

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: P1445040

Luminaire Tested: XAS300-SFPM (3000K-120W-T4)

Issue Date: 5/5/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1445040  
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-120W-T4)  
Description: XAS300 ALL-SELECTABLE AREA SITE LUMINAIRE.  
LUMEN OUTPUT - 40% (120W)  
OPTICS - TYPE 4  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: 46561 (1 lamp)  
Luminaire Lumens: 20286.8 lumens  
Efficiency: 43.6%  
Efficacy: 164.5 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

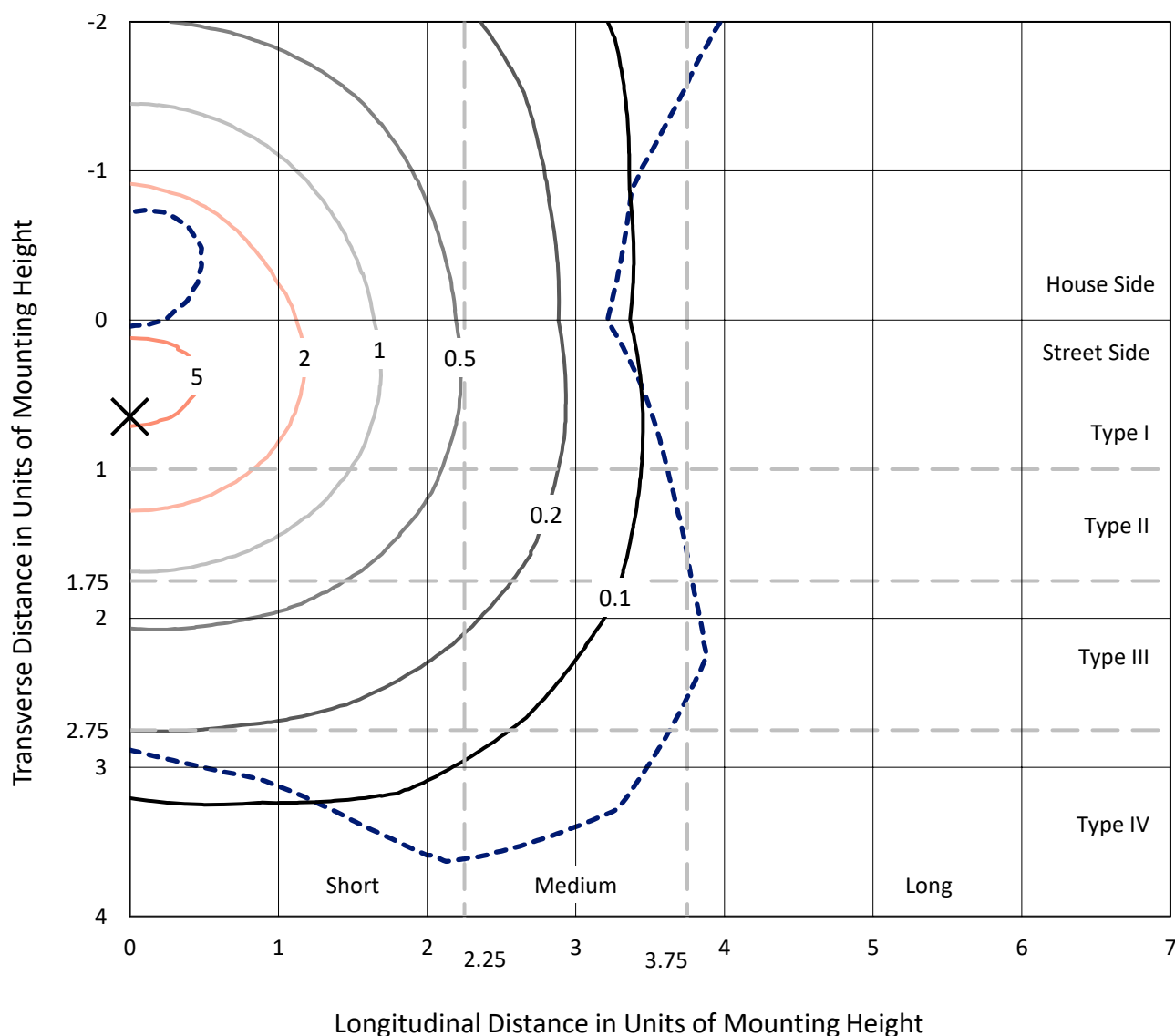
Input Watts (W): 123.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

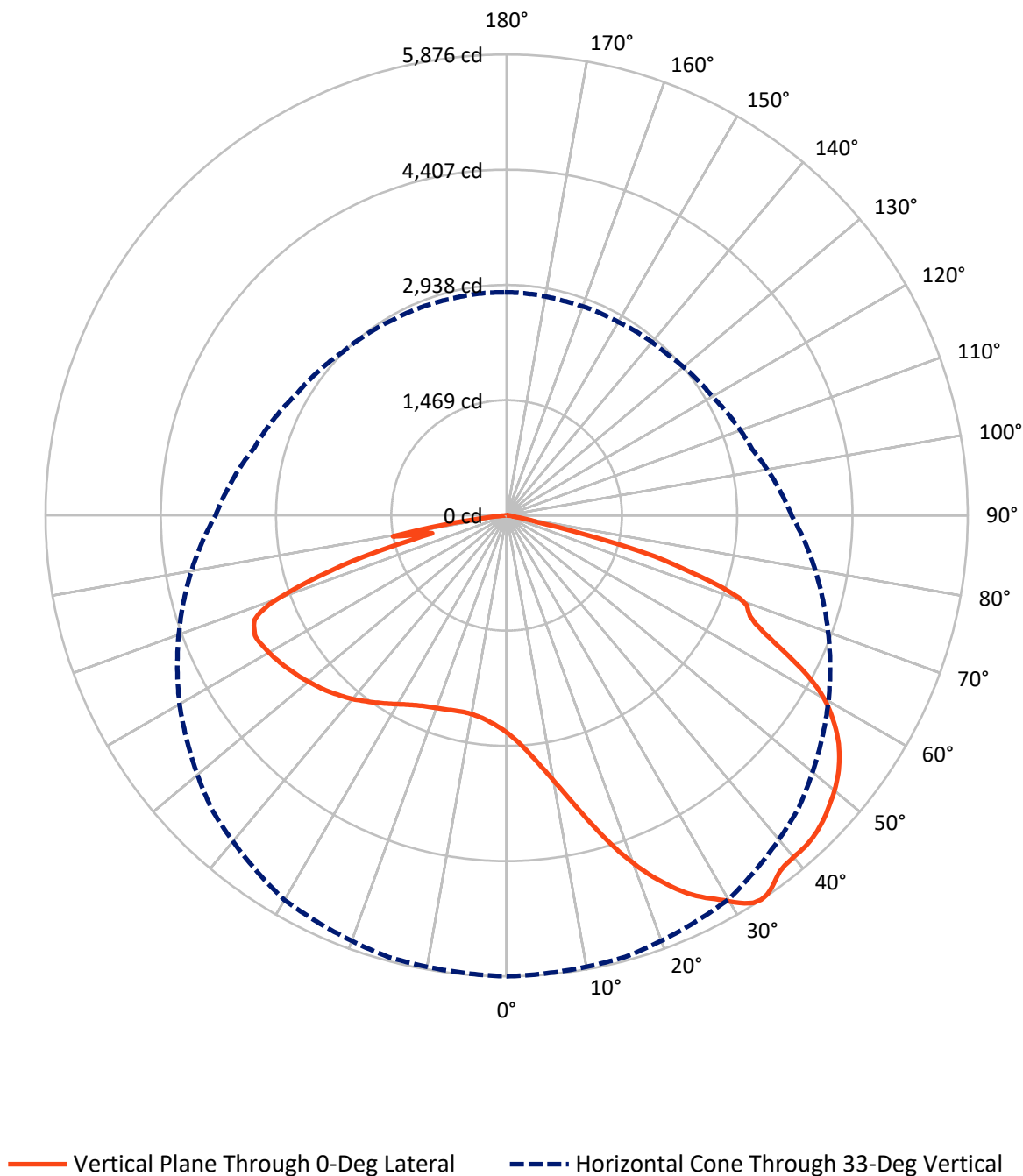


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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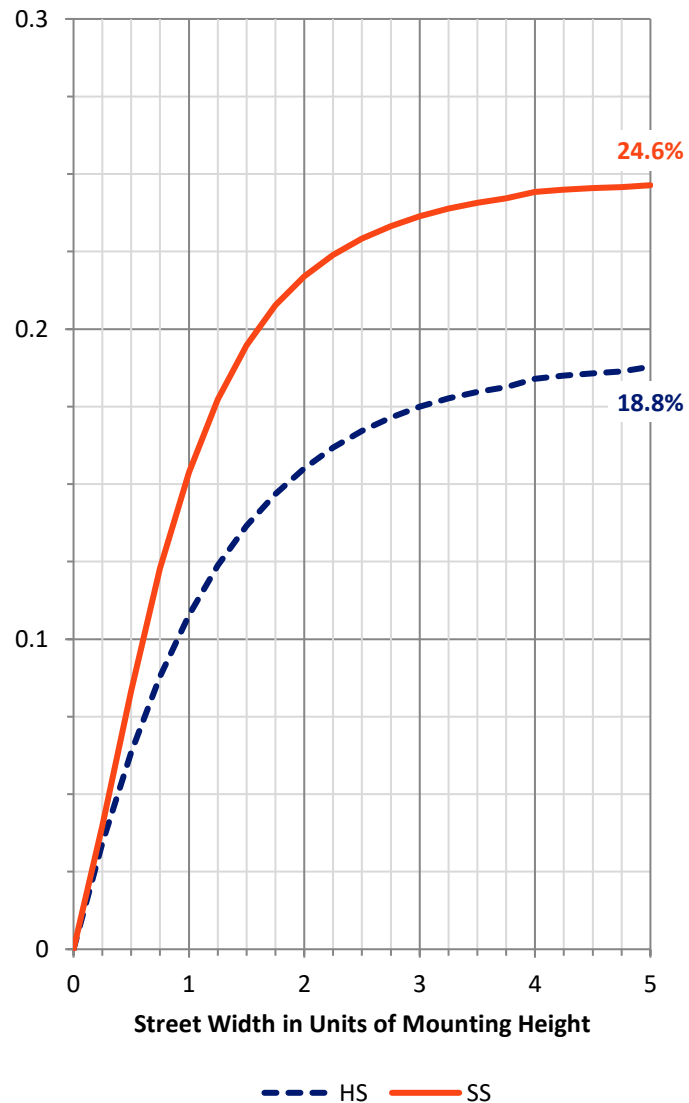
**FLUX DISTRIBUTION:**

|                    |        | Downward | Upward | Total   |
|--------------------|--------|----------|--------|---------|
| <b>House Side</b>  | Lumens | 8828.2   | 0.0    | 8828.2  |
|                    | % Lamp | 19.0     | 0.0    | 19.0    |
| <b>Street Side</b> | Lumens | 11458.6  | 0.0    | 11458.6 |
|                    | % Lamp | 24.6     | 0.0    | 24.6    |
| <b>Total</b>       | Lumens | 20286.8  | 0.0    | 20286.8 |
|                    | % Lamp | 43.6     | 0.0    | 43.6    |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10°    | 274.0   | 1.4       | 0.6    |
| 10°-20°   | 906.6   | 4.5       | 1.9    |
| 20°-30°   | 1712.0  | 8.4       | 3.7    |
| 30°-40°   | 2579.9  | 12.7      | 5.5    |
| 40°-50°   | 3334.9  | 16.4      | 7.2    |
| 50°-60°   | 3994.2  | 19.7      | 8.6    |
| 60°-70°   | 4242.9  | 20.9      | 9.1    |
| 70°-80°   | 2907.4  | 14.3      | 6.2    |
| 80°-90°   | 334.9   | 1.7       | 0.7    |
| 90°-100°  | 0.0     | 0.0       | 0.0    |
| 100°-110° | 0.0     | 0.0       | 0.0    |
| 110°-120° | 0.0     | 0.0       | 0.0    |
| 120°-130° | 0.0     | 0.0       | 0.0    |
| 130°-140° | 0.0     | 0.0       | 0.0    |
| 140°-150° | 0.0     | 0.0       | 0.0    |
| 150°-160° | 0.0     | 0.0       | 0.0    |
| 160°-170° | 0.0     | 0.0       | 0.0    |
| 170°-180° | 0.0     | 0.0       | 0.0    |
| 0°-90°    | 20286.8 | 100.0     | 43.6   |
| 0°-180°   | 20286.8 | 100.0     | 43.6   |

**Coefficient of Utilization**



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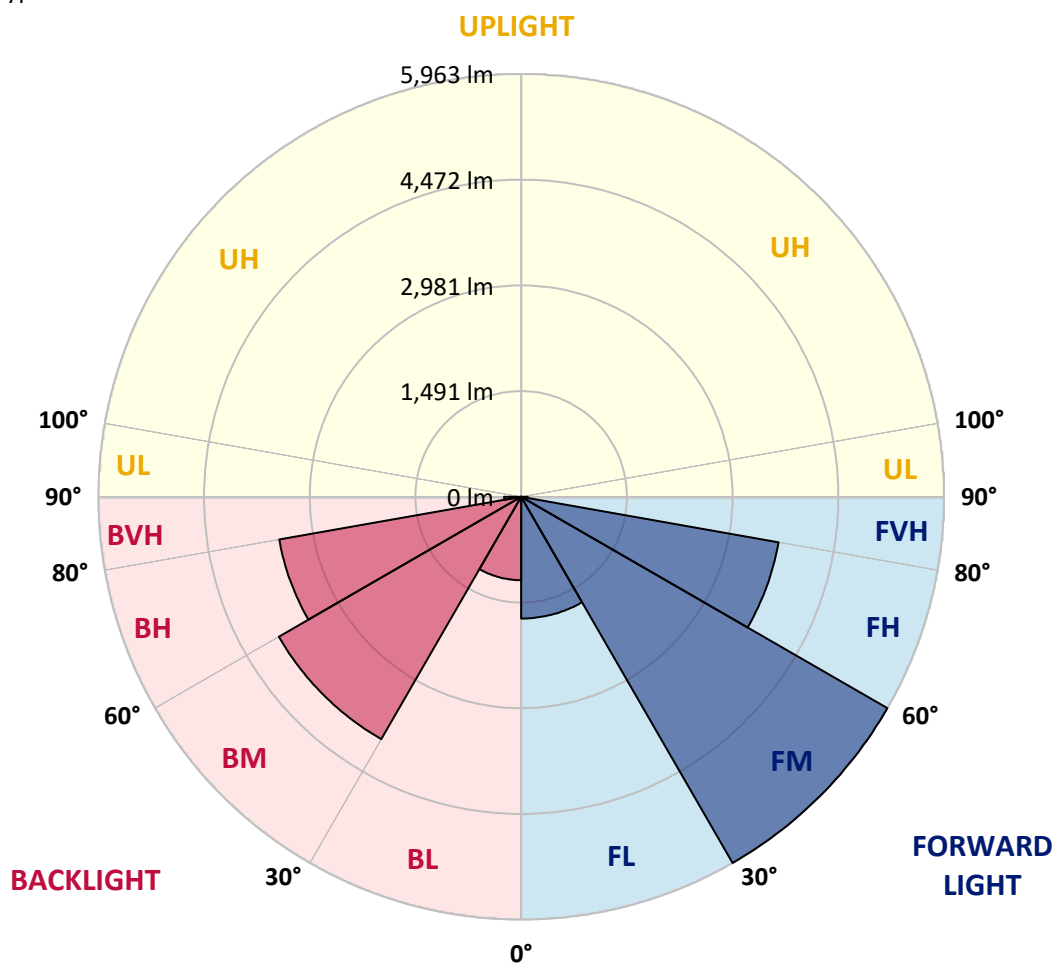
CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

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

| Zone          |             | Lumens  | % Lamp | Zone Rating/Lumen Limit |      |         |
|---------------|-------------|---------|--------|-------------------------|------|---------|
|               |             |         |        | B                       | U    | G       |
| FL            | (0°-30°)    | 1716.9  | 3.7    |                         |      |         |
| FM            | (30°-60°)   | 5962.8  | 12.8   |                         |      |         |
| FH            | (60°-80°)   | 3686.1  | 7.9    |                         |      | G2/5000 |
| FVH           | (80°-90°)   | 92.9    | 0.2    |                         |      | G1/100  |
| BL            | (0°-30°)    | 1175.7  | 2.5    | B3/2500                 |      |         |
| BM            | (30°-60°)   | 3946.2  | 8.5    | B3/5000                 |      |         |
| BH            | (60°-80°)   | 3464.2  | 7.4    | B4/5000                 |      | G4/5000 |
| BVH           | (80°-90°)   | 242.0   | 0.5    |                         |      | G3/500  |
| UL            | (90°-100°)  | 0.0     | 0.0    |                         | U0/0 |         |
| UH            | (100°-180°) | 0.0     | 0.0    |                         | U0/0 |         |
| Trapped Light |             | 26274.2 | 56.4   |                         |      |         |

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

Type IV Short



REPORT NUMBER: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (FULL):**

|     | 0°     | 15°    | 30°    | 45°    | 60°    | 75°    | 90°    | 105°   | 120°   | 135°   | 150°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°  | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 |
| 1°  | 2826.3 | 2825.4 | 2822.4 | 2818.2 | 2810.5 | 2800.8 | 2781.3 | 2771.2 | 2762.5 | 2755.3 | 2750.5 |
| 2°  | 2873.2 | 2870.2 | 2862.4 | 2850.1 | 2832.3 | 2812.5 | 2782.6 | 2762.8 | 2745.0 | 2731.0 | 2721.5 |
| 3°  | 2926.2 | 2920.9 | 2907.3 | 2884.9 | 2857.3 | 2826.4 | 2786.2 | 2756.6 | 2730.6 | 2710.7 | 2697.1 |
| 4°  | 2985.7 | 2977.6 | 2957.2 | 2925.4 | 2885.8 | 2843.3 | 2791.6 | 2752.3 | 2719.2 | 2693.6 | 2676.2 |
| 5°  | 3051.2 | 3040.1 | 3011.2 | 2969.5 | 2918.7 | 2863.3 | 2799.9 | 2751.1 | 2710.1 | 2679.8 | 2658.8 |
| 6°  | 3123.8 | 3110.0 | 3074.3 | 3018.7 | 2954.1 | 2884.5 | 2809.6 | 2751.4 | 2702.9 | 2667.8 | 2642.5 |
| 7°  | 3202.3 | 3185.9 | 3140.5 | 3072.8 | 2991.9 | 2907.5 | 2820.0 | 2752.6 | 2698.1 | 2657.2 | 2628.2 |
| 8°  | 3285.8 | 3266.6 | 3212.6 | 3131.3 | 3032.7 | 2932.8 | 2832.4 | 2755.9 | 2695.0 | 2648.3 | 2616.5 |
| 9°  | 3378.2 | 3356.7 | 3291.7 | 3194.0 | 3077.5 | 2960.6 | 2846.6 | 2760.0 | 2692.2 | 2641.3 | 2607.0 |
| 10° | 3478.1 | 3449.9 | 3374.5 | 3261.6 | 3125.8 | 2990.2 | 2863.0 | 2765.3 | 2690.0 | 2637.2 | 2600.2 |
| 11° | 3586.3 | 3554.3 | 3465.6 | 3333.0 | 3176.8 | 3022.4 | 2880.1 | 2772.2 | 2689.3 | 2634.0 | 2596.0 |
| 12° | 3702.6 | 3663.4 | 3561.1 | 3410.0 | 3231.3 | 3057.2 | 2899.1 | 2781.4 | 2691.0 | 2632.7 | 2594.0 |
| 13° | 3828.1 | 3782.2 | 3664.8 | 3491.0 | 3288.6 | 3093.8 | 2921.7 | 2792.0 | 2694.7 | 2632.8 | 2594.4 |
| 14° | 3960.5 | 3909.1 | 3772.3 | 3577.5 | 3351.1 | 3134.0 | 2946.8 | 2804.4 | 2699.5 | 2634.9 | 2597.1 |
| 15° | 4098.2 | 4039.9 | 3884.3 | 3668.3 | 3415.7 | 3175.6 | 2972.7 | 2818.3 | 2705.8 | 2638.7 | 2601.1 |
| 16° | 4239.9 | 4172.3 | 4000.3 | 3761.7 | 3484.6 | 3220.3 | 3000.8 | 2835.1 | 2713.9 | 2643.6 | 2606.7 |
| 17° | 4379.7 | 4306.4 | 4118.8 | 3855.7 | 3555.6 | 3268.0 | 3031.4 | 2852.8 | 2724.4 | 2650.8 | 2614.2 |
| 18° | 4517.8 | 4439.4 | 4236.7 | 3953.8 | 3628.3 | 3318.1 | 3063.9 | 2872.4 | 2735.9 | 2659.9 | 2623.2 |
| 19° | 4652.5 | 4570.1 | 4355.1 | 4050.0 | 3702.0 | 3369.1 | 3096.4 | 2893.3 | 2749.4 | 2669.6 | 2632.9 |
| 20° | 4783.6 | 4694.7 | 4468.6 | 4145.9 | 3777.3 | 3420.7 | 3130.4 | 2915.8 | 2764.0 | 2681.7 | 2644.3 |
| 21° | 4906.5 | 4816.3 | 4581.0 | 4241.8 | 3854.0 | 3475.2 | 3165.8 | 2939.4 | 2780.0 | 2694.5 | 2655.3 |
| 22° | 5022.8 | 4931.3 | 4686.4 | 4335.5 | 3929.9 | 3531.6 | 3201.6 | 2963.1 | 2797.5 | 2708.7 | 2668.0 |
| 23° | 5130.4 | 5042.8 | 4790.6 | 4428.5 | 4007.9 | 3588.7 | 3237.3 | 2986.7 | 2815.7 | 2723.8 | 2681.2 |
| 24° | 5234.6 | 5147.4 | 4890.3 | 4517.4 | 4082.0 | 3645.2 | 3272.0 | 3010.6 | 2834.5 | 2739.0 | 2695.3 |
| 25° | 5333.9 | 5249.4 | 4988.8 | 4605.4 | 4156.7 | 3700.2 | 3307.1 | 3034.0 | 2853.9 | 2755.3 | 2709.7 |
| 26° | 5418.0 | 5340.0 | 5083.8 | 4691.7 | 4229.1 | 3756.9 | 3343.5 | 3058.2 | 2874.1 | 2771.8 | 2724.3 |
| 27° | 5495.1 | 5422.3 | 5176.2 | 4774.4 | 4301.2 | 3814.9 | 3380.0 | 3081.9 | 2894.4 | 2788.5 | 2739.7 |
| 28° | 5564.4 | 5495.1 | 5261.1 | 4857.2 | 4372.7 | 3872.7 | 3418.1 | 3105.9 | 2915.1 | 2806.2 | 2755.1 |
| 29° | 5638.4 | 5567.0 | 5341.7 | 4938.3 | 4441.6 | 3932.2 | 3458.2 | 3131.8 | 2936.8 | 2823.2 | 2772.4 |
| 30° | 5726.5 | 5651.1 | 5420.6 | 5019.7 | 4510.4 | 3993.9 | 3500.3 | 3159.2 | 2958.9 | 2841.7 | 2789.9 |
| 31° | 5800.1 | 5729.9 | 5507.3 | 5103.0 | 4582.3 | 4054.5 | 3543.2 | 3187.0 | 2981.6 | 2860.7 | 2808.7 |
| 32° | 5855.0 | 5791.8 | 5587.5 | 5186.2 | 4656.4 | 4114.0 | 3588.3 | 3214.8 | 3004.7 | 2880.9 | 2827.7 |
| 33° | 5876.3 | 5828.0 | 5654.1 | 5266.8 | 4736.5 | 4173.3 | 3632.3 | 3242.9 | 3027.9 | 2901.2 | 2846.6 |
| 34° | 5864.1 | 5825.8 | 5699.0 | 5339.6 | 4814.5 | 4239.8 | 3678.3 | 3271.7 | 3049.2 | 2920.9 | 2865.4 |
| 35° | 5822.3 | 5792.7 | 5707.3 | 5396.6 | 4882.5 | 4310.2 | 3726.1 | 3301.3 | 3071.0 | 2941.9 | 2886.2 |
| 36° | 5767.0 | 5744.3 | 5686.8 | 5434.1 | 4943.5 | 4378.8 | 3775.6 | 3332.1 | 3093.2 | 2963.8 | 2908.5 |
| 37° | 5720.4 | 5688.6 | 5652.0 | 5442.4 | 4989.3 | 4438.1 | 3824.7 | 3361.7 | 3117.3 | 2986.5 | 2933.9 |
| 38° | 5698.6 | 5652.4 | 5615.8 | 5432.4 | 5024.5 | 4489.1 | 3875.9 | 3389.4 | 3141.6 | 3011.9 | 2960.4 |
| 39° | 5690.7 | 5634.1 | 5589.7 | 5418.9 | 5041.1 | 4531.8 | 3928.3 | 3419.3 | 3166.5 | 3039.4 | 2988.1 |
| 40° | 5688.1 | 5624.9 | 5577.0 | 5411.9 | 5046.3 | 4563.6 | 3975.7 | 3451.4 | 3192.7 | 3070.1 | 3017.1 |
| 41° | 5685.9 | 5618.8 | 5573.1 | 5411.9 | 5054.2 | 4586.2 | 4016.0 | 3486.6 | 3220.2 | 3099.4 | 3045.6 |
| 42° | 5679.4 | 5614.1 | 5572.7 | 5420.2 | 5069.4 | 4606.7 | 4049.0 | 3519.5 | 3250.0 | 3131.8 | 3075.1 |
| 43° | 5666.8 | 5607.1 | 5572.2 | 5434.5 | 5088.2 | 4631.1 | 4075.9 | 3549.5 | 3281.8 | 3164.5 | 3103.2 |
| 44° | 5646.7 | 5598.4 | 5570.5 | 5451.1 | 5110.8 | 4662.5 | 4102.5 | 3578.6 | 3315.5 | 3199.7 | 3131.0 |

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CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

|     | 0°     | 15°    | 30°    | 45°    | 60°    | 75°    | 90°    | 105°   | 120°   | 135°   | 150°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 5620.2 | 5583.6 | 5566.6 | 5466.3 | 5136.5 | 4697.3 | 4131.3 | 3609.2 | 3349.2 | 3234.6 | 3158.0 |
| 46° | 5587.5 | 5564.4 | 5560.0 | 5479.0 | 5165.3 | 4732.2 | 4162.6 | 3641.7 | 3384.5 | 3269.3 | 3184.4 |
| 47° | 5552.2 | 5543.9 | 5552.2 | 5488.1 | 5194.5 | 4768.3 | 4192.7 | 3677.6 | 3419.3 | 3303.0 | 3212.0 |
| 48° | 5514.7 | 5520.8 | 5541.7 | 5494.7 | 5222.8 | 4804.9 | 4223.5 | 3715.6 | 3454.5 | 3336.8 | 3239.1 |
| 49° | 5475.9 | 5496.8 | 5526.9 | 5499.0 | 5251.1 | 4840.2 | 4252.7 | 3753.7 | 3491.3 | 3369.9 | 3268.8 |
| 50° | 5434.1 | 5472.0 | 5509.0 | 5500.8 | 5277.3 | 4875.5 | 4280.1 | 3793.6 | 3527.9 | 3402.6 | 3298.7 |
| 51° | 5386.6 | 5443.3 | 5487.7 | 5500.3 | 5301.2 | 4908.2 | 4304.9 | 3833.4 | 3564.1 | 3436.0 | 3331.5 |
| 52° | 5333.5 | 5408.0 | 5463.3 | 5497.3 | 5325.6 | 4940.9 | 4327.5 | 3873.0 | 3600.3 | 3470.3 | 3366.2 |
| 53° | 5274.6 | 5368.3 | 5437.2 | 5493.8 | 5346.1 | 4969.6 | 4347.8 | 3911.0 | 3638.3 | 3506.0 | 3402.9 |
| 54° | 5208.4 | 5317.3 | 5408.8 | 5486.4 | 5363.5 | 4996.2 | 4368.4 | 3946.7 | 3677.9 | 3543.7 | 3441.8 |
| 55° | 5134.8 | 5257.6 | 5377.5 | 5476.4 | 5378.8 | 5019.7 | 4387.1 | 3980.3 | 3717.6 | 3582.8 | 3481.8 |
| 56° | 5051.1 | 5188.8 | 5338.7 | 5461.1 | 5391.0 | 5040.2 | 4405.0 | 4012.6 | 3758.1 | 3624.7 | 3521.3 |
| 57° | 4956.6 | 5109.5 | 5292.1 | 5441.1 | 5398.8 | 5057.7 | 4420.7 | 4043.8 | 3800.0 | 3669.8 | 3560.7 |
| 58° | 4851.6 | 5018.0 | 5235.0 | 5417.1 | 5401.9 | 5071.2 | 4432.4 | 4072.0 | 3843.7 | 3717.4 | 3598.5 |
| 59° | 4739.6 | 4913.9 | 5171.8 | 5390.1 | 5399.2 | 5079.0 | 4441.1 | 4097.7 | 3885.3 | 3766.0 | 3633.6 |
| 60° | 4605.4 | 4797.5 | 5098.6 | 5357.9 | 5390.1 | 5080.7 | 4445.5 | 4120.8 | 3927.2 | 3816.9 | 3666.9 |
| 61° | 4439.0 | 4662.0 | 5017.1 | 5317.8 | 5373.1 | 5072.5 | 4443.7 | 4138.7 | 3970.6 | 3869.8 | 3704.2 |
| 62° | 4240.9 | 4499.5 | 4925.6 | 5269.8 | 5353.1 | 5054.2 | 4435.9 | 4152.4 | 4014.9 | 3924.0 | 3741.9 |
| 63° | 4018.6 | 4311.9 | 4821.1 | 5212.3 | 5324.7 | 5031.9 | 4425.9 | 4163.2 | 4058.7 | 3978.5 | 3779.4 |
| 64° | 3798.6 | 4113.4 | 4704.3 | 5146.1 | 5286.0 | 4999.7 | 4409.8 | 4166.7 | 4100.6 | 4034.8 | 3814.8 |
| 65° | 3607.5 | 3927.6 | 4577.9 | 5068.5 | 5240.7 | 4958.3 | 4384.5 | 4165.6 | 4141.0 | 4089.2 | 3849.1 |
| 66° | 3455.9 | 3757.4 | 4442.0 | 4980.5 | 5185.3 | 4910.8 | 4345.7 | 4160.7 | 4175.1 | 4143.3 | 3884.3 |
| 67° | 3358.9 | 3614.8 | 4309.0 | 4877.3 | 5112.1 | 4843.3 | 4288.6 | 4140.0 | 4206.4 | 4192.3 | 3915.9 |
| 68° | 3309.2 | 3510.3 | 4181.8 | 4760.1 | 5025.4 | 4751.8 | 4197.2 | 4101.5 | 4232.7 | 4239.9 | 3944.6 |
| 69° | 3266.0 | 3436.9 | 4064.1 | 4630.2 | 4916.5 | 4632.8 | 4053.0 | 4029.4 | 4250.3 | 4281.2 | 3960.0 |
| 70° | 3143.9 | 3372.5 | 3954.8 | 4489.9 | 4784.0 | 4465.5 | 3830.1 | 3904.3 | 4248.9 | 4317.7 | 3969.0 |
| 71° | 2901.3 | 3258.9 | 3859.1 | 4346.5 | 4628.5 | 4238.9 | 3509.8 | 3718.3 | 4220.1 | 4342.8 | 3969.4 |
| 72° | 2577.9 | 3062.7 | 3765.4 | 4200.2 | 4447.7 | 3958.6 | 3159.6 | 3475.1 | 4156.8 | 4354.0 | 3943.3 |
| 73° | 2254.1 | 2787.3 | 3658.3 | 4058.3 | 4237.8 | 3631.4 | 2834.2 | 3200.8 | 4046.6 | 4335.9 | 3894.0 |
| 74° | 1954.4 | 2480.9 | 3526.2 | 3910.9 | 3994.4 | 3291.1 | 2537.5 | 2940.0 | 3902.4 | 4281.1 | 3811.6 |
| 75° | 1518.8 | 2144.1 | 3354.9 | 3732.8 | 3725.5 | 2933.2 | 2191.0 | 2689.6 | 3727.6 | 4178.7 | 3659.3 |
| 76° | 928.9  | 1726.7 | 3114.0 | 3531.4 | 3430.7 | 2545.2 | 1675.4 | 2371.1 | 3549.0 | 4014.9 | 3451.8 |
| 77° | 411.1  | 1140.6 | 2804.6 | 3247.6 | 3099.1 | 2040.8 | 1087.6 | 1882.0 | 3349.5 | 3746.6 | 3220.5 |
| 78° | 309.0  | 552.0  | 2410.1 | 2866.6 | 2698.8 | 1402.0 | 503.6  | 1337.6 | 3099.0 | 3351.1 | 2929.5 |
| 79° | 214.0  | 403.0  | 1904.2 | 2388.6 | 2221.6 | 773.6  | 204.5  | 793.2  | 2691.9 | 2825.5 | 2534.7 |
| 80° | 119.0  | 262.6  | 1229.1 | 1806.7 | 1655.3 | 353.9  | 136.1  | 255.0  | 2058.0 | 2249.6 | 2129.5 |
| 81° | 103.7  | 122.2  | 622.5  | 1185.3 | 1009.4 | 243.4  | 117.6  | 154.2  | 1457.6 | 1736.3 | 1791.5 |
| 82° | 91.3   | 104.7  | 455.0  | 579.5  | 467.5  | 139.7  | 103.5  | 126.0  | 857.2  | 1309.6 | 1577.0 |
| 83° | 79.2   | 90.4   | 293.3  | 429.5  | 337.4  | 114.9  | 89.4   | 106.9  | 268.5  | 1045.3 | 1469.6 |
| 84° | 67.0   | 76.4   | 131.6  | 284.3  | 219.7  | 96.1   | 75.2   | 87.8   | 176.7  | 781.1  | 1113.4 |
| 85° | 54.5   | 62.4   | 97.6   | 139.0  | 102.0  | 78.2   | 62.1   | 68.7   | 142.3  | 517.9  | 757.3  |
| 86° | 40.9   | 49.3   | 71.5   | 113.4  | 78.0   | 60.1   | 48.9   | 53.8   | 114.3  | 318.8  | 408.6  |
| 87° | 29.6   | 37.1   | 53.4   | 86.9   | 59.0   | 43.9   | 35.2   | 40.4   | 86.3   | 221.7  | 285.2  |
| 88° | 18.4   | 24.9   | 36.9   | 56.9   | 42.2   | 30.7   | 22.5   | 28.5   | 58.6   | 124.7  | 161.9  |
| 89° | 7.2    | 12.7   | 20.4   | 30.3   | 23.7   | 17.4   | 15.7   | 19.9   | 39.9   | 27.9   | 41.1   |

REPORT NUMBER: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040  
CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

|     | 165°   | 180°   | 195°   | 210°   | 225°   | 240°   | 255°   | 270°   | 285°   | 300°   | 315°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°  | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 | 2785.9 |
| 1°  | 2748.4 | 2748.5 | 2752.1 | 2757.7 | 2766.2 | 2775.3 | 2785.2 | 2785.5 | 2795.3 | 2804.5 | 2813.3 |
| 2°  | 2716.8 | 2716.5 | 2721.5 | 2731.2 | 2744.8 | 2762.1 | 2780.8 | 2791.1 | 2811.0 | 2829.9 | 2847.0 |
| 3°  | 2690.0 | 2688.5 | 2695.0 | 2707.5 | 2725.9 | 2750.3 | 2777.7 | 2798.0 | 2828.8 | 2858.4 | 2885.2 |
| 4°  | 2666.9 | 2665.4 | 2672.5 | 2687.3 | 2710.4 | 2740.8 | 2776.4 | 2806.5 | 2848.1 | 2889.6 | 2928.2 |
| 5°  | 2646.8 | 2644.4 | 2653.1 | 2670.5 | 2697.2 | 2733.0 | 2776.4 | 2816.1 | 2868.7 | 2922.5 | 2974.4 |
| 6°  | 2627.8 | 2625.4 | 2635.0 | 2655.0 | 2685.7 | 2726.8 | 2778.5 | 2827.9 | 2891.6 | 2959.2 | 3024.3 |
| 7°  | 2611.5 | 2608.4 | 2618.9 | 2641.6 | 2675.1 | 2721.8 | 2780.9 | 2840.5 | 2916.7 | 2998.6 | 3077.9 |
| 8°  | 2597.7 | 2593.9 | 2605.6 | 2630.7 | 2666.6 | 2717.7 | 2784.3 | 2854.1 | 2943.5 | 3041.0 | 3135.4 |
| 9°  | 2587.0 | 2582.5 | 2595.1 | 2620.8 | 2660.6 | 2714.9 | 2789.3 | 2869.3 | 2972.8 | 3086.1 | 3197.5 |
| 10° | 2578.4 | 2574.1 | 2586.5 | 2613.6 | 2655.7 | 2713.8 | 2796.9 | 2887.8 | 3004.2 | 3134.9 | 3264.9 |
| 11° | 2573.3 | 2568.8 | 2581.2 | 2609.3 | 2652.5 | 2715.7 | 2806.4 | 2908.9 | 3039.5 | 3187.7 | 3337.0 |
| 12° | 2571.7 | 2566.5 | 2578.5 | 2607.1 | 2652.2 | 2719.1 | 2818.0 | 2932.2 | 3077.7 | 3244.1 | 3413.9 |
| 13° | 2572.4 | 2566.4 | 2579.1 | 2607.4 | 2654.0 | 2725.1 | 2831.6 | 2956.7 | 3118.5 | 3304.3 | 3498.5 |
| 14° | 2574.1 | 2568.6 | 2581.2 | 2610.5 | 2657.1 | 2732.3 | 2846.6 | 2982.2 | 3160.5 | 3369.1 | 3586.1 |
| 15° | 2578.5 | 2572.3 | 2584.7 | 2614.8 | 2662.5 | 2741.4 | 2862.9 | 3011.1 | 3205.4 | 3436.3 | 3679.0 |
| 16° | 2584.3 | 2578.0 | 2590.3 | 2620.8 | 2671.0 | 2752.3 | 2881.0 | 3042.0 | 3252.4 | 3508.2 | 3775.3 |
| 17° | 2591.0 | 2585.0 | 2598.0 | 2628.6 | 2680.4 | 2765.2 | 2900.6 | 3074.0 | 3302.5 | 3581.7 | 3873.5 |
| 18° | 2599.6 | 2592.9 | 2607.1 | 2638.8 | 2690.8 | 2779.0 | 2922.3 | 3108.4 | 3353.3 | 3658.3 | 3975.5 |
| 19° | 2609.2 | 2601.0 | 2617.2 | 2650.4 | 2702.9 | 2794.2 | 2944.6 | 3142.8 | 3406.1 | 3735.8 | 4074.1 |
| 20° | 2618.6 | 2609.6 | 2627.8 | 2663.2 | 2716.3 | 2811.3 | 2969.2 | 3178.5 | 3461.0 | 3814.2 | 4174.4 |
| 21° | 2627.6 | 2618.2 | 2639.4 | 2677.2 | 2731.5 | 2829.8 | 2994.5 | 3215.3 | 3518.4 | 3894.5 | 4271.5 |
| 22° | 2637.5 | 2627.2 | 2651.2 | 2691.4 | 2747.2 | 2849.5 | 3020.6 | 3251.5 | 3575.0 | 3973.3 | 4366.6 |
| 23° | 2648.3 | 2638.0 | 2663.5 | 2706.9 | 2763.7 | 2870.0 | 3046.7 | 3287.9 | 3633.7 | 4053.2 | 4459.4 |
| 24° | 2660.9 | 2650.7 | 2676.8 | 2723.1 | 2779.9 | 2891.6 | 3073.7 | 3324.0 | 3691.6 | 4131.3 | 4548.8 |
| 25° | 2674.6 | 2664.8 | 2691.9 | 2740.6 | 2796.5 | 2914.0 | 3099.7 | 3361.5 | 3750.5 | 4208.5 | 4635.5 |
| 26° | 2689.7 | 2681.2 | 2708.6 | 2757.8 | 2813.6 | 2935.8 | 3126.6 | 3398.1 | 3810.0 | 4282.1 | 4720.4 |
| 27° | 2706.8 | 2699.8 | 2726.8 | 2774.5 | 2831.0 | 2958.1 | 3153.3 | 3436.9 | 3869.4 | 4356.3 | 4807.1 |
| 28° | 2725.3 | 2720.2 | 2746.9 | 2791.3 | 2849.8 | 2980.9 | 3181.1 | 3478.0 | 3930.4 | 4428.5 | 4895.6 |
| 29° | 2745.6 | 2742.4 | 2767.8 | 2809.3 | 2868.9 | 3003.1 | 3210.1 | 3520.6 | 3993.6 | 4502.1 | 4980.5 |
| 30° | 2766.5 | 2766.6 | 2788.8 | 2827.1 | 2888.8 | 3025.7 | 3240.2 | 3565.5 | 4057.5 | 4578.8 | 5064.6 |
| 31° | 2787.2 | 2790.8 | 2809.6 | 2845.5 | 2909.3 | 3047.9 | 3270.7 | 3612.6 | 4124.5 | 4659.0 | 5154.8 |
| 32° | 2808.6 | 2817.5 | 2831.0 | 2863.9 | 2929.7 | 3070.5 | 3300.1 | 3659.3 | 4192.7 | 4737.4 | 5233.2 |
| 33° | 2830.4 | 2844.4 | 2852.6 | 2882.9 | 2950.4 | 3092.2 | 3329.8 | 3709.4 | 4263.6 | 4813.2 | 5308.6 |
| 34° | 2852.7 | 2870.5 | 2873.9 | 2901.9 | 2970.4 | 3112.6 | 3360.4 | 3759.6 | 4330.2 | 4883.8 | 5369.6 |
| 35° | 2875.1 | 2898.2 | 2896.1 | 2922.5 | 2991.0 | 3133.8 | 3391.5 | 3809.8 | 4392.8 | 4946.1 | 5412.3 |
| 36° | 2898.0 | 2927.1 | 2918.7 | 2944.9 | 3011.8 | 3156.1 | 3421.8 | 3857.7 | 4452.5 | 4994.9 | 5430.6 |
| 37° | 2921.6 | 2954.9 | 2940.5 | 2970.4 | 3035.1 | 3178.9 | 3450.0 | 3907.9 | 4503.4 | 5024.1 | 5432.4 |
| 38° | 2943.4 | 2982.3 | 2961.4 | 2997.3 | 3062.0 | 3202.9 | 3478.2 | 3954.8 | 4542.2 | 5038.0 | 5421.9 |
| 39° | 2964.6 | 3011.5 | 2982.2 | 3026.2 | 3090.8 | 3228.2 | 3504.1 | 3996.6 | 4570.1 | 5046.8 | 5411.0 |
| 40° | 2987.1 | 3040.6 | 3004.1 | 3055.1 | 3121.0 | 3253.6 | 3531.8 | 4033.5 | 4589.7 | 5055.9 | 5408.4 |
| 41° | 3010.1 | 3067.3 | 3027.7 | 3084.2 | 3153.1 | 3280.9 | 3558.5 | 4067.2 | 4608.0 | 5069.4 | 5416.7 |
| 42° | 3033.6 | 3094.4 | 3052.7 | 3112.7 | 3187.3 | 3309.5 | 3587.9 | 4098.5 | 4632.8 | 5087.3 | 5433.7 |
| 43° | 3057.7 | 3120.1 | 3078.3 | 3140.5 | 3221.8 | 3339.3 | 3621.3 | 4130.3 | 4666.4 | 5109.1 | 5453.3 |
| 44° | 3082.2 | 3145.6 | 3105.0 | 3168.7 | 3255.4 | 3373.2 | 3656.6 | 4161.2 | 4703.4 | 5136.5 | 5471.6 |

REPORT NUMBER: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

|     | 165°   | 180°   | 195°   | 210°   | 225°   | 240°   | 255°   | 270°   | 285°   | 300°   | 315°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 3107.9 | 3170.8 | 3131.8 | 3196.5 | 3289.0 | 3408.6 | 3692.0 | 4191.0 | 4738.7 | 5167.9 | 5487.3 |
| 46° | 3134.8 | 3194.9 | 3160.6 | 3224.7 | 3321.9 | 3446.0 | 3726.2 | 4221.0 | 4773.1 | 5201.9 | 5500.3 |
| 47° | 3164.2 | 3220.4 | 3190.6 | 3252.6 | 3354.8 | 3485.6 | 3763.2 | 4251.9 | 4807.6 | 5235.4 | 5509.5 |
| 48° | 3196.5 | 3242.2 | 3222.6 | 3280.5 | 3386.7 | 3526.7 | 3804.3 | 4279.1 | 4844.6 | 5265.9 | 5515.6 |
| 49° | 3230.5 | 3264.3 | 3256.0 | 3310.2 | 3419.3 | 3566.5 | 3845.4 | 4303.8 | 4881.6 | 5293.8 | 5520.4 |
| 50° | 3264.0 | 3286.1 | 3291.2 | 3341.9 | 3452.4 | 3605.3 | 3886.4 | 4326.1 | 4915.6 | 5318.2 | 5522.6 |
| 51° | 3298.6 | 3309.8 | 3325.9 | 3375.2 | 3485.9 | 3642.1 | 3926.7 | 4346.8 | 4947.9 | 5340.4 | 5522.6 |
| 52° | 3334.0 | 3332.0 | 3362.1 | 3411.0 | 3521.4 | 3678.7 | 3965.5 | 4368.4 | 4976.6 | 5360.5 | 5520.8 |
| 53° | 3369.5 | 3352.7 | 3397.7 | 3448.6 | 3557.8 | 3716.7 | 4001.0 | 4387.5 | 5002.3 | 5378.3 | 5517.8 |
| 54° | 3404.7 | 3372.7 | 3431.9 | 3487.2 | 3596.3 | 3755.5 | 4033.3 | 4405.8 | 5024.1 | 5393.1 | 5511.2 |
| 55° | 3436.5 | 3393.4 | 3462.5 | 3527.9 | 3637.9 | 3796.2 | 4062.8 | 4420.7 | 5042.0 | 5403.2 | 5501.6 |
| 56° | 3464.0 | 3413.7 | 3489.5 | 3568.4 | 3681.8 | 3837.8 | 4089.8 | 4434.2 | 5055.0 | 5411.4 | 5486.4 |
| 57° | 3487.0 | 3433.6 | 3514.8 | 3609.7 | 3728.5 | 3878.5 | 4114.4 | 4446.4 | 5061.1 | 5414.5 | 5466.3 |
| 58° | 3509.4 | 3452.8 | 3537.5 | 3646.5 | 3778.2 | 3919.2 | 4136.8 | 4454.2 | 5064.6 | 5410.1 | 5436.7 |
| 59° | 3530.5 | 3471.8 | 3558.5 | 3680.6 | 3829.3 | 3959.7 | 4155.5 | 4456.4 | 5062.4 | 5400.6 | 5404.5 |
| 60° | 3550.3 | 3488.3 | 3576.7 | 3715.5 | 3881.9 | 3998.9 | 4169.6 | 4453.8 | 5051.6 | 5387.0 | 5365.7 |
| 61° | 3566.6 | 3503.5 | 3592.0 | 3753.9 | 3935.3 | 4037.8 | 4178.6 | 4450.7 | 5033.7 | 5368.3 | 5325.2 |
| 62° | 3579.7 | 3519.4 | 3606.2 | 3792.5 | 3990.0 | 4078.5 | 4182.9 | 4444.2 | 5010.2 | 5340.0 | 5277.3 |
| 63° | 3595.0 | 3534.1 | 3621.5 | 3826.1 | 4042.9 | 4118.4 | 4184.5 | 4428.5 | 4978.8 | 5303.0 | 5218.9 |
| 64° | 3608.9 | 3549.3 | 3637.8 | 3857.2 | 4098.0 | 4155.9 | 4180.5 | 4404.5 | 4938.7 | 5256.3 | 5145.7 |
| 65° | 3621.6 | 3552.1 | 3649.0 | 3889.0 | 4151.6 | 4191.7 | 4169.7 | 4363.6 | 4883.4 | 5198.4 | 5058.1 |
| 66° | 3628.7 | 3533.5 | 3648.2 | 3922.2 | 4201.1 | 4223.6 | 4145.4 | 4298.9 | 4808.9 | 5126.5 | 4956.1 |
| 67° | 3625.1 | 3512.6 | 3639.2 | 3949.7 | 4248.6 | 4243.2 | 4101.3 | 4211.9 | 4710.0 | 5043.7 | 4845.0 |
| 68° | 3614.6 | 3475.7 | 3625.8 | 3972.0 | 4289.1 | 4245.6 | 4032.1 | 4070.4 | 4583.2 | 4940.5 | 4723.5 |
| 69° | 3582.5 | 3379.8 | 3587.8 | 3983.7 | 4322.8 | 4232.1 | 3923.6 | 3848.3 | 4421.5 | 4815.0 | 4593.6 |
| 70° | 3511.7 | 3217.5 | 3504.8 | 3984.6 | 4347.2 | 4199.8 | 3748.1 | 3535.0 | 4199.8 | 4665.5 | 4450.3 |
| 71° | 3385.6 | 2971.0 | 3363.3 | 3969.8 | 4359.2 | 4137.5 | 3500.7 | 3172.0 | 3907.4 | 4483.8 | 4299.3 |
| 72° | 3181.2 | 2668.3 | 3142.6 | 3933.9 | 4348.4 | 4047.0 | 3229.2 | 2848.0 | 3578.6 | 4282.4 | 4147.1 |
| 73° | 2897.9 | 2357.6 | 2870.5 | 3876.4 | 4293.6 | 3910.4 | 2976.3 | 2556.4 | 3226.1 | 4035.3 | 3988.1 |
| 74° | 2589.2 | 2046.4 | 2560.6 | 3766.4 | 4188.6 | 3748.1 | 2734.3 | 2224.1 | 2880.0 | 3748.6 | 3816.6 |
| 75° | 2268.5 | 1656.9 | 2228.2 | 3591.2 | 4038.1 | 3578.1 | 2400.5 | 1710.9 | 2490.3 | 3428.6 | 3611.2 |
| 76° | 1925.2 | 1247.4 | 1881.0 | 3383.1 | 3809.4 | 3394.9 | 1905.0 | 1067.2 | 1997.7 | 3091.7 | 3368.1 |
| 77° | 1537.9 | 976.5  | 1517.6 | 3140.3 | 3462.1 | 3149.1 | 1348.2 | 499.0  | 1379.3 | 2704.7 | 3029.7 |
| 78° | 1283.9 | 1024.1 | 1302.5 | 2828.0 | 2989.1 | 2760.0 | 791.5  | 364.5  | 749.4  | 2237.4 | 2557.5 |
| 79° | 1327.9 | 1291.6 | 1400.6 | 2422.0 | 2466.3 | 2167.5 | 236.0  | 243.6  | 333.2  | 1697.3 | 2002.1 |
| 80° | 1595.9 | 1474.2 | 1659.9 | 2003.0 | 1953.0 | 1531.3 | 153.9  | 122.7  | 236.7  | 1069.9 | 1386.4 |
| 81° | 1688.7 | 1143.3 | 1655.5 | 1634.1 | 1517.2 | 895.1  | 126.6  | 105.4  | 141.2  | 509.8  | 767.1  |
| 82° | 1277.1 | 812.4  | 1242.5 | 1482.1 | 1207.5 | 271.3  | 108.6  | 91.8   | 116.9  | 372.2  | 553.4  |
| 83° | 865.6  | 482.8  | 829.4  | 1168.1 | 897.8  | 182.1  | 90.6   | 78.6   | 98.9   | 241.4  | 351.0  |
| 84° | 455.9  | 257.6  | 418.4  | 854.2  | 589.5  | 149.4  | 72.7   | 65.3   | 82.1   | 110.7  | 148.5  |
| 85° | 241.0  | 155.3  | 233.1  | 540.2  | 343.2  | 121.6  | 57.9   | 51.3   | 64.0   | 82.8   | 125.0  |
| 86° | 193.0  | 54.4   | 186.7  | 300.5  | 241.6  | 93.8   | 44.6   | 38.6   | 48.0   | 63.2   | 100.7  |
| 87° | 145.0  | 36.7   | 140.3  | 240.6  | 140.1  | 66.1   | 32.3   | 25.8   | 34.4   | 46.3   | 71.5   |
| 88° | 97.1   | 19.0   | 94.0   | 180.7  | 39.4   | 50.2   | 22.3   | 13.1   | 20.9   | 29.5   | 39.1   |
| 89° | 49.1   | 1.7    | 47.6   | 120.7  | 20.8   | 34.2   | 12.3   | 4.3    | 7.4    | 22.4   | 29.4   |

REPORT NUMBER: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040  
CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

|     | 330°   | 345°   | 360°   |
|-----|--------|--------|--------|
| 0°  | 2785.9 | 2785.9 | 2785.9 |
| 1°  | 2819.1 | 2824.3 | 2826.3 |
| 2°  | 2861.0 | 2870.4 | 2873.2 |
| 3°  | 2907.8 | 2921.9 | 2926.2 |
| 4°  | 2959.4 | 2979.3 | 2985.7 |
| 5°  | 3015.5 | 3042.6 | 3051.2 |
| 6°  | 3077.4 | 3112.3 | 3123.8 |
| 7°  | 3144.2 | 3187.9 | 3202.3 |
| 8°  | 3215.5 | 3268.5 | 3285.8 |
| 9°  | 3293.1 | 3356.8 | 3378.2 |
| 10° | 3376.9 | 3453.7 | 3478.1 |
| 11° | 3467.1 | 3557.2 | 3586.3 |
| 12° | 3563.3 | 3667.1 | 3702.6 |
| 13° | 3668.0 | 3786.4 | 3828.1 |
| 14° | 3775.3 | 3911.5 | 3960.5 |
| 15° | 3888.0 | 4041.9 | 4098.2 |
| 16° | 4007.2 | 4177.8 | 4239.9 |
| 17° | 4130.4 | 4313.0 | 4379.7 |
| 18° | 4252.3 | 4450.3 | 4517.8 |
| 19° | 4370.6 | 4580.1 | 4652.5 |
| 20° | 4486.0 | 4705.2 | 4783.6 |
| 21° | 4598.0 | 4823.2 | 4906.5 |
| 22° | 4704.7 | 4936.5 | 5022.8 |
| 23° | 4806.7 | 5048.5 | 5130.4 |
| 24° | 4906.5 | 5156.1 | 5234.6 |
| 25° | 5005.8 | 5259.8 | 5333.9 |
| 26° | 5104.3 | 5354.4 | 5418.0 |
| 27° | 5199.7 | 5437.6 | 5495.1 |
| 28° | 5285.1 | 5509.9 | 5564.4 |
| 29° | 5366.1 | 5584.9 | 5638.4 |
| 30° | 5448.0 | 5667.2 | 5726.5 |
| 31° | 5529.5 | 5743.5 | 5800.1 |
| 32° | 5606.2 | 5799.2 | 5855.0 |
| 33° | 5661.5 | 5826.7 | 5876.3 |
| 34° | 5690.7 | 5821.4 | 5864.1 |
| 35° | 5691.2 | 5787.0 | 5822.3 |
| 36° | 5672.0 | 5734.3 | 5767.0 |
| 37° | 5636.3 | 5682.9 | 5720.4 |
| 38° | 5604.0 | 5648.9 | 5698.6 |
| 39° | 5587.9 | 5634.1 | 5690.7 |
| 40° | 5582.2 | 5626.7 | 5688.1 |
| 41° | 5580.9 | 5623.2 | 5685.9 |
| 42° | 5580.9 | 5619.3 | 5679.4 |
| 43° | 5581.4 | 5614.5 | 5666.8 |
| 44° | 5581.4 | 5606.2 | 5646.7 |

REPORT NUMBER: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

|     | 330°   | 345°   | 360°   |
|-----|--------|--------|--------|
| 45° | 5580.1 | 5591.8 | 5620.2 |
| 46° | 5577.5 | 5572.7 | 5587.5 |
| 47° | 5571.8 | 5551.3 | 5552.2 |
| 48° | 5563.5 | 5528.2 | 5514.7 |
| 49° | 5549.1 | 5504.3 | 5475.9 |
| 50° | 5531.7 | 5481.2 | 5434.1 |
| 51° | 5509.5 | 5454.1 | 5386.6 |
| 52° | 5483.8 | 5420.6 | 5333.5 |
| 53° | 5456.8 | 5380.5 | 5274.6 |
| 54° | 5428.9 | 5329.1 | 5208.4 |
| 55° | 5397.1 | 5269.0 | 5134.8 |
| 56° | 5358.7 | 5199.7 | 5051.1 |
| 57° | 5311.2 | 5119.1 | 4956.6 |
| 58° | 5252.9 | 5026.3 | 4851.6 |
| 59° | 5188.4 | 4920.8 | 4739.6 |
| 60° | 5114.3 | 4805.8 | 4605.4 |
| 61° | 5028.0 | 4674.7 | 4439.0 |
| 62° | 4933.9 | 4517.4 | 4240.9 |
| 63° | 4834.6 | 4333.8 | 4018.6 |
| 64° | 4724.3 | 4133.5 | 3798.6 |
| 65° | 4601.0 | 3946.8 | 3607.5 |
| 66° | 4468.1 | 3786.0 | 3455.9 |
| 67° | 4336.6 | 3649.2 | 3358.9 |
| 68° | 4205.9 | 3545.8 | 3309.2 |
| 69° | 4092.3 | 3465.3 | 3266.0 |
| 70° | 3992.8 | 3394.2 | 3143.9 |
| 71° | 3889.8 | 3280.0 | 2901.3 |
| 72° | 3772.2 | 3077.9 | 2577.9 |
| 73° | 3660.7 | 2798.1 | 2254.1 |
| 74° | 3518.7 | 2476.6 | 1954.4 |
| 75° | 3307.8 | 2127.9 | 1518.8 |
| 76° | 3028.7 | 1703.1 | 928.9  |
| 77° | 2706.0 | 1139.9 | 411.1  |
| 78° | 2293.7 | 572.7  | 309.0  |
| 79° | 1722.8 | 413.7  | 214.0  |
| 80° | 1000.6 | 269.8  | 119.0  |
| 81° | 478.5  | 125.9  | 103.7  |
| 82° | 356.9  | 104.5  | 91.3   |
| 83° | 238.4  | 91.2   | 79.2   |
| 84° | 119.8  | 76.4   | 67.0   |
| 85° | 87.5   | 61.4   | 54.5   |
| 86° | 65.7   | 47.7   | 40.9   |
| 87° | 48.2   | 35.3   | 29.6   |
| 88° | 38.7   | 22.9   | 18.4   |
| 89° | 29.4   | 10.5   | 7.2    |

REPORT NUMBER: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-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: P1445040

CATALOG NUMBER: XAS300-SFPM (3000K-120W-T4)

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)