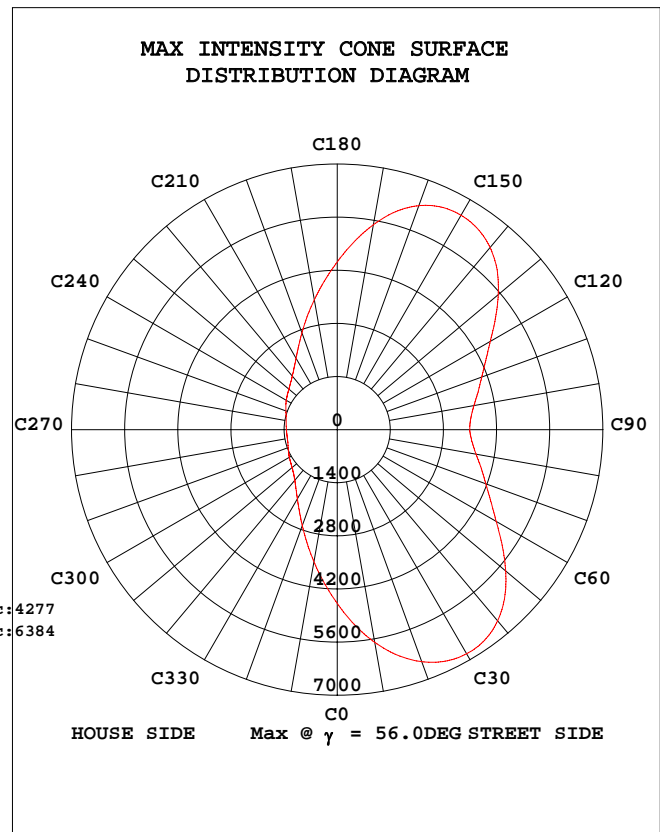
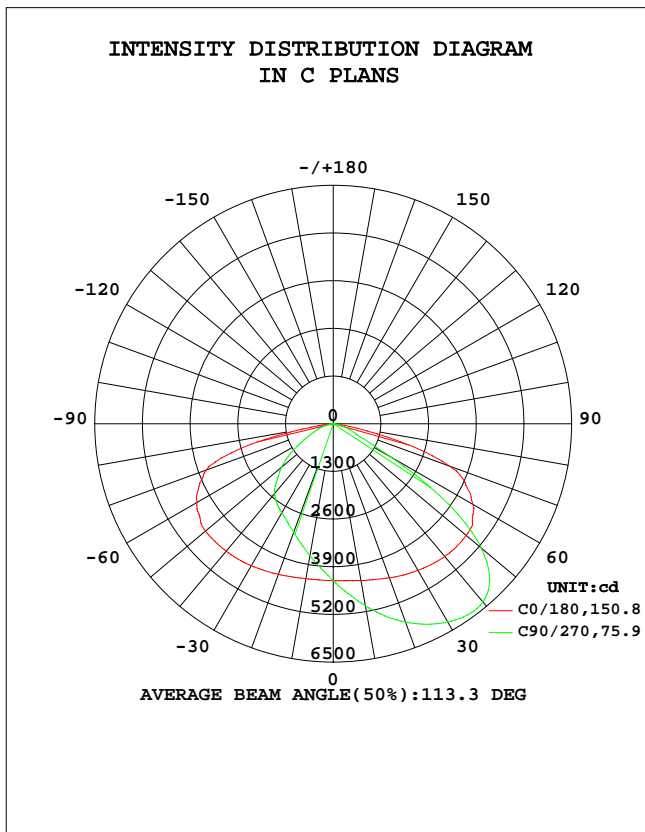


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.33 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6818	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	67.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16894	η house_up(%)	0.0
NOMINAL FLUX(lm)	16894.1	MAXIMUM @(C,γ )	30,56.0	η house_down(%)	32.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.332

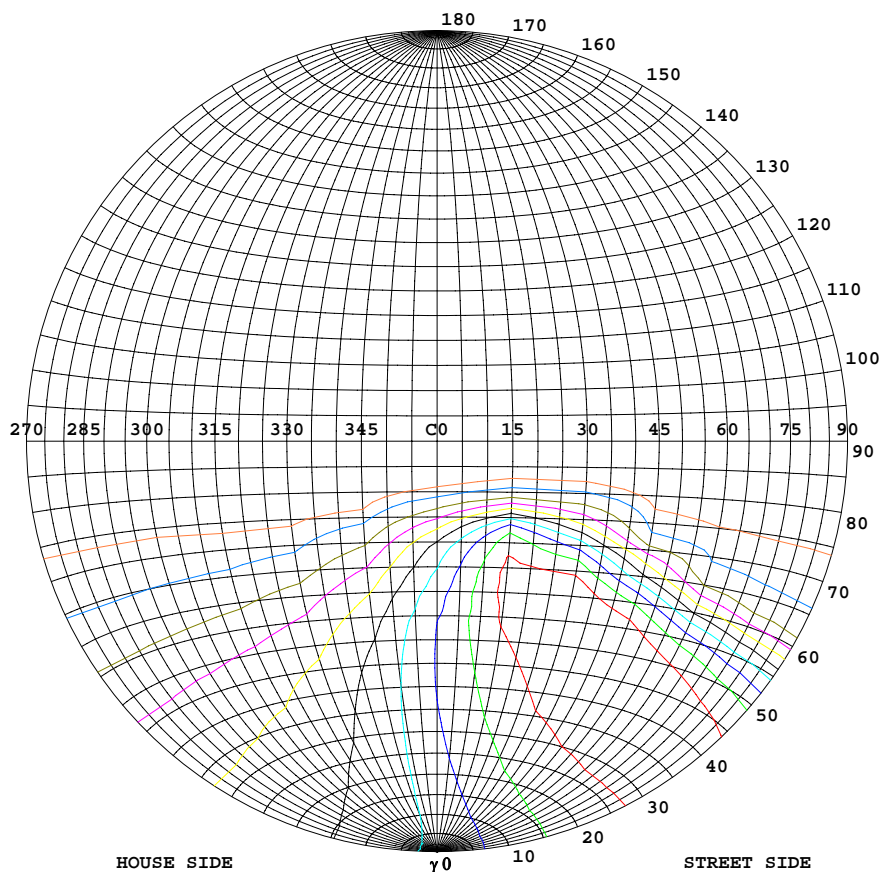


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

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:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



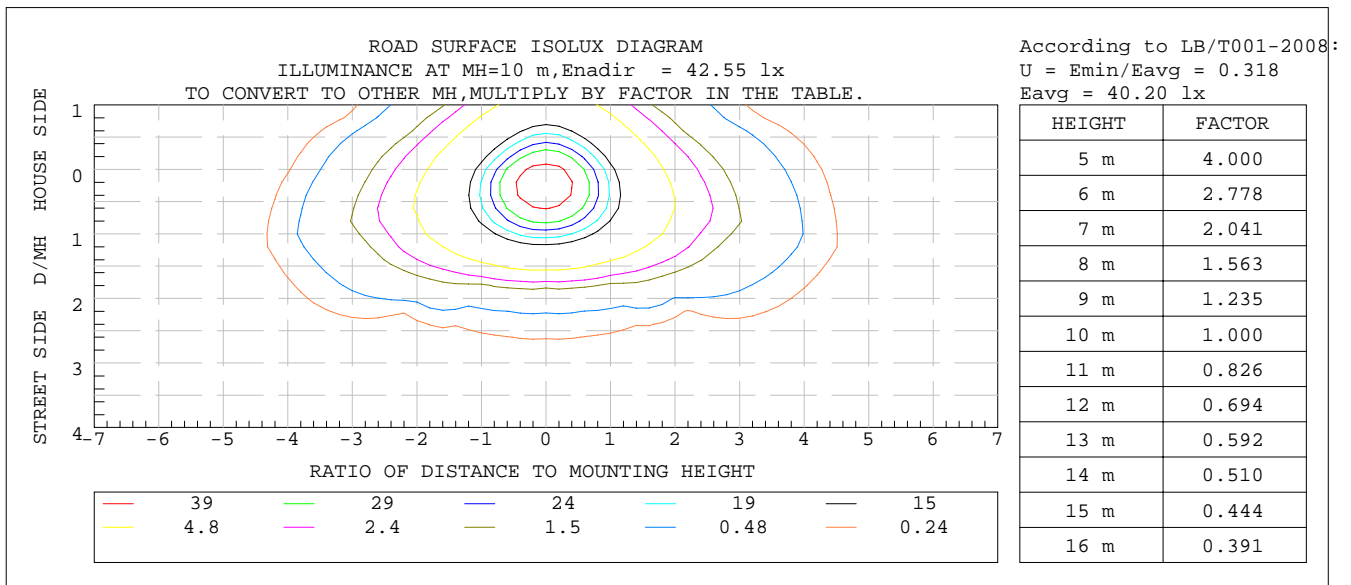
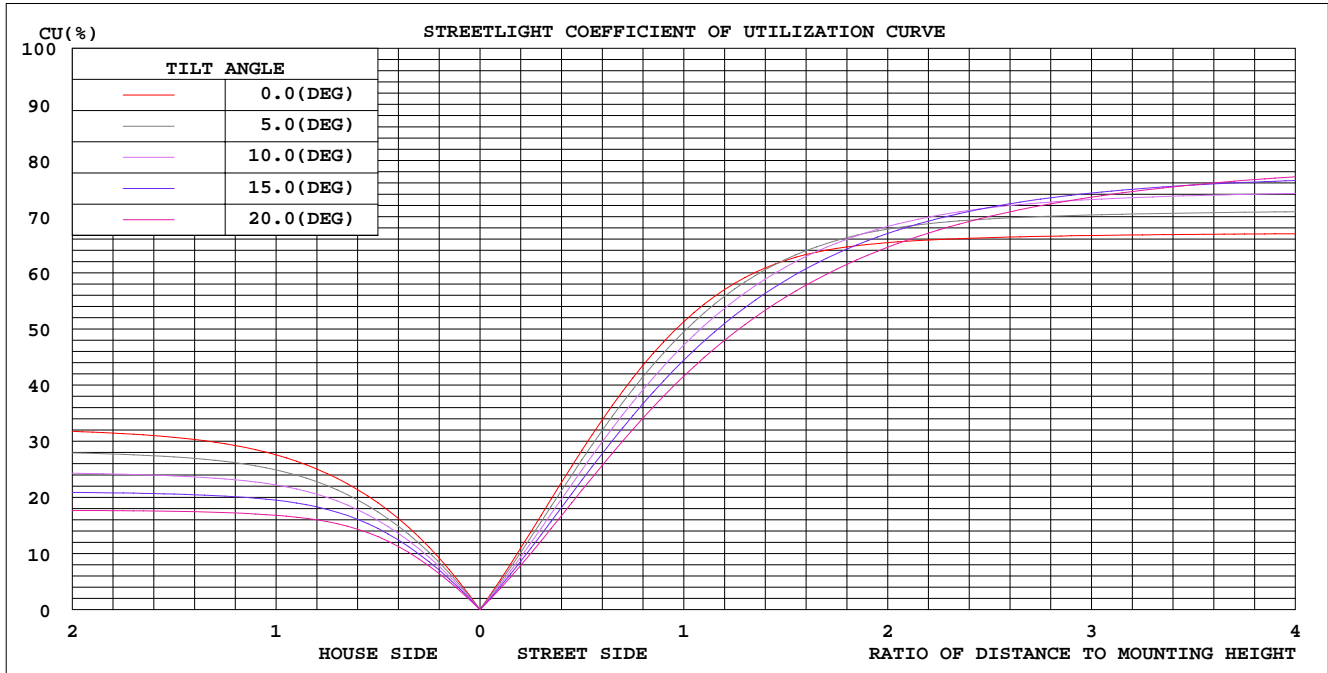
## Classification:

IES:Type II - Short  
CIE:Average - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:79.38cd/klm  
Max.At90:0cd/klm  
Max.80-90:79.38cd/klm  
NRB 5101:Semi limited[23.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6818
90%	6137
80%	5455
70%	4773
60%	4091
50%	3409
40%	2727
30%	2046
20%	1364
10%	682
5%	341

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

$\gamma$  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: 2024-12-26

$\gamma$  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:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

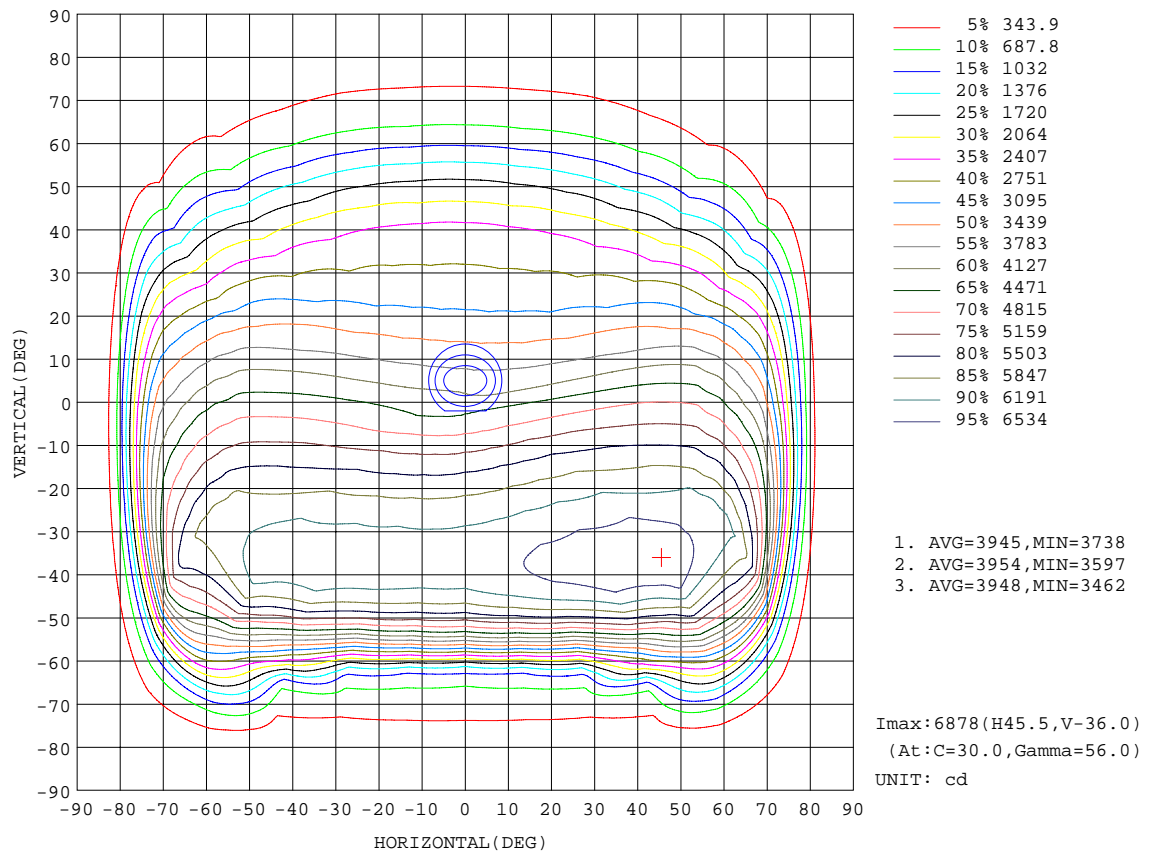
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	4341	4869	5037	4811	4290	3831	3654	3835	0- 10	410.9	410.9	2.43,2.43
20	4471	5543	5755	5397	4371	3444	3155	3437	10- 20	1246	1657	9.81,9.81
30	4617	6108	6243	5934	4470	3086	2804	3070	20- 30	2084	3741	22.1,22.1
40	4727	6557	6342	6367	4538	2727	2493	2706	30- 40	2870	6611	39.1,39.1
50	4736	6734	5262	6477	4547	2249	1836	2175	40- 50	3440	10051	59.5,59.5
60	4401	5356	1820	5089	4289	1387	988.1	1259	50- 60	3360	13411	79.4,79.4
70	3358	1700	491.6	1438	3673	512.5	455.8	466.9	60- 70	2321	15732	93.1,93.1
80	473.8	213.2	116.7	221.2	852.1	147.5	120.0	125.0	70- 80	1058	16790	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	104.4	16894	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16894	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16894	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16894	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16894	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16894	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16894	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16894	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16894	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16894	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:2024-12-26

$\gamma$  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

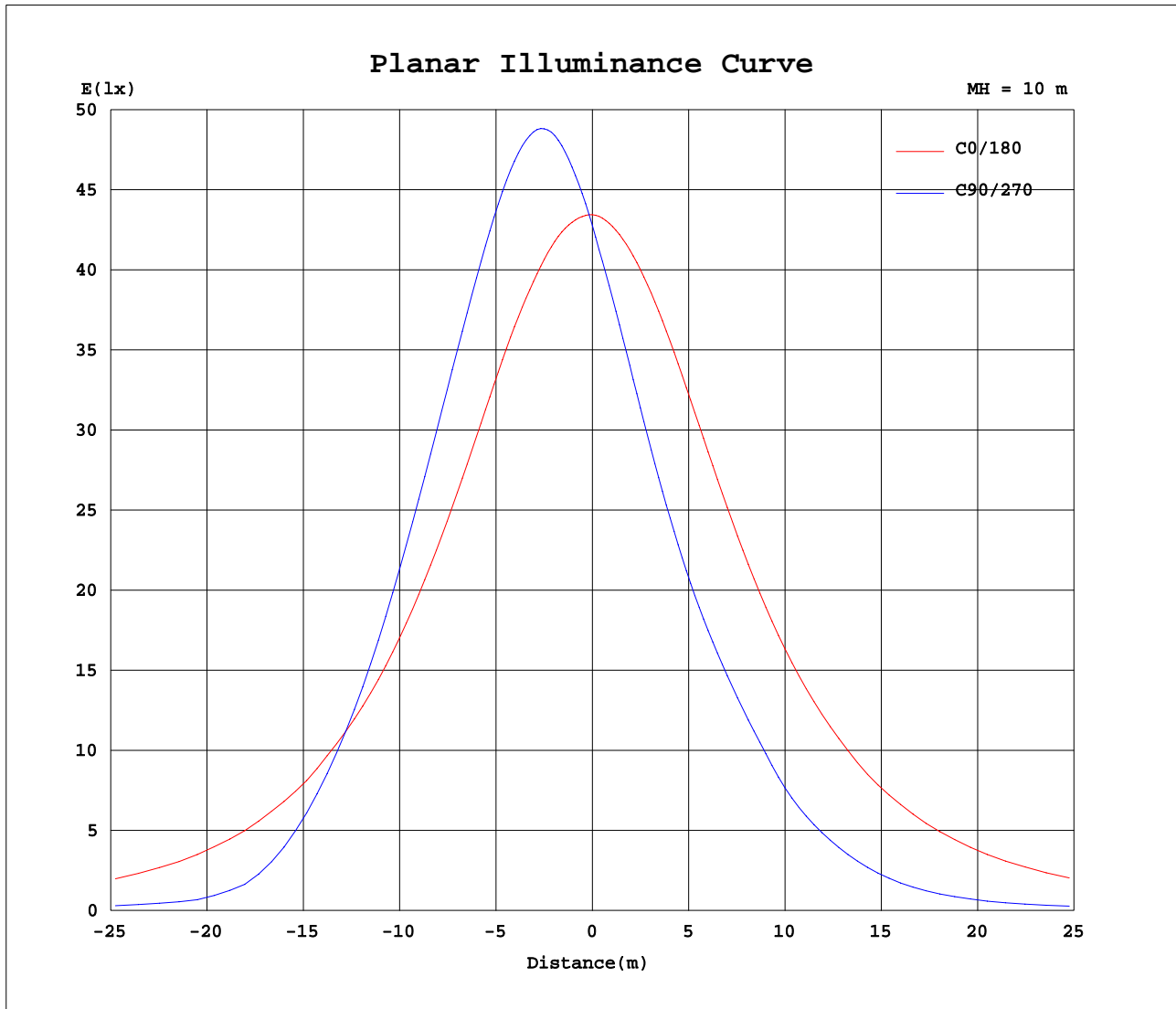
Test:U:219.2V I:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

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



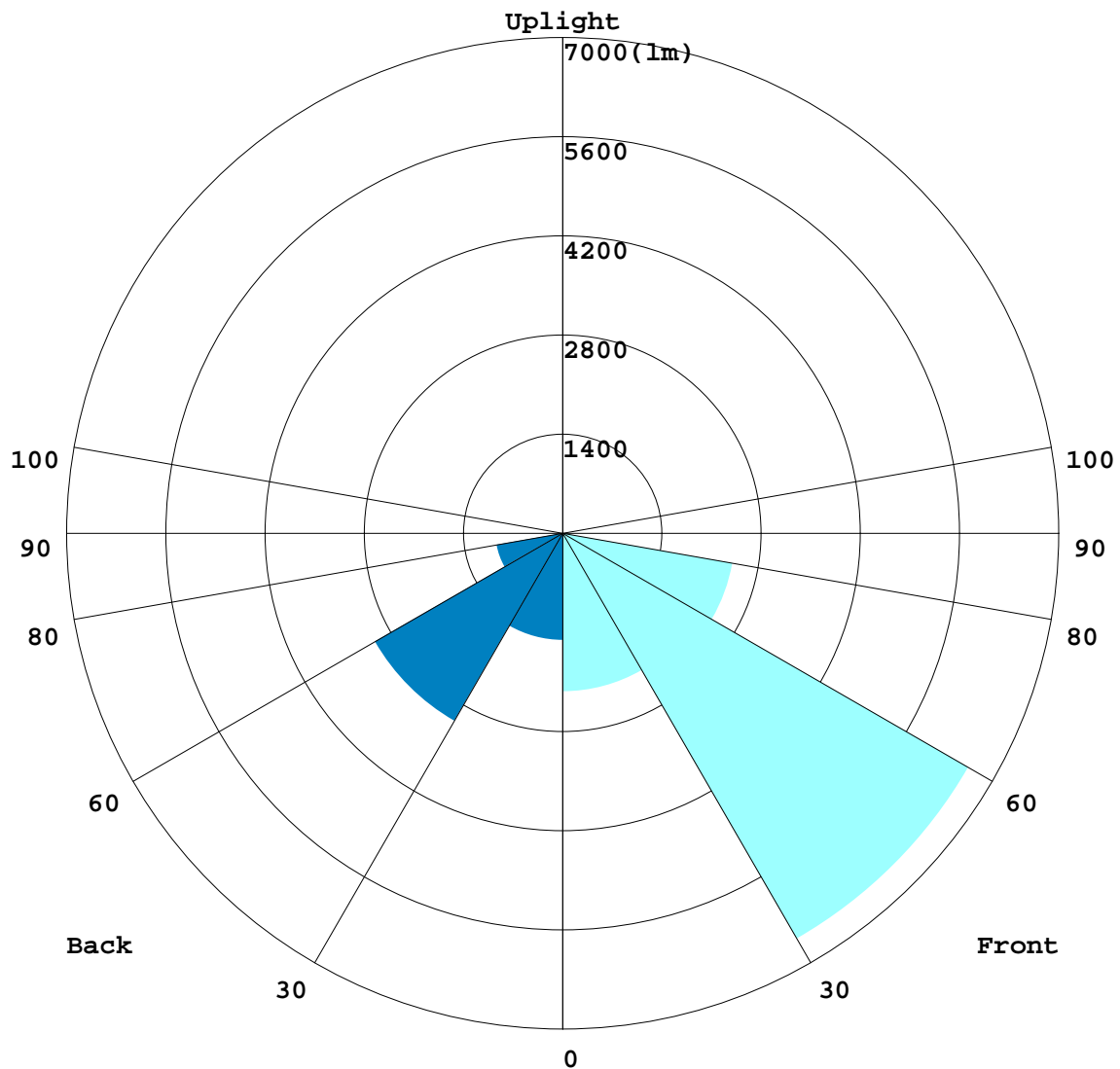
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-26

$\gamma$  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:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-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:2024-12-26

$\gamma$  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:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-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)	2233.9	13.2
FM - Front-Medium(30-60)	6611	39.1
FH - Front-High(60-80)	2432.1	14.4
FVH - Front-Very High(80-90)	68.132	0.4
Total Forward Light	11345	67.2

BL - Back-Low(0-30)	1507.1	8.9
BM - Back-Medium(30-60)	3058.7	18.1
BH - Back-High(60-80)	946.77	5.6
BVH - Back-Very High(80-90)	36.29	0.2
Total Back Light	5548.9	32.8

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5548.9	0	5548.9
Street Side	11345	0	11345

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-26

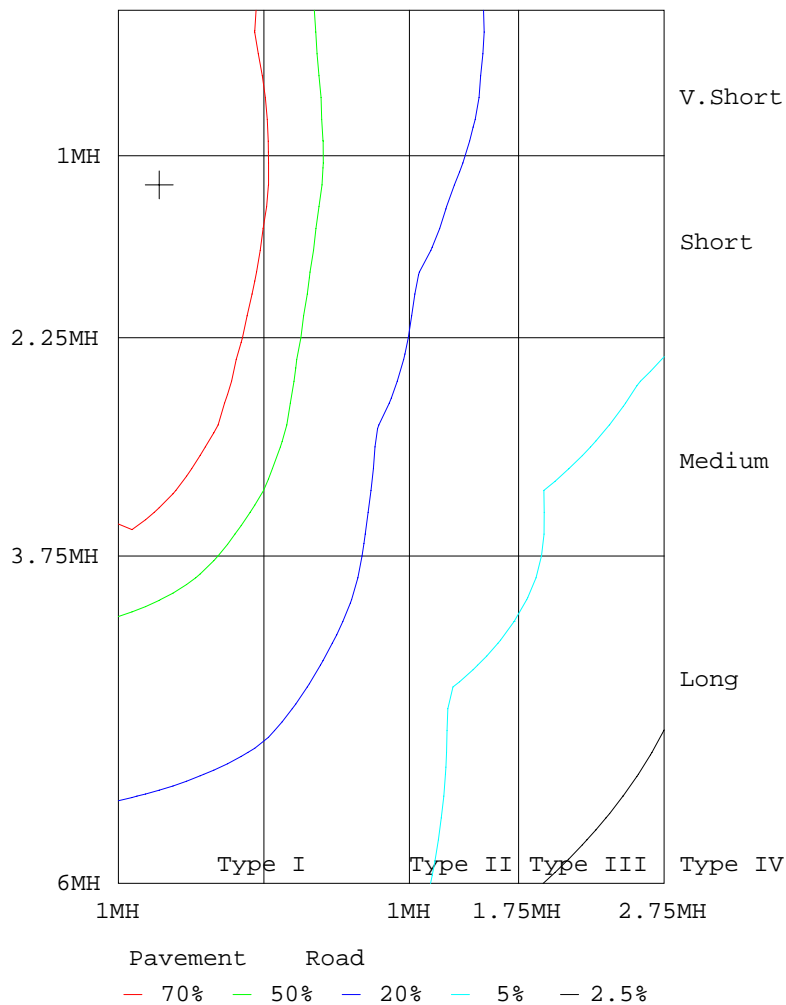
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-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:2024-12-26

$\gamma$  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:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279	4279
5	4295	4389	4478	4550	4606	4638	4644	4630	4590	4534	4459	4370	4275	4184	4102	4036	3987	3956	3947
10	4341	4536	4720	4869	4972	5030	5037	5006	4925	4811	4664	4484	4290	4106	3957	3831	3733	3674	3654
15	4397	4708	4999	5216	5354	5418	5420	5372	5267	5110	4891	4620	4323	4050	3824	3634	3495	3414	3388
20	4471	4901	5281	5543	5690	5759	5755	5706	5582	5397	5125	4772	4371	4005	3688	3444	3281	3187	3155
25	4549	5093	5547	5842	5986	6047	6032	5989	5871	5673	5365	4934	4420	3951	3552	3262	3084	2988	2959
30	4617	5273	5796	6108	6238	6277	6243	6216	6121	5934	5600	5093	4470	3894	3413	3086	2904	2823	2804
35	4679	5438	6028	6340	6448	6442	6369	6376	6326	6163	5823	5252	4511	3823	3263	2914	2753	2688	2670
40	4727	5602	6248	6557	6585	6480	6342	6399	6443	6367	6036	5408	4538	3725	3094	2727	2597	2526	2493
45	4746	5769	6466	6721	6544	6266	6034	6154	6376	6507	6239	5557	4549	3599	2881	2527	2378	2222	2166
50	4736	5953	6669	6734	6164	5599	5262	5473	5964	6477	6431	5725	4547	3429	2623	2249	2012	1884	1836
55	4630	6144	6813	6381	5139	4287	3870	4186	4944	6101	6529	5911	4441	3153	2257	1841	1636	1489	1433
60	4401	6269	6652	5356	3332	2246	1820	2203	3218	5089	6373	5990	4289	2756	1799	1387	1179	1032	988
65	3994	6217	5919	3540	1324	838	735	842	1298	3374	5616	6006	4039	2205	1237	875	758	669	650
70	3358	5823	4406	1700	631	524	492	529	638	1438	4101	5777	3673	1516	677	512	482	465	456
75	1889	3911	2349	509	351	312	295	317	353	504	2457	4562	2608	733	332	305	307	293	280
80	474	934	735	213	148	127	117	129	154	221	885	1341	852	205	155	148	150	133	120
85	66.3	109	125	55.7	37.2	32.0	27.7	31.7	40.0	64.2	145	172	115	63.5	51.3	42.5	43.1	36.3	35.0
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:2024-12-26

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:0.5669A P:120.4W PF:0.9686 Freq:50.01Hz Lamp Flux:16894.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	4279	4279	4279	4279	4279														
5	3957	3991	4042	4112	4198														
10	3674	3733	3835	3973	4141														
15	3413	3489	3632	3838	4091														
20	3181	3270	3437	3702	4047														
25	2984	3069	3247	3560	4002														
30	2822	2889	3070	3412	3948														
35	2678	2737	2901	3259	3883														
40	2505	2567	2706	3086	3791														
45	2186	2321	2480	2873	3664														
50	1843	1932	2175	2587	3476														
55	1441	1546	1722	2194	3176														
60	994	1088	1259	1699	2729														
65	648	705	790	1083	2088														
70	453	463	467	575	1289														
75	283	288	275	292	524														
80	120	134	125	126	163														
85	32.8	34.0	32.0	36.8	47.3														
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:2024-12-26

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: