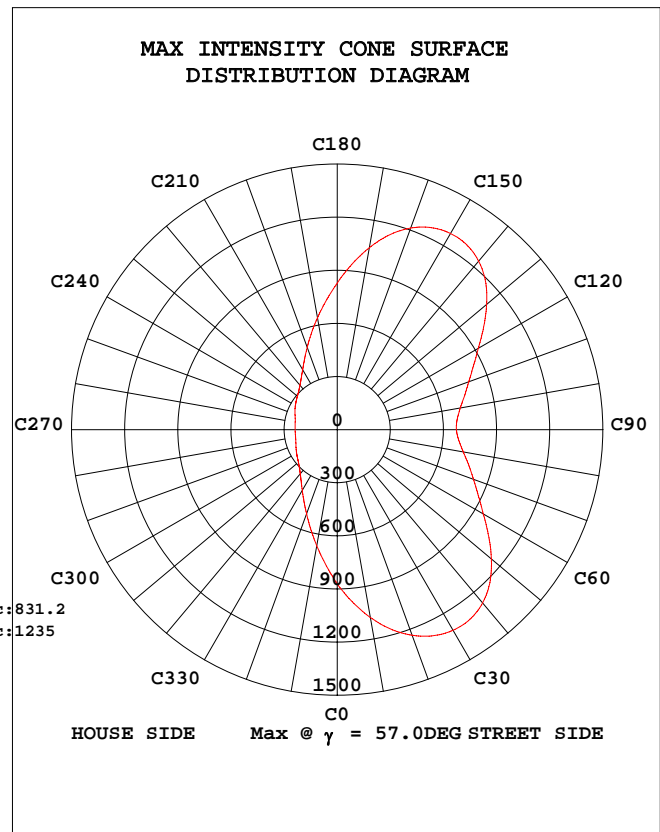
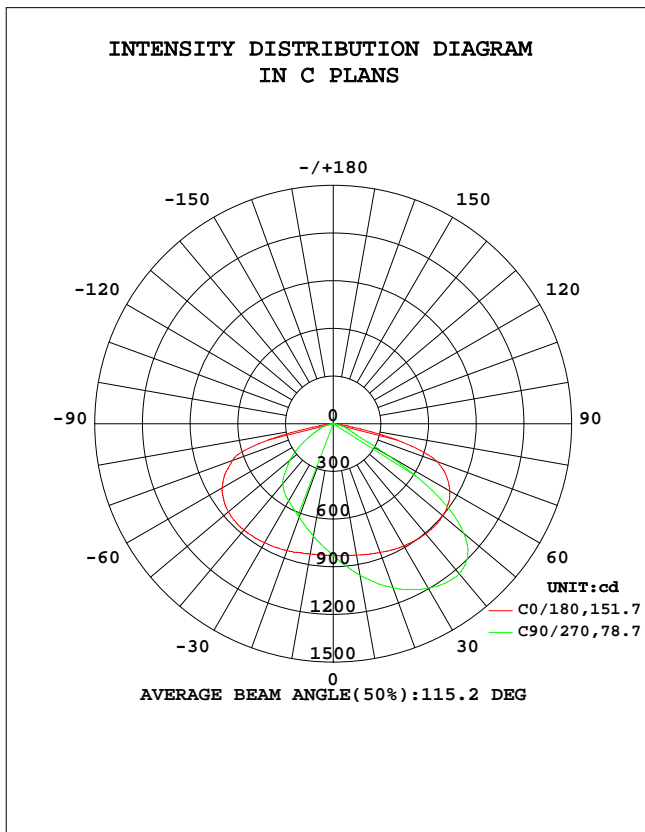


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WILE-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: 161.68 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	1308	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	67.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3329	η house_up(%)	0.0
NOMINAL FLUX(lm)	3328.85	MAXIMUM @(C,γ )	30,57.0	η house_down(%)	32.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.414

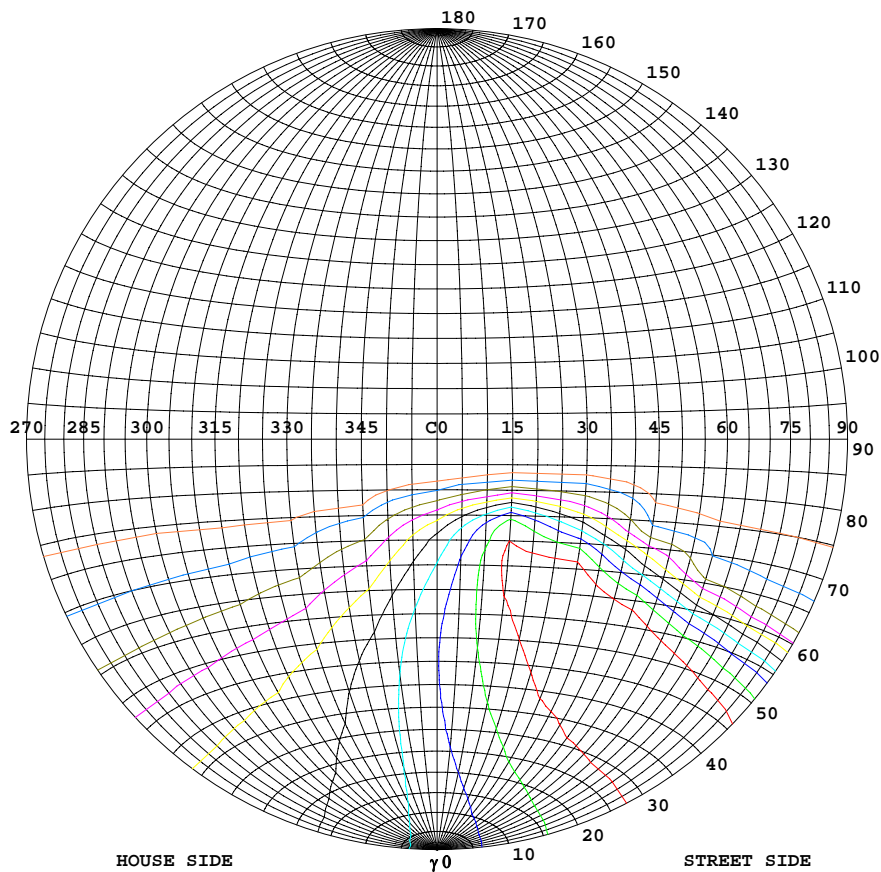


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

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:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



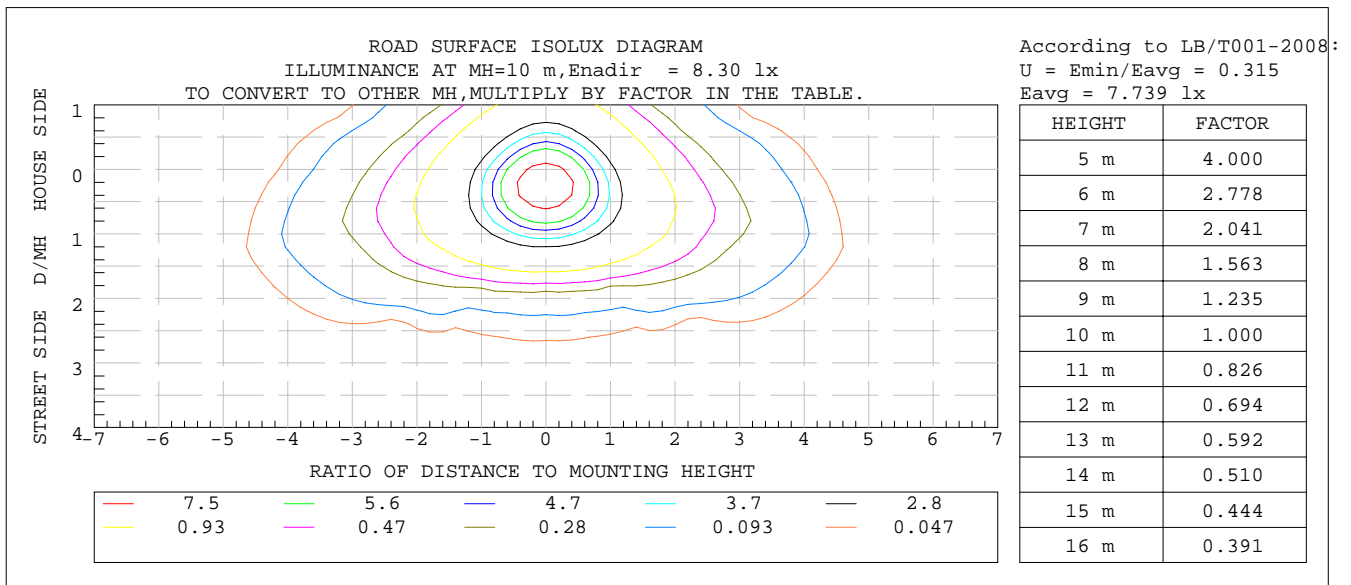
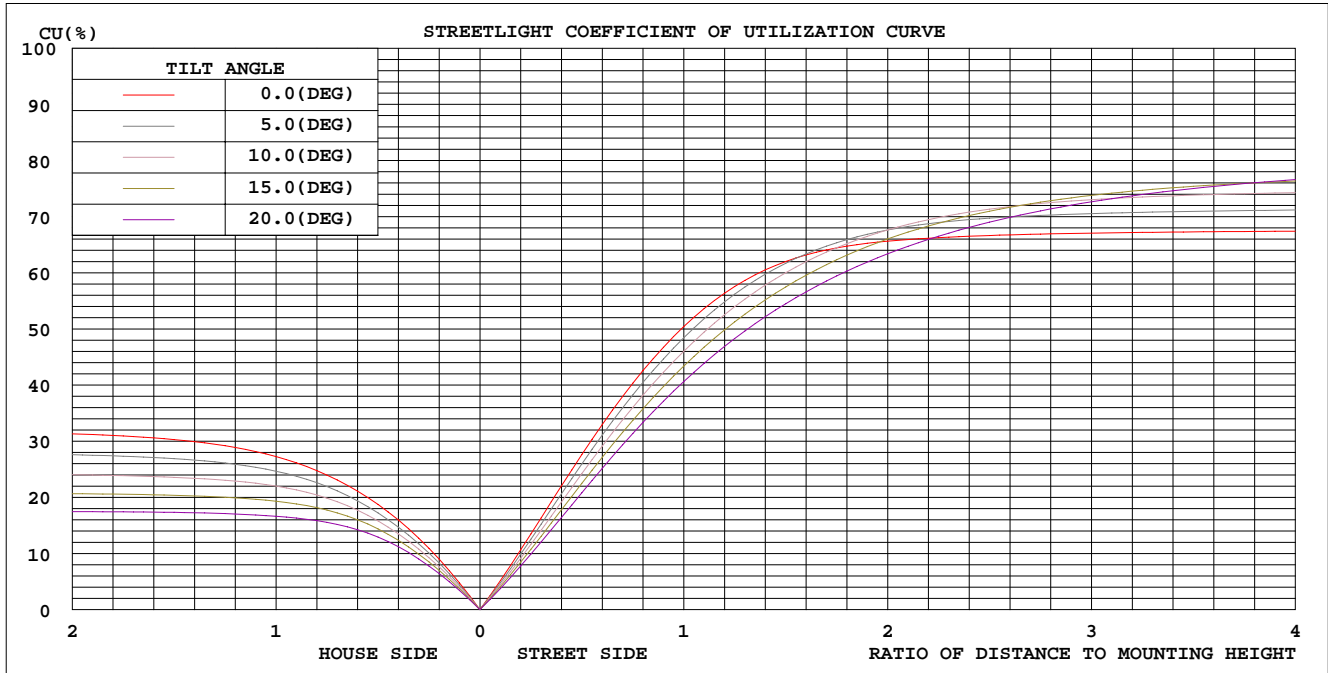
## Classification:

IES:Type III - Short  
CIE:Average - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:101.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:101.2cd/klm  
NRB 5101:Semi limited[26.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1308
90%	1177
80%	1046
70%	915
60%	785
50%	654
40%	523
30%	392
20%	262
10%	131
5%	65

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

$\gamma$  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: 2025-1-3

$\gamma$  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:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

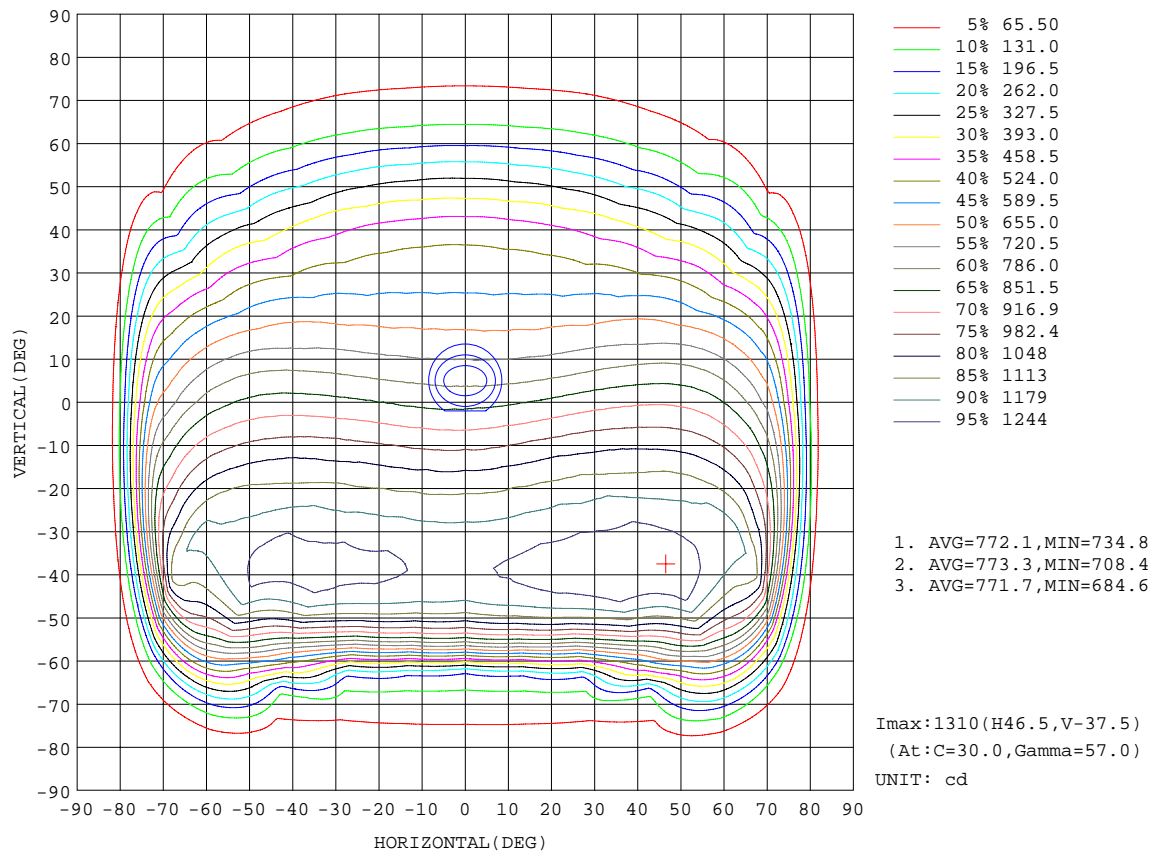
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	839.7	937.3	967.5	930.7	833.1	752.7	718.7	751.0	0- 10	79.80	79.80	2.4,2.4
20	861.7	1054	1099	1039	847.6	680.0	626.6	677.4	10- 20	241.5	321.3	9.65,9.65
30	889.2	1163	1194	1144	864.6	612.4	560.5	610.3	20- 30	403.5	724.7	21.8,21.8
40	904.6	1251	1232	1233	873.7	539.4	493.3	537.4	30- 40	555.7	1280	38.5,38.5
50	901.0	1303	1071	1274	861.9	435.2	355.4	430.5	40- 50	668.1	1949	58.5,58.5
60	846.4	1104	407.8	1064	807.8	253.3	188.2	248.7	50- 60	661.7	2610	78.4,78.4
70	698.7	421.1	100.5	375.3	676.0	93.91	88.01	94.84	60- 70	468.1	3078	92.5,92.5
80	123.4	48.52	25.57	45.49	132.0	26.00	22.41	25.60	70- 80	229.2	3308	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	21.33	3329	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3329	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3329	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3329	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3329	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3329	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3329	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3329	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3329	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3329	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:2025-1-3

$\gamma$  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

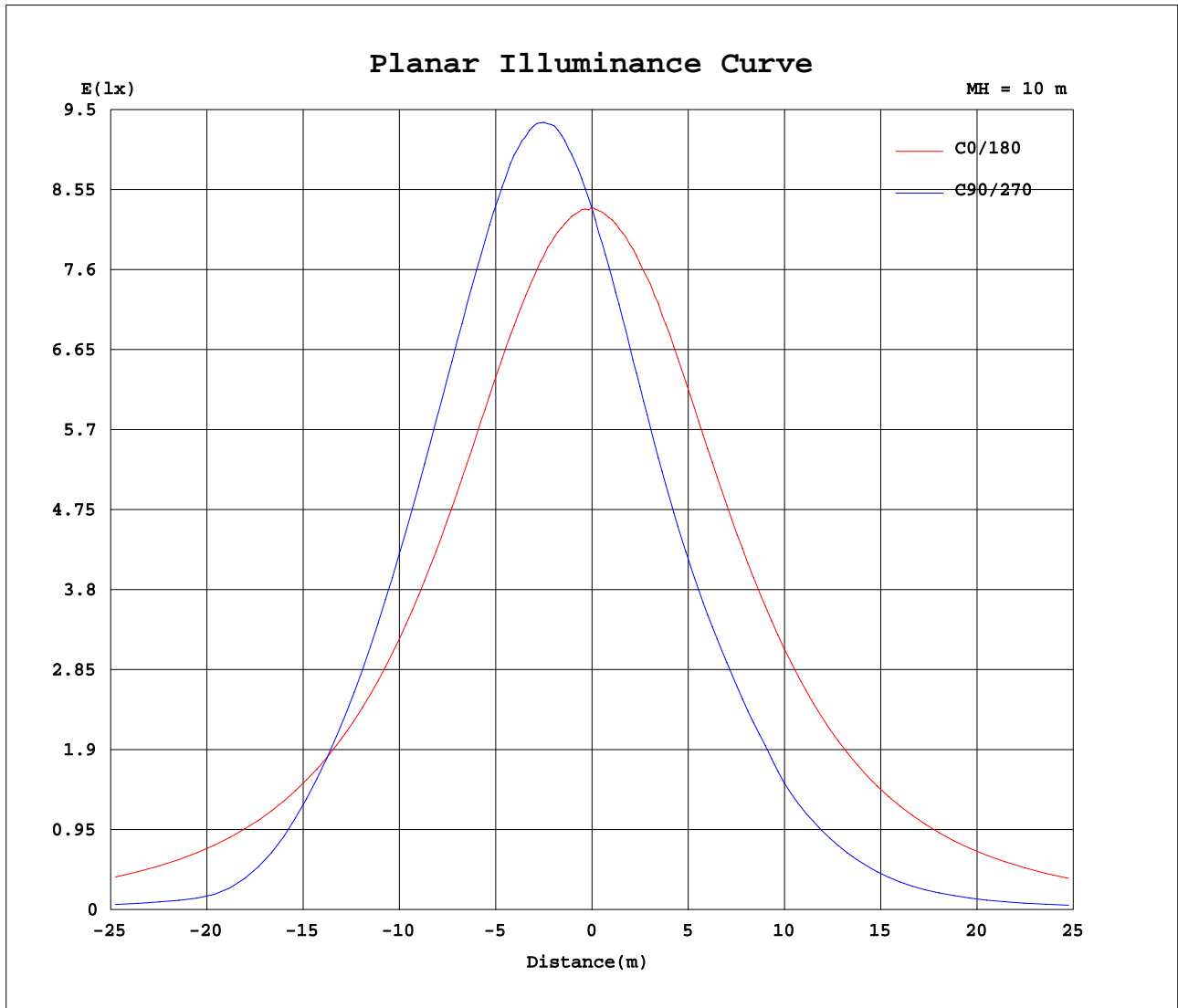
Test:U:219.3V I:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

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



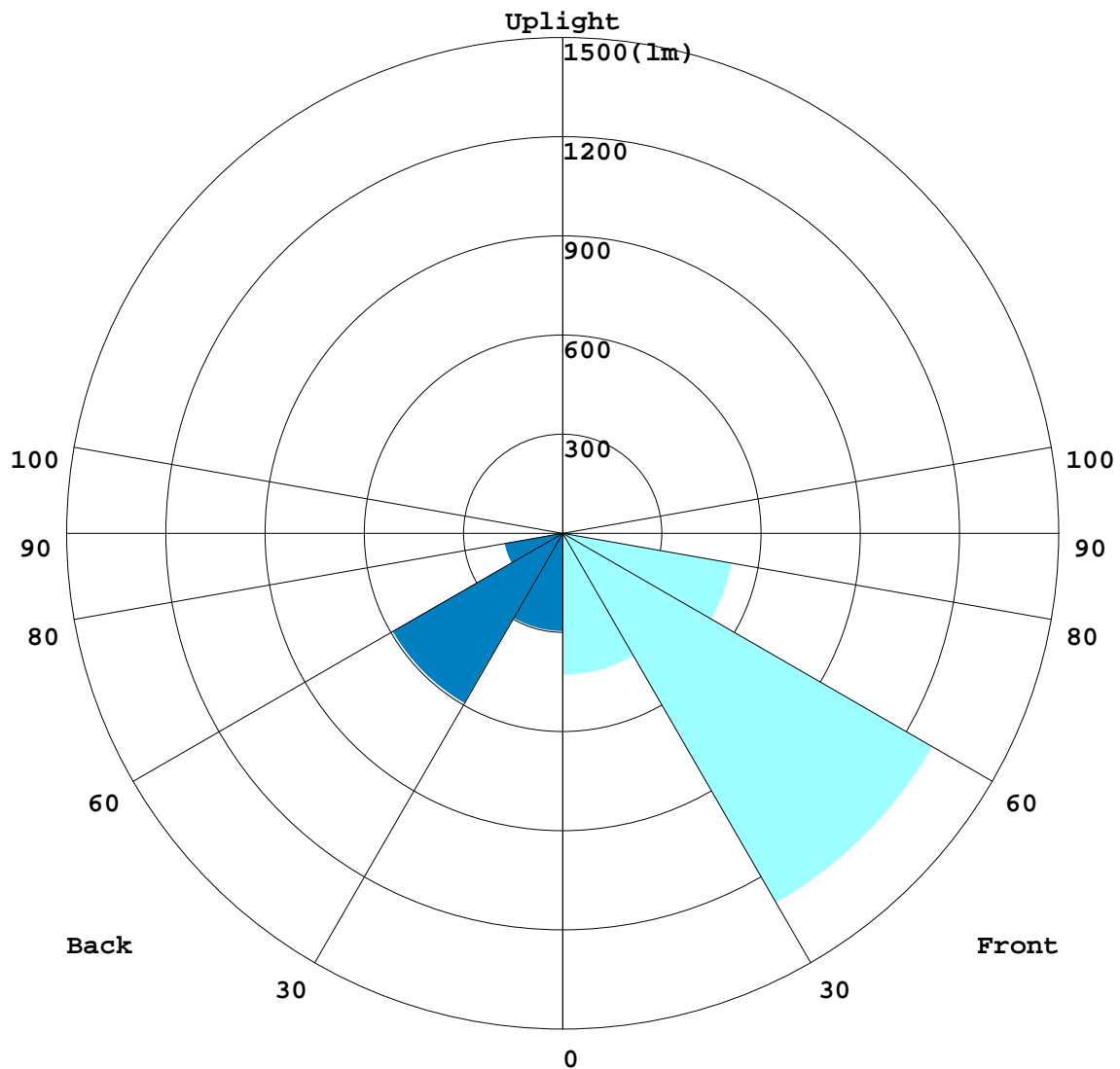
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2025-1-3

$\gamma$  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:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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:2025-1-3

$\gamma$  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:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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)	428.49	12.9
FM - Front-Medium(30-60)	1291.5	38.8
FH - Front-High(60-80)	519.13	15.6
FVH - Front-Very High(80-90)	15.499	0.5
Total Forward Light	2254.6	67.7

BL - Back-Low(0-30)	296.23	8.9
BM - Back-Medium(30-60)	594.01	17.8
BH - Back-High(60-80)	178.17	5.4
BVH - Back-Very High(80-90)	5.8315	0.2
Total Back Light	1074.2	32.3

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1074.2	0	1074.2
Street Side	2254.6	0	2254.6

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

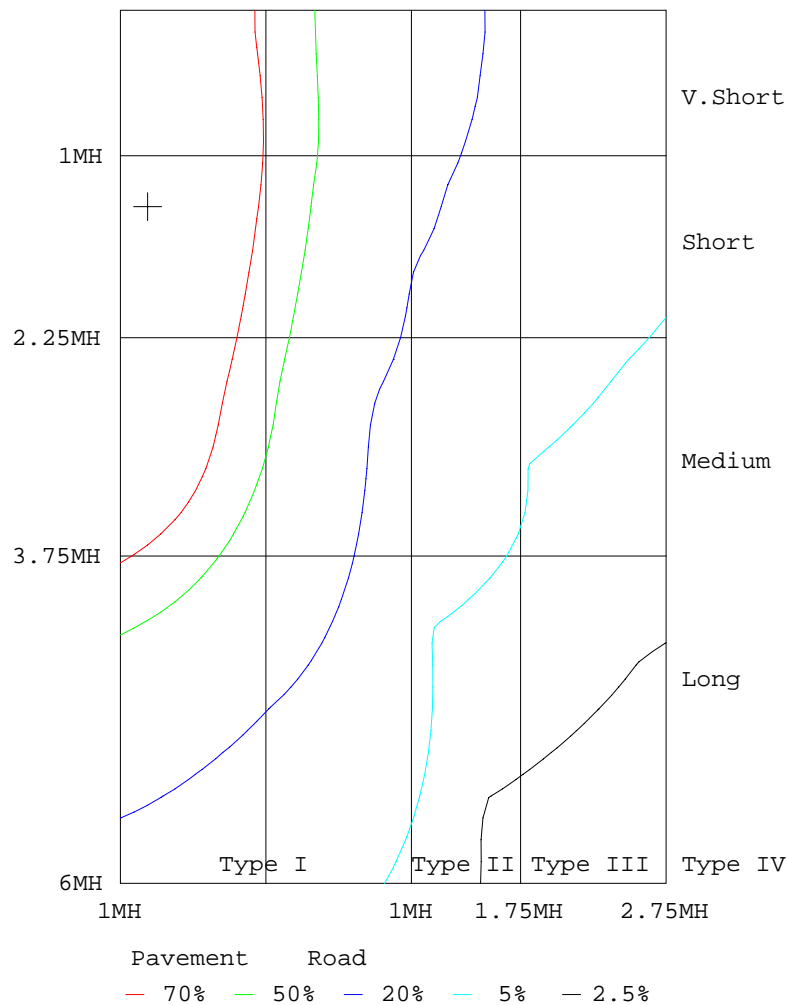
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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:2025-1-3

$\gamma$  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:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831
5	832	851	867	881	890	896	897	898	887	878	864	847	828	815	800	788	778	773	771
10	840	876	908	937	953	965	968	963	950	931	903	870	833	803	774	753	733	723	719
15	851	904	956	996	1018	1034	1035	1031	1011	984	945	896	839	794	749	715	689	675	669
20	862	938	1006	1054	1081	1095	1099	1094	1070	1039	990	925	848	783	724	680	649	632	627
25	875	974	1055	1111	1137	1149	1151	1149	1128	1092	1035	955	858	773	697	645	613	596	590
30	889	1008	1100	1163	1188	1196	1194	1195	1178	1144	1080	984	865	760	670	612	579	566	560
35	897	1038	1143	1207	1231	1231	1226	1230	1222	1191	1122	1014	871	743	640	577	549	538	533
40	905	1067	1188	1251	1262	1249	1232	1242	1251	1233	1167	1041	874	722	605	539	514	499	493
45	906	1096	1231	1286	1267	1226	1195	1214	1251	1265	1210	1069	871	694	561	495	464	435	423
50	901	1126	1271	1303	1219	1132	1071	1112	1196	1274	1249	1097	862	654	501	435	386	364	355
55	882	1155	1302	1266	1061	907	823	883	1030	1232	1274	1125	840	595	425	347	309	283	275
60	846	1185	1303	1104	736	505	408	485	706	1064	1265	1161	808	513	336	253	216	194	188
65	787	1210	1223	780	310	173	149	172	284	742	1182	1189	751	406	219	158	139	127	125
70	699	1175	981	421	129	107	100	107	127	375	936	1180	676	260	118	93.9	90.0	88.5	88.0
75	453	982	576	112	73.5	66.5	62.9	66.0	72.1	105	549	989	484	117	59.5	56.5	56.7	54.9	54.2
80	123	337	209	48.5	33.7	29.4	25.6	27.9	32.5	45.5	184	298	132	31.7	26.1	26.0	27.1	22.9	22.4
85	13.0	25.3	27.4	12.8	9.14	7.60	5.69	6.76	8.50	11.7	21.6	21.7	12.6	8.19	6.59	6.09	6.65	6.26	6.43
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:2025-1-3

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:0.1020A P:20.59W PF:0.9204 Freq:50.00Hz Lamp Flux:3328.85x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	831	831	831	831	831														
5	774	779	788	801	818														
10	722	733	751	776	805														
15	674	688	714	749	795														
20	632	647	677	725	788														
25	596	611	643	698	777														
30	564	577	610	671	768														
35	536	546	576	641	754														
40	496	509	537	608	734														
45	431	458	490	565	708														
50	359	379	430	508	669														
55	278	301	340	431	611														
60	192	211	249	339	530														
65	127	139	158	218	420														
70	89.1	90.9	94.8	119	270														
75	55.0	56.9	56.9	60.6	120														
80	22.6	26.8	25.6	25.8	32.6														
85	6.21	6.61	6.12	6.53	8.13														
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:2025-1-3

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: