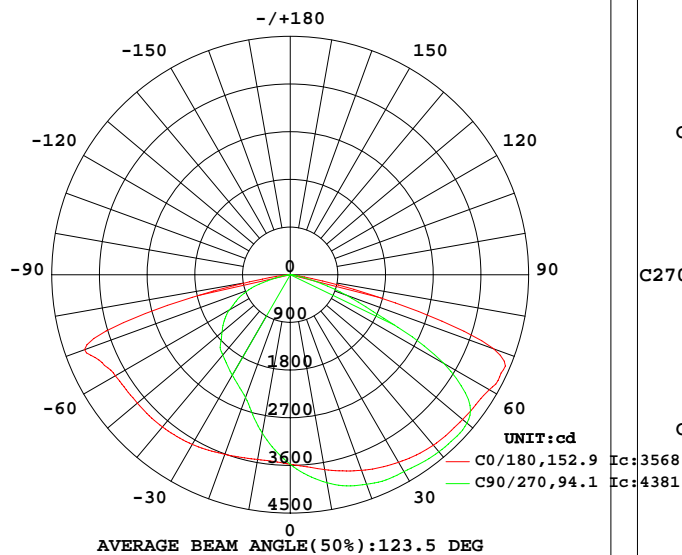
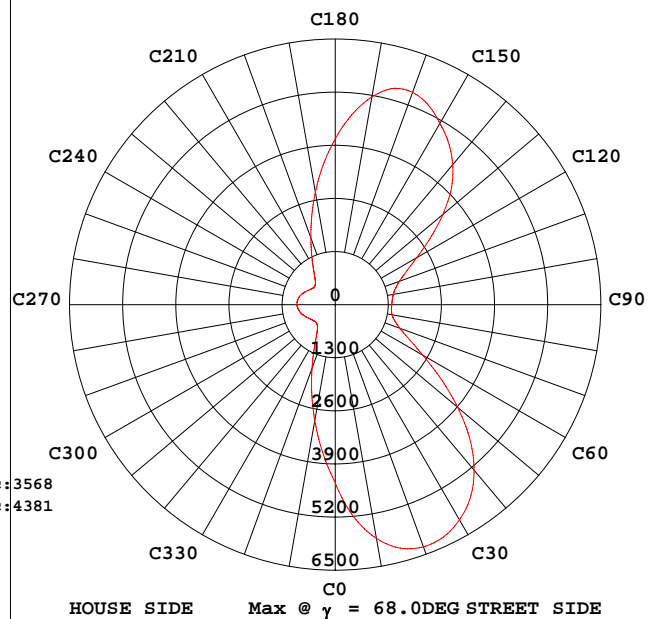


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.69 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6170	η street_up(%)	0.0
NOMINAL POWER(W)	110	LOR(%)	100.0	η street_down(%)	65.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14923	η house_up(%)	0.0
NOMINAL FLUX(lm)	14923.1	MAXIMUM @(C,γ )	15,68.0	η house_down(%)	34.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.191

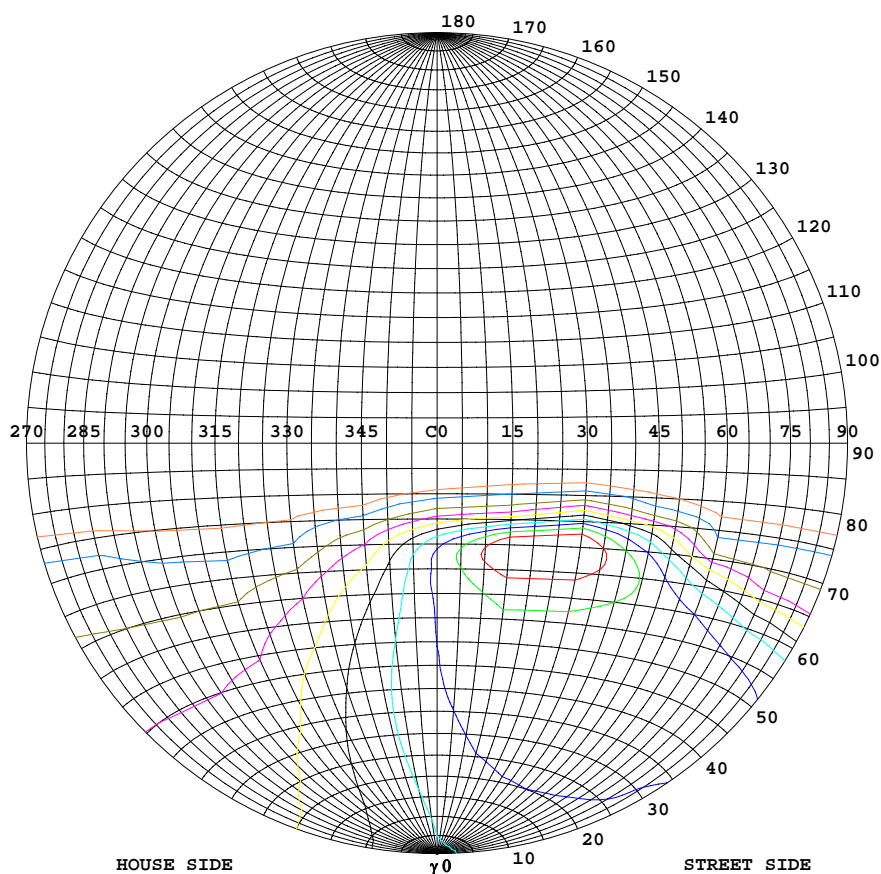
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

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:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



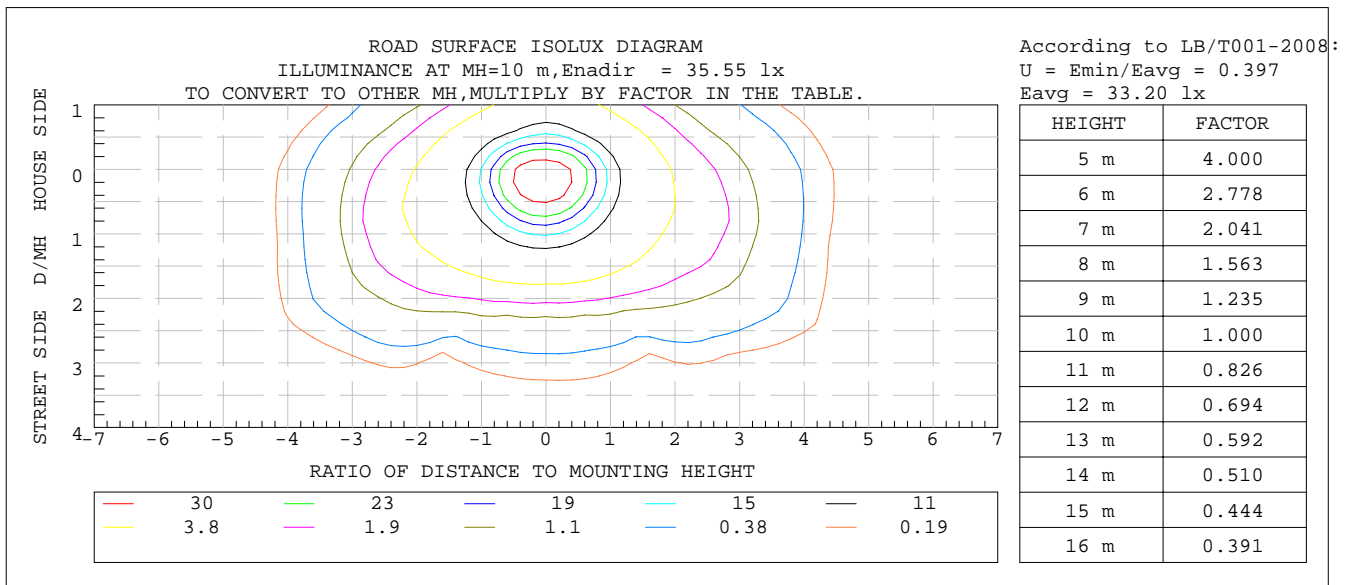
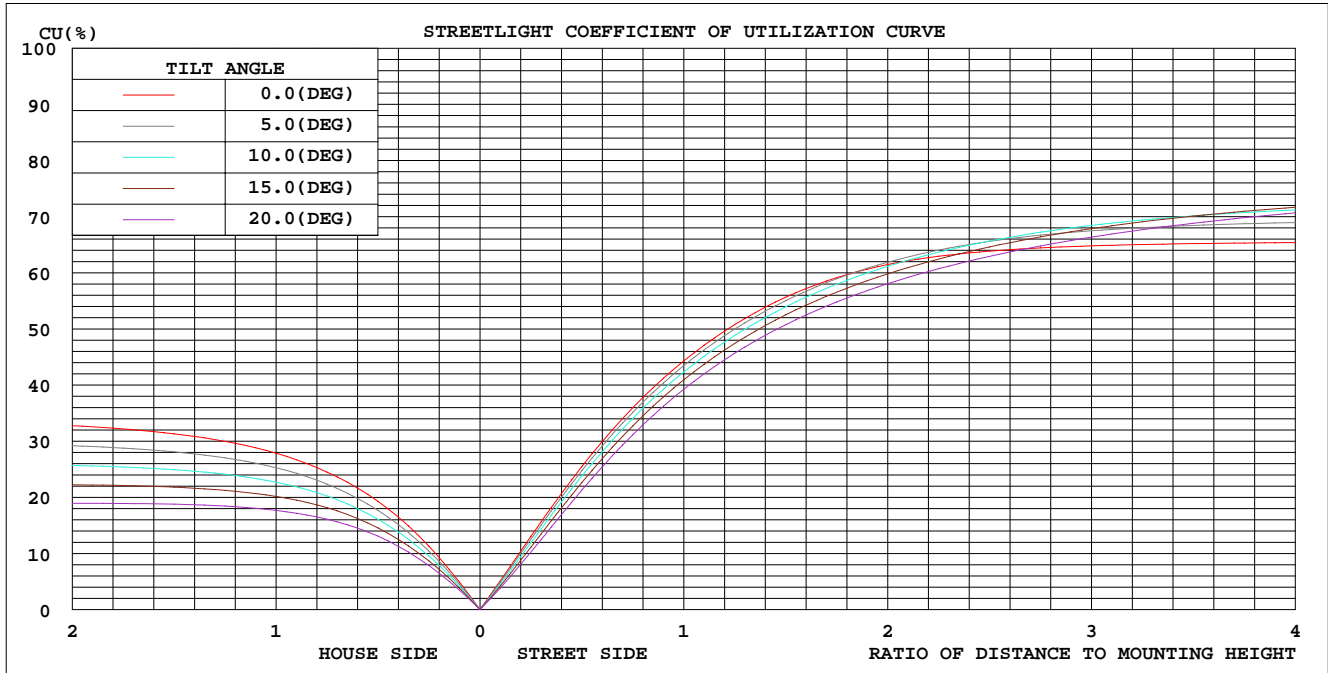
## Classification:

IES:Type III - Medium  
CIE:Broad - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:85.94cd/klm  
Max.At90:0cd/klm  
Max.80-90:85.94cd/klm  
NRB 5101:Limited[4.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6170
90%	5553
80%	4936
70%	4319
60%	3702
50%	3085
40%	2468
30%	1851
20%	1234
10%	617
5%	308

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

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:

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: 2024-12-16

$\gamma$  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:

## ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

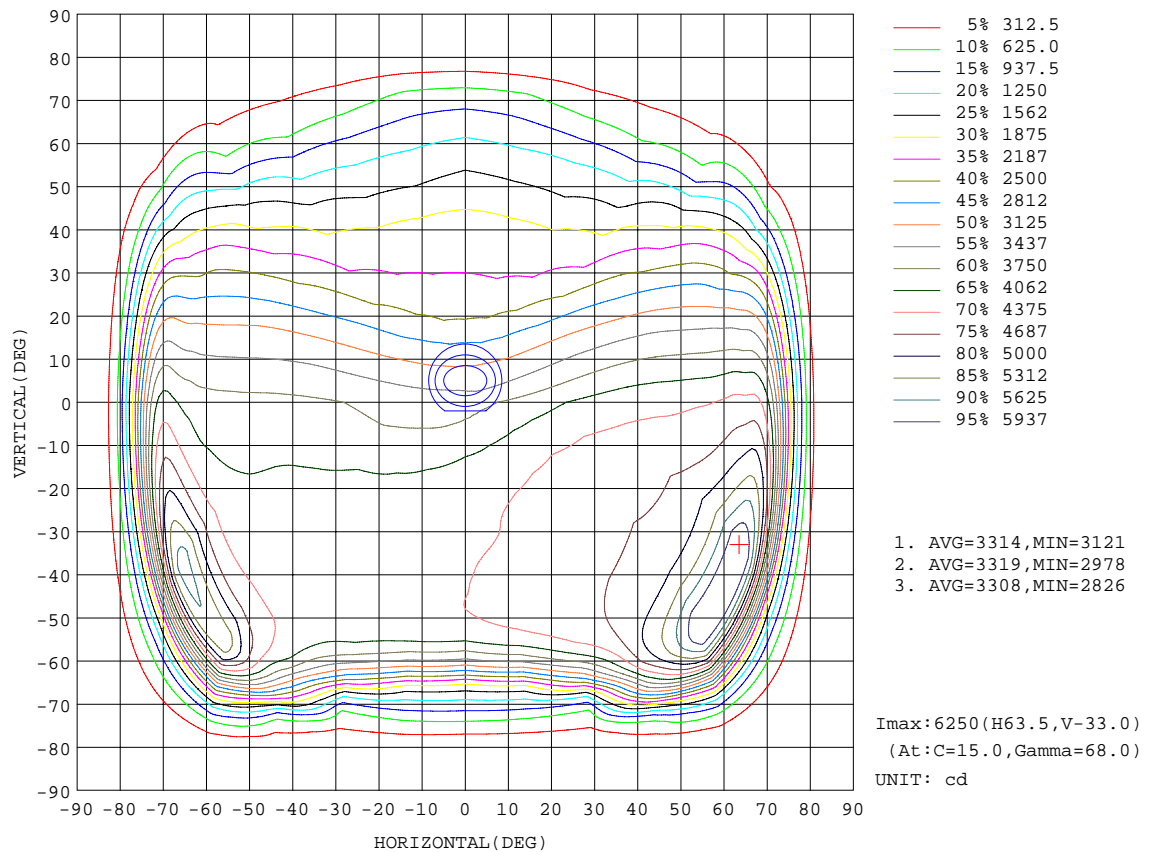
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	3734	3971	3984	3836	3542	3183	3038	3290	0- 10	341.1	341.1	2.29,2.29
20	3930	4293	4208	4064	3608	2828	2469	2992	10- 20	1009	1350	9.05,9.05
30	4088	4488	4291	4204	3698	2505	2189	2637	20- 30	1636	2986	20,20
40	4201	4583	4361	4255	3750	2164	1981	2237	30- 40	2192	5178	34.7,34.7
50	4248	4653	4354	4293	3768	1816	1682	1834	40- 50	2635	7813	52.4,52.4
60	4341	4816	3345	4341	3812	1290	1329	1287	50- 60	2886	10699	71.7,71.7
70	4079	4239	1126	3617	4132	556.8	834.6	531.6	60- 70	2726	13425	90,90
80	418.4	382.8	139.2	357.3	779.3	128.8	120.8	104.6	70- 80	1404	14829	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	94.08	14923	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14923	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14923	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14923	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14923	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14923	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14923	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14923	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14923	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14923	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:2024-12-16

$\gamma$  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

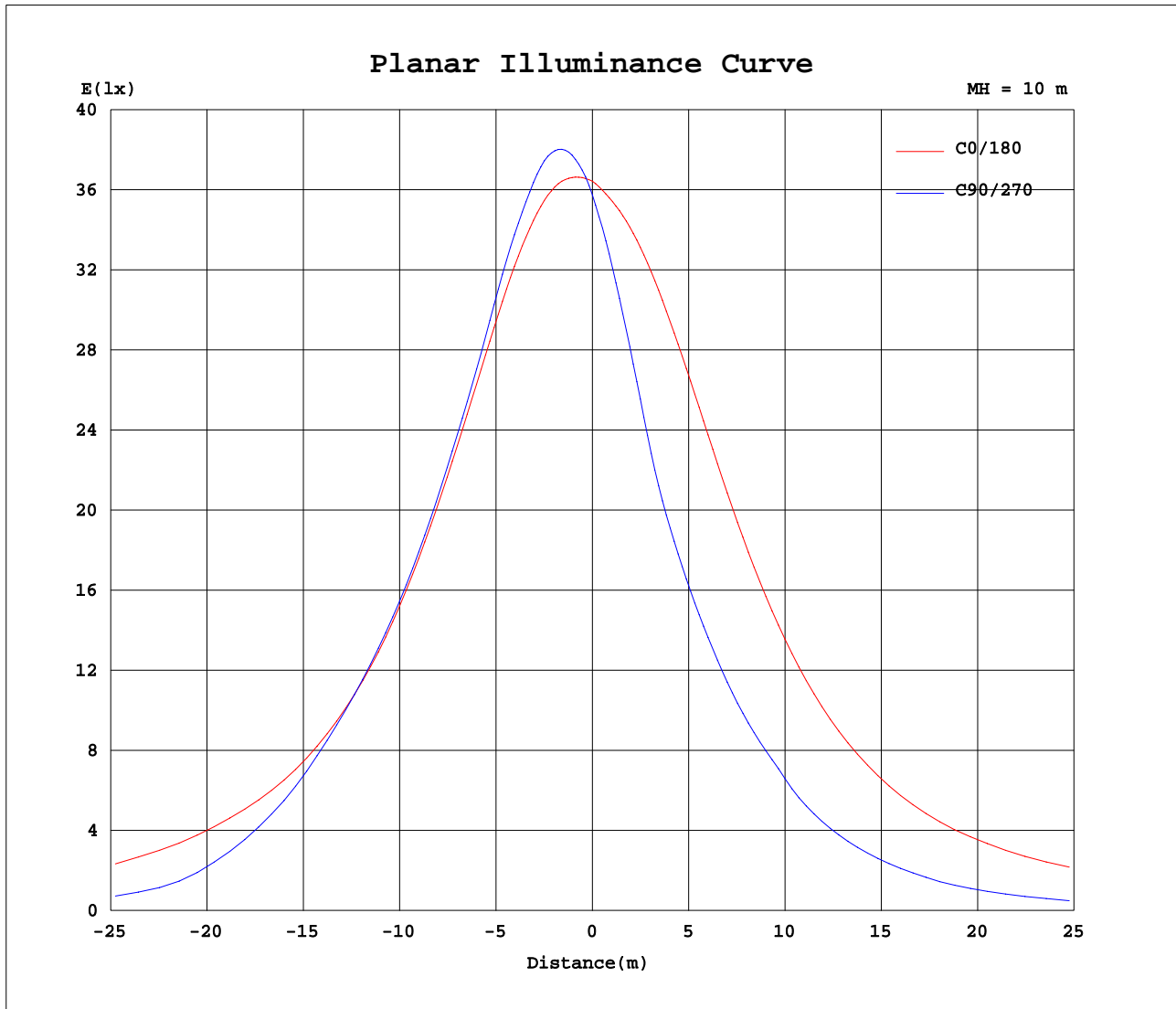
Test:U:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

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:

## Planar Illuminance Curve



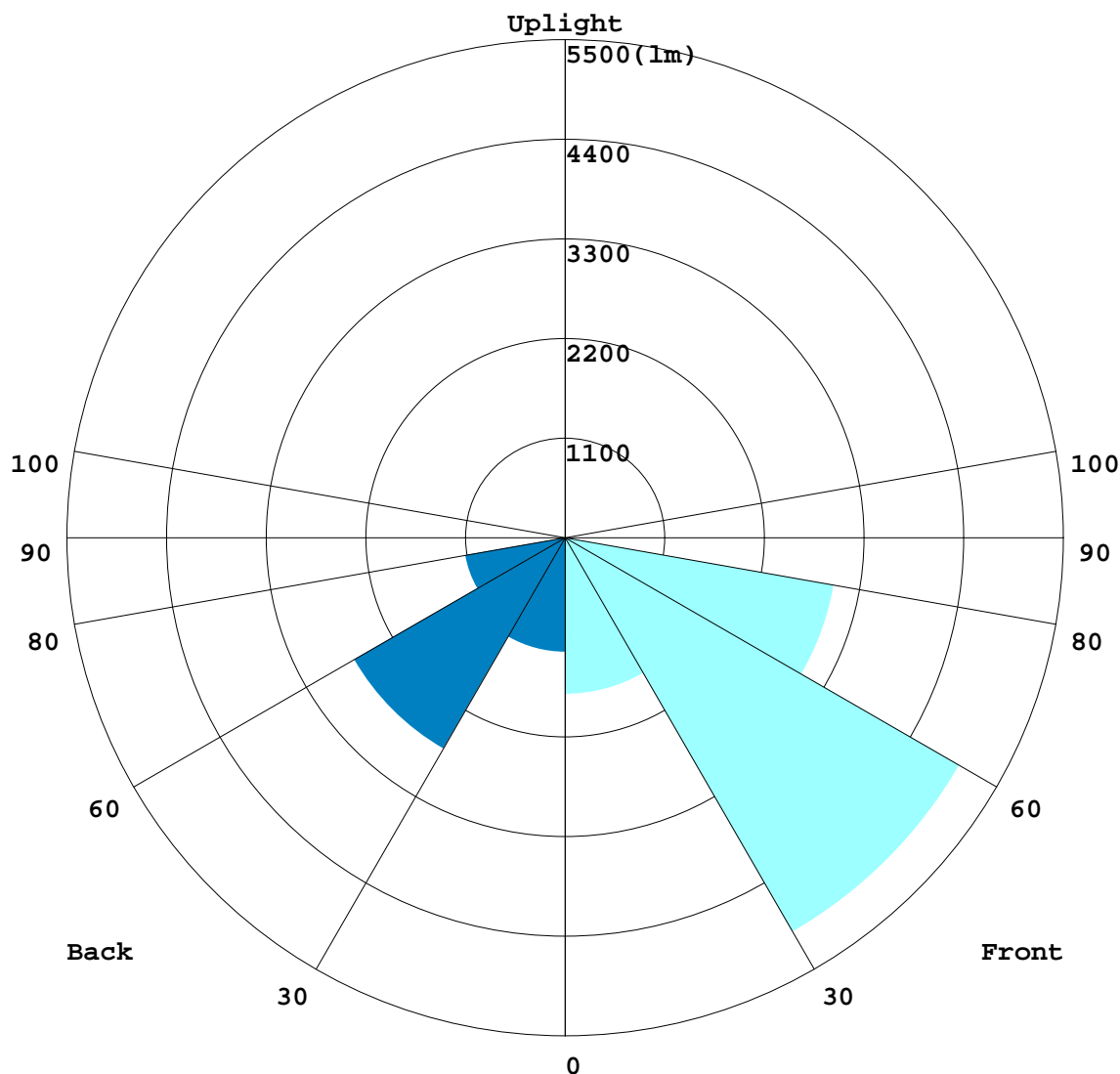
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-16

$\gamma$  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:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1lx1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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:2024-12-16

$\gamma$  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:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1725	11.6
FM - Front-Medium(30-60)	5023.9	33.7
FH - Front-High(60-80)	3011.6	20.2
FVH - Front-Very High(80-90)	64.291	0.4
Total Forward Light	9824.7	65.8

BL - Back-Low(0-30)	1261.1	8.5
BM - Back-Medium(30-60)	2688.9	18.0
BH - Back-High(60-80)	1118.5	7.5
BVH - Back-Very High(80-90)	29.784	0.2
Total Back Light	5098.3	34.2

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5098.3	0	5098.3
Street Side	9824.7	0	9824.7

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-16

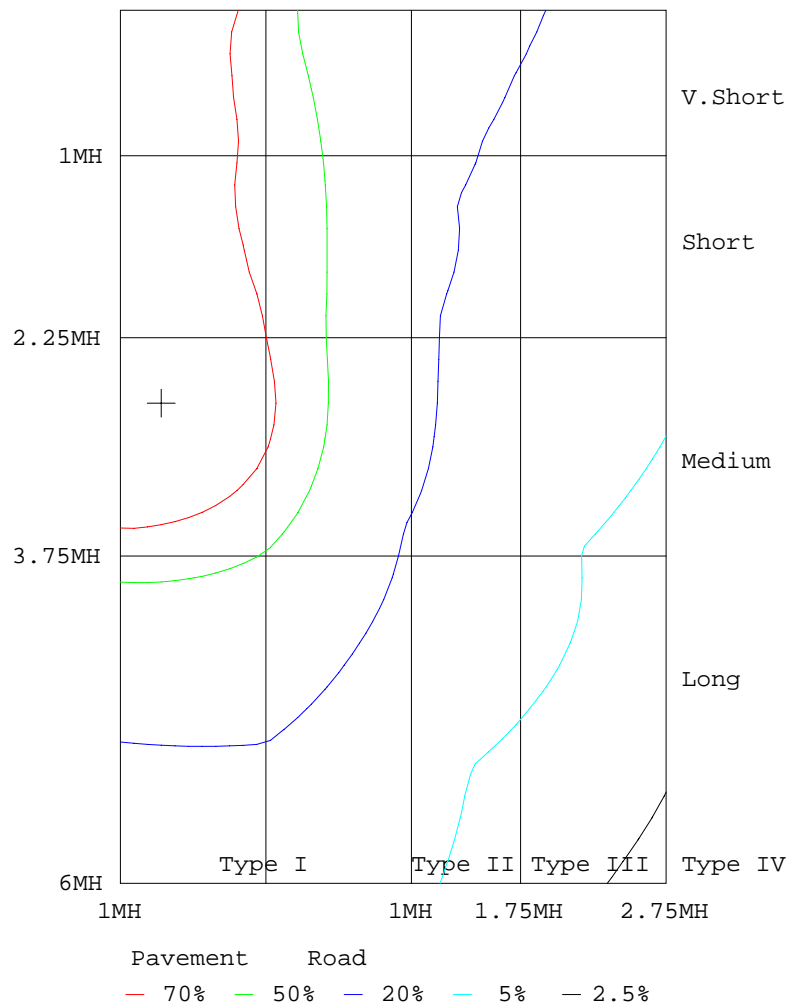
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

$\gamma$  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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578	3578
5	3640	3697	3745	3778	3798	3808	3799	3784	3752	3711	3660	3602	3538	3476	3420	3369	3335	3316	3321
10	3734	3843	3920	3971	3994	4000	3984	3956	3902	3836	3756	3659	3542	3420	3294	3183	3095	3040	3038
15	3833	3985	4087	4146	4161	4155	4125	4091	4035	3961	3859	3735	3570	3387	3191	3005	2853	2746	2736
20	3930	4121	4238	4293	4278	4254	4208	4171	4125	4064	3957	3807	3608	3366	3097	2828	2614	2485	2469
25	4015	4244	4369	4399	4376	4335	4274	4239	4191	4139	4047	3887	3654	3350	3004	2668	2429	2329	2311
30	4088	4348	4467	4488	4446	4370	4291	4260	4242	4204	4121	3966	3698	3333	2914	2505	2276	2203	2189
35	4152	4434	4539	4551	4484	4415	4332	4293	4264	4250	4174	4032	3728	3313	2801	2336	2131	2083	2078
40	4201	4504	4589	4583	4533	4455	4361	4326	4301	4255	4217	4087	3750	3270	2671	2164	1997	1972	1981
45	4228	4560	4624	4616	4555	4465	4377	4340	4311	4274	4238	4118	3764	3206	2516	2000	1852	1832	1865
50	4248	4628	4673	4653	4564	4456	4354	4345	4313	4293	4242	4134	3768	3111	2335	1816	1643	1605	1682
55	4277	4781	4783	4710	4546	4304	4105	4200	4284	4310	4266	4189	3782	2979	2107	1586	1405	1419	1524
60	4341	5094	5072	4816	4303	3650	3345	3573	4039	4341	4379	4367	3812	2797	1820	1290	1191	1219	1329
65	4389	5737	5693	4871	3395	2334	1950	2318	3188	4273	4698	4870	3921	2483	1451	951	915	1002	1098
70	4079	6012	6152	4239	1575	1175	1126	1203	1533	3617	5427	5824	4132	1998	840	557	609	771	835
75	2057	2900	4004	2286	479	485	517	544	513	1991	4447	3917	2833	1138	393	327	342	437	449
80	418	614	926	383	160	145	139	150	168	357	1282	902	779	240	145	129	139	141	121
85	48.5	66.8	97.5	54.2	37.8	36.4	33.6	38.8	42.6	62.9	138	111	86.3	44.8	33.6	29.0	29.9	27.1	27.1
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:2024-12-16

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:219.3V I:0.5251A P:111.6W PF:0.9694 Freq:50.01Hz Lamp Flux:14923.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-110WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3578	3578	3578	3578	3578														
5	3337	3379	3433	3501	3572														
10	3072	3166	3290	3441	3594														
15	2786	2936	3141	3383	3623														
20	2522	2711	2992	3327	3651														
25	2331	2484	2825	3263	3681														
30	2187	2293	2637	3176	3695														
35	2066	2129	2441	3055	3686														
40	1963	1989	2237	2905	3648														
45	1843	1860	2037	2729	3577														
50	1647	1646	1834	2498	3453														
55	1461	1445	1568	2212	3283														
60	1242	1220	1287	1866	3028														
65	1001	903	888	1340	2603														
70	743	570	532	695	1897														
75	400	302	285	328	790														
80	114	112	105	115	154														
85	24.5	24.1	21.9	24.6	33.0														
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:2024-12-16

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: