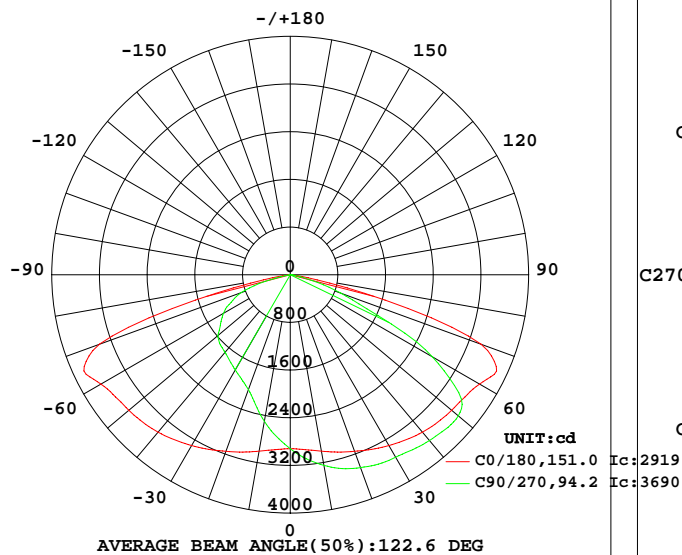
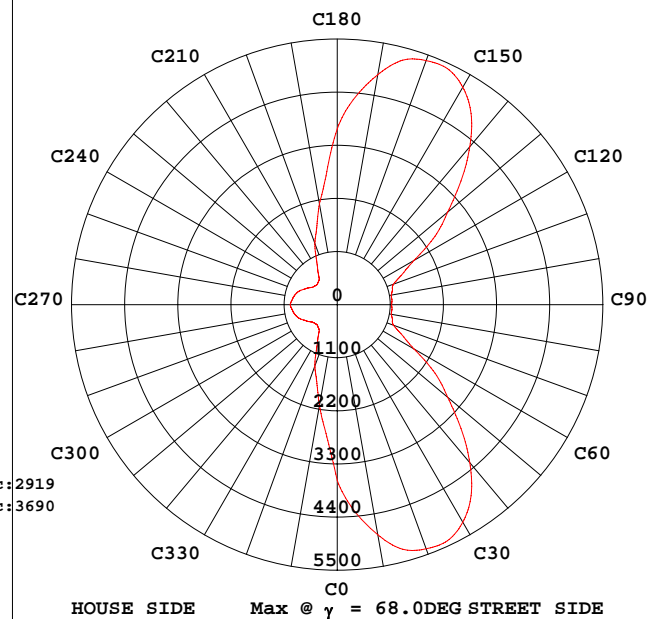


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.96 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	5395	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	66.0
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	12572	η house_up(%)	0.0
NOMINAL FLUX(lm)	12571.6	MAXIMUM @(C,γ )	155,68.0	η house_down(%)	34.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.679

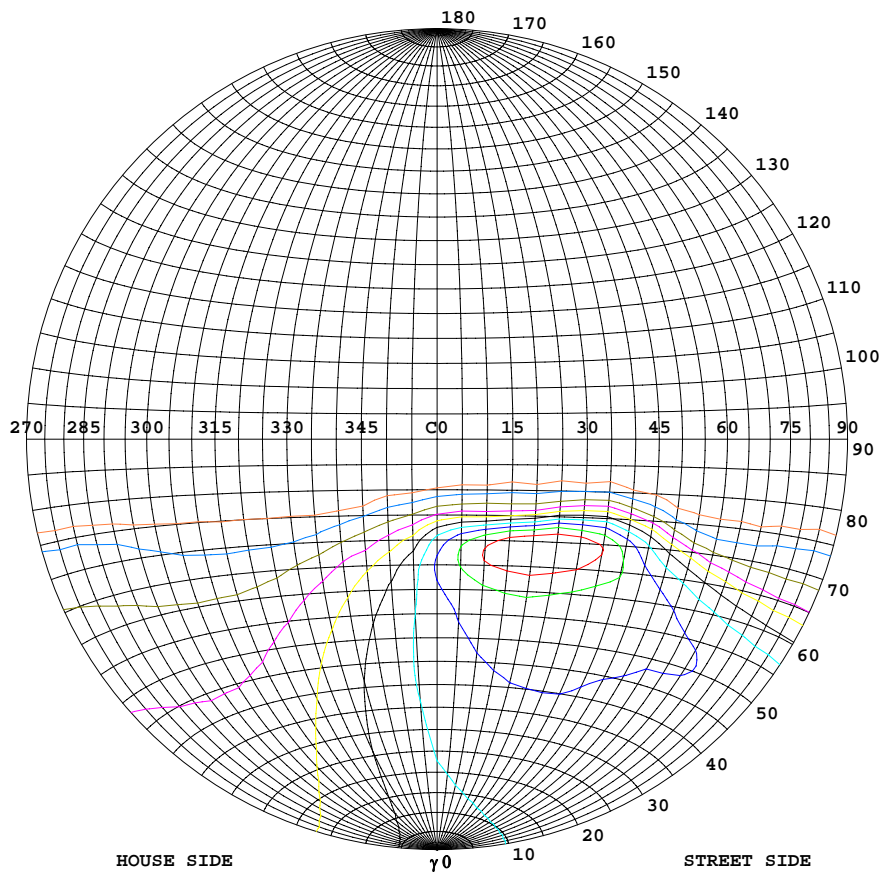
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-06-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



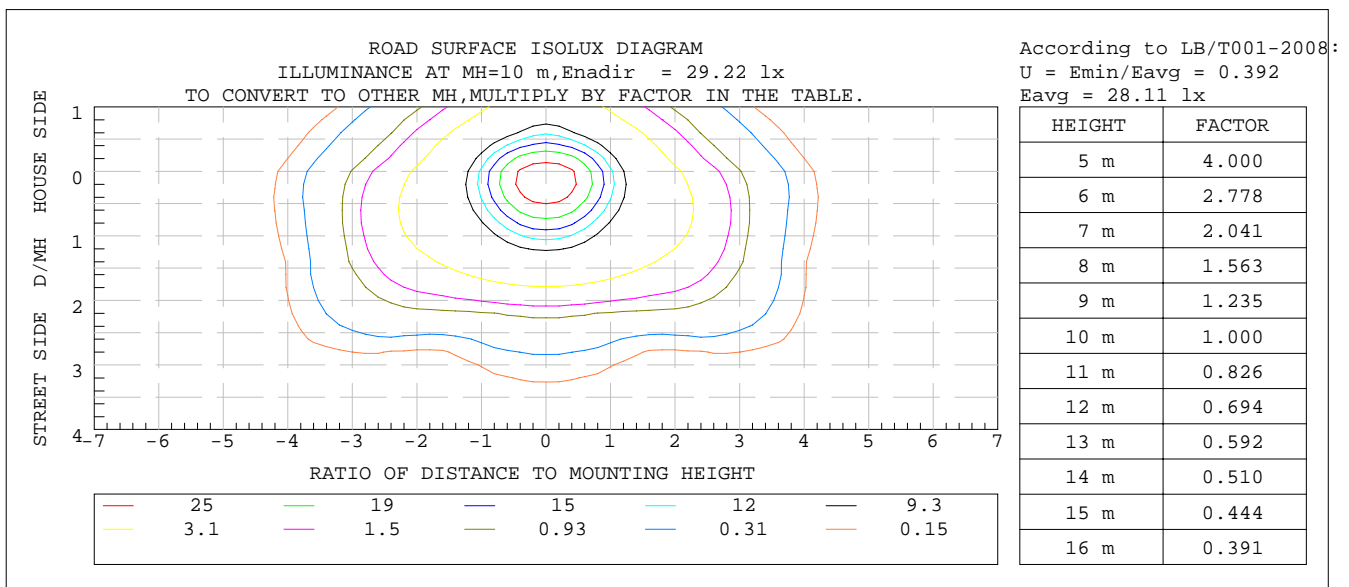
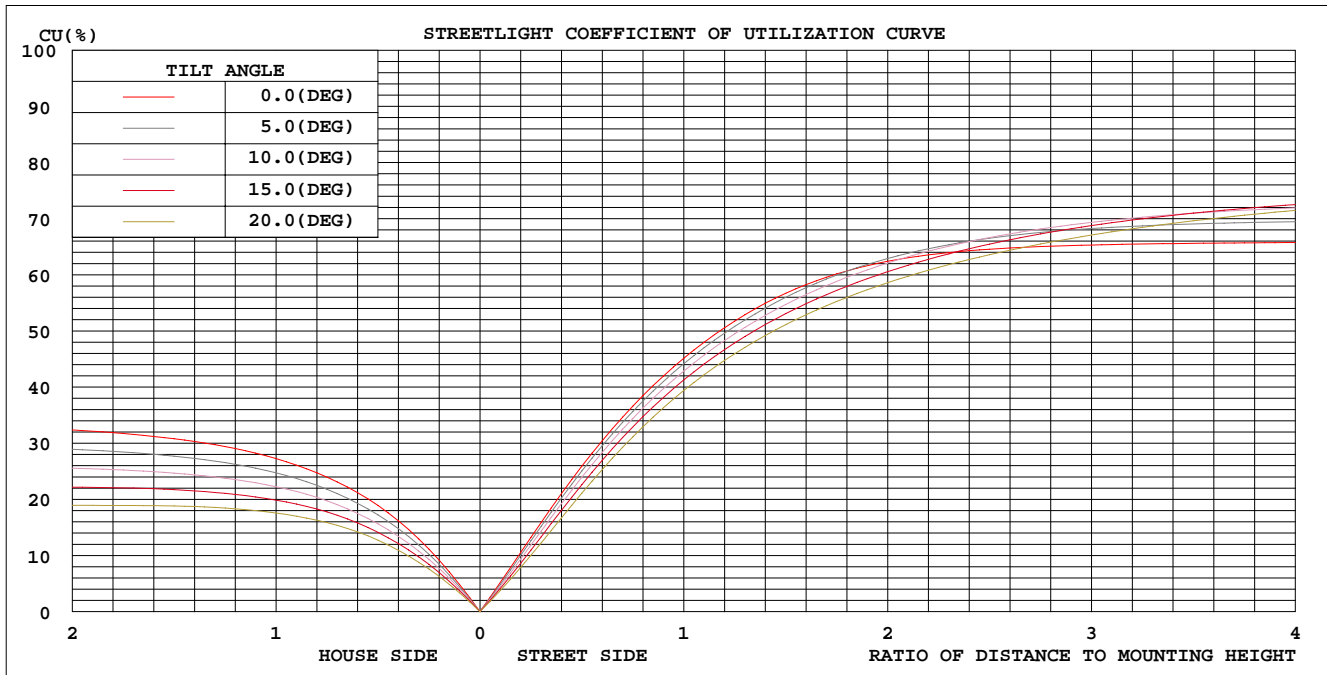
## Classification:

IES:Type III - Short  
 CIE:Broad - Intermediate  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:43.15cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:43.15cd/klm  
 NRB 5101:Semi limited[14.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5395
90%	4856
80%	4316
70%	3777
60%	3237
50%	2698
40%	2158
30%	1619
20%	1079
10%	540
5%	270

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-06-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

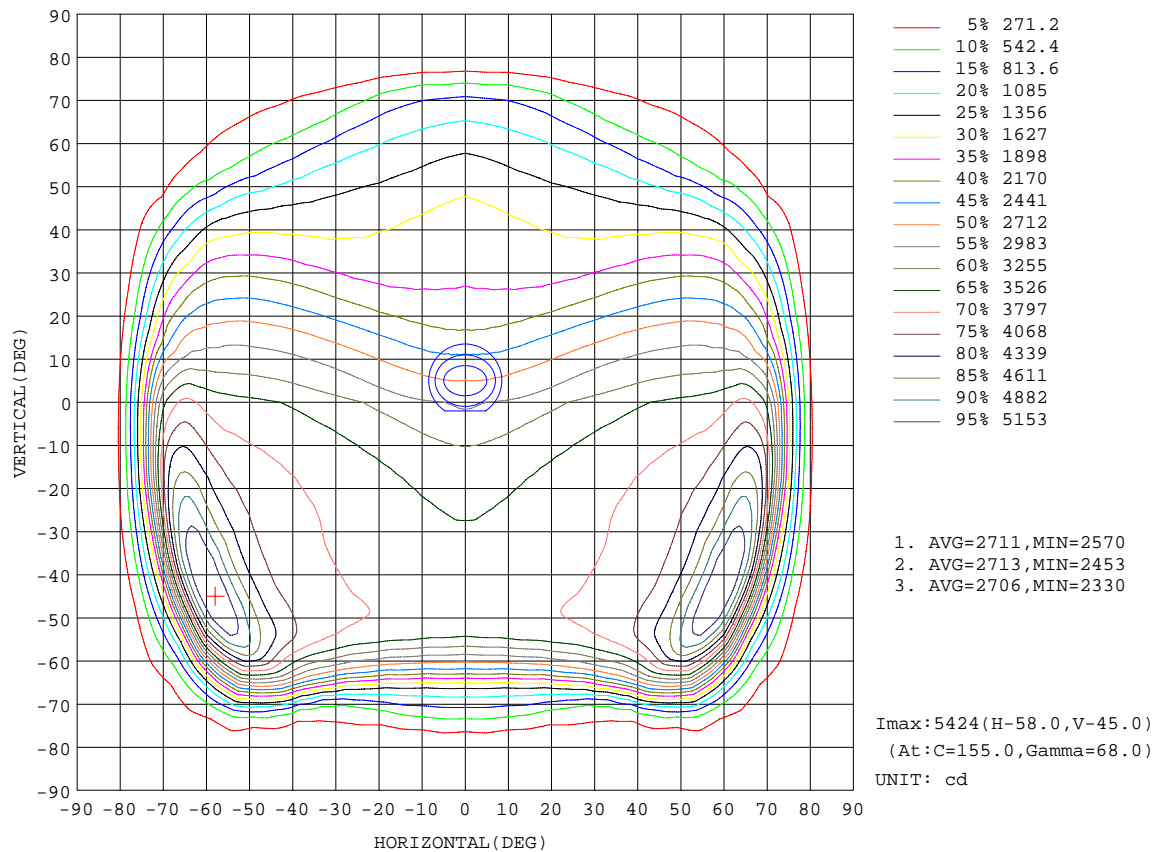
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	3006	3207	3247	3207	3006	2658	2499	2658	0- 10	279.6	279.6	2.22,2.22
20	3153	3461	3443	3461	3153	2409	2053	2409	10- 20	833.3	1113	8.85,8.85
30	3309	3639	3536	3639	3309	2131	1846	2131	20- 30	1363	2476	19.7,19.7
40	3449	3739	3631	3739	3449	1846	1703	1846	30- 40	1848	4324	34.4,34.4
50	3537	3821	3682	3821	3537	1568	1585	1568	40- 50	2259	6582	52.4,52.4
60	3669	4001	2750	4001	3669	1155	1295	1155	50- 60	2519	9101	72.4,72.4
70	3404	3321	900.3	3321	3404	488.6	874.8	488.6	60- 70	2389	11491	91.4,91.4
80	306.0	245.8	112.8	245.8	306.0	78.53	62.20	78.53	70- 80	1031	12521	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	50.26	12572	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12572	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12572	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12572	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12572	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12572	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12572	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12572	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12572	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12572	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

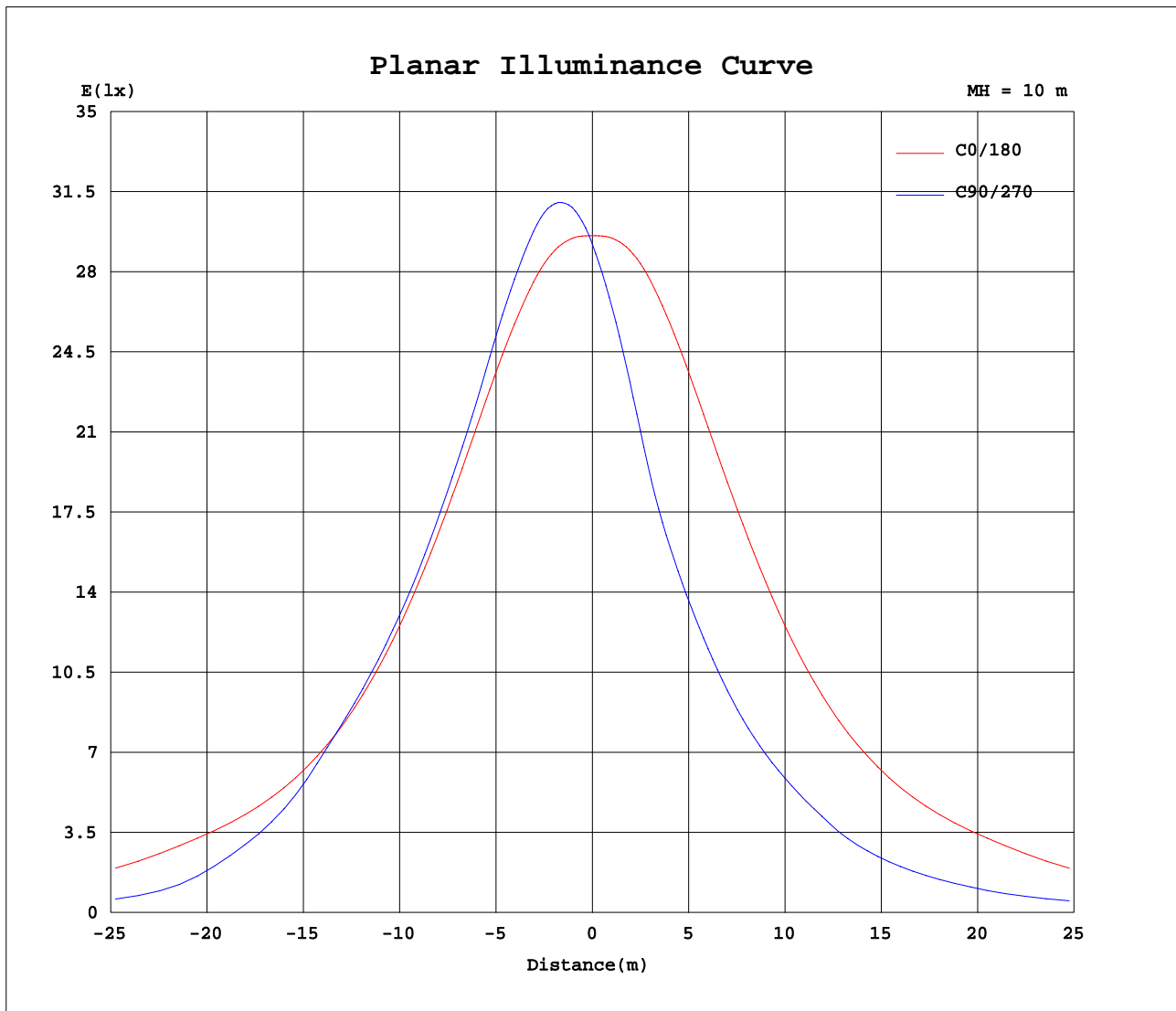
Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



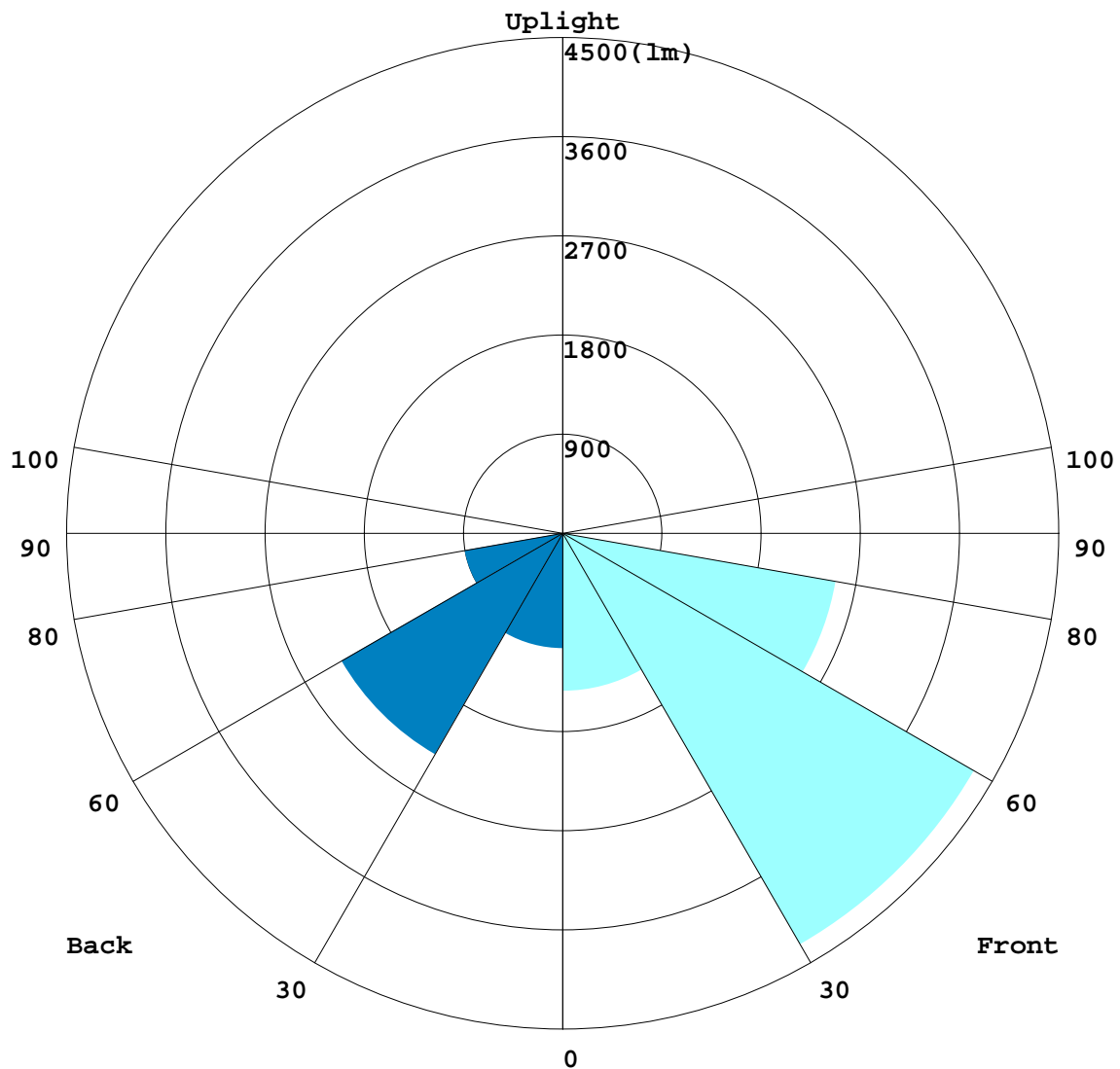
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1430.9	11.4
FM - Front-Medium(30-60)	4308.7	34.3
FH - Front-High(60-80)	2516.9	20.0
FVH - Front-Very High(80-90)	37.111	0.3
Total Forward Light	8293.6	66.0

BL - Back-Low(0-30)	1044.7	8.3
BM - Back-Medium(30-60)	2317.2	18.4
BH - Back-High(60-80)	902.99	7.2
BVH - Back-Very High(80-90)	13.146	0.1
Total Back Light	4278	34.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4278	0	4278
Street Side	8293.6	0	8293.6

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

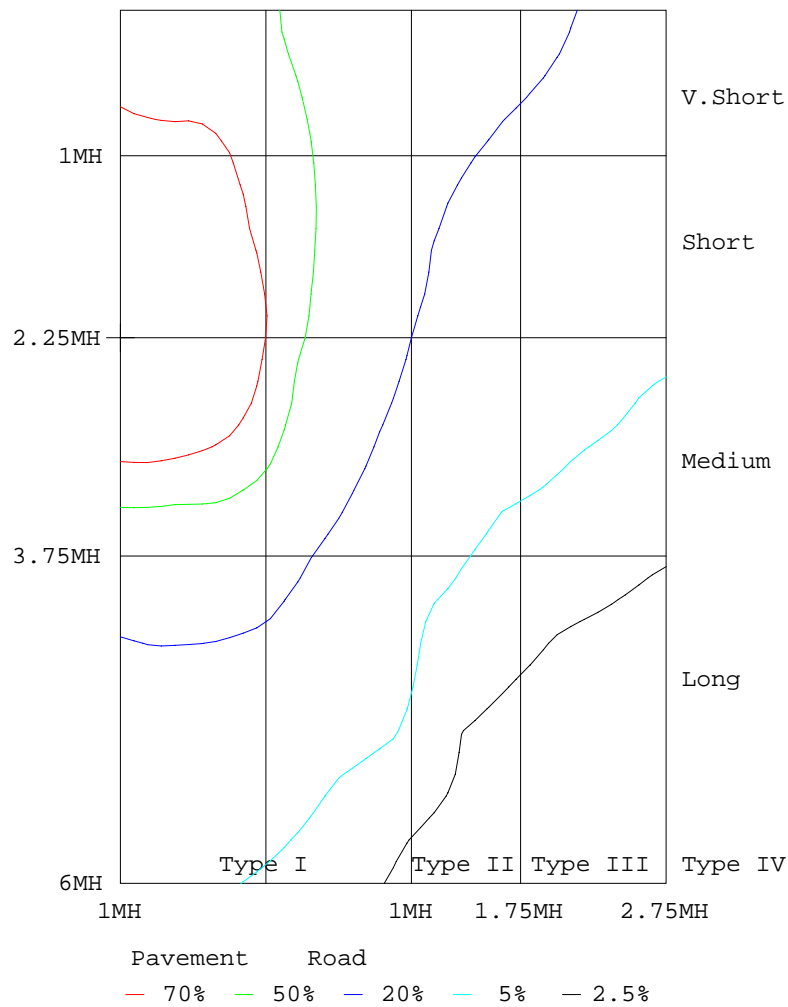
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919
5	2947	2961	2978	2992	3007	3019	3031	3043	3052	3063	3069	3077	3082	3089	3092	3096	3097	3100	3099
10	3006	3034	3066	3092	3117	3140	3159	3177	3192	3207	3217	3227	3232	3240	3241	3246	3245	3250	3247
15	3081	3124	3166	3202	3237	3265	3290	3312	3329	3345	3355	3365	3365	3372	3368	3372	3367	3373	3368
20	3153	3210	3266	3310	3350	3383	3411	3434	3447	3461	3464	3468	3462	3463	3454	3455	3444	3448	3443
25	3232	3299	3363	3414	3459	3493	3518	3537	3546	3555	3552	3555	3546	3540	3527	3522	3507	3511	3506
30	3309	3384	3459	3519	3564	3596	3615	3627	3630	3639	3636	3635	3618	3607	3580	3567	3545	3543	3536
35	3380	3469	3551	3618	3664	3692	3701	3710	3706	3708	3697	3688	3666	3657	3635	3620	3597	3591	3582
40	3449	3549	3633	3695	3733	3754	3758	3763	3748	3739	3726	3731	3722	3718	3698	3681	3653	3646	3631
45	3498	3616	3711	3773	3802	3814	3812	3805	3782	3774	3757	3754	3749	3750	3735	3725	3694	3685	3674
50	3537	3680	3792	3867	3896	3896	3882	3863	3838	3821	3801	3791	3779	3783	3761	3748	3709	3698	3682
55	3577	3759	3921	4012	4045	4027	3989	3956	3915	3888	3856	3828	3779	3749	3674	3619	3525	3503	3452
60	3669	3951	4192	4329	4396	4332	4248	4165	4092	4001	3888	3739	3504	3310	3082	2969	2831	2785	2750
65	3819	4293	4739	4987	5113	5014	4848	4588	4327	3947	3504	3126	2711	2407	2053	1888	1698	1681	1623
70	3404	4101	4594	5009	5159	5251	5138	4786	4095	3321	2505	1772	1199	990	911	924	892	915	900
75	1647	1941	1945	2102	2335	2889	2959	2881	2174	1439	624	401	342	337	309	349	369	399	386
80	306	372	393	447	418	515	542	539	330	246	130	117	110	111	107	108	109	111	113
85	33.4	38.0	36.9	42.2	42.0	47.7	46.7	48.7	39.8	33.7	27.4	26.6	24.6	25.9	24.6	26.5	25.9	29.0	28.3
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919
5	3100	3097	3096	3092	3089	3082	3077	3069	3063	3052	3043	3031	3019	3007	2992	2978	2961	2947	2925
10	3250	3245	3246	3241	3240	3232	3227	3217	3207	3192	3177	3159	3140	3117	3092	3066	3034	3006	2963
15	3373	3367	3372	3368	3372	3365	3365	3355	3345	3329	3312	3290	3265	3237	3202	3166	3124	3081	3019
20	3448	3444	3455	3454	3463	3462	3468	3464	3461	3447	3434	3411	3383	3350	3310	3266	3210	3153	3071
25	3511	3507	3522	3527	3540	3546	3555	3552	3555	3546	3537	3518	3493	3459	3414	3363	3299	3232	3134
30	3543	3545	3567	3580	3607	3618	3635	3636	3639	3630	3627	3615	3596	3564	3519	3459	3384	3309	3193
35	3591	3597	3620	3635	3657	3666	3688	3697	3708	3706	3710	3701	3692	3664	3618	3551	3469	3380	3244
40	3646	3653	3681	3698	3718	3722	3731	3726	3739	3748	3763	3758	3754	3733	3695	3633	3549	3449	3284
45	3685	3694	3725	3735	3750	3749	3754	3757	3774	3782	3805	3812	3814	3802	3773	3711	3616	3498	3298
50	3698	3709	3748	3761	3783	3779	3791	3801	3821	3838	3863	3882	3896	3896	3867	3792	3680	3537	3292
55	3503	3525	3619	3674	3749	3779	3828	3856	3888	3915	3956	3989	4027	4045	4012	3921	3759	3577	3258
60	2785	2831	2969	3082	3310	3504	3739	3888	4001	4092	4165	4248	4332	4396	4329	4192	3951	3669	3195
65	1681	1698	1888	2053	2407	2711	3126	3504	3947	4327	4588	4848	5014	5113	4987	4739	4293	3819	3019
70	915	892	924	911	990	1199	1772	2505	3321	4095	4786	5138	5251	5159	5009	4594	4101	3404	2400
75	399	369	349	309	337	342	401	624	1439	2174	2881	2959	2889	2335	2102	1945	1941	1647	1119
80	111	109	108	107	111	110	117	130	246	330	539	542	515	418	447	393	372	306	214
85	29.0	25.9	26.5	24.6	25.9	24.6	26.6	27.4	33.7	39.8	48.7	46.7	47.7	42.0	42.2	36.9	38.0	33.4	31.7
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919
5	2906	2889	2869	2852	2834	2817	2800	2786	2772	2759	2748	2737	2732	2723	2722	2717	2719	2717	2722
10	2925	2887	2847	2809	2768	2731	2700	2658	2628	2595	2572	2544	2531	2511	2505	2496	2499	2496	2505
15	2959	2902	2838	2777	2714	2651	2592	2532	2479	2423	2382	2338	2311	2279	2266	2251	2255	2251	2266
20	2993	2916	2830	2748	2664	2576	2493	2409	2334	2261	2205	2152	2117	2083	2067	2054	2053	2054	2067
25	3038	2941	2830	2721	2610	2492	2383	2276	2184	2101	2040	1992	1965	1944	1937	1932	1934	1932	1937
30	3079	2954	2818	2678	2537	2390	2258	2131	2033	1951	1904	1871	1854	1843	1840	1841	1846	1841	1840
35	3106	2954	2786	2612	2437	2267	2120	1987	1892	1825	1787	1768	1760	1757	1758	1761	1767	1761	1758
40	3117	2932	2733	2527	2331	2140	1978	1846	1763	1712	1690	1683	1684	1687	1692	1698	1703	1698	1692
45	3103	2881	2651	2414	2196	1989	1826	1710	1648	1612	1603	1601	1611	1622	1637	1651	1660	1651	1637
50	3056	2793	2528	2266	2031	1822	1672	1568	1517	1489	1490	1492	1510	1527	1550	1573	1585	1573	1550
55	2974	2657	2356	2064	1819	1617	1487	1402	1362	1328	1308	1309	1330	1349	1379	1410	1427	1410	1379
60	2802	2439	2099	1789	1556	1366	1253	1155	1130	1117	1126	1138	1168	1193	1236	1271	1295	1271	1236
65	2485	2056	1715	1400	1167	944	857	813	822	837	890	923	968	1001	1041	1076	1096	1076	1041
70	1827	1362	1053	716	564	509	503	489	494	511	573	640	730	789	833	851	875	851	833
75	817	516	346	290	283	271	273	264	278	277	290	310	355	394	425	407	434	407	425
80	151	113	95.3	86.7	83.4	76.6	78.4	78.5	87.8	84.6	82.5	70.1	66.0	52.2	58.3	55.7	62.2	55.7	58.3
85	30.6	26.5	23.6	20.3	18.6	14.8	13.8	12.5	11.4	8.75	5.16	4.85	5.08	2.88	2.01	0.48	0.53	0.48	2.01
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-06-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.4218A P:89.82W PF:0.9713 Freq:49.99Hz Lamp Flux:12571.6x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-90WiL02-NV-L3-00-4070-T311-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--4

UNIT: cd

C(DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
γ (DEC)																			
0	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919	2919				
5	2723	2732	2737	2748	2759	2772	2786	2800	2817	2834	2852	2869	2889	2906	2925				
10	2511	2531	2544	2572	2595	2628	2658	2700	2731	2768	2809	2847	2887	2925	2963				
15	2279	2311	2338	2382	2423	2479	2532	2592	2651	2714	2777	2838	2902	2959	3019				
20	2083	2117	2152	2205	2261	2334	2409	2493	2576	2664	2748	2830	2916	2993	3071				
25	1944	1965	1992	2040	2101	2184	2276	2383	2492	2610	2721	2830	2941	3038	3134				
30	1843	1854	1871	1904	1951	2033	2131	2258	2390	2537	2678	2818	2954	3079	3193				
35	1757	1760	1768	1787	1825	1892	1987	2120	2267	2437	2612	2786	2954	3106	3244				
40	1687	1684	1683	1690	1712	1763	1846	1978	2140	2331	2527	2733	2932	3117	3284				
45	1622	1611	1601	1603	1612	1648	1710	1826	1989	2196	2414	2651	2881	3103	3298				
50	1527	1510	1492	1490	1489	1517	1568	1672	1822	2031	2266	2528	2793	3056	3292				
55	1349	1330	1309	1308	1328	1362	1402	1487	1617	1819	2064	2356	2657	2974	3258				
60	1193	1168	1138	1126	1117	1130	1155	1253	1366	1556	1789	2099	2439	2802	3195				
65	1001	968	923	890	837	822	813	857	944	1167	1400	1715	2056	2485	3019				
70	789	730	640	573	511	494	489	503	509	564	716	1053	1362	1827	2400				
75	394	355	310	290	277	278	264	273	271	283	290	346	516	817	1119				
80	52.2	66.0	70.1	82.5	84.6	87.8	78.5	78.4	76.6	83.4	86.7	95.3	113	151	214				
85	2.88	5.08	4.85	5.16	8.75	11.4	12.5	13.8	14.8	18.6	20.3	23.6	26.5	30.6	31.7				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-06-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks: