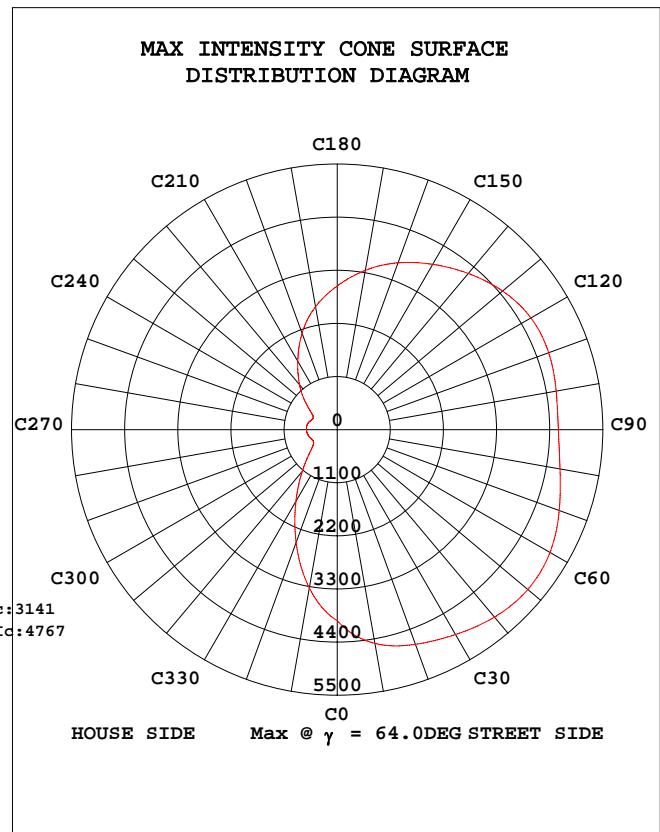
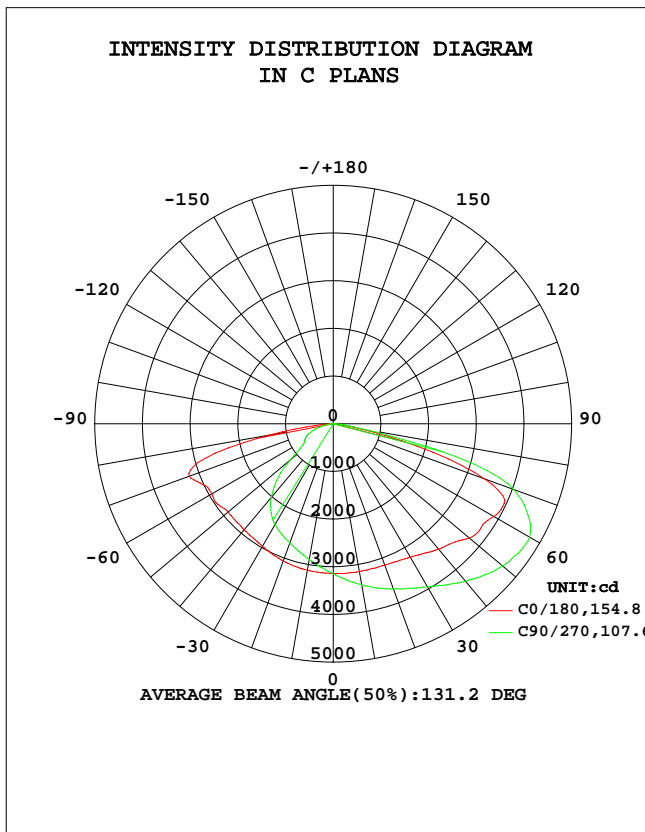


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.13 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	5124	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	68.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	15183	η house_up(%)	0.0
NOMINAL FLUX(lm)	15182.7	MAXIMUM @(C,γ )	45,64.0	η house_down(%)	31.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.335

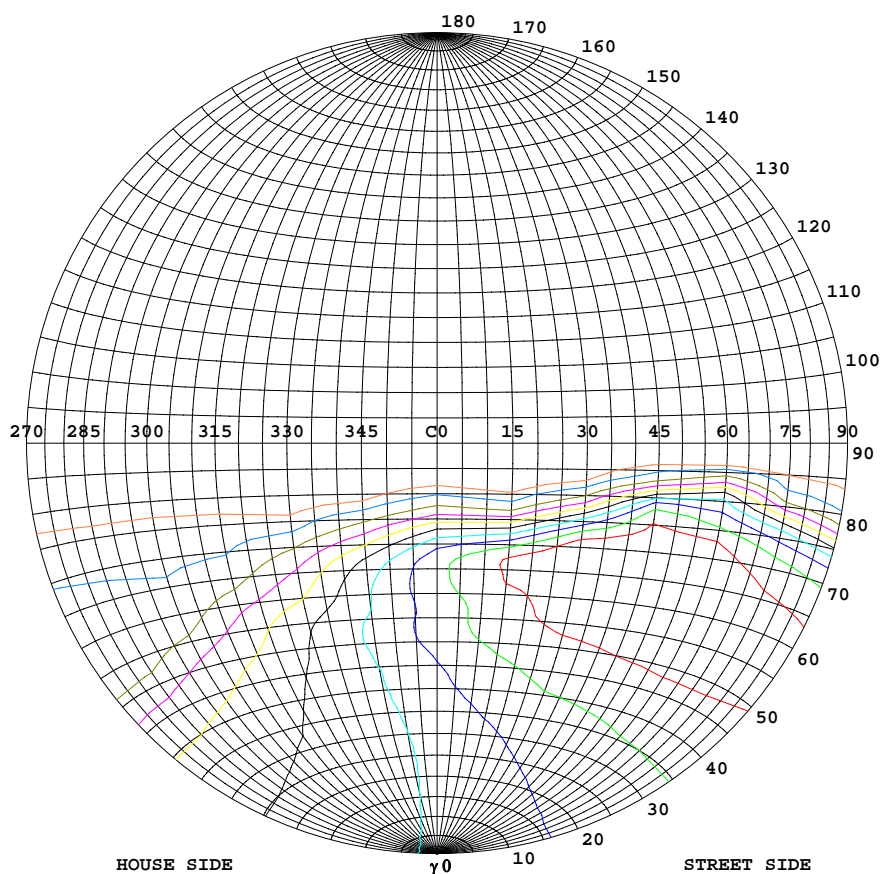


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-2

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:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



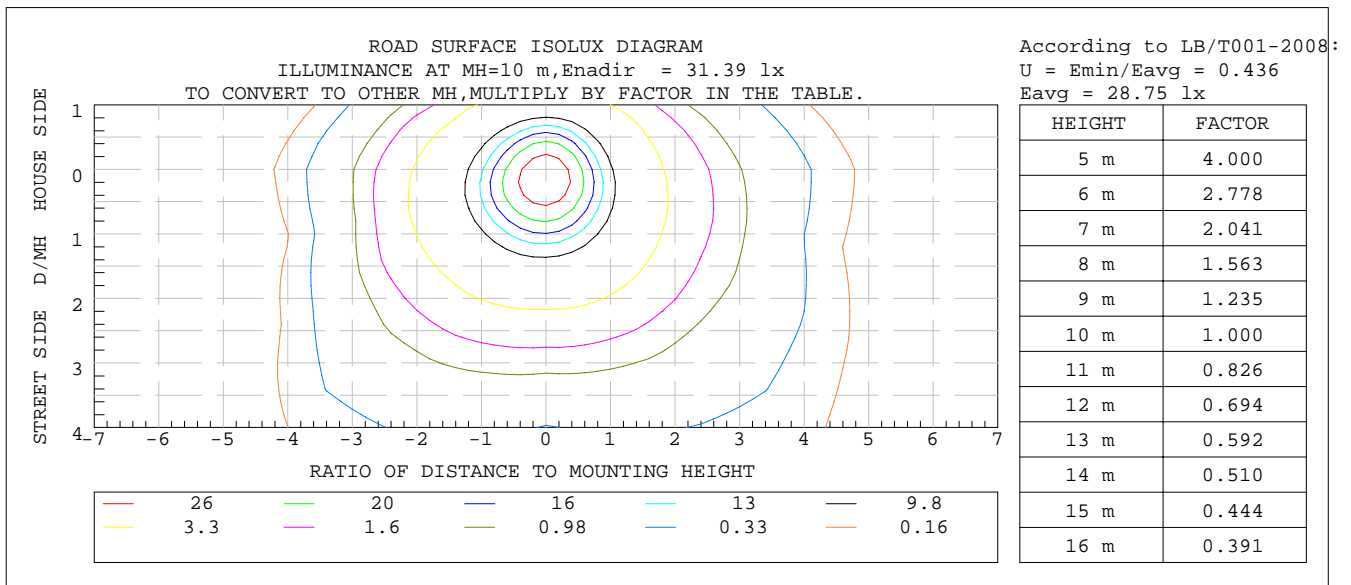
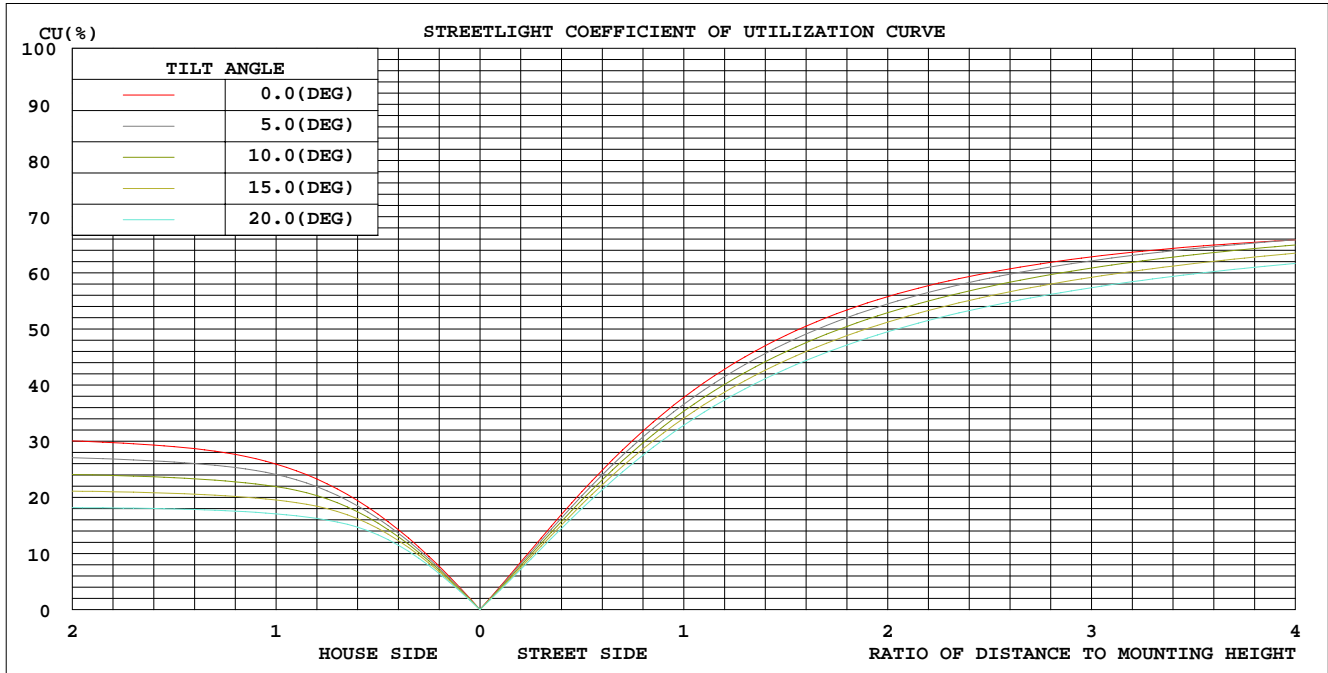
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:None cut-off  
CIE:Non-cut-off  
Max.At80:244.8cd/klm  
Max.At90:0cd/klm  
Max.80-90:244.8cd/klm  
NRB 5101:Semi limited[24.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5124
90%	4611
80%	4099
70%	3587
60%	3074
50%	2562
40%	2049
30%	1537
20%	1025
10%	512
5%	256

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:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

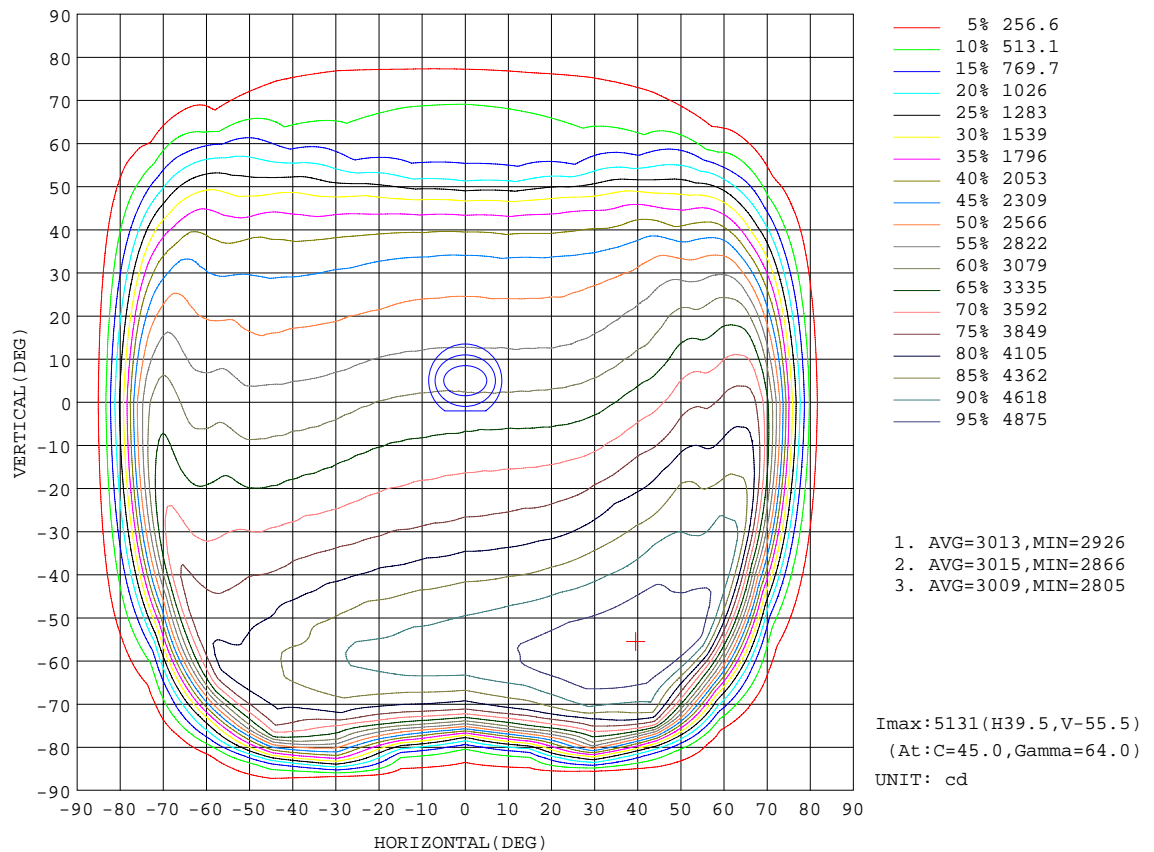
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	3145	3352	3434	3337	3116	2950	2898	2971	0- 10	300.5	300.5	1.98,1.98
20	3157	3568	3685	3496	3068	2744	2662	2783	10- 20	891.9	1192	7.85,7.85
30	3232	3806	3952	3640	2968	2542	2444	2620	20- 30	1456	2648	17.4,17.4
40	3436	4165	4309	3797	2908	2315	2023	2445	30- 40	1987	4635	30.5,30.5
50	3731	4608	4640	4051	2882	1945	1168	2073	40- 50	2453	7088	46.7,46.7
60	3890	5024	4756	4312	2939	1394	691.6	1380	50- 60	2771	9859	64.9,64.9
70	3370	4973	4020	4397	3217	550.3	483.8	484.6	60- 70	2877	12736	83.9,83.9
80	465.1	3000	587.1	3716	1323	227.0	165.4	169.6	70- 80	2078	14814	97.6,97.6
90	0	0	0	0	0	0	0	0	80- 90	368.4	15183	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15183	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15183	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15183	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15183	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15183	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15183	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15183	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15183	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15183	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

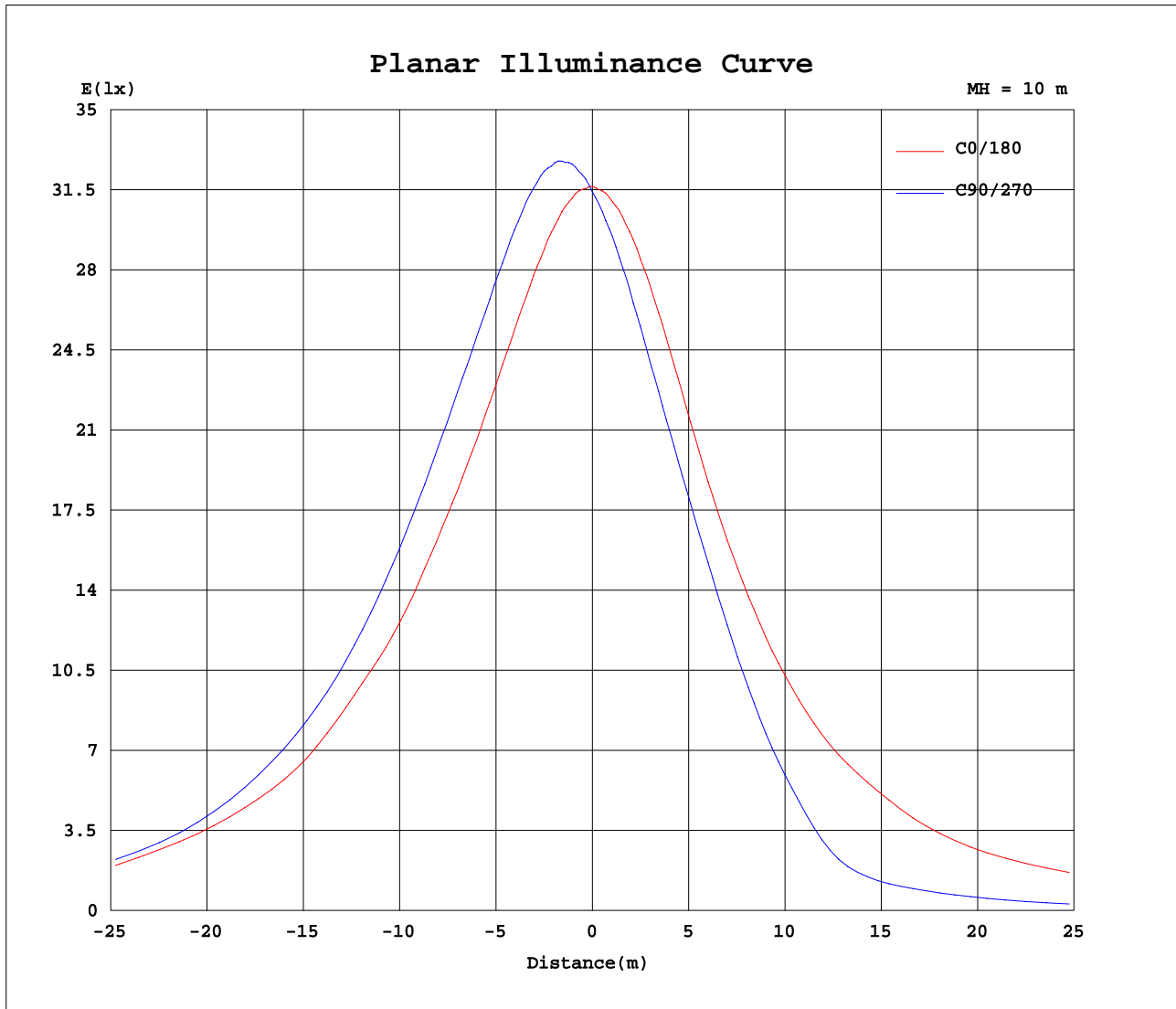
Test:U:219.2V I:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



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



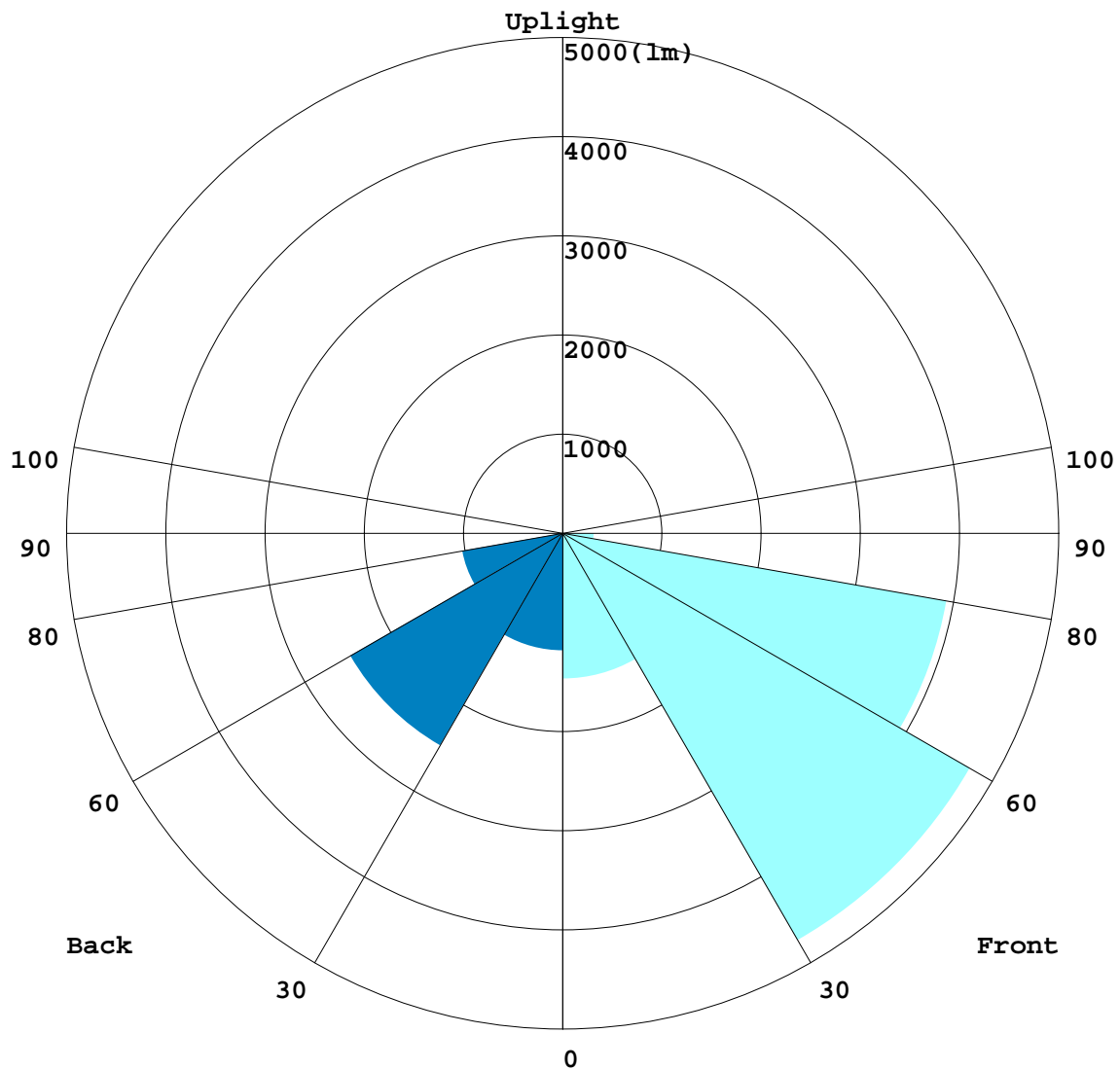
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-2

$\gamma$  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:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-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:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-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)	1466.6	9.7
FM - Front-Medium(30-60)	4739.5	31.2
FH - Front-High(60-80)	3928.6	25.9
FVH - Front-Very High(80-90)	313.33	2.1
Total Forward Light	10448	68.8

BL - Back-Low(0-30)	1181.7	7.8
BM - Back-Medium(30-60)	2471	16.3
BH - Back-High(60-80)	1027	6.8
BVH - Back-Very High(80-90)	55.031	0.4
Total Back Light	4734.7	31.2

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	4734.7	0	4734.7
Street Side	10448	0	10448

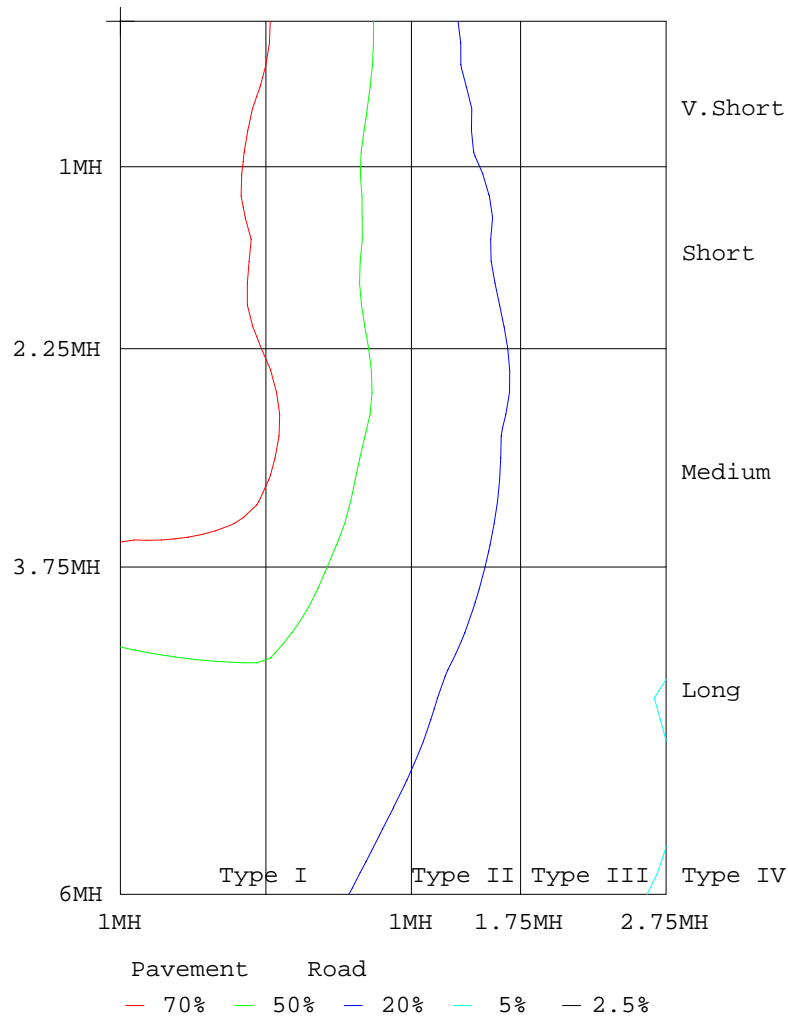
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-2

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:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-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:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-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	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145	3145
5	3149	3190	3216	3245	3273	3282	3291	3280	3264	3243	3203	3169	3134	3104	3070	3048	3032	3018	3019
10	3145	3231	3287	3352	3402	3417	3434	3410	3381	3337	3264	3191	3116	3058	2993	2950	2921	2892	2898
15	3145	3269	3367	3459	3524	3552	3568	3533	3485	3421	3321	3213	3096	3005	2910	2844	2806	2772	2775
20	3157	3314	3455	3568	3641	3680	3685	3649	3584	3496	3370	3220	3068	2937	2826	2744	2695	2663	2662
25	3183	3380	3550	3681	3763	3807	3807	3763	3680	3567	3403	3213	3022	2858	2733	2644	2593	2563	2558
30	3232	3481	3671	3806	3905	3946	3952	3886	3781	3640	3435	3199	2968	2783	2640	2542	2493	2449	2444
35	3318	3621	3833	3969	4068	4113	4127	4037	3896	3711	3475	3201	2925	2710	2542	2435	2369	2293	2274
40	3436	3795	4040	4165	4259	4305	4309	4207	4031	3797	3528	3224	2908	2650	2453	2315	2191	2068	2023
45	3539	3961	4261	4388	4470	4509	4484	4389	4192	3910	3602	3241	2890	2589	2362	2163	1948	1758	1678
50	3731	4215	4451	4608	4681	4692	4640	4554	4361	4051	3673	3277	2882	2524	2259	1945	1671	1328	1168
55	3790	4408	4720	4797	4874	4824	4735	4667	4516	4177	3752	3384	2952	2513	2125	1692	1245	836	784
60	3890	4485	4819	5024	5051	4876	4756	4729	4638	4312	3881	3483	2939	2434	1927	1394	758	671	692
65	3956	4657	4930	5121	5061	4717	4499	4588	4620	4382	3973	3543	3018	2366	1574	925	562	595	618
70	3370	3923	4910	4973	4840	4335	4020	4199	4445	4397	4049	3821	3217	2212	1200	550	463	488	484
75	1801	1798	3279	4632	4203	3444	2658	3246	4026	4190	4122	3044	2755	1497	600	356	345	337	327
80	465	293	1001	3000	3177	1295	587	1263	3003	3716	2439	1005	1323	497	200	227	221	180	165
85	57.9	59.3	106	463	751	252	195	268	1172	1078	387	103	266	81.4	81.6	81.7	73.0	44.6	31.9
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:219.2V I:0.4478A P:97.87W PF:0.9970 Freq:50.01Hz Lamp Flux:15182.7x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-3070-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	3145	3145	3145	3145	3145													
5	3017	3031	3057	3083	3115													
10	2897	2925	2971	3018	3078													
15	2780	2817	2877	2945	3039													
20	2670	2713	2783	2880	3010													
25	2564	2610	2695	2824	2991													
30	2445	2508	2620	2779	2991													
35	2286	2390	2545	2744	3007													
40	2049	2210	2445	2717	3047													
45	1738	1960	2294	2686	3089													
50	1274	1667	2073	2628	3177													
55	799	1157	1800	2497	3150													
60	660	706	1380	2044	3053													
65	579	547	816	1617	2852													
70	460	438	485	995	2038													
75	308	313	308	323	908													
80	162	183	170	147	165													
85	35.0	43.4	37.0	39.7	38.7													
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: