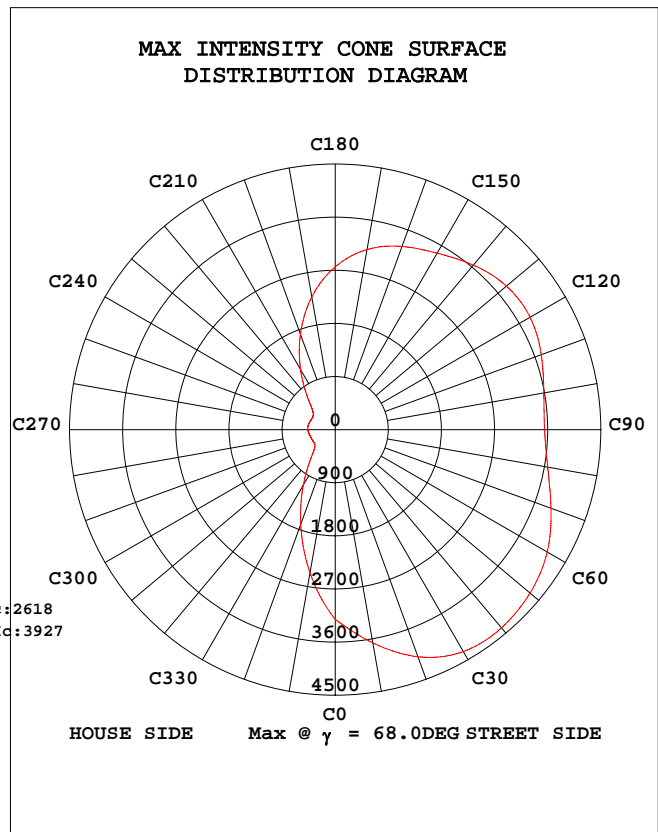
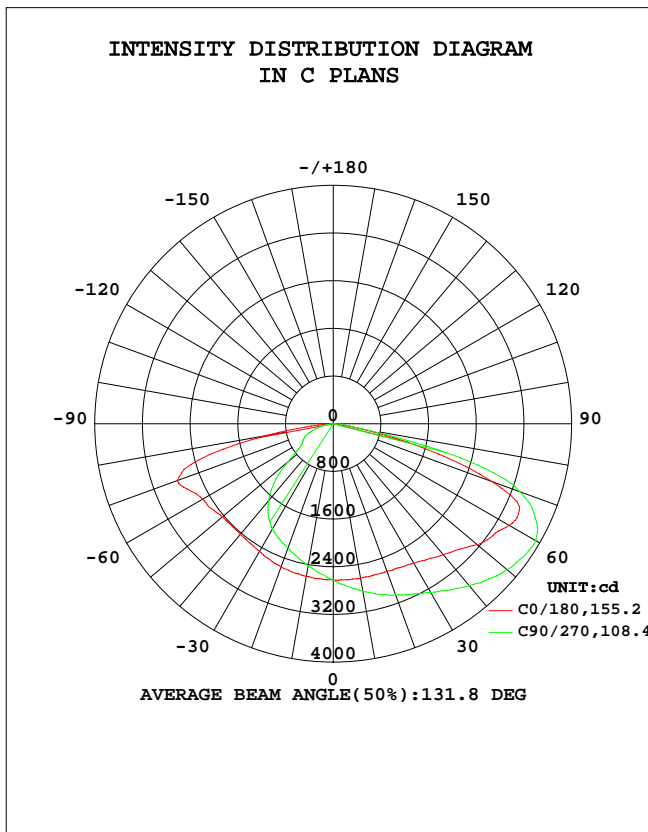


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 179.77 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	4354	η street_up(%)	0.0
NOMINAL POWER(W)	75	LOR(%)	100.0	η street_down(%)	68.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12762	η house_up(%)	0.0
NOMINAL FLUX(lm)	12761.7	MAXIMUM @(C,γ )	45,68.0	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	20.164

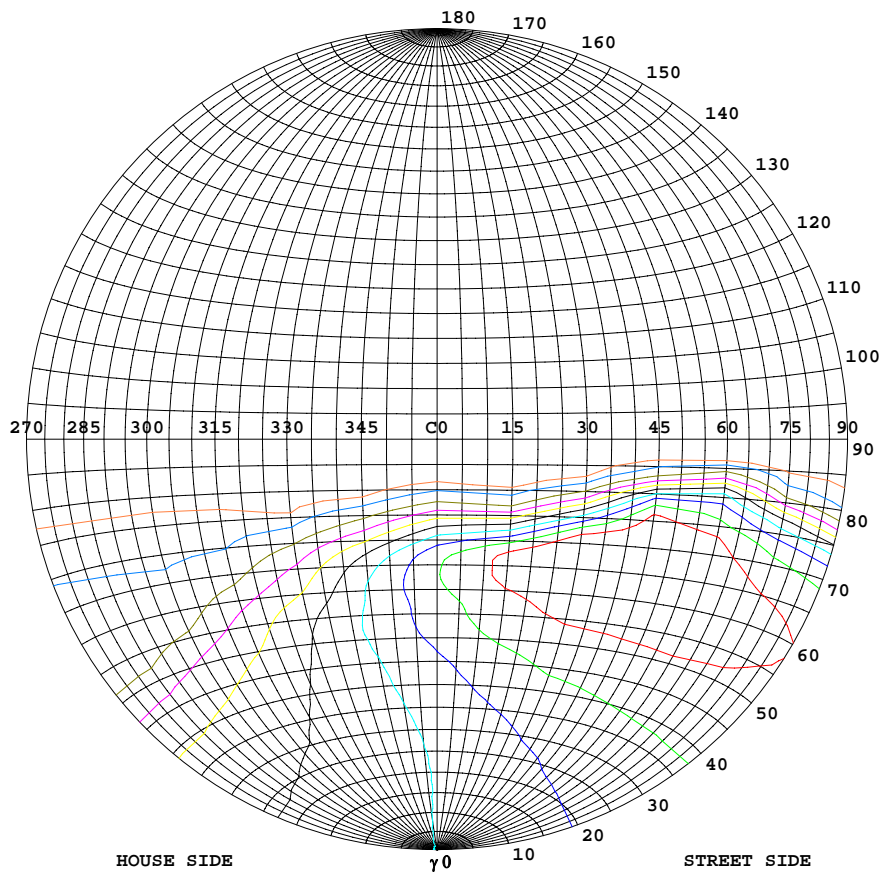


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-2

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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



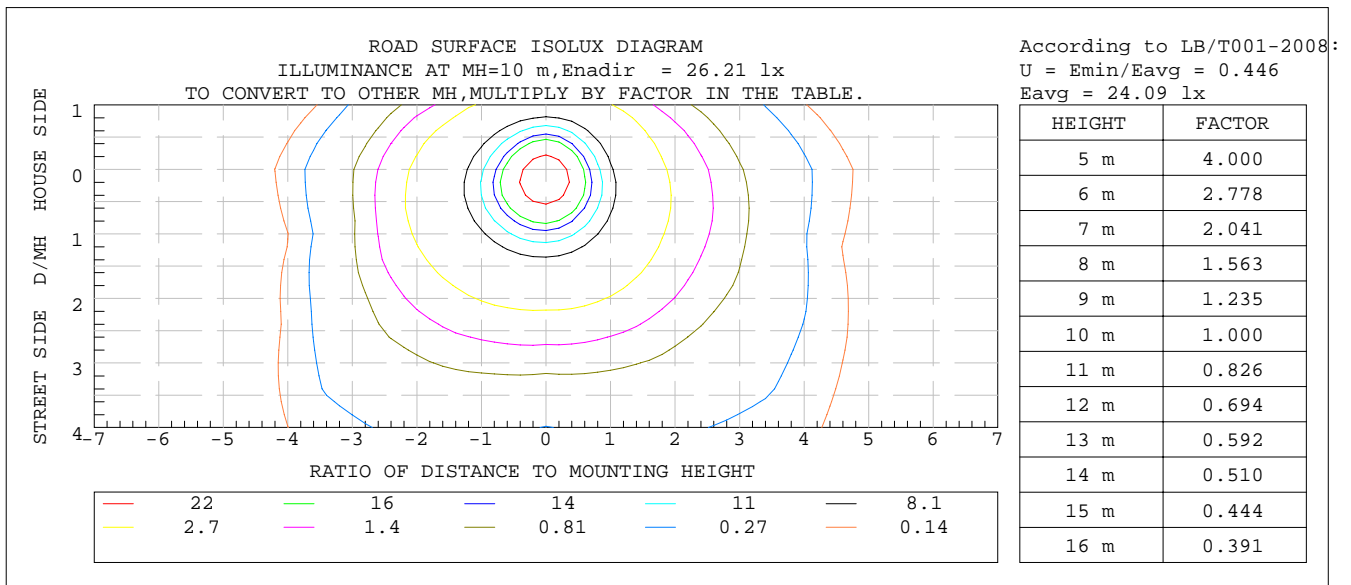
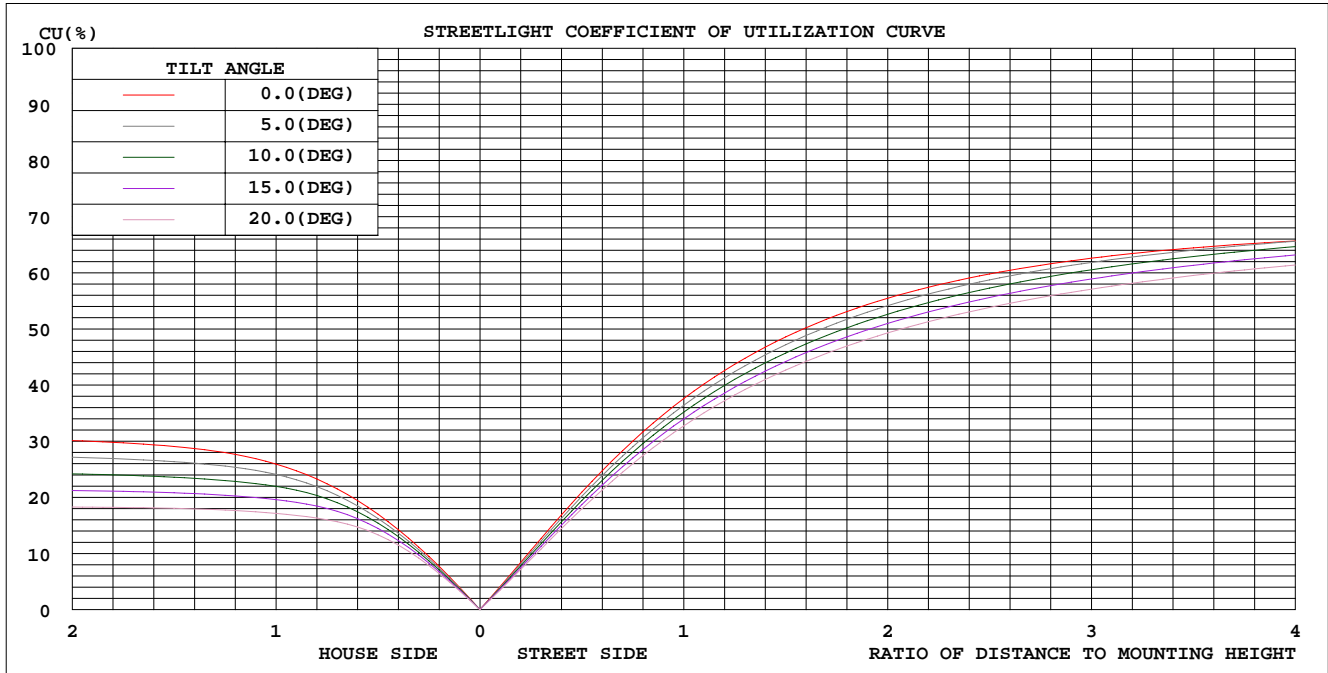
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:247.3cd/klm  
Max.At90:0cd/klm  
Max.80-90:247.3cd/klm  
NRB 5101:Semi limited[24.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4354
90%	3919
80%	3483
70%	3048
60%	2612
50%	2177
40%	1742
30%	1306
20%	871
10%	435
5%	218

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:

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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

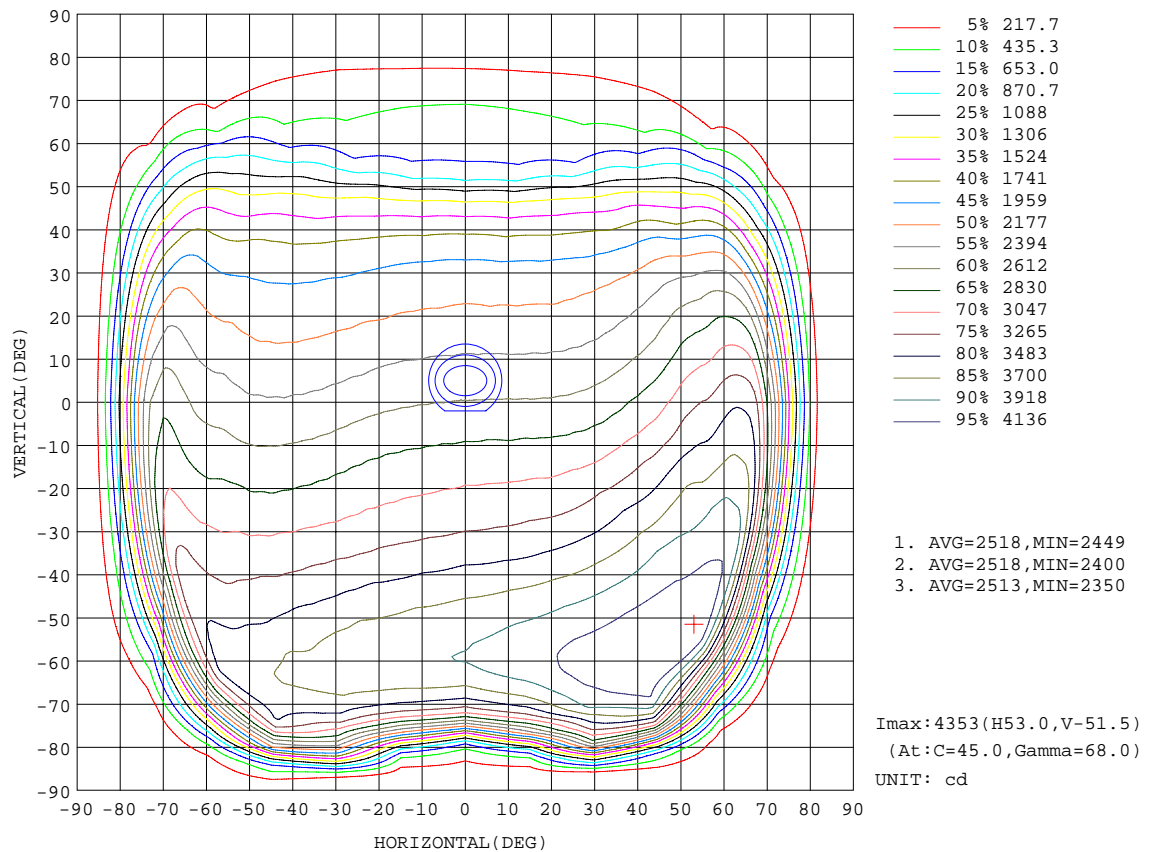
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	2632	2793	2853	2764	2600	2464	2423	2472	0- 10	250.5	250.5	1.96,1.96
20	2635	2972	3056	2897	2557	2292	2221	2327	10- 20	743.4	993.9	7.79,7.79
30	2705	3166	3268	3010	2473	2119	2040	2184	20- 30	1212	2206	17.3,17.3
40	2868	3457	3548	3133	2425	1930	1690	2042	30- 40	1652	3858	30.2,30.2
50	3154	3818	3811	3343	2427	1632	990.6	1726	40- 50	2040	5897	46.2,46.2
60	3411	4209	3923	3565	2533	1171	591.5	1151	50- 60	2320	8218	64.4,64.4
70	2824	4332	3333	3734	2788	490.0	409.3	426.9	60- 70	2446	10664	83.6,83.6
80	408.1	2627	490.0	3157	1152	192.5	144.1	144.3	70- 80	1777	12440	97.5,97.5
90	0	0	0	0	0	0	0	0	80- 90	321.3	12762	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12762	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12762	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12762	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12762	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12762	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12762	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12762	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12762	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12762	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  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

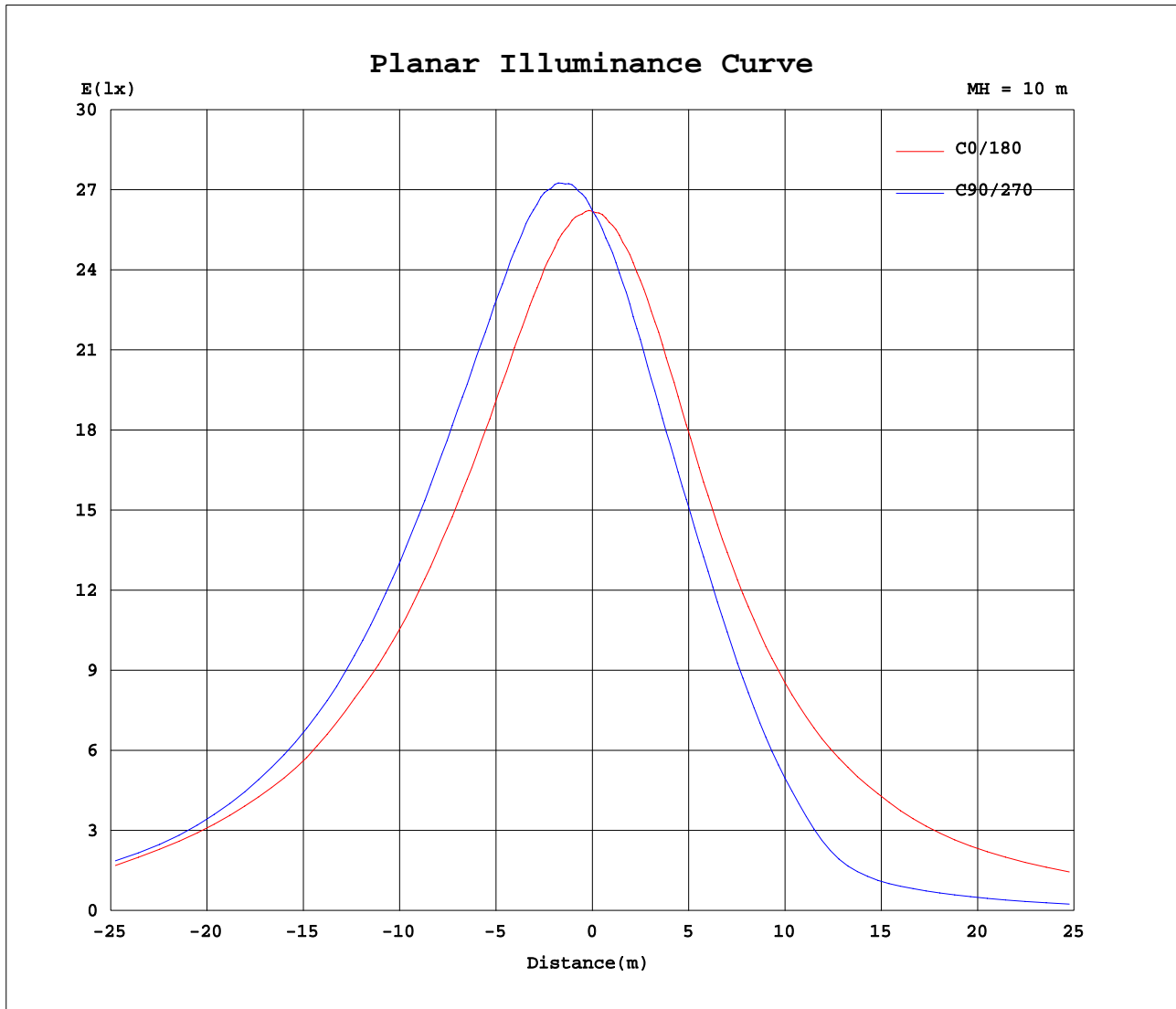
Test:U:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



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



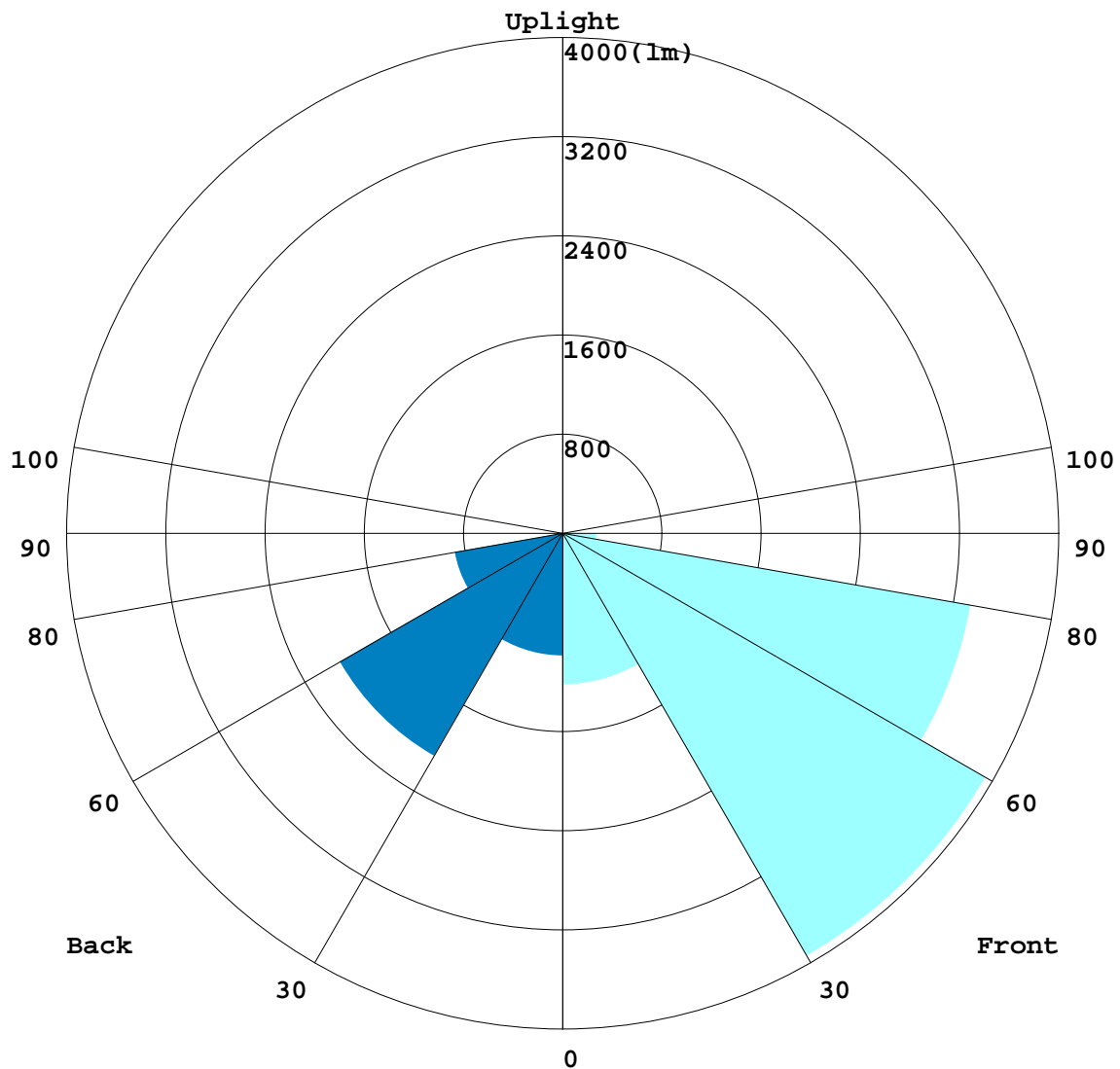
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-2

$\gamma$  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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-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)	1219.4	9.6
FM - Front-Medium(30-60)	3937.3	30.9
FH - Front-High(60-80)	3339.6	26.2
FVH - Front-Very High(80-90)	274.23	2.1
Total Forward Light	8770.6	68.7

BL - Back-Low(0-30)	986.78	7.7
BM - Back-Medium(30-60)	2074.4	16.3
BH - Back-High(60-80)	882.87	6.9
BVH - Back-Very High(80-90)	47.073	0.4
Total Back Light	3991.1	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	B2-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3991.1	0	3991.1
Street Side	8770.6	0	8770.6

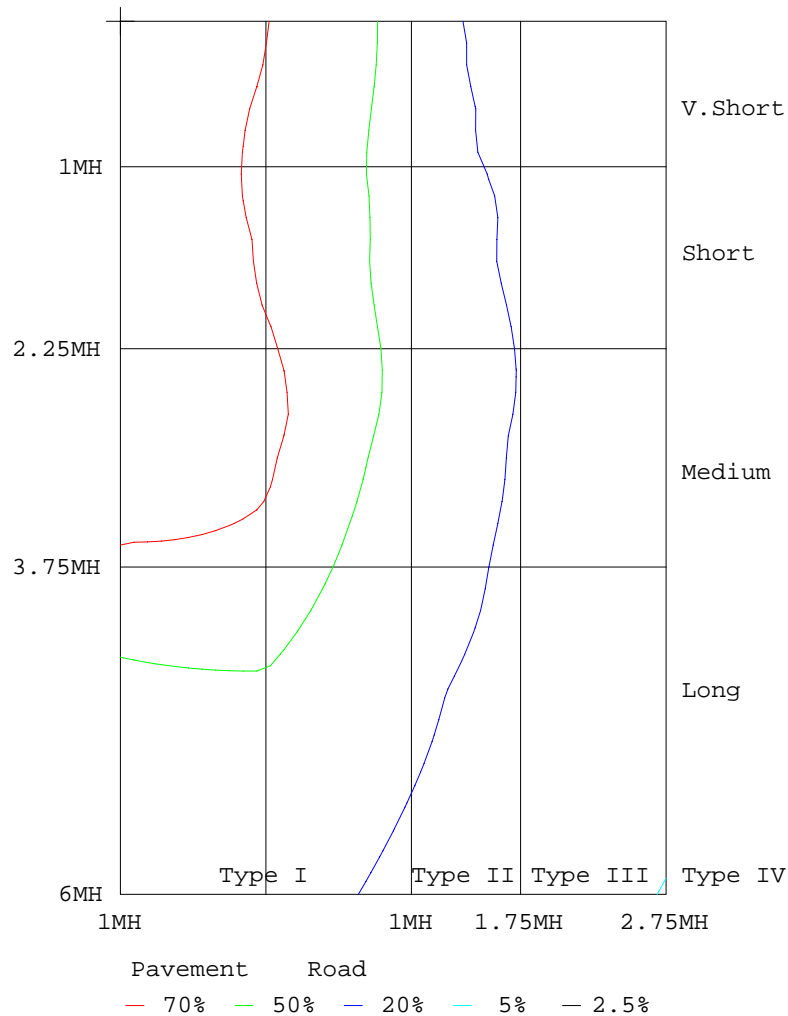
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-2

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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-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	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621	2621
5	2630	2661	2680	2704	2726	2732	2738	2729	2720	2693	2673	2647	2610	2587	2559	2544	2532	2520	2521
10	2632	2696	2737	2793	2827	2841	2853	2832	2813	2764	2721	2663	2600	2550	2495	2464	2439	2416	2423
15	2628	2727	2803	2882	2930	2955	2965	2937	2899	2828	2756	2673	2584	2506	2428	2377	2343	2316	2320
20	2635	2765	2875	2972	3027	3059	3056	3034	2974	2897	2792	2676	2557	2450	2360	2292	2246	2224	2221
25	2660	2820	2955	3063	3124	3160	3152	3119	3049	2959	2826	2676	2516	2385	2283	2205	2161	2140	2135
30	2705	2903	3053	3166	3237	3270	3268	3215	3132	3010	2855	2669	2473	2323	2199	2119	2076	2043	2040
35	2774	3017	3183	3298	3367	3404	3407	3330	3228	3063	2882	2666	2443	2262	2115	2030	1971	1913	1897
40	2868	3162	3352	3457	3523	3558	3548	3469	3331	3133	2919	2677	2425	2209	2042	1930	1824	1726	1690
45	2983	3320	3539	3638	3692	3716	3684	3610	3453	3234	2984	2704	2416	2164	1974	1808	1626	1471	1401
50	3154	3539	3720	3818	3861	3861	3811	3735	3589	3343	3060	2760	2427	2129	1894	1632	1393	1117	991
55	3273	3745	3951	4000	4021	3967	3891	3826	3713	3448	3152	2856	2488	2125	1791	1423	1046	728	680
60	3411	3904	4113	4209	4171	4034	3923	3894	3821	3565	3264	2955	2533	2088	1623	1171	663	577	592
65	3444	4053	4290	4351	4214	3934	3739	3814	3835	3669	3363	3072	2653	2066	1351	800	489	508	526
70	2824	3362	4251	4332	4078	3605	3333	3510	3725	3734	3515	3313	2788	1901	1030	490	403	414	409
75	1549	1547	2759	4089	3638	2822	2206	2704	3437	3626	3530	2573	2325	1268	518	312	301	290	281
80	408	294	883	2627	2818	1144	490	1081	2632	3157	2079	909	1152	439	173	193	188	156	144
85	46.7	46.8	87.0	421	658	189	153	200	956	1005	360	87.4	247	66.1	67.9	67.4	60.8	38.5	29.6
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:219.2V I:0.3263A P:70.99W PF:0.9924 Freq:50.01Hz Lamp Flux:12761.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-75WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2621	2621	2621	2621	2621														
5	2520	2535	2545	2568	2596														
10	2420	2453	2472	2522	2574														
15	2323	2360	2399	2469	2547														
20	2231	2267	2327	2414	2520														
25	2146	2181	2251	2362	2499														
30	2045	2103	2184	2321	2499														
35	1909	2003	2122	2296	2519														
40	1715	1851	2042	2276	2556														
45	1454	1640	1919	2249	2599														
50	1074	1389	1726	2198	2674														
55	696	977	1495	2088	2706														
60	566	617	1151	1764	2667														
65	494	478	713	1393	2446														
70	392	383	427	848	1706														
75	266	274	268	288	769														
80	141	157	144	126	137														
85	30.3	35.8	30.0	30.8	30.4														
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: