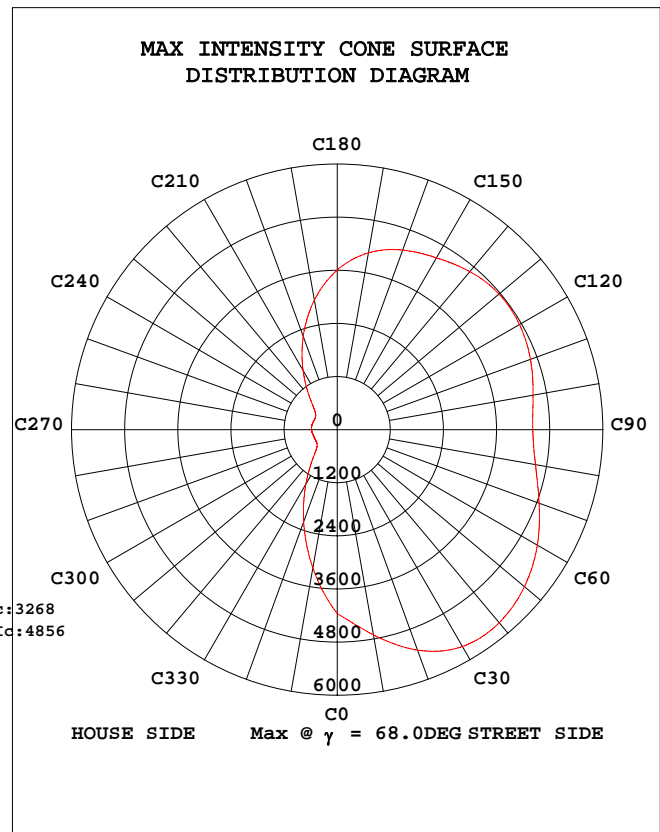
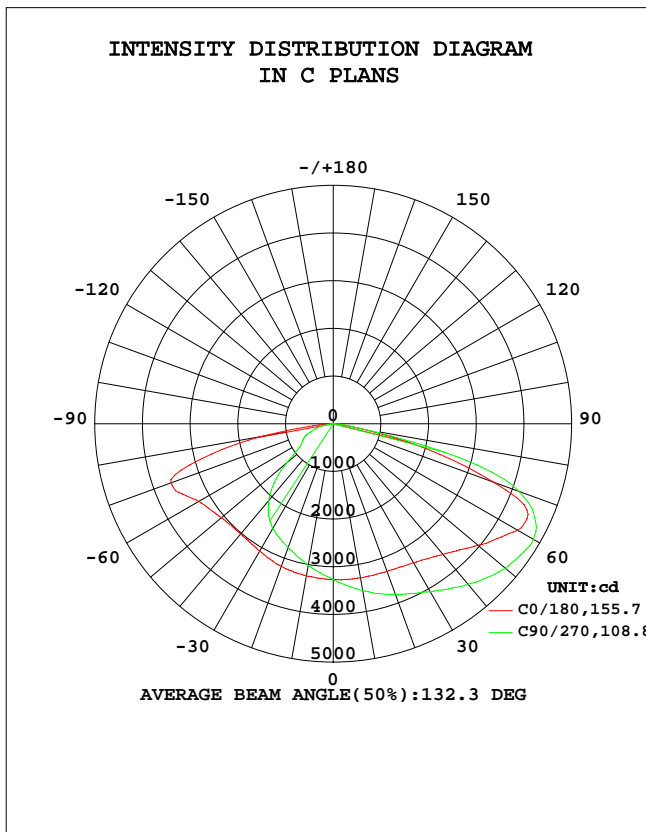


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.96 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	5655	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	68.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16068	η house_up(%)	0.0
NOMINAL FLUX(lm)	16067.8	MAXIMUM @(C,γ )	30,68.0	η house_down(%)	31.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.554

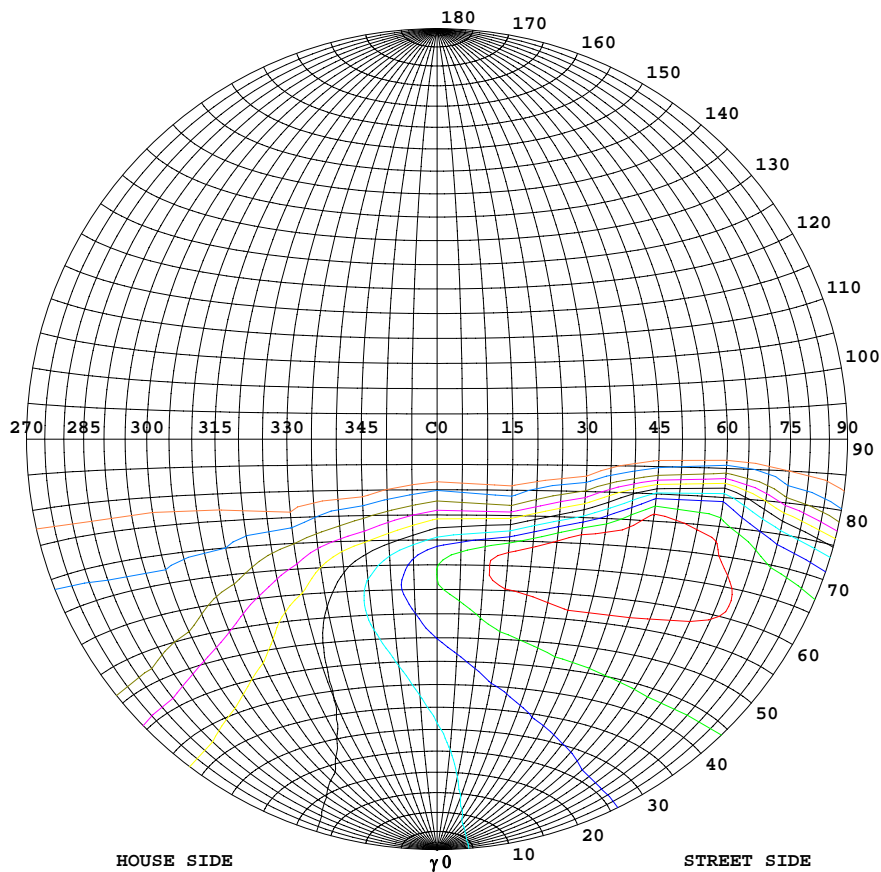


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-2

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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



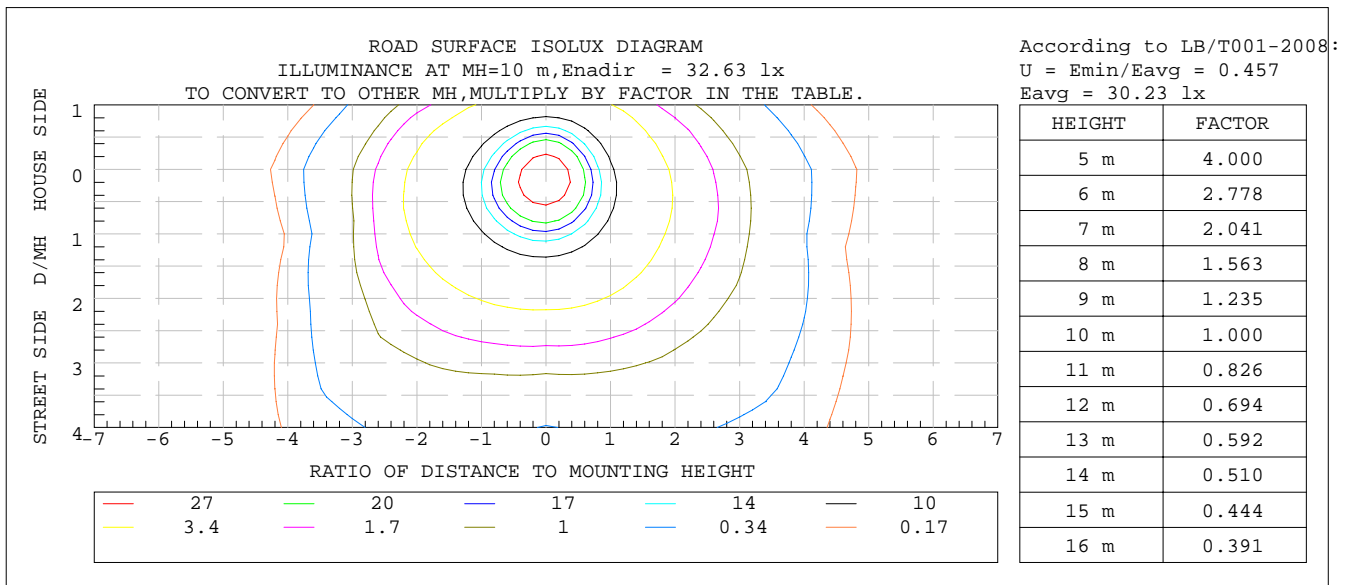
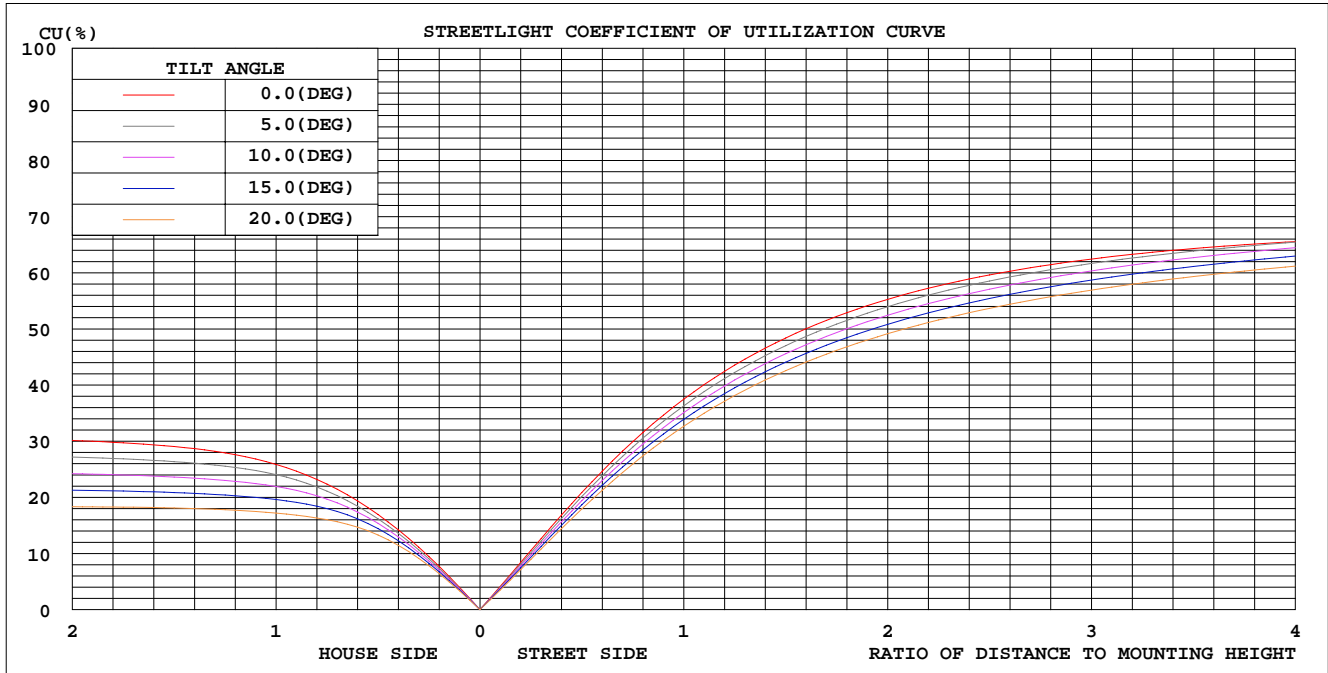
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:249.9cd/klm  
Max.At90:0cd/klm  
Max.80-90:249.9cd/klm  
NRB 5101:Semi limited[25.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5655
90%	5090
80%	4524
70%	3959
60%	3393
50%	2828
40%	2262
30%	1697
20%	1131
10%	566
5%	283

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-2

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: 2024-12-2

$\gamma$  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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

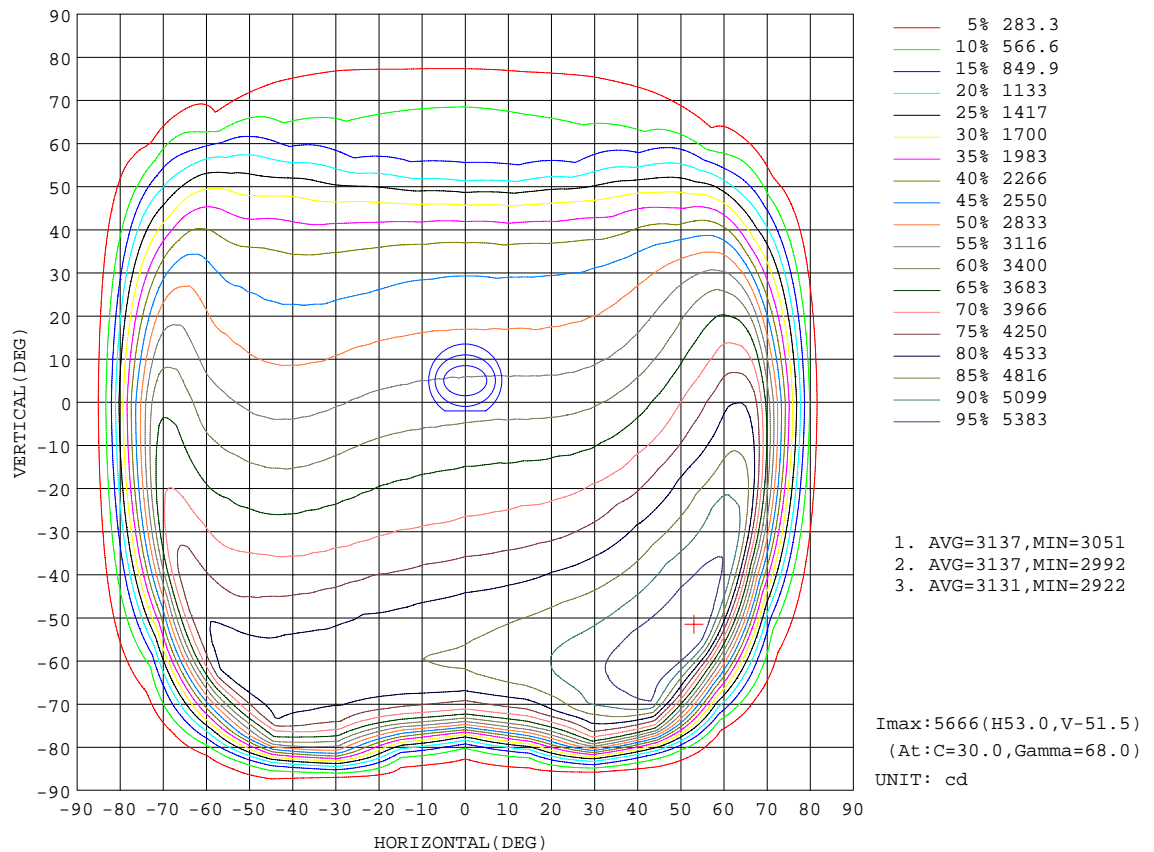
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	3283	3480	3555	3443	3242	3069	3017	3094	0- 10	312.1	312.1	1.94,1.94
20	3294	3706	3807	3611	3181	2853	2764	2900	10- 20	926.3	1238	7.71,7.71
30	3368	3950	4069	3743	3087	2626	2530	2722	20- 30	1509	2748	17.1,17.1
40	3578	4299	4395	3905	3018	2393	2107	2536	30- 40	2054	4802	29.9,29.9
50	3965	4740	4709	4146	3066	2036	1267	2148	40- 50	2539	7341	45.7,45.7
60	4466	5268	4847	4464	3257	1495	749.1	1473	50- 60	2912	10253	63.8,63.8
70	3569	5638	4136	4764	3621	654.0	513.9	565.1	60- 70	3121	13375	83.2,83.2
80	532.5	3503	604.4	4015	1514	243.4	183.3	182.6	70- 80	2277	15651	97.4,97.4
90	0	0	0	0	0	0	0	0	80- 90	416.6	16068	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16068	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16068	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16068	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16068	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16068	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16068	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16068	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16068	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16068	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:2024-12-2

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

## ISOCANDELA DIAGRAM

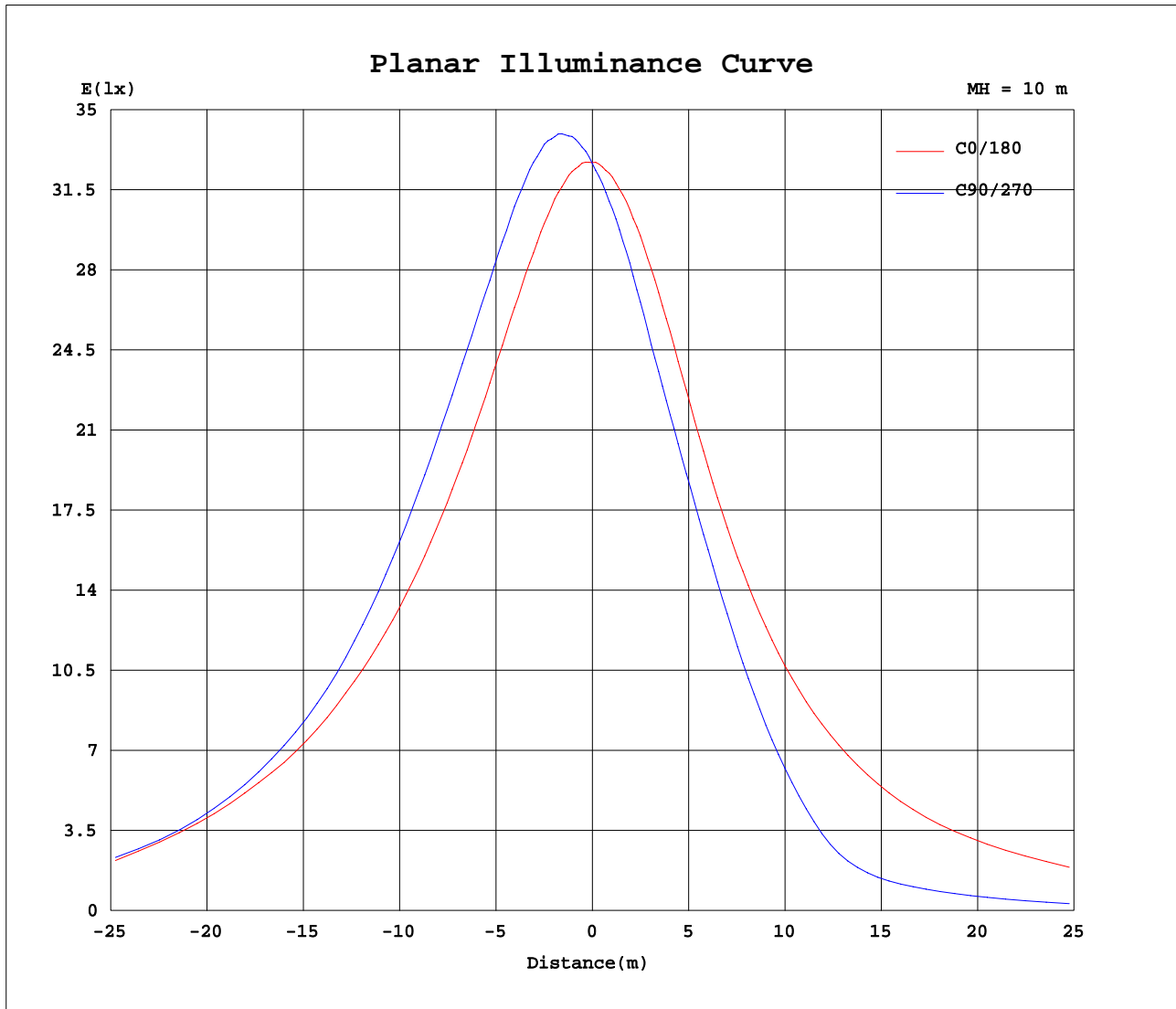
Test:U:219.3V I:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-2

$\gamma$  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



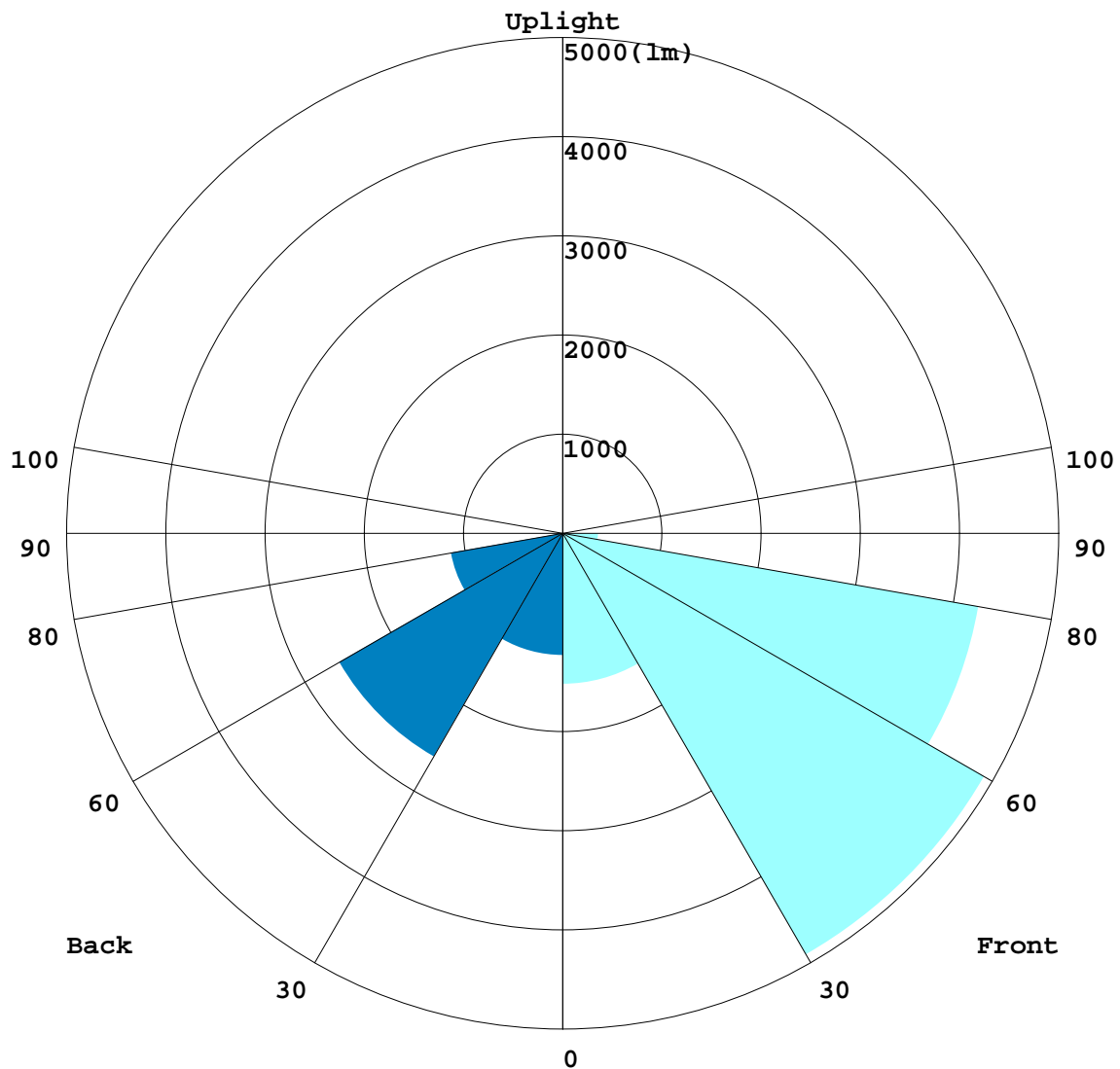
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-2

$\gamma$  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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	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:2024-12-2

$\gamma$  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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1519.3	9.5
FM - Front-Medium(30-60)	4906.4	30.5
FH - Front-High(60-80)	4255.3	26.5
FVH - Front-Very High(80-90)	358.16	2.2
Total Forward Light	11039	68.7

BL - Back-Low(0-30)	1228.5	7.6
BM - Back-Medium(30-60)	2599.2	16.2
BH - Back-High(60-80)	1142.4	7.1
BVH - Back-Very High(80-90)	58.453	0.4
Total Back Light	5028.7	31.3

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	5028.7	0	5028.7
Street Side	11039	0	11039

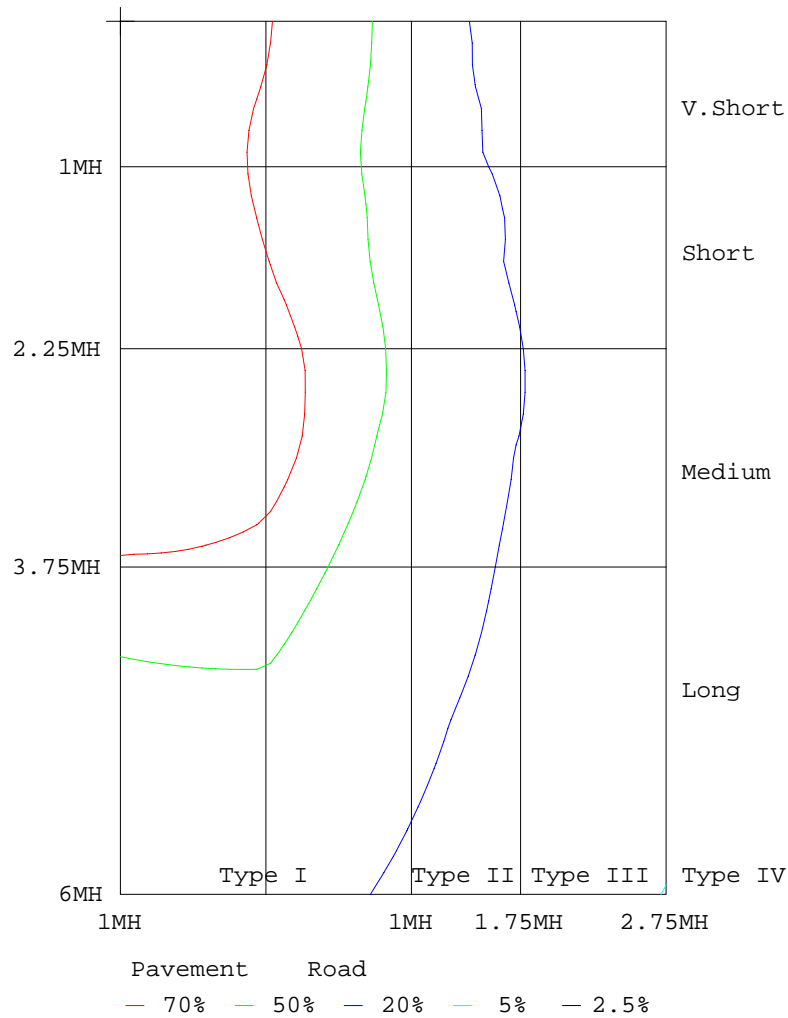
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-2

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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

#### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-2

$\gamma$  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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	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	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266	3266
5	3276	3311	3347	3370	3396	3404	3411	3403	3379	3352	3326	3287	3256	3215	3187	3167	3153	3137	3136
10	3283	3351	3420	3480	3528	3542	3555	3536	3489	3443	3385	3305	3242	3164	3108	3069	3040	3013	3017
15	3287	3392	3499	3593	3658	3681	3687	3665	3603	3531	3439	3319	3217	3112	3031	2962	2919	2887	2890
20	3294	3448	3591	3706	3779	3812	3807	3773	3703	3611	3483	3332	3181	3050	2945	2853	2794	2764	2764
25	3315	3516	3695	3822	3901	3937	3929	3881	3794	3679	3518	3328	3136	2971	2843	2738	2682	2654	2652
30	3368	3608	3819	3950	4040	4074	4069	4006	3886	3743	3555	3314	3087	2884	2740	2626	2577	2532	2530
35	3455	3738	3971	4110	4199	4233	4229	4148	3997	3817	3593	3308	3042	2806	2634	2517	2446	2375	2360
40	3578	3923	4170	4299	4386	4412	4395	4301	4133	3905	3646	3327	3018	2744	2544	2393	2269	2146	2107
45	3744	4154	4408	4517	4589	4602	4562	4458	4282	4018	3719	3380	3021	2699	2461	2247	2026	1836	1758
50	3965	4426	4667	4740	4796	4773	4709	4610	4435	4146	3825	3467	3066	2675	2371	2036	1738	1409	1267
55	4198	4729	4960	4992	4984	4899	4801	4724	4571	4294	3975	3597	3142	2672	2258	1783	1326	944	877
60	4466	5053	5251	5268	5168	4993	4847	4818	4707	4464	4145	3751	3257	2666	2055	1495	869	737	749
65	4506	5275	5585	5524	5259	4901	4660	4740	4776	4634	4309	4008	3488	2704	1751	1045	635	644	664
70	3569	4321	5539	5638	5157	4477	4136	4385	4681	4764	4596	4309	3621	2465	1345	654	521	520	514
75	2013	1994	3511	5395	4731	3562	2720	3409	4370	4714	4551	3290	2884	1611	674	408	392	366	358
80	532	387	1173	3503	3732	1499	604	1369	3428	4015	2662	1214	1514	577	225	243	237	201	183
85	54.9	55.8	107	496	786	283	179	275	1218	1363	496	111	296	81.5	84.7	84.8	75.2	49.4	39.9
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:2024-12-2

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:0.4483A P:98.00W PF:0.9969 Freq:50.01Hz Lamp Flux:16067.8x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-5070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3266	3266	3266	3266	3266														
5	3145	3157	3182	3212	3235														
10	3030	3048	3094	3152	3202														
15	2905	2933	2995	3080	3170														
20	2776	2820	2900	3010	3141														
25	2663	2715	2806	2948	3116														
30	2545	2610	2722	2895	3107														
35	2383	2483	2641	2853	3125														
40	2140	2302	2536	2823	3171														
45	1814	2046	2386	2797	3247														
50	1360	1733	2148	2755	3348														
55	905	1244	1874	2619	3457														
60	721	805	1473	2287	3479														
65	625	619	945	1819	3174														
70	493	499	565	1117	2182														
75	342	356	350	319	1006														
80	179	194	183	162	175														
85	24.6	43.0	33.2	35.1	35.9														
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:2024-12-2

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