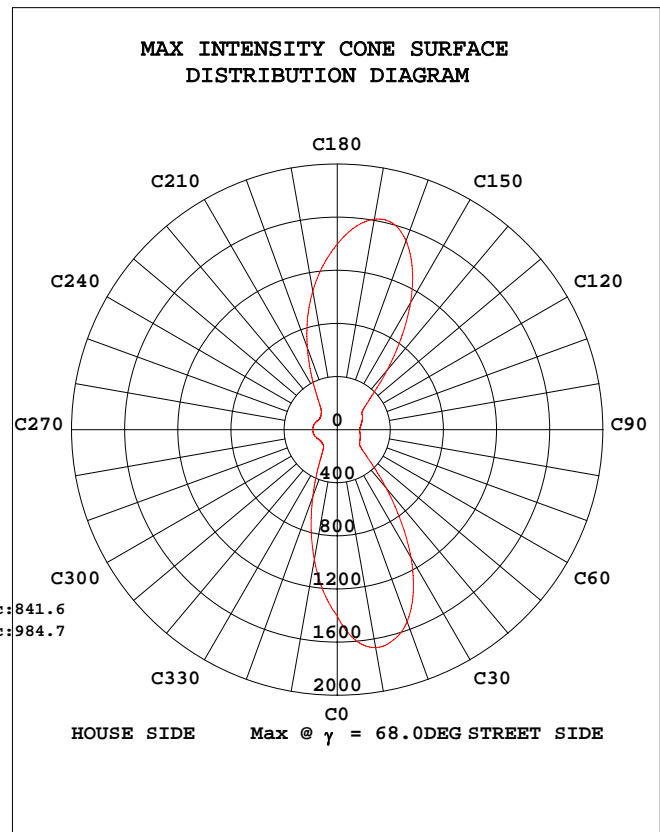
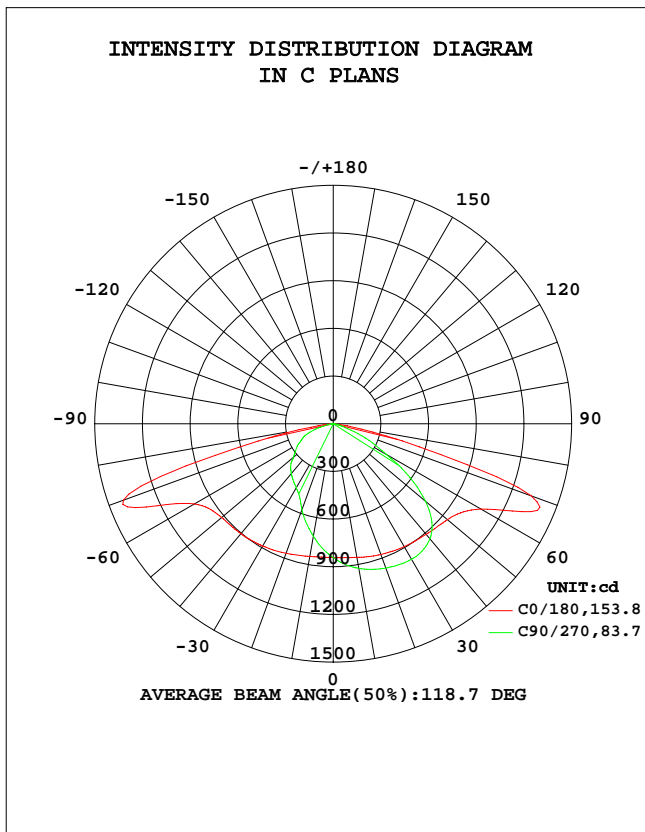


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WILE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 164.62 lm/W			
MODEL	3030	Imax(cd)	1638	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	$\eta$ street_down(%)	62.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3263	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	3262.89	MAXIMUM @(C, $\gamma$ )	15,68.0	$\eta$ house_down(%)	37.5
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	18.648

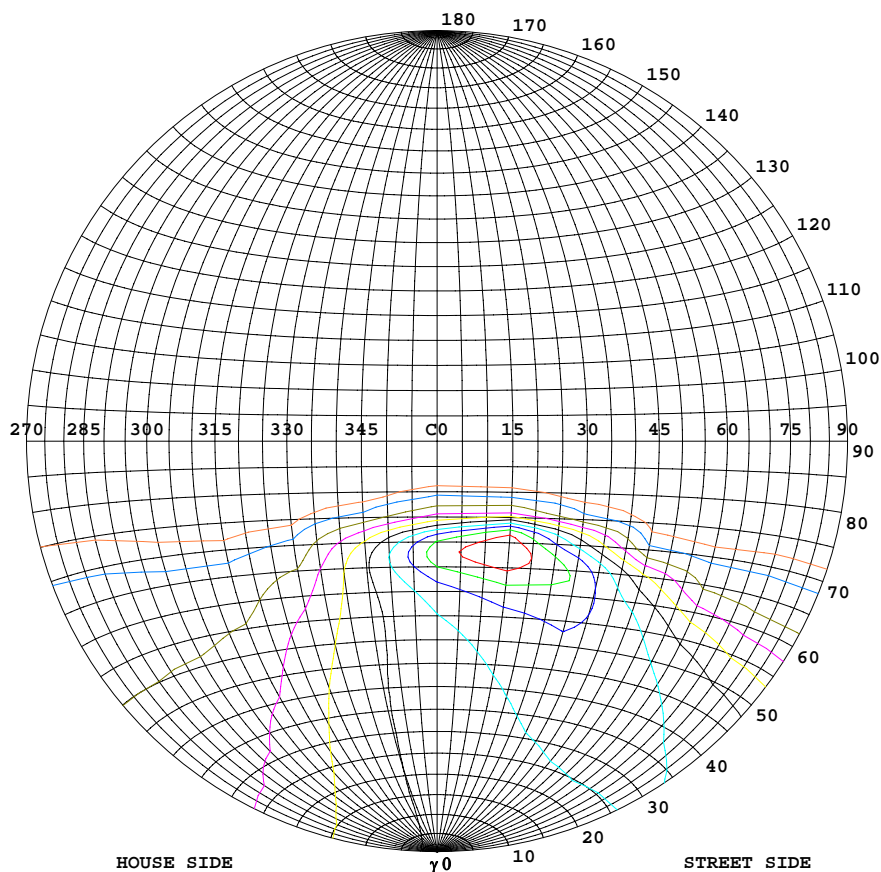


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-12

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



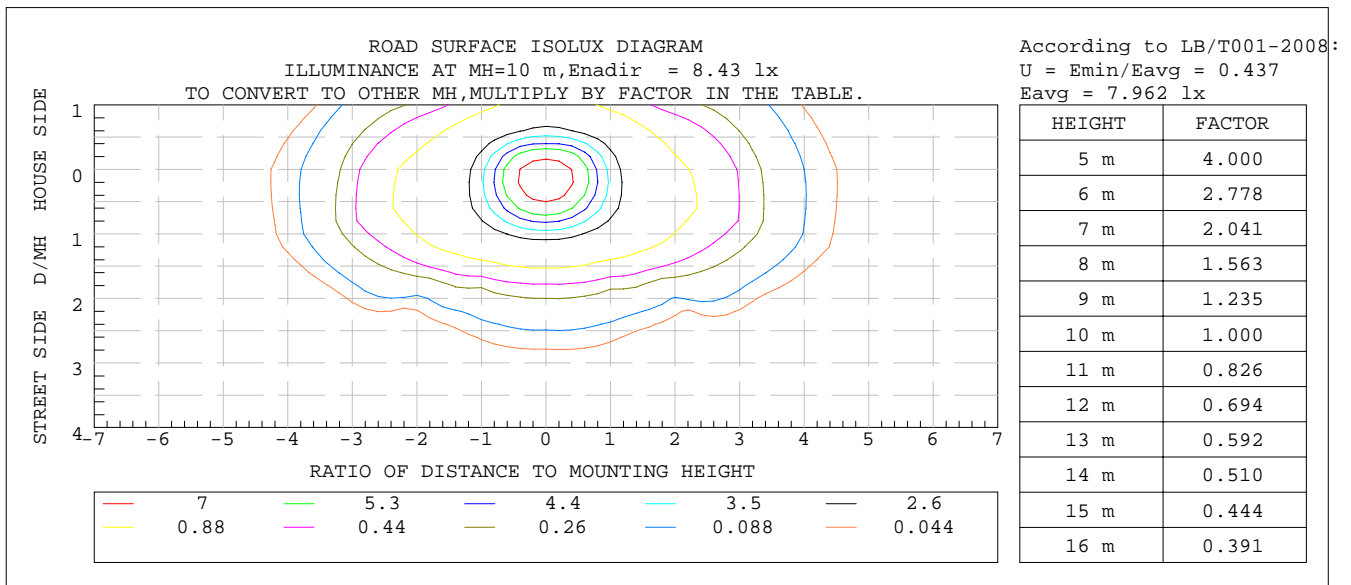
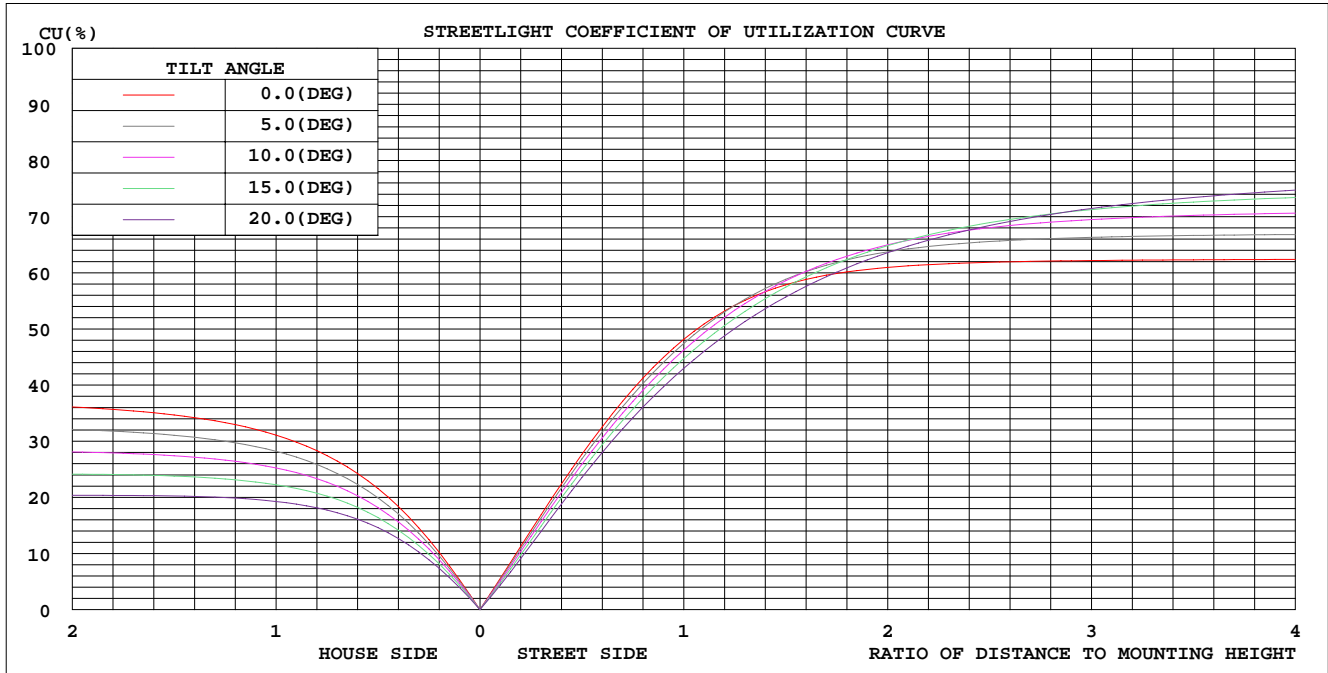
## Classification:

IES:Type II - Medium  
CIE:Narrow - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:67.42cd/klm  
Max.At90:0cd/klm  
Max.80-90:67.42cd/klm  
NRB 5101:Limited[4.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1638
90%	1474
80%	1310
70%	1147
60%	983
50%	819
40%	655
30%	491
20%	328
10%	164
5%	82

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

$\gamma$  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: 2024-12-12

$\gamma$  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:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

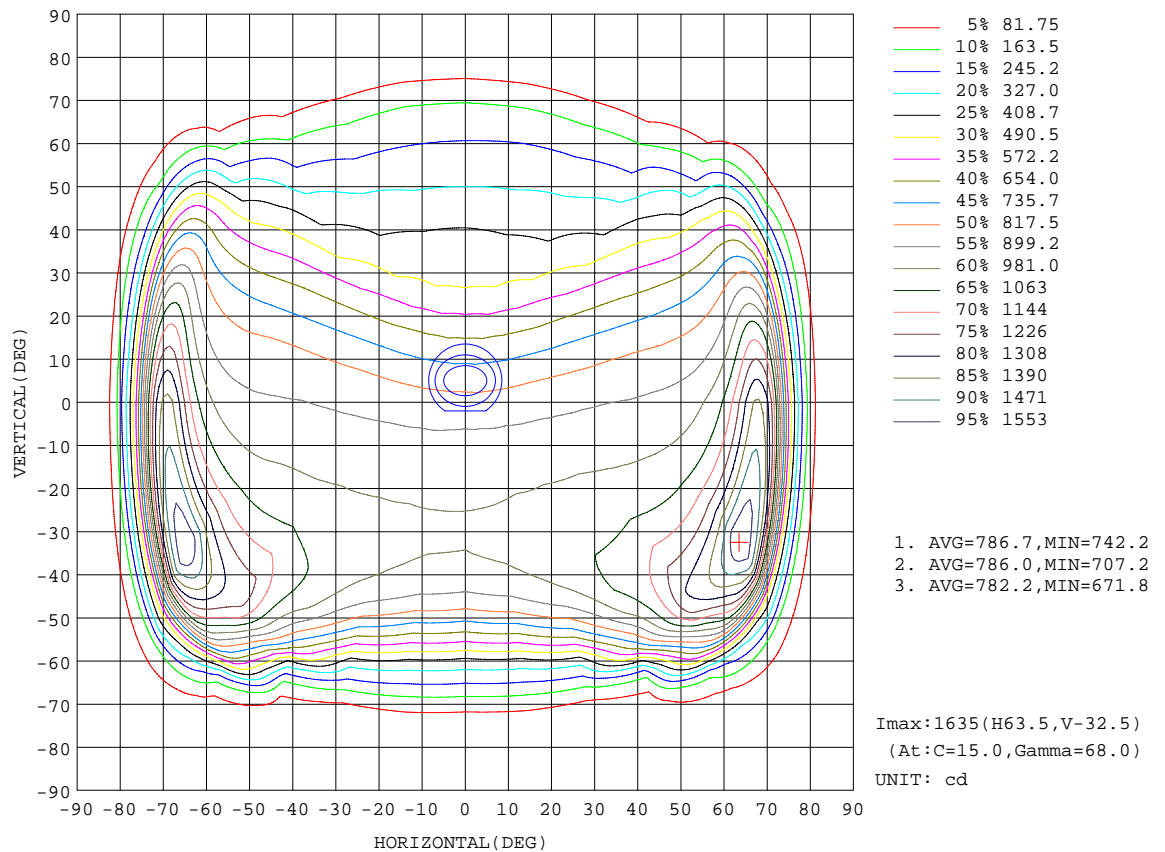
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	854.2	907.3	923.8	905.8	847.7	767.0	719.4	766.0	0- 10	80.12	80.12	2.46,2.46
20	875.3	957.2	966.6	952.8	867.8	691.8	576.7	686.3	10- 20	235.0	315.1	9.66,9.66
30	892.8	996.6	984.5	983.9	888.3	614.2	465.6	606.0	20- 30	375.4	690.6	21.2,21.2
40	908.5	1042	946.1	1022	903.3	522.2	410.5	503.4	30- 40	498.8	1189	36.4,36.4
50	938.7	1075	756.3	1049	917.9	418.6	326.0	395.2	40- 50	591.8	1781	54.6,54.6
60	1075	925.5	383.8	902.4	1009	287.4	251.0	268.7	50- 60	623.6	2405	73.7,73.7
70	1324	205.8	119.5	252.1	1405	131.4	156.0	111.8	60- 70	588.8	2993	91.7,91.7
80	134.1	23.29	19.89	28.08	220.0	23.14	22.84	18.30	70- 80	255.7	3249	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	13.71	3263	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3263	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3263	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3263	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3263	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3263	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3263	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3263	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3263	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3263	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:2024-12-12

$\gamma$  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

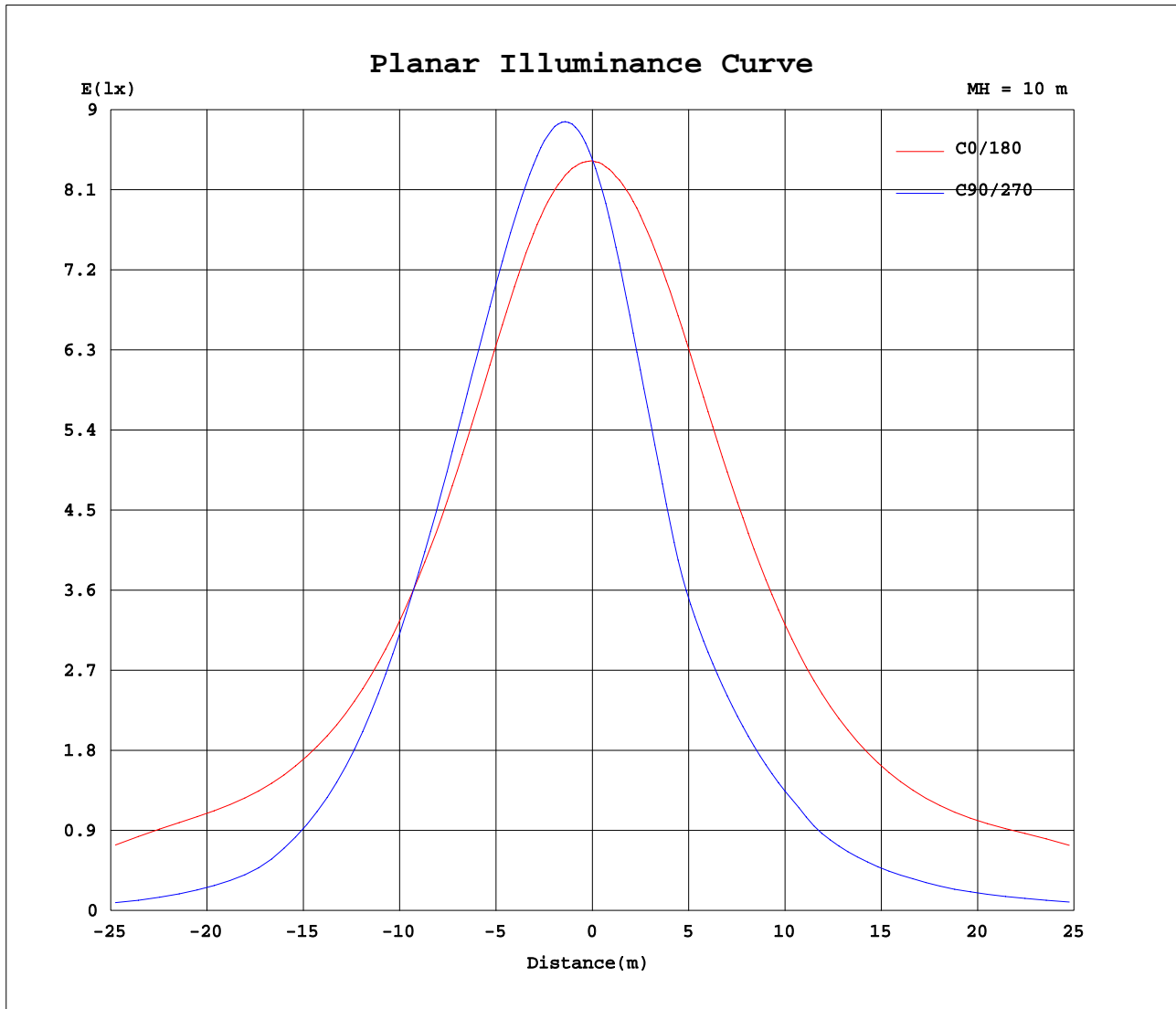
Test:U:219.3V I:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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

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



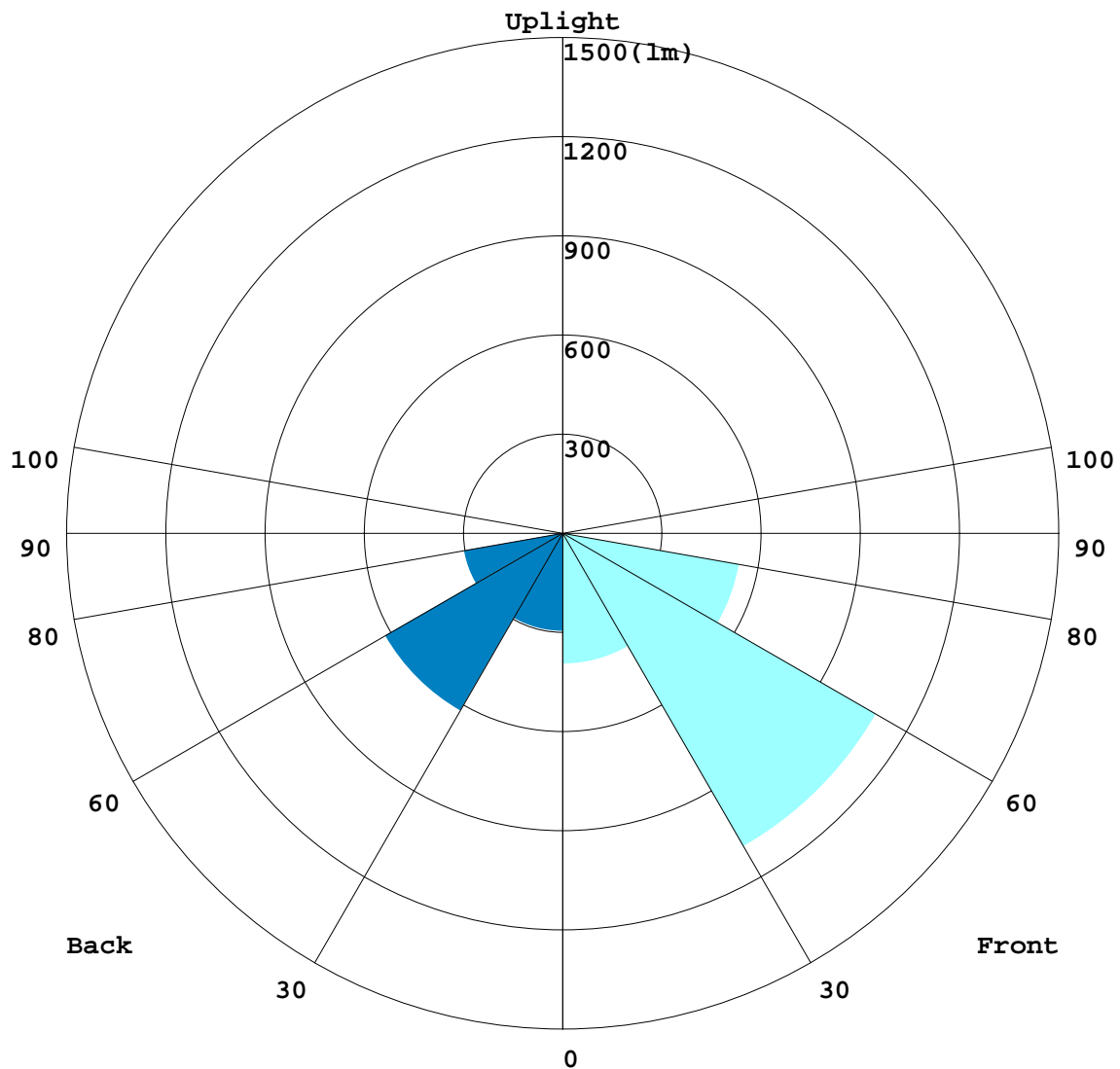
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-12

$\gamma$  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:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-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:2024-12-12

$\gamma$  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:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-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)	394.83	12.1
FM - Front-Medium(30-60)	1094.2	33.5
FH - Front-High(60-80)	541.75	16.6
FVH - Front-Very High(80-90)	7.5563	0.2
Total Forward Light	2038.3	62.5

BL - Back-Low(0-30)	295.73	9.1
BM - Back-Medium(30-60)	619.95	19.0
BH - Back-High(60-80)	302.74	9.3
BVH - Back-Very High(80-90)	6.1582	0.2
Total Back Light	1224.6	37.5

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1224.6	0	1224.6
Street Side	2038.3	0	2038.3

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

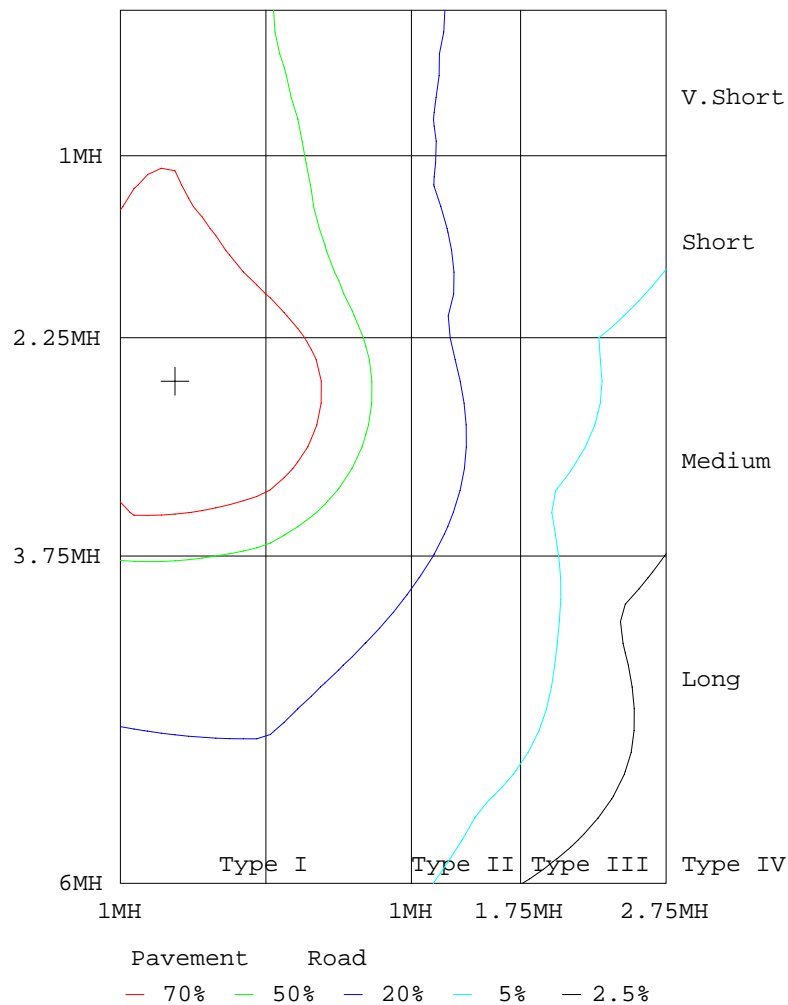
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-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:2024-12-12

$\gamma$  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:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-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	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842	842
5	846	858	868	877	882	888	889	888	883	877	867	856	843	830	817	805	795	788	786
10	854	876	894	907	916	922	924	922	915	906	891	872	848	825	795	767	742	724	719
15	865	895	917	934	943	948	949	947	940	931	915	891	856	822	776	729	688	658	650
20	875	911	939	957	964	966	967	965	959	953	934	909	868	822	757	692	633	591	577
25	884	927	957	976	982	982	979	979	975	970	952	924	879	824	742	654	574	518	504
30	893	943	976	997	1000	992	985	988	989	984	967	938	888	822	724	614	518	473	466
35	900	958	996	1018	1011	993	977	984	999	1002	983	952	896	822	705	571	468	443	438
40	909	972	1020	1042	1014	971	946	962	996	1022	1005	968	903	821	682	522	428	412	411
45	921	994	1055	1062	992	915	878	908	974	1041	1040	985	909	816	653	469	391	378	379
50	939	1029	1105	1075	929	806	756	799	907	1049	1087	1012	918	808	616	419	353	328	326
55	978	1099	1178	1048	786	638	589	636	771	1022	1153	1070	941	799	565	363	294	285	289
60	1075	1244	1268	925	562	421	384	430	559	902	1231	1194	1009	801	498	287	246	248	251
65	1309	1514	1279	690	300	262	249	272	317	670	1235	1435	1220	838	401	221	195	203	211
70	1324	1582	919	206	131	127	120	135	144	252	953	1625	1405	825	257	131	129	151	156
75	560	704	258	59.5	44.7	46.6	46.9	49.4	48.0	69.0	343	963	767	425	95.7	56.7	57.6	77.6	82.5
80	134	115	40.9	23.3	19.6	20.5	19.9	22.3	22.4	28.1	48.9	168	220	81.5	26.3	23.1	22.7	22.9	22.8
85	7.41	9.46	6.08	4.77	4.12	4.53	4.20	5.28	5.70	7.26	9.00	17.4	23.7	8.82	6.19	5.63	6.04	5.14	5.04
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:2024-12-12

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:0.0925A P:19.82W PF:0.9773 Freq:50.00Hz Lamp Flux:3262.89x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T211-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	842	842	842	842	842														
5	788	794	805	818	832														
10	723	740	766	796	827														
15	657	685	727	776	825														
20	587	628	686	755	822														
25	518	570	647	735	819														
30	470	512	606	715	816														
35	437	459	556	692	815														
40	408	418	503	663	812														
45	379	383	448	628	804														
50	329	347	395	584	796														
55	292	294	340	527	788														
60	254	250	269	450	790														
65	206	194	209	343	804														
70	147	124	112	198	676														
75	72.8	51.9	48.1	61.3	238														
80	21.2	19.5	18.3	19.1	28.8														
85	4.54	4.55	3.64	3.72	4.98														
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:2024-12-12

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: