459.9	11450.9	11284.0	10637.9	9746.0	8573.0	7500.0	6970.3	6733.1	6558.4
47°	11434.8	11417.7	11434.8	11302.9	10698.1	9820.5	8634.8	7574.0	7042.1	6802.6	6615.2
48°	11357.6	11370.2	11413.2	11316.3	10756.4	9895.8	8698.4	7652.3	7114.5	6872.2	6670.9
49°	11277.7	11320.8	11382.7	11325.3	10814.7	9968.5	8758.5	7730.8	7190.3	6940.3	6732.1
50°	11191.6	11269.7	11345.9	11328.9	10868.6	10041.2	8814.8	7813.0	7265.8	7007.8	6793.7
51°	11093.8	11210.4	11302.0	11328.0	10917.9	10108.5	8866.1	7895.0	7340.4	7076.5	6861.2
52°	10984.3	11137.8	11251.7	11321.7	10968.2	10175.8	8912.6	7976.5	7414.9	7147.1	6932.7
53°	10863.2	11056.1	11197.9	11314.5	11010.3	10235.0	8954.3	8054.8	7493.0	7220.6	7008.3
54°	10726.8	10951.1	11139.6	11299.3	11046.2	10289.8	8996.7	8128.3	7574.7	7298.3	7088.3
55°	10575.1	10828.2	11074.9	11278.6	11077.6	10338.2	9035.3	8197.5	7656.5	7378.9	7170.8
56°	10402.8	10686.4	10995.1	11247.2	11102.8	10380.4	9072.1	8264.0	7739.9	7465.0	7252.2
57°	10208.1	10523.1	10899.1	11206.0	11118.9	10416.3	9104.4	8328.2	7826.1	7557.9	7333.2
58°	9991.9	10334.6	10781.5	11156.6	11125.2	10444.1	9128.6	8386.3	7916.1	7656.1	7411.2
59°	9761.2	10120.2	10651.4	11101.0	11119.8	10460.3	9146.6	8439.2	8001.8	7756.0	7483.3
60°	9484.9	9880.6	10500.6	11034.6	11101.0	10463.9	9155.5	8486.8	8088.2	7861.0	7552.0
61°	9142.1	9601.5	10332.8	10952.0	11066.0	10446.8	9151.9	8523.7	8177.5	7969.9	7628.8
62°	8734.1	9266.8	10144.4	10853.3	11024.7	10409.1	9135.8	8551.9	8268.7	8081.4	7706.4
63°	8276.3	8880.3	9929.0	10734.9	10966.4	10363.4	9115.2	8574.1	8359.0	8193.8	7783.7
64°	7823.2	8471.5	9688.6	10598.5	10886.5	10297.0	9082.0	8581.3	8445.3	8309.6	7856.6
65°	7429.8	8089.0	9428.3	10438.7	10793.2	10211.7	9029.9	8579.2	8528.4	8421.7	7927.4
66°	7117.5	7738.5	9148.4	10257.5	10679.2	10113.9	8950.0	8568.9	8598.7	8533.1	7999.8
67°	6917.7	7444.8	8874.4	10044.8	10528.5	9974.8	8832.3	8526.4	8663.1	8634.1	8064.9
68°	6815.3	7229.4	8612.4	9803.4	10349.9	9786.4	8644.1	8447.1	8717.4	8732.2	8124.0
69°	6726.4	7078.4	8370.1	9536.0	10125.6	9541.4	8347.2	8298.5	8753.4	8817.2	8155.7
70°	6474.8	6945.7	8145.0	9247.1	9852.8	9196.8	7888.0	8041.0	8750.6	8892.3	8174.1
71°	5975.3	6711.8	7947.8	8951.8	9532.4	8730.1	7228.4	7657.8	8691.4	8944.1	8175.0
72°	5309.2	6307.7	7754.8	8650.4	9160.0	8152.9	6507.1	7157.0	8561.0	8967.1	8121.4
73°	4642.3	5740.5	7534.4	8358.2	8727.9	7478.9	5837.0	6592.0	8334.1	8929.8	8019.8
74°	4025.1	5109.5	7262.2	8054.6	8226.4	6778.0	5226.1	6054.9	8037.0	8817.0	7850.0
75°	3127.9	4415.7	6909.4	7687.8	7672.8	6041.0	4512.4	5539.3	7677.0	8606.1	7536.4
76°	1913.0	3556.1	6413.4	7272.9	7065.6	5241.9	3450.4	4883.3	7309.3	8268.8	7109.0
77°	846.7	2349.1	5776.1	6688.5	6382.7	4203.0	2239.9	3876.1	6898.4	7716.1	6632.7
78°	636.3	1136.9	4963.6	5903.9	5558.1	2887.5	1037.2	2754.8	6382.4	6901.6	6033.3
79°	440.6	829.9	3921.7	4919.3	4575.3	1593.3	421.2	1633.5	5544.0	5819.1	5220.3
80°	245.0	540.8	2531.3	3721.0	3409.1	728.8	280.4	525.1	4238.5	4633.1	4385.6
81°	213.6	251.8	1282.0	2441.2	2078.9	501.3	242.3	317.6	3002.0	3576.0	3689.6
82°	188.0	215.7	937.0	1193.5	962.8	287.6	213.2	259.4	1765.5	2697.1	3247.9
83°	163.1	186.3	604.0	884.6	695.0	236.6	184.0	220.1	553.0	2152.9	3026.7
84°	138.1	157.3	271.0	585.4	452.6	198.0	154.9	180.8	363.9	1608.7	2293.1
85°	112.3	128.5	201.0	286.2	210.2	161.0	127.8	141.5	293.0	1066.6	1559.7
86°	84.2	101.6	147.3	233.6	160.6	123.8	100.6	110.8	235.4	656.5	841.4
87°	61.0	76.4	110.0	178.9	121.6	90.5	72.5	83.2	177.8	456.7	587.4
88°	37.9	51.3	76.0	117.2	87.0	63.2	46.3	58.8	120.6	256.8	333.5
89°	14.9	26.1	42.1	62.4	48.7	35.9	32.4	40.9	82.3	57.4	84.7



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CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6	5737.6
1°	5660.3	5660.6	5668.0	5679.4	5696.9	5715.9	5736.1	5736.9	5756.9	5775.8	5793.9
2°	5595.3	5594.7	5604.9	5624.9	5652.9	5688.5	5727.1	5748.3	5789.4	5828.3	5863.4
3°	5540.2	5536.9	5550.3	5576.1	5613.9	5664.2	5720.8	5762.6	5826.0	5887.0	5942.1
4°	5492.4	5489.5	5504.0	5534.5	5582.2	5644.6	5718.1	5779.9	5865.7	5951.2	6030.6
5°	5451.1	5446.1	5464.2	5499.9	5555.0	5628.6	5717.9	5799.8	5908.2	6019.0	6125.8
6°	5411.9	5407.0	5426.8	5467.9	5531.2	5615.9	5722.3	5824.0	5955.3	6094.4	6228.6
7°	5378.5	5372.0	5393.6	5440.4	5509.3	5605.5	5727.3	5850.0	6007.0	6175.6	6339.0
8°	5350.0	5342.2	5366.3	5417.9	5491.9	5597.1	5734.3	5878.1	6062.2	6262.9	6457.3
9°	5328.0	5318.6	5344.6	5397.5	5479.6	5591.3	5744.6	5909.4	6122.4	6355.8	6585.2
10°	5310.3	5301.4	5327.0	5382.7	5469.4	5589.1	5760.3	5947.5	6187.1	6456.3	6724.1
11°	5299.8	5290.4	5315.9	5374.0	5462.8	5592.9	5779.8	5990.9	6259.9	6565.1	6872.6
12°	5296.5	5285.7	5310.5	5369.3	5462.3	5600.0	5803.7	6038.8	6338.6	6681.2	7031.0
13°	5297.8	5285.5	5311.6	5370.0	5465.9	5612.4	5831.7	6089.4	6422.6	6805.3	7205.3
14°	5301.5	5290.1	5316.0	5376.4	5472.2	5627.1	5862.6	6141.9	6509.1	6938.7	7385.5
15°	5310.4	5297.7	5323.2	5385.3	5483.5	5646.0	5896.2	6201.3	6601.6	7077.1	7576.9
16°	5322.4	5309.4	5334.9	5397.6	5500.9	5668.4	5933.5	6264.9	6698.3	7225.3	7775.3
17°	5336.2	5323.8	5350.6	5413.7	5520.3	5694.9	5973.8	6331.0	6801.5	7376.6	7977.5
18°	5353.9	5340.1	5369.4	5434.7	5541.7	5723.4	6018.4	6401.7	6906.1	7534.3	8187.6
19°	5373.6	5356.7	5390.1	5458.5	5566.6	5754.6	6064.5	6472.6	7014.8	7693.9	8390.6
20°	5393.1	5374.4	5411.9	5484.8	5594.2	5789.9	6115.2	6546.1	7128.0	7855.5	8597.2
21°	5411.7	5392.3	5435.9	5513.8	5625.5	5828.0	6167.2	6621.9	7246.1	8020.8	8797.1
22°	5431.9	5410.8	5460.2	5543.0	5657.9	5868.6	6220.9	6696.5	7362.8	8183.1	8993.1
23°	5454.2	5433.0	5485.4	5575.0	5691.8	5910.8	6274.7	6771.5	7483.6	8347.7	9184.3
24°	5480.2	5459.1	5512.9	5608.3	5725.3	5955.4	6330.3	6845.8	7603.0	8508.6	9368.2
25°	5508.3	5488.1	5544.0	5644.3	5759.5	6001.4	6383.9	6923.0	7724.2	8667.4	9546.8
26°	5539.4	5522.0	5578.5	5679.7	5794.6	6046.4	6439.2	6998.4	7846.7	8818.9	9721.8
27°	5574.7	5560.4	5615.8	5714.1	5830.5	6092.3	6494.3	7078.3	7969.1	8971.9	9900.3
28°	5612.8	5602.3	5657.3	5748.8	5869.2	6139.2	6551.5	7162.9	8094.8	9120.5	10082.5
29°	5654.6	5647.9	5700.3	5785.9	5908.5	6184.9	6611.3	7250.7	8224.8	9272.2	10257.5
30°	5697.6	5697.9	5743.6	5822.5	5949.5	6231.5	6673.3	7343.1	8356.4	9430.1	10430.7
31°	5740.4	5747.6	5786.5	5860.2	5991.8	6277.1	6736.0	7440.1	8494.5	9595.2	10616.4
32°	5784.2	5802.6	5830.5	5898.2	6033.8	6323.6	6796.5	7536.3	8635.0	9756.8	10777.9
33°	5829.3	5858.1	5874.9	5937.4	6076.3	6368.4	6857.8	7639.6	8781.0	9912.9	10933.2
34°	5875.1	5911.8	5918.9	5976.5	6117.6	6410.5	6920.7	7743.0	8918.1	10058.3	11058.8
35°	5921.4	5968.9	5964.6	6019.0	6160.0	6454.0	6984.9	7846.4	9047.0	10186.6	11146.7
36°	5968.6	6028.3	6011.1	6065.0	6202.8	6500.0	7047.3	7944.9	9169.9	10287.1	11184.4
37°	6017.1	6085.7	6056.0	6117.5	6250.8	6547.0	7105.2	8048.4	9274.9	10347.2	11188.0
38°	6062.0	6142.1	6099.1	6173.1	6306.1	6596.3	7163.4	8144.9	9354.7	10375.9	11166.5
39°	6105.7	6202.1	6141.9	6232.5	6365.5	6648.6	7216.7	8231.1	9412.2	10393.9	11144.0
40°	6152.1	6262.2	6186.9	6292.0	6427.7	6700.8	7273.8	8307.1	9452.6	10412.7	11138.7
41°	6199.3	6317.2	6235.6	6352.0	6493.9	6757.1	7328.8	8376.4	9490.2	10440.5	11155.7
42°	6247.7	6372.9	6287.0	6410.7	6564.2	6815.9	7389.3	8440.9	9541.4	10477.3	11190.7
43°	6297.3	6425.9	6339.7	6467.9	6635.4	6877.4	7458.1	8506.4	9610.5	10522.2	11231.1
44°	6347.8	6478.4	6394.9	6525.9	6704.5	6947.2	7530.9	8570.1	9686.8	10578.7	11268.8

REPORT NUMBER: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	6400.8	6530.3	6450.1	6583.2	6773.7	7020.1	7603.7	8631.4	9759.4	10643.3	11301.1
46°	6456.1	6580.0	6509.3	6641.4	6841.4	7097.1	7674.1	8693.1	9830.3	10713.3	11328.0
47°	6516.6	6632.5	6571.0	6698.7	6909.2	7178.6	7750.3	8756.9	9901.2	10782.4	11346.8
48°	6583.1	6677.4	6637.0	6756.2	6975.0	7263.2	7835.0	8812.8	9977.5	10845.2	11359.4
49°	6653.2	6722.8	6705.7	6817.3	7042.0	7345.2	7919.5	8863.8	10053.8	10902.7	11369.3
50°	6722.2	6767.8	6778.2	6882.6	7110.3	7425.1	8004.0	8909.6	10123.8	10952.9	11373.8
51°	6793.6	6816.5	6849.6	6951.3	7179.3	7500.8	8087.1	8952.3	10190.2	10998.7	11373.8
52°	6866.3	6862.2	6924.3	7025.0	7252.5	7576.3	8166.9	8996.7	10249.4	11039.9	11370.2
53°	6939.5	6905.0	6997.6	7102.4	7327.3	7654.6	8240.1	9036.2	10302.3	11076.7	11363.9
54°	7012.0	6946.2	7068.1	7181.9	7406.7	7734.5	8306.6	9073.9	10347.2	11107.2	11350.4
55°	7077.5	6988.8	7131.0	7265.7	7492.2	7818.2	8367.4	9104.4	10384.0	11127.9	11330.7
56°	7134.2	7030.5	7186.7	7349.2	7582.7	7904.0	8423.0	9132.2	10410.9	11144.9	11299.3
57°	7181.6	7071.5	7238.7	7434.3	7678.8	7987.8	8473.7	9157.3	10423.5	11151.2	11258.0
58°	7227.7	7111.1	7285.5	7510.1	7781.3	8071.6	8519.7	9173.5	10430.7	11142.2	11197.0
59°	7271.1	7150.3	7328.8	7580.2	7886.4	8155.1	8558.4	9178.0	10426.2	11122.5	11130.6
60°	7311.9	7184.2	7366.3	7652.0	7994.7	8235.7	8587.3	9172.6	10403.7	11094.7	11050.7
61°	7345.4	7215.5	7397.8	7731.2	8104.8	8315.8	8605.9	9166.3	10366.9	11056.1	10967.3
62°	7372.4	7248.2	7427.0	7810.7	8217.5	8399.6	8614.7	9152.8	10318.5	10997.8	10868.6
63°	7403.9	7278.6	7458.6	7880.0	8326.3	8481.8	8617.9	9120.5	10253.9	10921.5	10748.3
64°	7432.5	7309.8	7492.1	7944.0	8439.9	8559.2	8609.8	9071.2	10171.3	10825.5	10597.6
65°	7458.8	7315.5	7515.1	8009.5	8550.3	8632.8	8587.6	8986.8	10057.4	10706.1	10417.2
66°	7473.4	7277.3	7513.6	8077.8	8652.1	8698.6	8537.5	8853.7	9903.9	10558.1	10207.2
67°	7465.9	7234.2	7494.9	8134.4	8749.9	8738.8	8446.6	8674.5	9700.2	10387.6	9978.4
68°	7444.2	7158.2	7467.4	8180.4	8833.4	8743.9	8304.1	8383.0	9439.1	10174.9	9728.0
69°	7378.3	6960.8	7389.1	8204.4	8902.8	8716.1	8080.6	7925.6	9106.2	9916.5	9460.6
70°	7232.5	6626.6	7218.1	8206.3	8953.2	8649.4	7719.3	7280.3	8649.6	9608.7	9165.4
71°	6972.8	6118.8	6926.7	8175.9	8977.9	8521.3	7209.8	6532.7	8047.4	9234.5	8854.4
72°	6551.7	5495.3	6472.2	8101.9	8955.6	8334.7	6650.6	5865.5	7370.2	8819.7	8541.0
73°	5968.2	4855.4	5911.8	7983.4	8842.8	8053.6	6129.6	5265.0	6644.2	8310.7	8213.5
74°	5332.5	4214.5	5273.7	7757.0	8626.4	7719.3	5631.2	4580.5	5931.5	7720.2	7860.3
75°	4671.9	3412.4	4589.1	7396.0	8316.5	7369.1	4943.8	3523.6	5128.7	7061.2	7437.4
76°	3965.0	2569.0	3873.9	6967.5	7845.4	6991.8	3923.4	2197.8	4114.3	6367.3	6936.7
77°	3167.4	2011.2	3125.5	6467.6	7130.2	6485.7	2776.7	1027.7	2840.7	5570.4	6239.6
78°	2644.2	2109.1	2682.4	5824.3	6156.1	5684.2	1630.0	750.7	1543.4	4607.9	5267.2
79°	2734.8	2660.0	2884.6	4988.2	5079.3	4464.1	486.0	501.7	686.2	3495.6	4123.3
80°	3286.7	3036.1	3418.6	4125.2	4022.1	3153.8	316.9	252.8	487.6	2203.5	2855.3
81°	3477.9	2354.6	3409.5	3365.5	3124.6	1843.5	260.6	217.1	290.7	1049.9	1579.9
82°	2630.3	1673.1	2558.8	3052.5	2486.9	558.8	223.6	189.2	240.7	766.6	1139.8
83°	1782.7	994.3	1708.1	2405.8	1849.1	375.1	186.6	161.9	203.7	497.3	722.8
84°	939.0	530.5	861.8	1759.1	1214.0	307.7	149.8	134.5	169.0	228.0	305.8
85°	496.2	319.9	480.0	1112.6	706.8	250.4	119.3	105.7	131.8	170.5	257.5
86°	397.5	112.0	384.5	619.0	497.7	193.2	91.9	79.4	98.8	130.2	207.4
87°	298.7	75.5	289.1	495.5	288.5	136.1	66.5	53.2	70.9	95.3	147.3
88°	199.9	39.1	193.6	372.1	81.2	103.3	45.9	26.9	43.1	60.8	80.4
89°	101.2	3.5	98.1	248.6	42.9	70.5	25.2	9.0	15.3	46.1	60.6

REPORT NUMBER: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	5737.6	5737.6	5737.6
1°	5806.0	5816.7	5820.9
2°	5892.2	5911.6	5917.3
3°	5988.7	6017.6	6026.6
4°	6095.0	6135.8	6149.0
5°	6210.5	6266.2	6284.0
6°	6337.9	6409.8	6433.6
7°	6475.5	6565.5	6595.1
8°	6622.4	6731.5	6767.1
9°	6782.2	6913.4	6957.5
10°	6954.7	7113.0	7163.3
11°	7140.6	7326.0	7386.1
12°	7338.7	7552.4	7625.6
13°	7554.2	7798.1	7884.0
14°	7775.3	8055.8	8156.6
15°	8007.4	8324.2	8440.3
16°	8252.8	8604.1	8732.2
17°	8506.6	8882.7	9020.0
18°	8757.7	9165.4	9304.5
19°	9001.2	9432.8	9581.8
20°	9239.0	9690.4	9851.9
21°	9469.6	9933.5	10104.9
22°	9689.5	10166.8	10344.5
23°	9899.4	10397.5	10566.2
24°	10104.9	10619.1	10780.6
25°	10309.5	10832.7	10985.2
26°	10512.3	11027.4	11158.4
27°	10708.8	11198.8	11317.2
28°	10884.7	11347.7	11459.9
29°	11051.6	11502.1	11612.4
30°	11220.3	11671.7	11793.7
31°	11388.1	11828.7	11945.4
32°	11546.0	11943.6	12058.4
33°	11660.0	12000.1	12102.4
34°	11720.1	11989.3	12077.3
35°	11721.0	11918.4	11991.1
36°	11681.5	11809.9	11877.2
37°	11608.0	11704.0	11781.1
38°	11541.6	11634.0	11736.3
39°	11508.4	11603.5	11720.1
40°	11496.7	11588.2	11714.7
41°	11494.0	11581.0	11710.3
42°	11494.0	11573.0	11696.8
43°	11494.9	11563.1	11670.8
44°	11494.9	11546.0	11629.5

REPORT NUMBER: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	11492.2	11516.4	11574.8
46°	11486.8	11477.0	11507.5
47°	11475.2	11433.0	11434.8
48°	11458.1	11385.4	11357.6
49°	11428.5	11336.1	11277.7
50°	11392.6	11288.5	11191.6
51°	11346.8	11232.9	11093.8
52°	11293.9	11163.8	10984.3
53°	11238.3	11081.2	10863.2
54°	11180.8	10975.3	10726.8
55°	11115.3	10851.5	10575.1
56°	11036.4	10708.8	10402.8
57°	10938.5	10542.8	10208.1
58°	10818.3	10351.7	9991.9
59°	10685.5	10134.5	9761.2
60°	10533.0	9897.6	9484.9
61°	10355.3	9627.5	9142.1
62°	10161.5	9303.6	8734.1
63°	9956.9	8925.6	8276.3
64°	9729.8	8513.0	7823.2
65°	9475.9	8128.4	7429.8
66°	9202.2	7797.2	7117.5
67°	8931.2	7515.7	6917.7
68°	8662.0	7302.7	6815.3
69°	8428.2	7136.8	6726.4
70°	8223.2	6990.4	6474.8
71°	8011.0	6755.2	5975.3
72°	7768.9	6339.1	5309.2
73°	7539.3	5762.7	4642.3
74°	7246.9	5100.6	4025.1
75°	6812.4	4382.4	3127.9
76°	6237.6	3507.6	1913.0
77°	5573.1	2347.7	846.7
78°	4723.9	1179.6	636.3
79°	3548.2	852.0	440.6
80°	2060.7	555.7	245.0
81°	985.5	259.4	213.6
82°	735.0	215.3	188.0
83°	490.9	187.9	163.1
84°	246.8	157.4	138.1
85°	180.1	126.4	112.3
86°	135.4	98.3	84.2
87°	99.3	72.7	61.0
88°	79.6	47.1	37.9
89°	60.6	21.6	14.9

REPORT NUMBER: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

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: P1445058

CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)