

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: P1445059

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

Issue Date: 5/5/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1445059  
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-HSS)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 100% (300W)  
OPTICS - TYPE 4 WITH HOUSE SIDE SHIELD  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: 38695 (1 lamp)  
Luminaire Lumens: 34722.3 lumens  
Efficiency: 89.7%  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 0.32m x L: 0.46m x H: 0m)  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B4 - U0 - G4

Input Watts (W): 291.5  
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

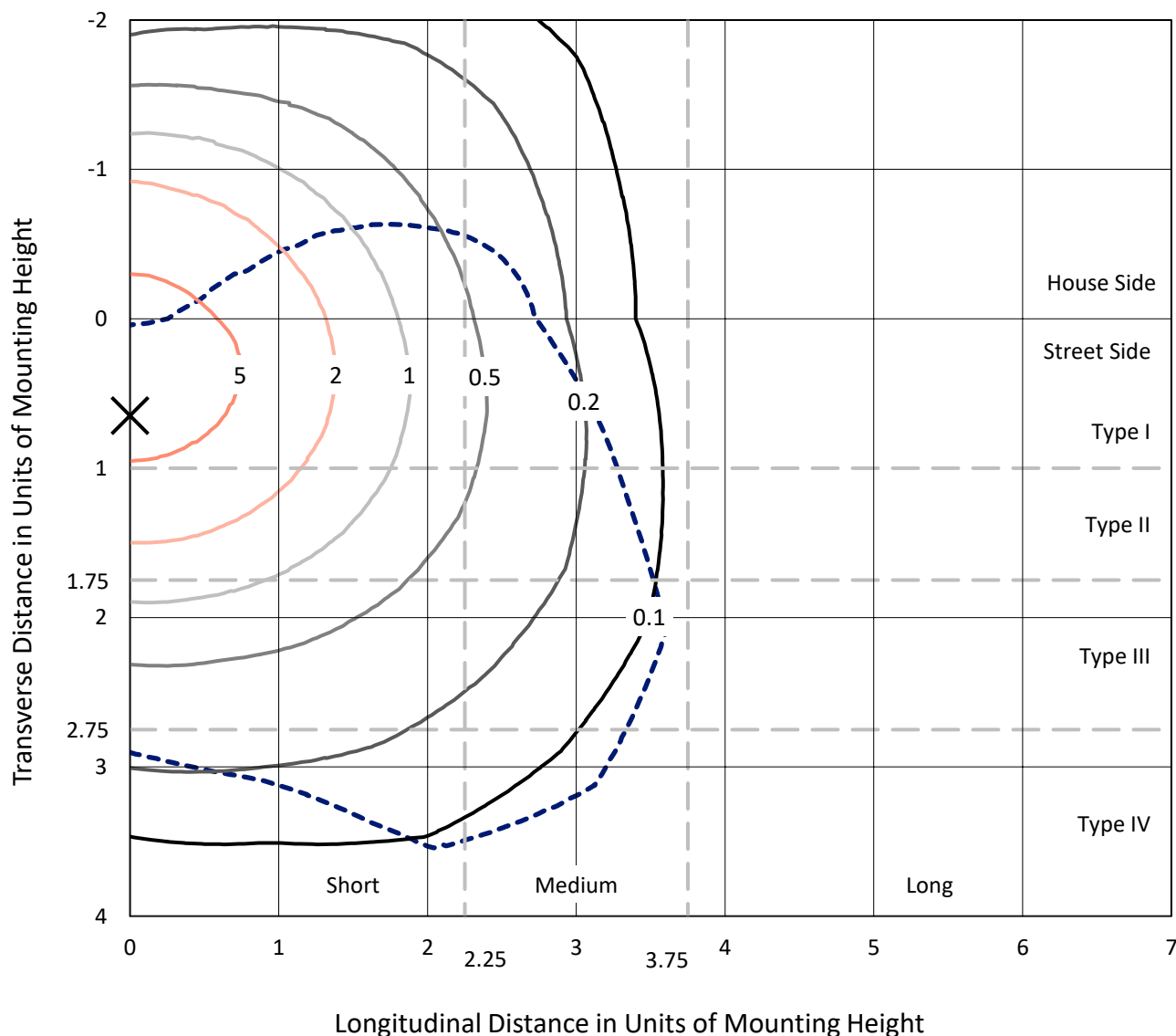
REPORT NUMBER: P1445059

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

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

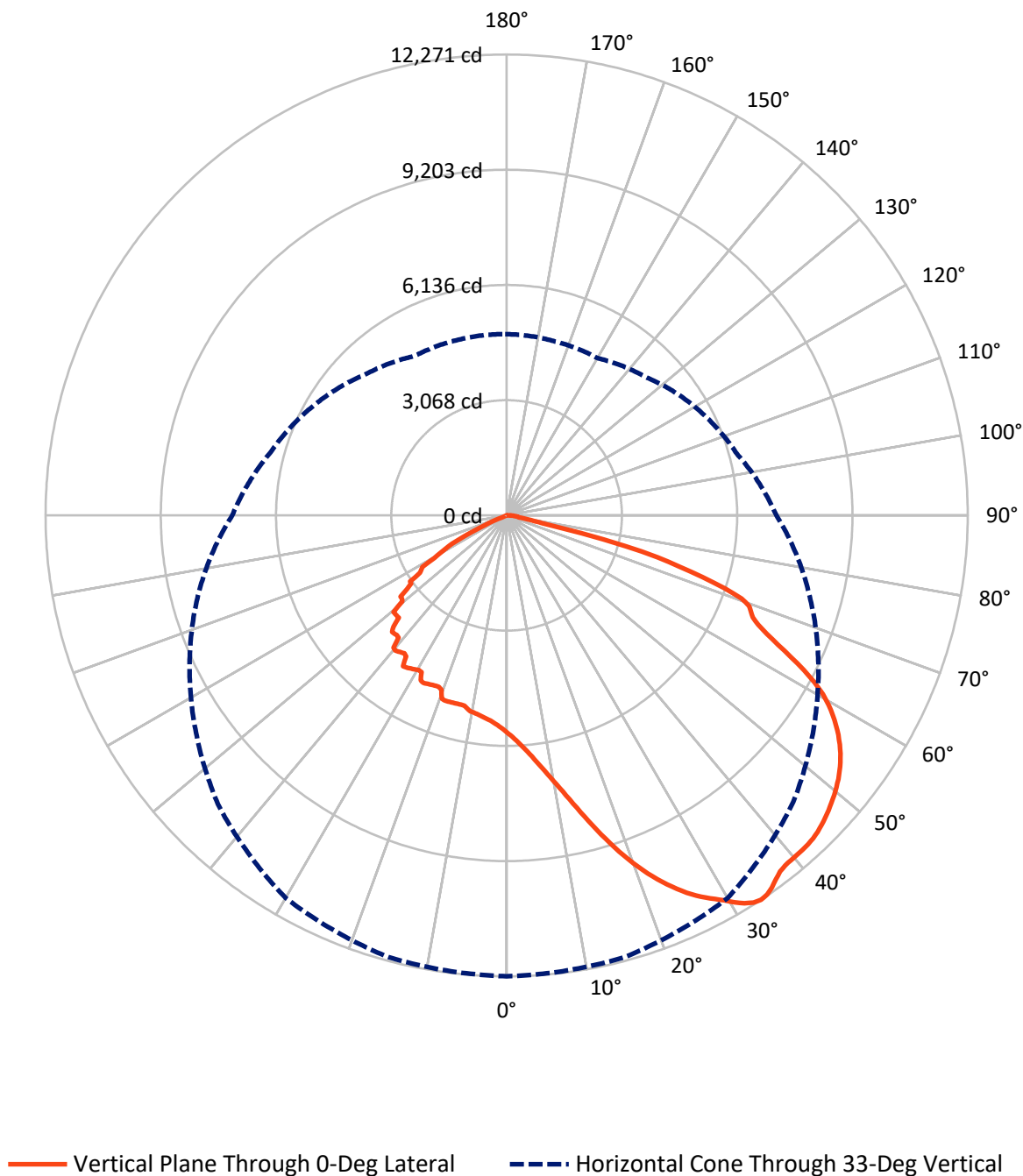


Based on 30 foot mounting height. Maximum calculated value = 9.2 fc  
 Type IV - Short - Full Cutoff

REPORT NUMBER: P1445059

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

## Luminous Intensity Polar Plot



REPORT NUMBER: P1445059

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

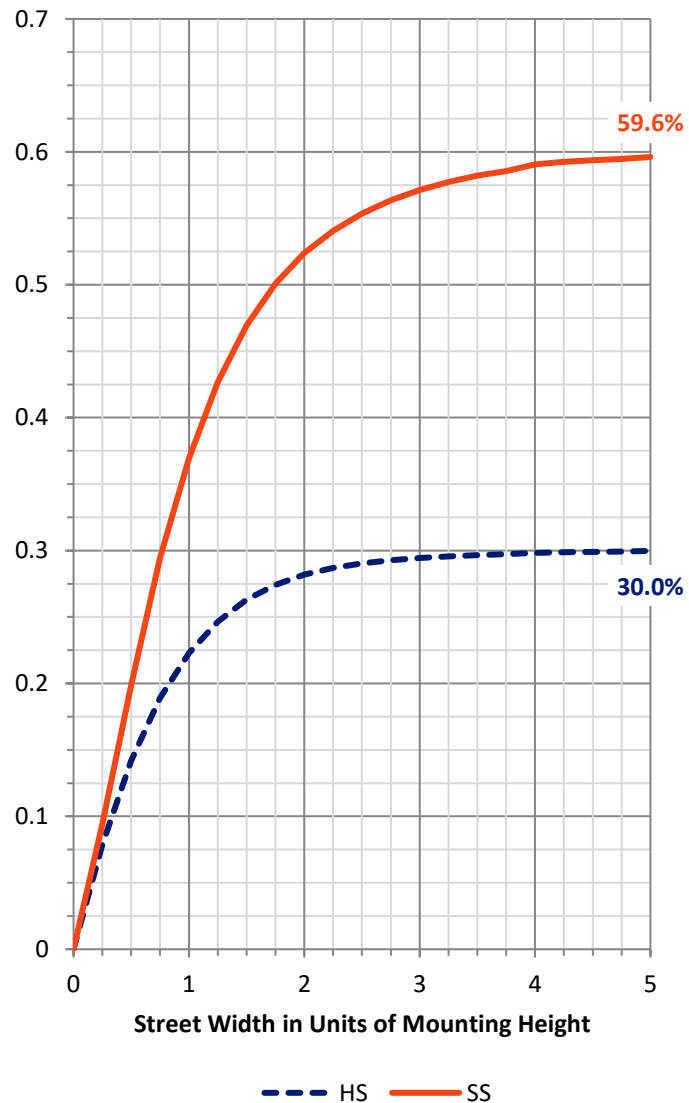
**FLUX DISTRIBUTION:**

|                    |        | Downward | Upward | Total   |
|--------------------|--------|----------|--------|---------|
| <b>House Side</b>  | Lumens | 11659.7  | 0.0    | 11659.7 |
|                    | % Lamp | 30.1     | 0.0    | 30.1    |
| <b>Street Side</b> | Lumens | 23062.5  | 0.0    | 23062.5 |
|                    | % Lamp | 59.6     | 0.0    | 59.6    |
| <b>Total</b>       | Lumens | 34722.3  | 0.0    | 34722.3 |
|                    | % Lamp | 89.7     | 0.0    | 89.7    |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10°    | 571.1   | 1.6       | 1.5    |
| 10°-20°   | 1871.6  | 5.4       | 4.8    |
| 20°-30°   | 3448.7  | 9.9       | 8.9    |
| 30°-40°   | 5029.4  | 14.5      | 13.0   |
| 40°-50°   | 6207.5  | 17.9      | 16.0   |
| 50°-60°   | 6933.0  | 20.0      | 17.9   |
| 60°-70°   | 6493.8  | 18.7      | 16.8   |
| 70°-80°   | 3851.0  | 11.1      | 10.0   |
| 80°-90°   | 316.2   | 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°    | 34722.3 | 100.0     | 89.7   |
| 0°-180°   | 34722.3 | 100.0     | 89.7   |

**Coefficient of Utilization**



REPORT NUMBER: P1445059

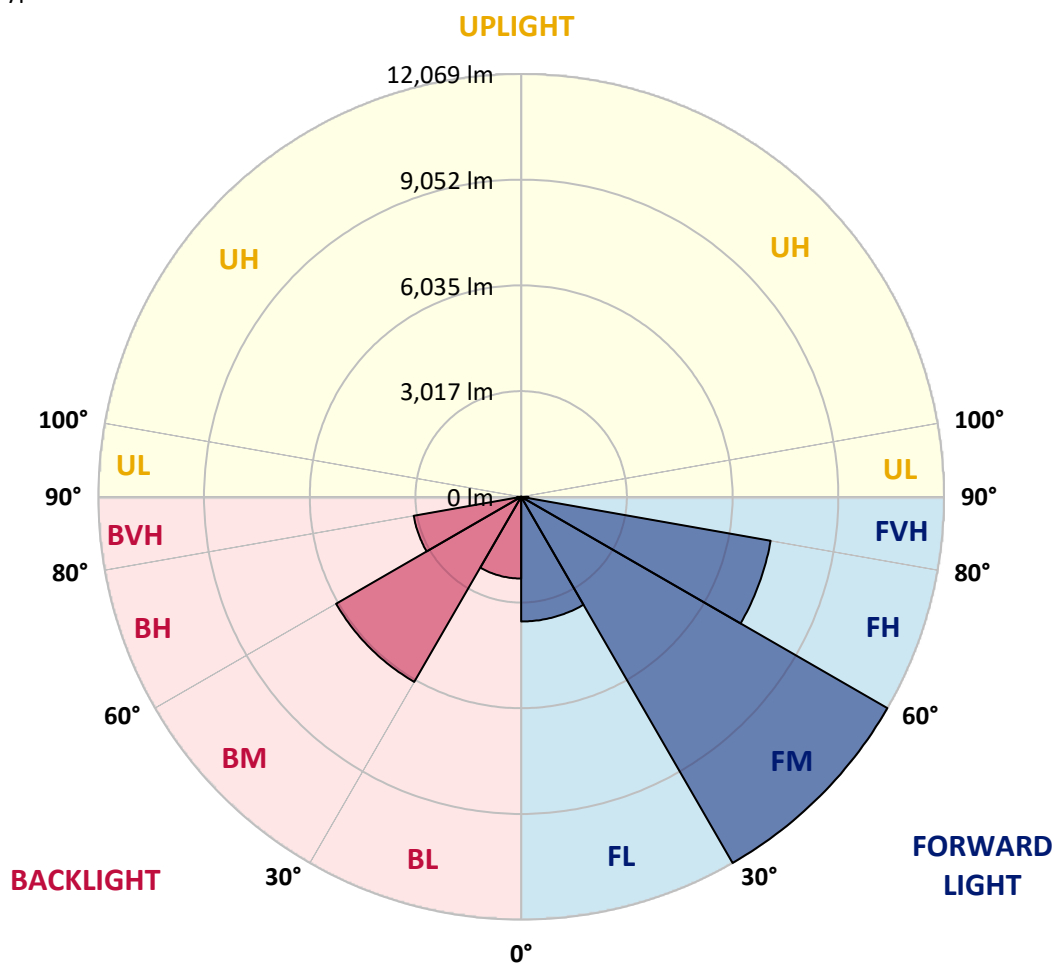
CATALOG NUMBER: XAS300-SFPM (3000K-300W-T4-HSS)

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone          |             | Lumens  | % Lamp | Zone Rating/Lumen Limit |      |         |
|---------------|-------------|---------|--------|-------------------------|------|---------|
|               |             |         |        | B                       | U    | G       |
| FL            | (0°-30°)    | 3558.6  | 9.2    |                         |      |         |
| FM            | (30°-60°)   | 12069.0 | 31.2   |                         |      |         |
| FH            | (60°-80°)   | 7229.8  | 18.7   |                         |      | G3/7500 |
| FVH           | (80°-90°)   | 205.1   | 0.5    |                         |      | G2/225  |
| BL            | (0°-30°)    | 2332.8  | 6.0    | B3/2500                 |      |         |
| BM            | (30°-60°)   | 6100.9  | 15.8   | B4/8500                 |      |         |
| BH            | (60°-80°)   | 3115.0  | 8.1    | B4/5000                 |      | G4/5000 |
| BVH           | (80°-90°)   | 111.0   | 0.3    |                         |      | G2/225  |
| UL            | (90°-100°)  | 0.0     | 0.0    |                         | U0/0 |         |
| UH            | (100°-180°) | 0.0     | 0.0    |                         | U0/0 |         |
| Trapped Light |             | 3972.7  | 10.3   |                         |      |         |

**BUG Rating: B4-U0-G4**

Type IV Short



REPORT NUMBER: P1445059

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

**CANDELA DISTRIBUTION (FULL):**

|     | 0°      | 15°     | 30°     | 45°     | 60°     | 75°    | 90°    | 105°   | 120°   | 135°   | 150°   |
|-----|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°  | 5810.4  | 5810.4  | 5810.4  | 5810.4  | 5810.4  | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 |
| 1°  | 5898.9  | 5899.4  | 5892.2  | 5880.9  | 5865.3  | 5843.6 | 5801.8 | 5779.9 | 5759.7 | 5744.7 | 5732.8 |
| 2°  | 6001.9  | 5998.0  | 5978.2  | 5948.6  | 5912.9  | 5869.1 | 5804.3 | 5760.8 | 5721.6 | 5689.9 | 5666.7 |
| 3°  | 6114.5  | 6106.2  | 6074.3  | 6027.1  | 5966.9  | 5899.5 | 5811.5 | 5746.7 | 5689.7 | 5642.4 | 5610.5 |
| 4°  | 6242.0  | 6227.2  | 6182.1  | 6115.0  | 6029.7  | 5937.9 | 5825.0 | 5738.5 | 5661.6 | 5601.5 | 5560.6 |
| 5°  | 6381.7  | 6361.0  | 6298.9  | 6209.5  | 6100.5  | 5981.7 | 5844.8 | 5735.9 | 5641.1 | 5567.7 | 5517.8 |
| 6°  | 6533.1  | 6505.9  | 6429.3  | 6315.9  | 6177.7  | 6028.5 | 5866.1 | 5737.0 | 5624.7 | 5538.2 | 5477.6 |
| 7°  | 6699.6  | 6667.6  | 6570.9  | 6431.6  | 6259.8  | 6078.1 | 5889.0 | 5739.2 | 5612.0 | 5512.5 | 5446.9 |
| 8°  | 6875.2  | 6836.2  | 6724.0  | 6555.1  | 6348.4  | 6133.0 | 5916.1 | 5744.5 | 5601.4 | 5492.9 | 5423.7 |
| 9°  | 7069.7  | 7021.0  | 6889.3  | 6687.5  | 6444.1  | 6192.8 | 5946.7 | 5751.4 | 5591.8 | 5480.6 | 5403.7 |
| 10° | 7279.4  | 7222.4  | 7065.0  | 6829.1  | 6545.8  | 6255.9 | 5977.8 | 5759.7 | 5583.4 | 5470.8 | 5387.3 |
| 11° | 7502.2  | 7436.2  | 7256.5  | 6982.8  | 6653.4  | 6323.9 | 6013.6 | 5771.5 | 5580.6 | 5463.2 | 5373.5 |
| 12° | 7742.1  | 7665.6  | 7457.7  | 7143.9  | 6766.4  | 6395.6 | 6037.9 | 5773.0 | 5583.7 | 5457.2 | 5366.0 |
| 13° | 8005.9  | 7913.6  | 7672.4  | 7316.3  | 6887.7  | 6455.7 | 6065.3 | 5776.1 | 5572.9 | 5453.4 | 5358.3 |
| 14° | 8281.4  | 8174.1  | 7895.5  | 7495.0  | 7016.3  | 6521.1 | 6098.1 | 5780.5 | 5566.5 | 5454.1 | 5300.5 |
| 15° | 8566.3  | 8448.2  | 8131.3  | 7678.1  | 7135.0  | 6590.8 | 6135.4 | 5793.5 | 5560.7 | 5442.3 | 5264.5 |
| 16° | 8858.0  | 8720.4  | 8372.9  | 7871.1  | 7262.8  | 6668.0 | 6186.2 | 5817.0 | 5562.9 | 5423.3 | 5265.5 |
| 17° | 9147.5  | 9001.2  | 8616.6  | 8068.3  | 7394.1  | 6753.7 | 6231.7 | 5834.0 | 5570.6 | 5379.0 | 5272.6 |
| 18° | 9433.7  | 9274.9  | 8861.7  | 8269.3  | 7523.2  | 6846.4 | 6283.1 | 5858.8 | 5577.2 | 5352.6 | 5282.4 |
| 19° | 9714.6  | 9543.2  | 9105.3  | 8465.8  | 7663.8  | 6934.6 | 6344.4 | 5896.0 | 5592.2 | 5352.1 | 5296.9 |
| 20° | 9986.5  | 9807.0  | 9341.3  | 8643.2  | 7803.8  | 7028.6 | 6410.7 | 5936.8 | 5617.0 | 5356.6 | 5309.2 |
| 21° | 10241.3 | 10059.2 | 9570.1  | 8835.1  | 7953.1  | 7132.5 | 6476.3 | 5969.5 | 5640.5 | 5364.8 | 5310.6 |
| 22° | 10482.7 | 10297.8 | 9790.0  | 9008.4  | 8091.1  | 7243.1 | 6531.2 | 5981.9 | 5647.0 | 5386.3 | 5309.6 |
| 23° | 10711.5 | 10530.3 | 10006.2 | 9178.9  | 8236.6  | 7356.2 | 6565.0 | 6004.1 | 5625.1 | 5406.7 | 5265.8 |
| 24° | 10929.6 | 10749.2 | 10215.3 | 9348.5  | 8380.0  | 7458.0 | 6609.8 | 6044.4 | 5631.5 | 5416.7 | 5090.2 |
| 25° | 11133.3 | 10963.7 | 10419.0 | 9519.0  | 8522.0  | 7550.3 | 6672.0 | 6068.0 | 5637.3 | 5427.5 | 5029.1 |
| 26° | 11312.7 | 11151.2 | 10617.3 | 9681.4  | 8667.2  | 7629.2 | 6733.3 | 6092.9 | 5644.3 | 5445.0 | 5038.3 |
| 27° | 11469.8 | 11321.7 | 10805.7 | 9840.2  | 8811.5  | 7719.6 | 6778.0 | 6134.5 | 5675.5 | 5447.4 | 5052.9 |
| 28° | 11621.4 | 11475.2 | 10983.4 | 9996.3  | 8953.0  | 7826.2 | 6839.0 | 6176.8 | 5706.4 | 5344.0 | 5062.4 |
| 29° | 11774.0 | 11630.4 | 11144.0 | 10142.6 | 9082.0  | 7940.7 | 6916.2 | 6211.3 | 5718.9 | 5245.6 | 5070.0 |
| 30° | 11958.8 | 11807.2 | 11303.8 | 10293.4 | 9204.9  | 8039.9 | 6995.2 | 6231.8 | 5726.0 | 5198.8 | 5079.8 |
| 31° | 12110.5 | 11969.6 | 11470.7 | 10457.6 | 9303.6  | 8137.1 | 7066.1 | 6260.3 | 5750.9 | 5188.9 | 5094.5 |
| 32° | 12225.3 | 12097.9 | 11626.8 | 10629.0 | 9418.5  | 8238.4 | 7123.7 | 6302.6 | 5779.4 | 5194.8 | 4974.1 |
| 33° | 12271.1 | 12172.4 | 11762.3 | 10790.5 | 9554.9  | 8351.1 | 7180.8 | 6342.0 | 5783.7 | 5215.1 | 4835.2 |
| 34° | 12246.0 | 12164.3 | 11841.3 | 10938.5 | 9698.4  | 8471.1 | 7252.6 | 6366.0 | 5802.4 | 5238.3 | 4824.7 |
| 35° | 12162.5 | 12095.2 | 11840.4 | 11048.9 | 9834.8  | 8593.4 | 7334.6 | 6401.8 | 5818.9 | 5254.5 | 4831.8 |
| 36° | 12050.3 | 11994.7 | 11781.1 | 11118.9 | 9956.0  | 8706.7 | 7414.5 | 6445.6 | 5831.1 | 5258.7 | 4848.9 |
| 37° | 11951.6 | 11881.7 | 11695.9 | 11131.5 | 10035.8 | 8793.6 | 7474.3 | 6478.1 | 5823.0 | 5253.2 | 4878.6 |
| 38° | 11908.6 | 11809.9 | 11615.1 | 11107.2 | 10085.2 | 8873.9 | 7537.9 | 6507.9 | 5725.1 | 5120.1 | 4892.3 |
| 39° | 11895.1 | 11775.8 | 11561.3 | 11074.0 | 10101.3 | 8943.8 | 7623.2 | 6536.0 | 5652.0 | 5047.4 | 4897.8 |
| 40° | 11891.5 | 11757.8 | 11536.2 | 11053.4 | 10099.5 | 8994.0 | 7704.2 | 6565.4 | 5629.9 | 5080.2 | 4727.8 |
| 41° | 11887.9 | 11747.9 | 11523.6 | 11046.2 | 10113.9 | 9032.6 | 7766.0 | 6586.1 | 5667.9 | 5114.2 | 4655.8 |
| 42° | 11876.3 | 11738.1 | 11516.4 | 11044.4 | 10145.3 | 9071.2 | 7810.0 | 6597.8 | 5705.7 | 5114.0 | 4679.1 |
| 43° | 11850.2 | 11726.4 | 11511.0 | 11053.4 | 10182.1 | 9105.3 | 7840.8 | 6635.8 | 5692.6 | 5125.9 | 4673.0 |
| 44° | 11811.7 | 11708.5 | 11501.2 | 11070.5 | 10222.5 | 9141.2 | 7866.2 | 6673.1 | 5694.4 | 5157.8 | 4667.8 |

REPORT NUMBER: P1445059

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

**CANDELA DISTRIBUTION (continued):**

|     | 0°      | 15°     | 30°     | 45°     | 60°     | 75°    | 90°    | 105°   | 120°   | 135°   | 150°   |
|-----|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 45° | 11756.9 | 11679.7 | 11485.9 | 11087.5 | 10260.2 | 9188.7 | 7897.1 | 6720.3 | 5726.5 | 5180.5 | 4666.3 |
| 46° | 11694.1 | 11643.0 | 11466.2 | 11098.3 | 10297.8 | 9246.2 | 7928.4 | 6704.6 | 5762.3 | 5033.3 | 4439.0 |
| 47° | 11621.4 | 11602.6 | 11442.9 | 11106.4 | 10335.5 | 9306.3 | 7952.0 | 6663.0 | 5769.9 | 4929.3 | 4379.7 |
| 48° | 11546.0 | 11555.0 | 11416.8 | 11116.2 | 10372.3 | 9362.8 | 7996.8 | 6682.9 | 5765.4 | 4938.1 | 4396.4 |
| 49° | 11465.3 | 11506.6 | 11383.6 | 11119.8 | 10415.4 | 9415.8 | 8047.8 | 6723.9 | 5660.0 | 4969.4 | 4396.1 |
| 50° | 11377.3 | 11456.3 | 11345.0 | 11110.8 | 10447.7 | 9463.3 | 8093.4 | 6752.7 | 5609.5 | 4967.5 | 4368.8 |
| 51° | 11280.4 | 11395.3 | 11298.4 | 11093.8 | 10485.4 | 9503.7 | 8129.8 | 6761.4 | 5618.6 | 4959.7 | 4121.9 |
| 52° | 11169.2 | 11324.4 | 11246.3 | 11078.5 | 10526.7 | 9541.4 | 8127.2 | 6787.7 | 5619.8 | 4782.4 | 4118.0 |
| 53° | 11048.9 | 11239.2 | 11187.1 | 11061.5 | 10561.7 | 9568.3 | 8085.0 | 6800.7 | 5660.9 | 4730.9 | 4148.2 |
| 54° | 10914.3 | 11135.1 | 11127.0 | 11039.9 | 10579.6 | 9593.4 | 8040.3 | 6785.1 | 5659.8 | 4740.9 | 4172.0 |
| 55° | 10761.8 | 11013.9 | 11057.9 | 11013.0 | 10585.9 | 9608.7 | 8033.9 | 6775.7 | 5651.5 | 4735.7 | 3930.4 |
| 56° | 10585.9 | 10869.5 | 10975.3 | 10975.3 | 10585.9 | 9615.0 | 8035.6 | 6754.2 | 5606.6 | 4648.2 | 3877.4 |
| 57° | 10393.9 | 10705.2 | 10877.5 | 10932.3 | 10583.2 | 9624.8 | 8026.6 | 6735.3 | 5522.0 | 4505.3 | 3879.6 |
| 58° | 10179.4 | 10515.0 | 10760.0 | 10883.8 | 10571.5 | 9639.2 | 7991.9 | 6663.9 | 5504.6 | 4550.0 | 3693.8 |
| 59° | 9946.1  | 10300.5 | 10631.7 | 10826.4 | 10554.5 | 9645.5 | 7956.8 | 6630.7 | 5492.6 | 4601.7 | 3585.6 |
| 60° | 9673.3  | 10058.3 | 10477.3 | 10754.6 | 10524.0 | 9637.4 | 7920.0 | 6578.2 | 5471.0 | 4565.7 | 3577.1 |
| 61° | 9327.8  | 9775.6  | 10307.7 | 10663.1 | 10480.0 | 9606.0 | 7863.2 | 6517.5 | 5422.2 | 4422.5 | 3317.4 |
| 62° | 8916.4  | 9432.8  | 10113.9 | 10550.0 | 10426.2 | 9540.5 | 7783.1 | 6447.8 | 5359.3 | 4399.4 | 3294.4 |
| 63° | 8456.7  | 9044.3  | 9895.8  | 10417.2 | 10353.5 | 9433.7 | 7678.6 | 6366.1 | 5342.4 | 4333.4 | 3107.2 |
| 64° | 8002.8  | 8642.1  | 9651.8  | 10270.0 | 10258.4 | 9297.3 | 7556.7 | 6275.8 | 5284.3 | 4253.7 | 3021.5 |
| 65° | 7609.6  | 8249.3  | 9386.2  | 10104.9 | 10148.0 | 9147.5 | 7434.6 | 6201.0 | 5167.1 | 4213.0 | 2808.7 |
| 66° | 7296.8  | 7904.7  | 9095.4  | 9911.1  | 10014.3 | 9011.1 | 7276.0 | 6106.8 | 5170.2 | 4109.0 | 2711.7 |
| 67° | 7092.3  | 7611.2  | 8817.2  | 9693.9  | 9848.3  | 8852.1 | 7091.5 | 5979.7 | 5203.6 | 4067.9 | 2494.4 |
| 68° | 6987.0  | 7393.6  | 8551.0  | 9444.5  | 9650.9  | 8654.7 | 6829.7 | 5834.8 | 5229.1 | 3983.5 | 2313.8 |
| 69° | 6892.2  | 7237.6  | 8304.6  | 9175.3  | 9410.4  | 8401.2 | 6523.3 | 5658.5 | 5108.7 | 3913.1 | 2102.4 |
| 70° | 6635.8  | 7092.9  | 8066.8  | 8883.4  | 9133.1  | 8030.3 | 6050.7 | 5405.7 | 4975.6 | 3845.4 | 1947.1 |
| 71° | 6129.1  | 6846.6  | 7853.1  | 8586.4  | 8811.6  | 7547.1 | 5442.4 | 5057.0 | 4865.5 | 3756.5 | 1836.0 |
| 72° | 5460.8  | 6427.9  | 7650.3  | 8281.5  | 8455.4  | 6976.7 | 4841.1 | 4678.7 | 4720.5 | 3656.3 | 1724.8 |
| 73° | 4798.1  | 5852.7  | 7422.8  | 7984.3  | 8047.1  | 6337.4 | 4300.8 | 4289.9 | 4495.4 | 3548.1 | 1613.7 |
| 74° | 4171.5  | 5214.7  | 7149.8  | 7681.9  | 7576.0  | 5690.3 | 3798.1 | 3898.8 | 4261.5 | 3405.3 | 1509.2 |
| 75° | 3269.0  | 4512.9  | 6798.1  | 7313.7  | 7063.9  | 5004.5 | 3189.9 | 3496.9 | 4015.1 | 3215.0 | 1361.3 |
| 76° | 2053.7  | 3647.9  | 6301.1  | 6889.2  | 6457.2  | 4249.9 | 2326.3 | 3028.2 | 3754.7 | 2980.7 | 1206.0 |
| 77° | 970.7   | 2424.9  | 5652.1  | 6300.4  | 5765.3  | 3212.4 | 1462.8 | 2269.4 | 3489.7 | 2644.8 | 1057.5 |
| 78° | 762.4   | 1218.2  | 4855.6  | 5532.6  | 4937.8  | 2022.2 | 612.0  | 1510.6 | 3191.2 | 2203.2 | 903.9  |
| 79° | 564.2   | 934.5   | 3797.4  | 4587.2  | 3966.6  | 1009.2 | 278.9  | 759.4  | 2712.9 | 1761.7 | 766.7  |
| 80° | 366.0   | 650.9   | 2434.9  | 3430.9  | 2814.1  | 751.1  | 239.2  | 556.6  | 1937.8 | 1320.6 | 662.4  |
| 81° | 333.0   | 367.3   | 1263.5  | 2187.9  | 1633.2  | 503.3  | 199.4  | 353.8  | 1165.3 | 975.2  | 666.5  |
| 82° | 302.9   | 324.7   | 946.1   | 1052.4  | 734.9   | 255.4  | 159.9  | 156.0  | 510.3  | 797.3  | 620.7  |
| 83° | 274.2   | 290.9   | 642.3   | 808.2   | 503.9   | 215.5  | 137.0  | 126.7  | 386.9  | 679.4  | 496.7  |
| 84° | 244.8   | 257.9   | 338.5   | 568.2   | 276.0   | 182.6  | 114.9  | 101.7  | 263.6  | 539.1  | 342.3  |
| 85° | 215.3   | 225.5   | 274.0   | 328.3   | 221.5   | 151.5  | 93.2   | 80.1   | 142.2  | 383.0  | 244.9  |
| 86° | 183.5   | 194.9   | 220.1   | 279.0   | 177.6   | 120.4  | 72.2   | 61.6   | 117.3  | 307.2  | 148.6  |
| 87° | 152.1   | 165.6   | 182.0   | 222.7   | 141.4   | 92.0   | 51.6   | 45.7   | 91.1   | 231.5  | 97.2   |
| 88° | 124.0   | 137.2   | 144.8   | 159.2   | 109.5   | 69.9   | 36.6   | 32.6   | 60.5   | 155.8  | 66.5   |
| 89° | 101.5   | 107.5   | 106.3   | 94.3    | 84.1    | 47.8   | 21.7   | 19.4   | 42.1   | 80.0   | 35.8   |

REPORT NUMBER: P1445059

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059  
CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059

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

**CANDELA DISTRIBUTION (continued):**

|     | 165°   | 180°   | 195°   | 210°   | 225°   | 240°   | 255°   | 270°   | 285°   | 300°    | 315°    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°  | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4 | 5810.4  | 5810.4  |
| 1°  | 5727.6 | 5728.1 | 5735.3 | 5747.5 | 5765.2 | 5785.1 | 5806.3 | 5808.6 | 5830.1 | 5851.5  | 5870.3  |
| 2°  | 5656.0 | 5653.5 | 5663.9 | 5684.8 | 5715.4 | 5751.9 | 5794.6 | 5818.6 | 5861.7 | 5904.0  | 5942.4  |
| 3°  | 5593.6 | 5588.8 | 5601.9 | 5629.8 | 5670.3 | 5723.6 | 5785.2 | 5831.9 | 5897.8 | 5963.7  | 6023.9  |
| 4°  | 5539.2 | 5533.0 | 5548.5 | 5581.1 | 5632.5 | 5700.8 | 5781.1 | 5849.5 | 5939.8 | 6030.9  | 6113.1  |
| 5°  | 5488.8 | 5482.5 | 5499.8 | 5538.6 | 5598.2 | 5681.6 | 5779.3 | 5870.0 | 5984.3 | 6101.7  | 6211.2  |
| 6°  | 5446.9 | 5440.3 | 5459.0 | 5499.7 | 5569.8 | 5664.9 | 5782.1 | 5894.8 | 6033.4 | 6178.7  | 6317.7  |
| 7°  | 5413.1 | 5404.8 | 5425.9 | 5470.3 | 5542.9 | 5652.2 | 5786.5 | 5920.9 | 6086.7 | 6262.8  | 6431.9  |
| 8°  | 5383.3 | 5373.1 | 5396.0 | 5448.1 | 5523.6 | 5640.9 | 5792.7 | 5948.5 | 6143.4 | 6352.3  | 6553.2  |
| 9°  | 5355.8 | 5344.2 | 5368.9 | 5426.7 | 5510.5 | 5630.5 | 5798.9 | 5979.1 | 6203.1 | 6448.5  | 6685.5  |
| 10° | 5333.6 | 5321.3 | 5346.2 | 5408.6 | 5500.1 | 5622.4 | 5810.0 | 6015.2 | 6267.1 | 6550.1  | 6824.8  |
| 11° | 5317.9 | 5305.2 | 5330.2 | 5395.1 | 5492.2 | 5621.6 | 5823.7 | 6055.6 | 6339.0 | 6659.1  | 6975.8  |
| 12° | 5284.6 | 5246.3 | 5297.0 | 5386.6 | 5487.8 | 5625.7 | 5826.5 | 6082.4 | 6415.2 | 6773.3  | 7136.3  |
| 13° | 5224.0 | 5186.8 | 5236.1 | 5382.0 | 5485.4 | 5616.4 | 5835.8 | 6115.4 | 6477.1 | 6901.2  | 7308.8  |
| 14° | 5196.4 | 5181.4 | 5208.4 | 5321.3 | 5486.9 | 5614.1 | 5844.7 | 6148.6 | 6547.1 | 7027.1  | 7492.0  |
| 15° | 5199.5 | 5181.5 | 5208.7 | 5281.8 | 5476.6 | 5614.8 | 5864.3 | 6191.0 | 6618.8 | 7147.6  | 7682.4  |
| 16° | 5203.2 | 5185.4 | 5212.7 | 5285.8 | 5469.9 | 5624.7 | 5882.7 | 6241.8 | 6699.5 | 7276.3  | 7882.2  |
| 17° | 5211.8 | 5191.9 | 5222.1 | 5294.7 | 5428.9 | 5630.9 | 5906.0 | 6291.8 | 6796.6 | 7408.5  | 8086.4  |
| 18° | 5217.8 | 5192.5 | 5228.6 | 5306.7 | 5408.3 | 5642.7 | 5939.1 | 6346.5 | 6882.2 | 7554.1  | 8286.8  |
| 19° | 5221.8 | 5193.5 | 5234.0 | 5324.3 | 5400.9 | 5667.3 | 5979.1 | 6413.5 | 6977.6 | 7700.3  | 8475.2  |
| 20° | 5225.9 | 5171.9 | 5240.2 | 5337.0 | 5407.4 | 5696.7 | 6018.3 | 6481.5 | 7077.5 | 7855.6  | 8672.3  |
| 21° | 5119.4 | 4959.3 | 5141.4 | 5337.9 | 5425.8 | 5719.4 | 6050.2 | 6542.2 | 7191.4 | 8001.7  | 8861.7  |
| 22° | 4966.5 | 4904.8 | 4997.0 | 5341.2 | 5448.7 | 5729.4 | 6067.6 | 6596.9 | 7305.7 | 8153.3  | 9038.0  |
| 23° | 4942.4 | 4910.9 | 4972.1 | 5310.6 | 5466.0 | 5716.7 | 6103.6 | 6635.6 | 7416.8 | 8307.2  | 9218.4  |
| 24° | 4951.7 | 4924.5 | 4983.5 | 5133.0 | 5480.3 | 5730.9 | 6149.5 | 6689.9 | 7519.4 | 8458.2  | 9394.2  |
| 25° | 4968.9 | 4943.3 | 5002.1 | 5085.4 | 5493.9 | 5741.3 | 6177.2 | 6759.2 | 7608.3 | 8612.2  | 9562.0  |
| 26° | 4988.9 | 4960.3 | 5024.5 | 5102.5 | 5515.1 | 5749.2 | 6211.0 | 6814.7 | 7700.2 | 8761.9  | 9729.8  |
| 27° | 5005.6 | 4979.7 | 5043.8 | 5117.2 | 5516.2 | 5784.7 | 6260.7 | 6869.0 | 7806.1 | 8909.7  | 9889.6  |
| 28° | 5023.0 | 4945.0 | 5066.8 | 5128.9 | 5419.1 | 5814.1 | 6307.1 | 6940.2 | 7925.5 | 9047.9  | 10050.2 |
| 29° | 4935.4 | 4748.6 | 4973.8 | 5136.5 | 5325.4 | 5823.9 | 6337.9 | 7020.3 | 8042.2 | 9183.4  | 10213.5 |
| 30° | 4770.2 | 4733.6 | 4810.4 | 5152.8 | 5276.3 | 5834.0 | 6365.2 | 7100.1 | 8144.9 | 9306.3  | 10379.5 |
| 31° | 4764.2 | 4759.7 | 4803.6 | 5169.1 | 5269.4 | 5862.2 | 6405.8 | 7169.1 | 8258.3 | 9429.2  | 10547.3 |
| 32° | 4783.3 | 4792.6 | 4823.5 | 5035.1 | 5284.1 | 5889.8 | 6454.5 | 7230.0 | 8387.6 | 9562.0  | 10711.5 |
| 33° | 4807.1 | 4823.7 | 4847.8 | 4898.3 | 5308.8 | 5894.9 | 6500.4 | 7302.9 | 8522.1 | 9701.1  | 10868.6 |
| 34° | 4830.0 | 4849.1 | 4868.8 | 4893.0 | 5333.6 | 5914.9 | 6526.1 | 7393.3 | 8644.9 | 9839.3  | 11007.6 |
| 35° | 4848.2 | 4870.4 | 4885.8 | 4899.3 | 5345.2 | 5929.4 | 6569.9 | 7482.1 | 8749.9 | 9973.9  | 11101.0 |
| 36° | 4854.9 | 4609.0 | 4887.7 | 4920.3 | 5347.1 | 5939.7 | 6612.9 | 7564.3 | 8840.9 | 10067.2 | 11141.3 |
| 37° | 4590.1 | 4571.5 | 4616.8 | 4947.5 | 5339.2 | 5927.5 | 6648.0 | 7624.6 | 8919.5 | 10122.9 | 11142.2 |
| 38° | 4535.3 | 4598.0 | 4574.3 | 4956.6 | 5207.2 | 5835.2 | 6678.3 | 7696.2 | 8983.2 | 10145.3 | 11113.5 |
| 39° | 4552.2 | 4630.1 | 4590.9 | 4971.3 | 5138.6 | 5771.9 | 6696.7 | 7769.7 | 9035.3 | 10150.7 | 11077.6 |
| 40° | 4574.8 | 4658.1 | 4607.8 | 4800.8 | 5178.4 | 5753.7 | 6720.6 | 7825.9 | 9074.8 | 10160.6 | 11057.9 |
| 41° | 4576.8 | 4632.9 | 4609.3 | 4739.6 | 5205.6 | 5791.1 | 6726.6 | 7876.0 | 9105.3 | 10183.0 | 11049.8 |
| 42° | 4531.0 | 4344.6 | 4566.4 | 4755.9 | 5201.3 | 5813.4 | 6737.5 | 7919.4 | 9141.2 | 10210.8 | 11062.4 |
| 43° | 4273.8 | 4323.2 | 4315.8 | 4746.8 | 5223.5 | 5788.8 | 6778.9 | 7955.7 | 9180.7 | 10244.0 | 11086.6 |
| 44° | 4252.5 | 4338.7 | 4299.7 | 4742.3 | 5254.4 | 5798.8 | 6822.4 | 7988.0 | 9230.0 | 10280.8 | 11109.0 |

REPORT NUMBER: P1445059

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

**CANDELA DISTRIBUTION (continued):**

|     | 165°   | 180°   | 195°   | 210°   | 225°   | 240°   | 255°   | 270°   | 285°   | 300°    | 315°    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 45° | 4274.2 | 4346.6 | 4319.7 | 4741.6 | 5275.2 | 5837.3 | 6868.6 | 8024.4 | 9286.5 | 10316.7 | 11128.8 |
| 46° | 4277.6 | 4223.1 | 4319.2 | 4502.6 | 5123.5 | 5871.9 | 6833.9 | 8050.6 | 9340.4 | 10360.7 | 11148.5 |
| 47° | 4167.8 | 3957.4 | 4198.7 | 4466.9 | 5027.6 | 5890.2 | 6799.6 | 8083.3 | 9395.1 | 10409.1 | 11164.7 |
| 48° | 3939.9 | 3958.3 | 3991.3 | 4479.2 | 5044.1 | 5875.9 | 6829.5 | 8133.5 | 9449.0 | 10455.8 | 11171.9 |
| 49° | 3957.0 | 3963.5 | 4011.9 | 4477.7 | 5076.8 | 5772.0 | 6879.0 | 8176.7 | 9501.0 | 10496.2 | 11167.4 |
| 50° | 3978.9 | 3961.5 | 4035.8 | 4440.7 | 5068.3 | 5744.8 | 6904.7 | 8212.4 | 9546.8 | 10541.0 | 11158.4 |
| 51° | 3991.4 | 3597.5 | 4053.2 | 4206.0 | 5053.0 | 5755.0 | 6916.9 | 8232.0 | 9584.5 | 10579.6 | 11148.5 |
| 52° | 3681.4 | 3561.3 | 3730.7 | 4212.5 | 4868.2 | 5765.6 | 6944.0 | 8204.8 | 9615.0 | 10611.0 | 11136.0 |
| 53° | 3640.1 | 3556.3 | 3694.4 | 4243.4 | 4840.3 | 5802.0 | 6948.7 | 8151.4 | 9642.8 | 10629.9 | 11120.7 |
| 54° | 3631.3 | 3286.1 | 3684.8 | 4265.6 | 4855.4 | 5796.8 | 6931.8 | 8121.0 | 9656.3 | 10636.1 | 11101.0 |
| 55° | 3377.9 | 3121.4 | 3417.6 | 4009.4 | 4852.2 | 5785.7 | 6917.8 | 8117.6 | 9661.6 | 10635.2 | 11078.5 |
| 56° | 3246.5 | 3113.6 | 3300.4 | 3967.7 | 4744.9 | 5736.8 | 6888.8 | 8118.7 | 9664.3 | 10637.0 | 11048.0 |
| 57° | 3242.9 | 2769.5 | 3295.7 | 3971.3 | 4638.1 | 5655.7 | 6857.6 | 8099.1 | 9669.7 | 10629.9 | 11004.1 |
| 58° | 2932.1 | 2689.7 | 2973.2 | 3764.0 | 4685.4 | 5642.8 | 6775.3 | 8049.7 | 9667.0 | 10610.1 | 10942.1 |
| 59° | 2852.8 | 2627.6 | 2902.6 | 3686.1 | 4736.0 | 5624.2 | 6748.2 | 8010.0 | 9657.1 | 10583.2 | 10865.9 |
| 60° | 2720.5 | 2228.3 | 2739.8 | 3668.9 | 4673.9 | 5597.2 | 6670.4 | 7962.9 | 9623.9 | 10545.5 | 10779.7 |
| 61° | 2457.0 | 2029.4 | 2503.9 | 3405.3 | 4545.6 | 5533.2 | 6599.7 | 7900.0 | 9558.4 | 10496.2 | 10684.6 |
| 62° | 2340.7 | 1830.7 | 2348.1 | 3389.4 | 4524.0 | 5473.9 | 6512.7 | 7814.3 | 9451.7 | 10423.5 | 10579.6 |
| 63° | 2108.1 | 1630.7 | 2124.8 | 3171.4 | 4440.7 | 5450.2 | 6417.8 | 7694.2 | 9324.2 | 10331.1 | 10454.0 |
| 64° | 1875.6 | 1322.4 | 1901.5 | 3104.2 | 4370.4 | 5376.4 | 6323.0 | 7572.5 | 9172.6 | 10225.2 | 10300.5 |
| 65° | 1641.0 | 1019.8 | 1678.1 | 2877.8 | 4320.1 | 5268.2 | 6231.2 | 7429.3 | 9029.9 | 10094.2 | 10117.5 |
| 66° | 1337.8 | 762.1  | 1356.0 | 2767.9 | 4214.5 | 5282.8 | 6111.1 | 7234.4 | 8874.8 | 9941.6  | 9913.8  |
| 67° | 1086.7 | 506.8  | 1068.0 | 2568.5 | 4173.4 | 5300.7 | 5954.3 | 7015.3 | 8685.8 | 9763.9  | 9689.5  |
| 68° | 794.9  | 251.5  | 789.0  | 2363.4 | 4069.6 | 5282.8 | 5781.5 | 6719.3 | 8438.5 | 9553.1  | 9448.1  |
| 69° | 575.7  | 0.6    | 553.4  | 2114.9 | 3981.5 | 5107.7 | 5575.7 | 6324.6 | 8116.4 | 9303.6  | 9184.3  |
| 70° | 518.0  | 0.5    | 484.7  | 1963.7 | 3898.6 | 4943.6 | 5274.9 | 5751.8 | 7698.3 | 9014.7  | 8889.7  |
| 71° | 461.3  | 0.5    | 422.8  | 1842.2 | 3790.2 | 4793.8 | 4876.8 | 5107.3 | 7158.6 | 8683.4  | 8573.3  |
| 72° | 398.5  | 0.5    | 359.9  | 1720.7 | 3676.9 | 4613.8 | 4465.7 | 4520.2 | 6532.0 | 8318.5  | 8266.4  |
| 73° | 331.1  | 0.5    | 292.6  | 1598.8 | 3531.8 | 4363.1 | 4082.3 | 4027.3 | 5878.8 | 7872.0  | 7949.2  |
| 74° | 270.7  | 0.6    | 227.3  | 1461.2 | 3330.0 | 4122.7 | 3695.4 | 3476.6 | 5202.9 | 7331.9  | 7609.2  |
| 75° | 214.3  | 0.6    | 186.6  | 1294.6 | 3101.4 | 3879.4 | 3193.7 | 2685.0 | 4482.8 | 6720.8  | 7217.5  |
| 76° | 158.2  | 0.7    | 172.6  | 1145.6 | 2799.4 | 3593.7 | 2436.7 | 1686.3 | 3600.9 | 6046.6  | 6749.1  |
| 77° | 122.0  | 0.8    | 189.0  | 1005.3 | 2391.4 | 3282.5 | 1679.7 | 805.0  | 2488.2 | 5305.2  | 6142.1  |
| 78° | 131.2  | 1.0    | 174.1  | 864.4  | 1980.9 | 2855.9 | 924.9  | 514.4  | 1358.2 | 4415.1  | 5262.5  |
| 79° | 178.0  | 1.1    | 159.2  | 755.5  | 1570.4 | 2112.2 | 379.0  | 237.3  | 998.0  | 3404.6  | 4215.2  |
| 80° | 183.6  | 1.3    | 144.0  | 695.4  | 1164.1 | 1368.6 | 271.6  | 201.3  | 637.9  | 2232.1  | 3012.3  |
| 81° | 166.3  | 1.5    | 90.0   | 643.2  | 924.2  | 641.2  | 165.6  | 175.7  | 277.9  | 1136.5  | 1788.7  |
| 82° | 121.0  | 1.7    | 49.8   | 550.1  | 771.9  | 477.0  | 136.0  | 152.3  | 235.0  | 842.9   | 778.0   |
| 83° | 75.8   | 1.9    | 38.0   | 403.0  | 599.2  | 312.8  | 112.5  | 129.8  | 202.3  | 551.2   | 560.3   |
| 84° | 45.2   | 2.1    | 26.2   | 255.8  | 398.8  | 150.3  | 92.2   | 107.9  | 172.3  | 259.5   | 366.5   |
| 85° | 34.5   | 2.4    | 14.5   | 110.0  | 264.1  | 123.4  | 73.4   | 85.0   | 141.6  | 204.8   | 319.0   |
| 86° | 23.8   | 2.6    | 12.2   | 64.8   | 130.0  | 98.1   | 56.7   | 65.2   | 112.0  | 164.5   | 268.2   |
| 87° | 13.3   | 2.9    | 10.6   | 39.3   | 69.0   | 72.4   | 41.9   | 45.4   | 84.9   | 130.4   | 210.9   |
| 88° | 10.5   | 3.1    | 8.9    | 27.8   | 47.7   | 50.1   | 29.6   | 25.7   | 62.5   | 99.0    | 144.8   |
| 89° | 7.2    | 3.4    | 6.7    | 16.3   | 26.3   | 27.7   | 17.2   | 11.3   | 40.3   | 76.8    | 84.1    |

REPORT NUMBER: P1445059

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059  
CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059

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

**CANDELA DISTRIBUTION (continued):**

|     | 330°    | 345°    | 360°    |
|-----|---------|---------|---------|
| 0°  | 5810.4  | 5810.4  | 5810.4  |
| 1°  | 5884.7  | 5895.5  | 5898.9  |
| 2°  | 5973.8  | 5995.7  | 6001.9  |
| 3°  | 6072.0  | 6103.5  | 6114.5  |
| 4°  | 6180.6  | 6227.2  | 6242.0  |
| 5°  | 6302.5  | 6361.4  | 6381.7  |
| 6°  | 6430.6  | 6506.7  | 6533.1  |
| 7°  | 6571.2  | 6666.5  | 6699.6  |
| 8°  | 6722.9  | 6837.2  | 6875.2  |
| 9°  | 6884.7  | 7020.8  | 7069.7  |
| 10° | 7061.1  | 7221.5  | 7279.4  |
| 11° | 7250.8  | 7436.6  | 7502.2  |
| 12° | 7451.5  | 7664.5  | 7742.1  |
| 13° | 7667.0  | 7914.2  | 8005.9  |
| 14° | 7892.8  | 8172.6  | 8281.4  |
| 15° | 8131.9  | 8444.5  | 8566.3  |
| 16° | 8375.0  | 8725.6  | 8858.0  |
| 17° | 8628.4  | 9012.0  | 9147.5  |
| 18° | 8881.7  | 9293.7  | 9433.7  |
| 19° | 9131.3  | 9562.9  | 9714.6  |
| 20° | 9372.7  | 9824.1  | 9986.5  |
| 21° | 9606.0  | 10074.4 | 10241.3 |
| 22° | 9825.8  | 10307.7 | 10482.7 |
| 23° | 10040.3 | 10540.1 | 10711.5 |
| 24° | 10244.0 | 10766.3 | 10929.6 |
| 25° | 10449.5 | 10982.5 | 11133.3 |
| 26° | 10655.0 | 11179.0 | 11312.7 |
| 27° | 10848.8 | 11354.9 | 11469.8 |
| 28° | 11016.6 | 11507.5 | 11621.4 |
| 29° | 11171.9 | 11660.0 | 11774.0 |
| 30° | 11337.0 | 11834.1 | 11958.8 |
| 31° | 11502.1 | 11994.7 | 12110.5 |
| 32° | 11653.7 | 12113.2 | 12225.3 |
| 33° | 11760.5 | 12174.2 | 12271.1 |
| 34° | 11811.7 | 12168.8 | 12246.0 |
| 35° | 11803.6 | 12098.8 | 12162.5 |
| 36° | 11758.7 | 11992.0 | 12050.3 |
| 37° | 11681.5 | 11882.5 | 11951.6 |
| 38° | 11608.0 | 11812.6 | 11908.6 |
| 39° | 11564.0 | 11779.4 | 11895.1 |
| 40° | 11544.3 | 11764.1 | 11891.5 |
| 41° | 11535.3 | 11756.9 | 11887.9 |
| 42° | 11526.3 | 11752.4 | 11876.3 |
| 43° | 11517.3 | 11743.5 | 11850.2 |
| 44° | 11510.2 | 11728.2 | 11811.7 |

REPORT NUMBER: P1445059

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

**CANDELA DISTRIBUTION (continued):**

|     | 330°    | 345°    | 360°    |
|-----|---------|---------|---------|
| 45° | 11503.0 | 11699.5 | 11756.9 |
| 46° | 11494.0 | 11662.7 | 11694.1 |
| 47° | 11480.5 | 11621.4 | 11621.4 |
| 48° | 11459.9 | 11574.8 | 11546.0 |
| 49° | 11429.4 | 11526.3 | 11465.3 |
| 50° | 11390.8 | 11477.0 | 11377.3 |
| 51° | 11340.6 | 11423.1 | 11280.4 |
| 52° | 11285.8 | 11354.9 | 11169.2 |
| 53° | 11229.3 | 11270.6 | 11048.9 |
| 54° | 11171.9 | 11166.5 | 10914.3 |
| 55° | 11108.1 | 11044.4 | 10761.8 |
| 56° | 11031.0 | 10900.0 | 10585.9 |
| 57° | 10935.0 | 10738.4 | 10393.9 |
| 58° | 10812.0 | 10542.8 | 10179.4 |
| 59° | 10677.4 | 10327.5 | 9946.1  |
| 60° | 10523.1 | 10091.5 | 9673.3  |
| 61° | 10349.0 | 9820.5  | 9327.8  |
| 62° | 10152.5 | 9492.0  | 8916.4  |
| 63° | 9944.3  | 9108.9  | 8456.7  |
| 64° | 9713.7  | 8694.1  | 8002.8  |
| 65° | 9454.4  | 8304.1  | 7609.6  |
| 66° | 9178.9  | 7960.9  | 7296.8  |
| 67° | 8902.0  | 7676.6  | 7092.3  |
| 68° | 8621.4  | 7451.6  | 6987.0  |
| 69° | 8377.0  | 7285.7  | 6892.2  |
| 70° | 8169.6  | 7138.1  | 6635.8  |
| 71° | 7954.7  | 6908.9  | 6129.1  |
| 72° | 7719.1  | 6497.4  | 5460.8  |
| 73° | 7486.7  | 5918.8  | 4798.1  |
| 74° | 7215.7  | 5268.4  | 4171.5  |
| 75° | 6803.7  | 4558.2  | 3269.0  |
| 76° | 6257.3  | 3685.5  | 2053.7  |
| 77° | 5624.8  | 2545.9  | 970.7   |
| 78° | 4843.7  | 1362.8  | 762.4   |
| 79° | 3750.2  | 1026.7  | 564.2   |
| 80° | 2322.3  | 702.6   | 366.0   |
| 81° | 1172.6  | 378.4   | 333.0   |
| 82° | 878.6   | 329.5   | 302.9   |
| 83° | 610.5   | 297.3   | 274.2   |
| 84° | 342.3   | 263.1   | 244.8   |
| 85° | 269.6   | 228.1   | 215.3   |
| 86° | 219.3   | 195.7   | 183.5   |
| 87° | 180.5   | 165.7   | 152.1   |
| 88° | 143.3   | 136.3   | 124.0   |
| 89° | 102.9   | 106.5   | 101.5   |

REPORT NUMBER: P1445059

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059

CATALOG NUMBER: XAS300-SFPM (3000K-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: P1445059

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

**CANDELA DISTRIBUTION (continued):**

|      | 330° | 345° | 360° |
|------|------|------|------|
| 180° | 0.0  | 0.0  | 0.0  |

(END OF REPORT)