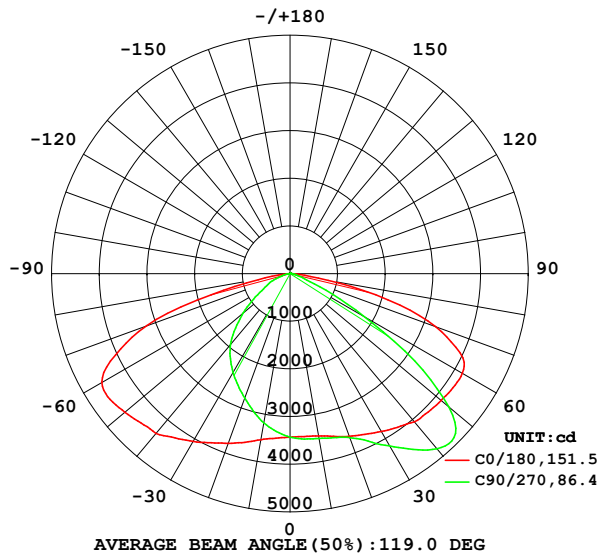
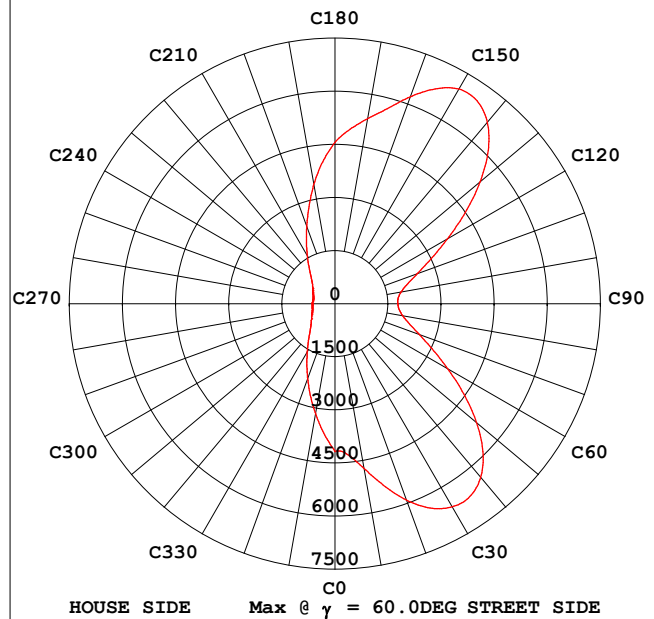


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 156.75 lm/W
MODEL	2835	I <sub>max</sub> (cd)	7005	η street_up (%)	0.0	
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	65.4	
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14131	η house_up (%)	0.0	
NOMINAL FLUX (lm)	14131	MAXIMUM @ (C, γ )	150,60.0	η house_down (%)	34.6	
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m <sup>2</sup> )	0.00100	
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	21.168	

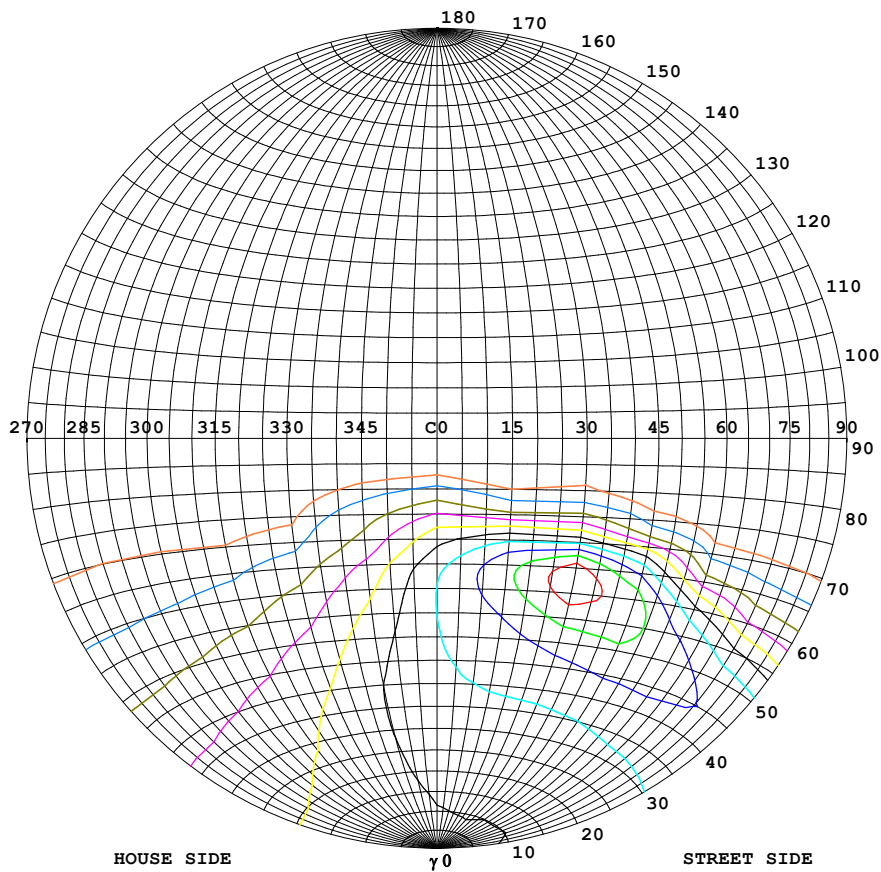
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:



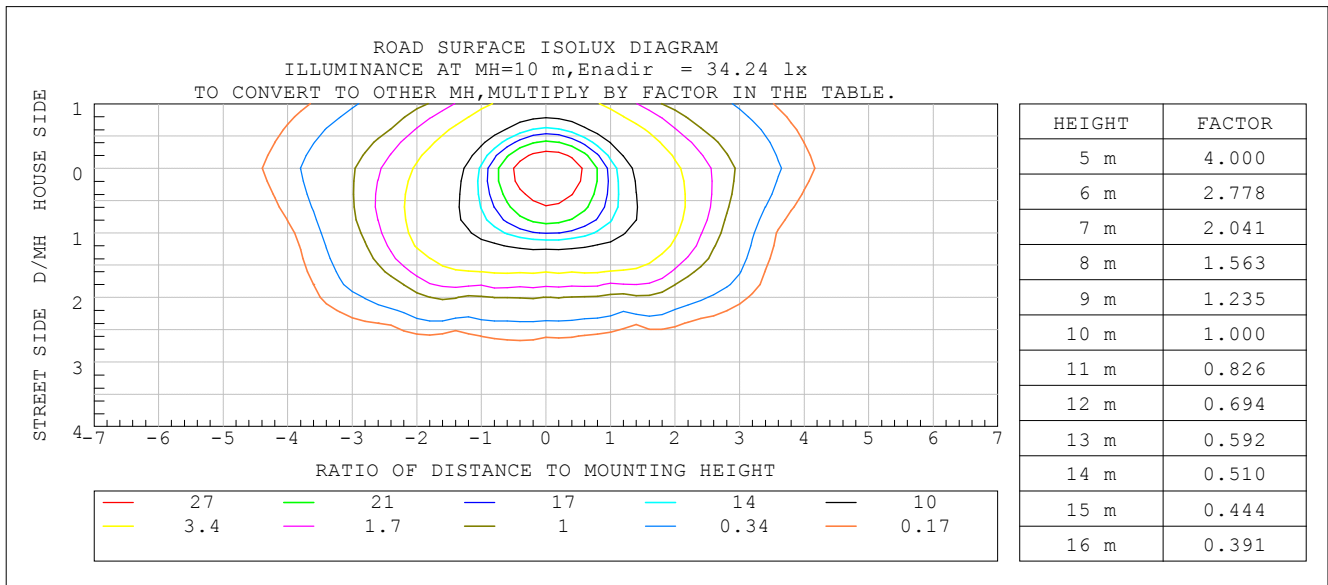
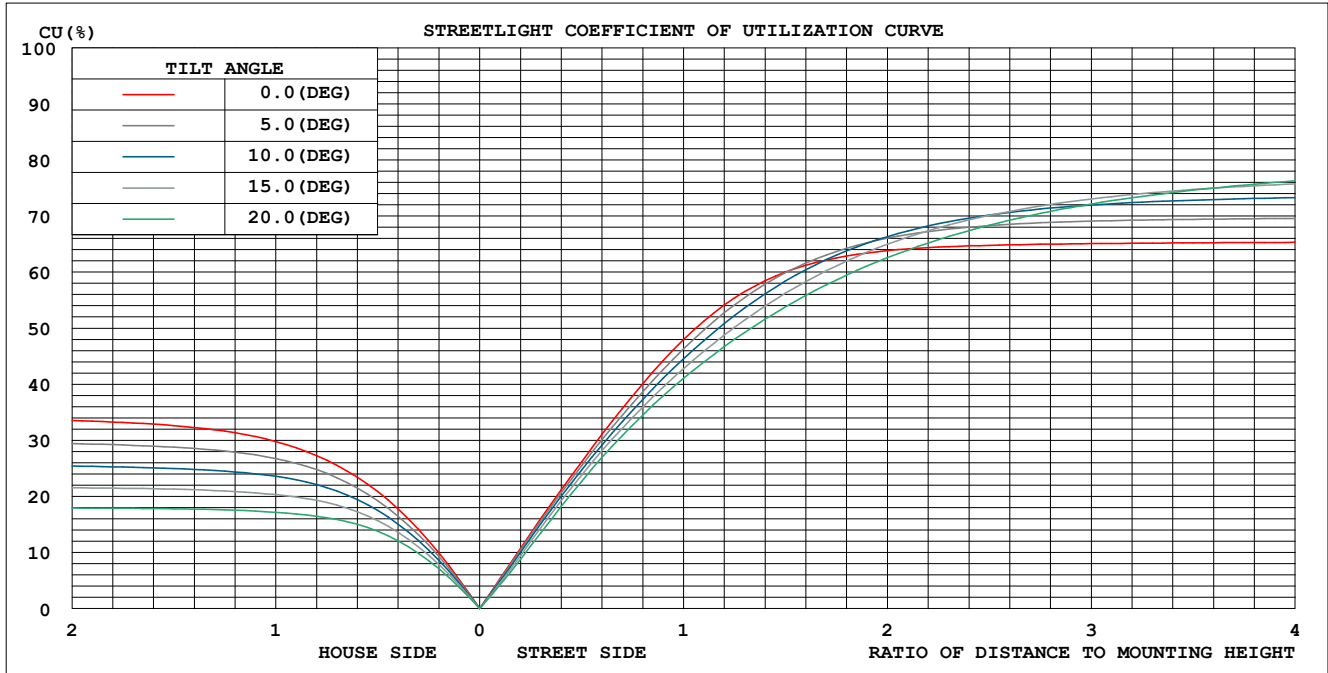
## Classification:

IES:Type II - Short  
CIE:Average - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:57.50cd/klm  
Max.At90:0cd/klm  
Max.80-90:57.50cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7005
90%	6305
80%	5604
70%	4904
60%	4203
50%	3503
40%	2802
30%	2102
20%	1401
10%	701
5%	350

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

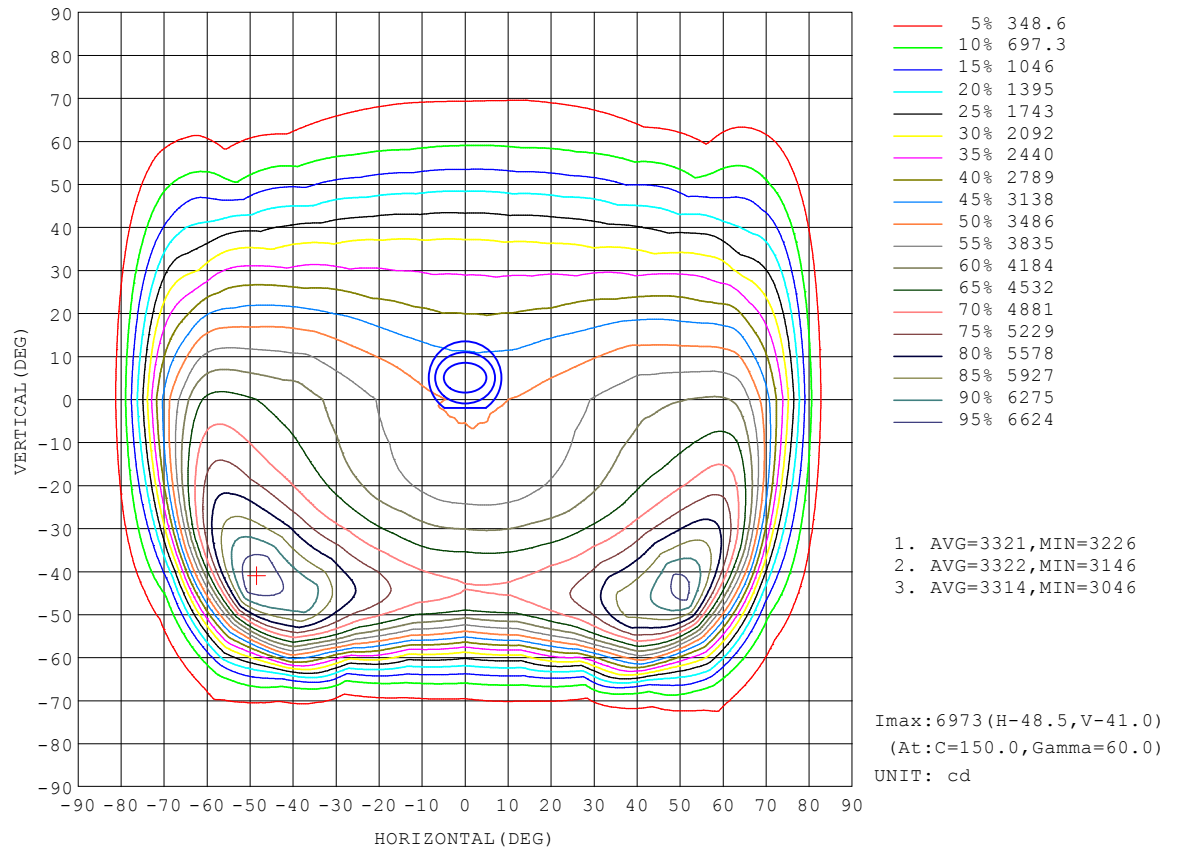
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	3459	3500	3513	3566	3537	3315	3181	3271	0- 10	326.6	326.6	2.31,2.31
20	3630	3633	3663	3789	3787	3144	2783	3058	10- 20	970.5	1297	9.18,9.18
30	3825	3949	4175	4166	4065	2842	2395	2759	20- 30	1607	2904	20.6,20.6
40	4057	4539	4795	4911	4377	2414	1944	2348	30- 40	2256	5160	36.5,36.5
50	4138	5454	4348	5974	4523	1813	1281	1797	40- 50	2838	7998	56.6,56.6
60	4176	5915	1781	6124	4560	928.9	648.0	980.9	50- 60	3038	11037	78.1,78.1
70	3248	2549	326.7	1896	3198	316.3	314.8	362.7	60- 70	2290	13326	94.3,94.3
80	812.5	181.0	103.0	144.6	532.9	70.59	47.07	101.4	70- 80	728.3	14054	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	76.64	14131	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14131	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14131	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14131	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14131	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14131	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14131	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14131	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14131	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14131	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-9-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

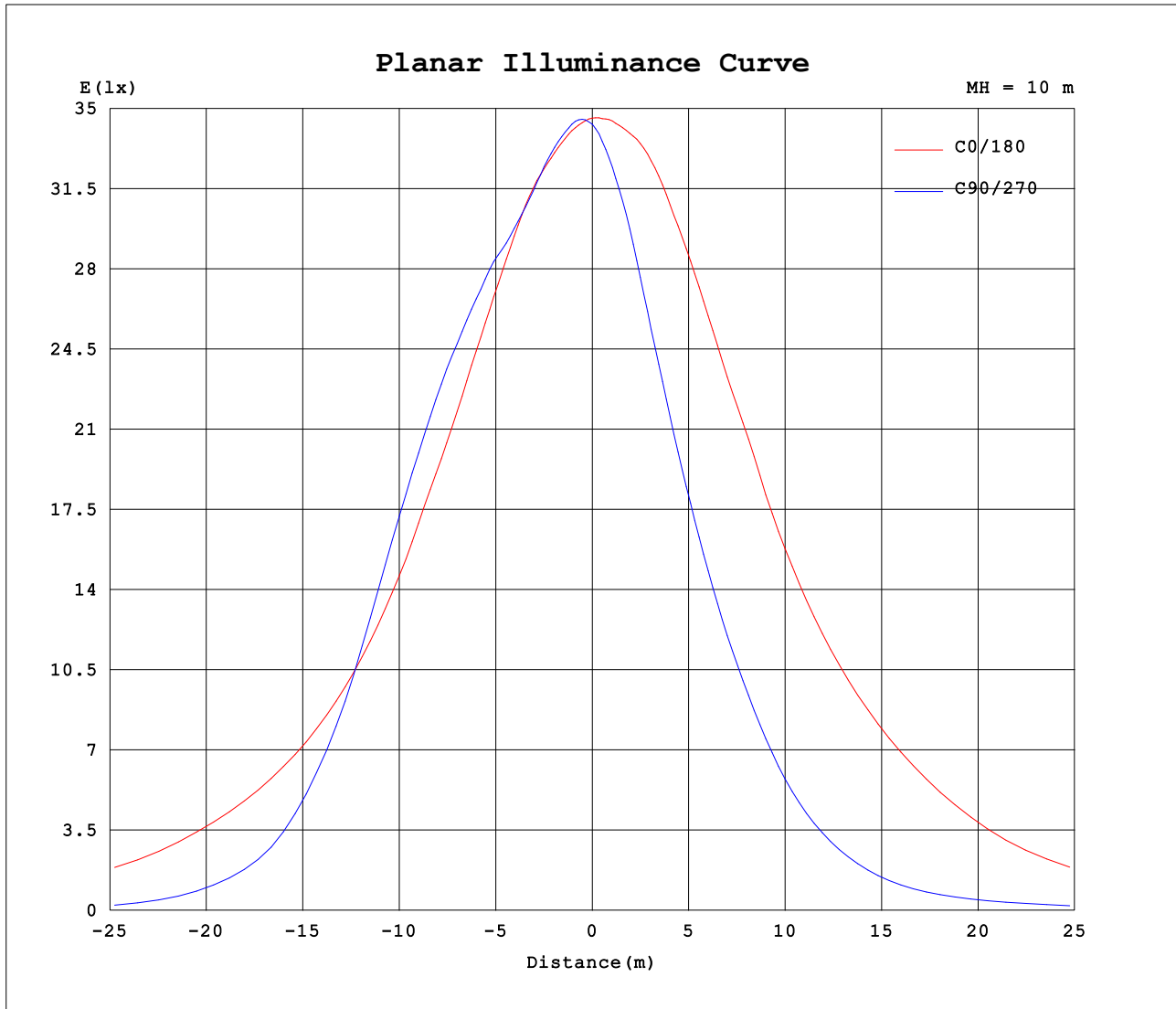
Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



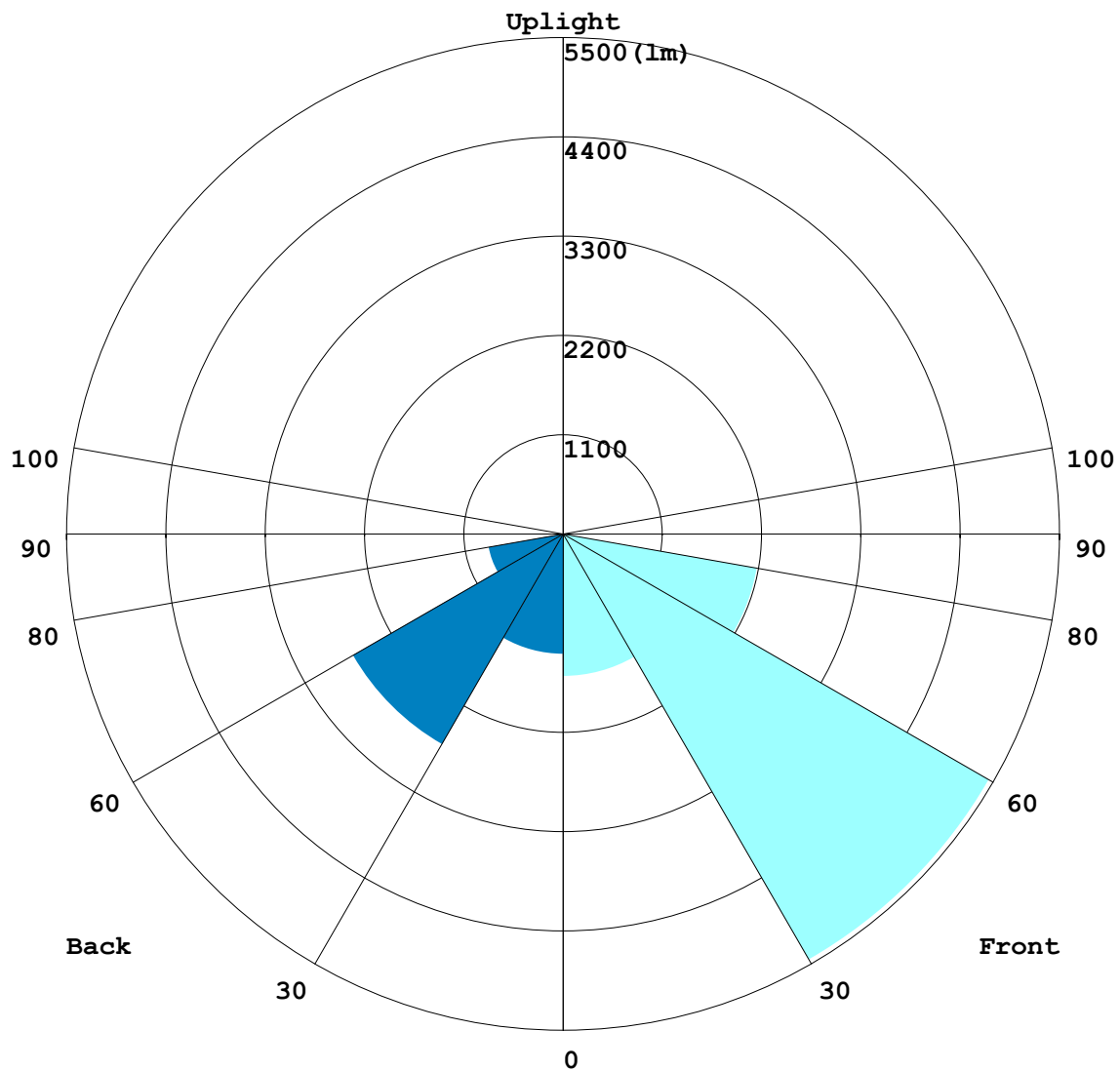
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: yanyonggeng  
 Test Date: 2024-9-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity: 65.0%  
 Test Distance: 7.682m [K=1.0000]  
 Remarks:

## LCS REPORT

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1575.4	11.1
FM - Front-Medium(30-60)	5445.7	38.5
FH - Front-High(60-80)	2179.1	15.4
FVH - Front-Very High(80-90)	45.849	0.3
Total Forward Light	9246	65.4

BL - Back-Low(0-30)	1328.9	9.4
BM - Back-Medium(30-60)	2686.5	19.0
BH - Back-High(60-80)	838.78	5.9
BVH - Back-Very High(80-90)	30.788	0.2
Total Back Light	4885	34.6

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	4885	0	4885
Street Side	9246	0	9246

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

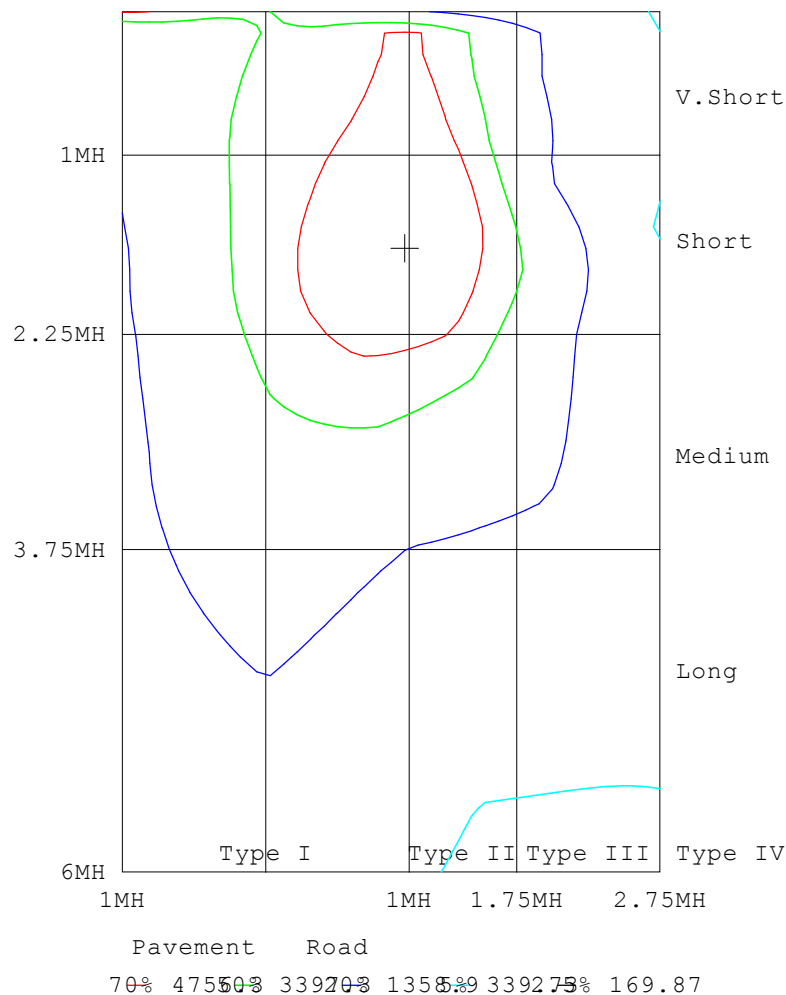
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-9-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431	3431
5	3429	3446	3462	3470	3475	3478	3483	3490	3493	3497	3494	3485	3465	3440	3411	3378	3352	3330	3322
10	3459	3489	3500	3500	3501	3504	3513	3528	3549	3566	3576	3571	3537	3477	3398	3315	3250	3197	3181
15	3536	3569	3562	3546	3553	3553	3562	3589	3613	3657	3702	3710	3663	3554	3403	3245	3108	3013	2984
20	3630	3681	3672	3633	3622	3635	3663	3689	3715	3789	3841	3852	3787	3615	3396	3144	2942	2817	2783
25	3718	3781	3780	3761	3768	3823	3877	3891	3922	3946	3979	3997	3917	3671	3346	3002	2769	2626	2586
30	3825	3906	3900	3949	4036	4114	4175	4187	4212	4166	4156	4175	4065	3720	3272	2842	2584	2436	2395
35	3934	4056	4088	4193	4341	4430	4501	4510	4547	4507	4428	4377	4205	3758	3153	2646	2375	2225	2185
40	4057	4226	4340	4539	4683	4747	4795	4845	4919	4911	4727	4591	4377	3726	2971	2414	2141	1990	1944
45	4100	4397	4678	4958	5012	4912	4865	5029	5304	5393	5156	4813	4430	3622	2722	2143	1858	1668	1622
50	4138	4608	5158	5454	5175	4625	4348	4698	5451	5974	5757	5094	4523	3449	2409	1813	1472	1308	1281
55	4173	4919	5842	5944	4785	3673	3190	3700	4923	6453	6500	5462	4607	3206	2027	1367	1085	952	939
60	4176	5305	6624	5915	3676	2171	1781	2111	3666	6124	7005	5698	4560	2843	1571	929	728	639	648
65	3935	5317	6554	4767	1773	1049	839	974	1628	4513	6033	5200	4039	2212	990	554	469	462	482
70	3248	4055	4050	2549	564	410	327	345	453	1896	3239	3350	3198	1624	500	316	333	334	315
75	2128	1561	1629	520	218	208	170	198	203	427	1059	927	1713	926	243	192	221	169	166
80	813	351	395	181	116	111	103	107	105	145	330	152	533	360	102	70.6	92.5	82.0	47.1
85	124	56.0	181	52.6	43.4	53.1	46.3	50.8	37.5	37.7	81.3	37.5	41.0	39.6	19.7	19.2	22.1	25.7	7.54
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: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.32V I:0.4237A P:90.150W PF:0.9701 Freq:50.01Hz Lamp Flux:14131.0x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT:
SPEC.: AoK-90WiLF-NV-L2-00-4070-T201-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	3431	3431	3431	3431	3431														
5	3321	3335	3352	3378	3406														
10	3185	3219	3271	3335	3404														
15	2998	3071	3176	3303	3434														
20	2802	2896	3058	3278	3480														
25	2609	2718	2918	3219	3505														
30	2417	2534	2759	3123	3529														
35	2208	2332	2569	3000	3541														
40	1976	2107	2348	2827	3520														
45	1659	1838	2097	2591	3403														
50	1314	1478	1797	2310	3236														
55	970	1113	1394	1976	2996														
60	664	769	981	1573	2691														
65	479	505	619	1060	2265														
70	354	358	363	549	1608														
75	190	261	217	277	1060														
80	120	151	101	129	457														
85	44.0	40.6	34.5	36.7	91.1														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks: