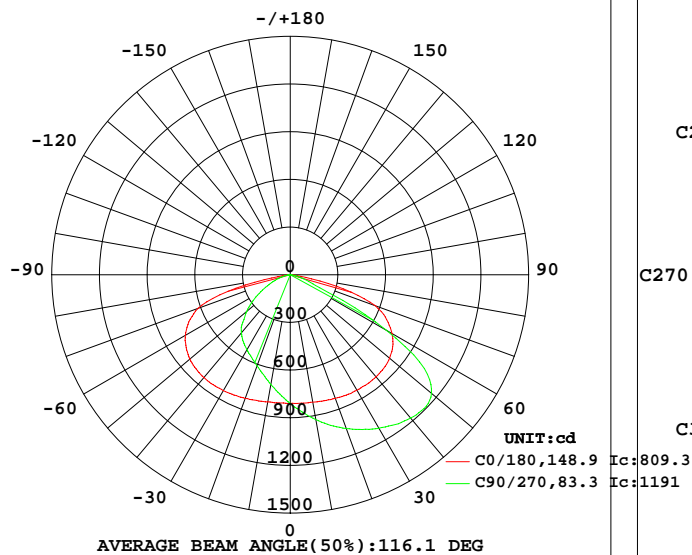
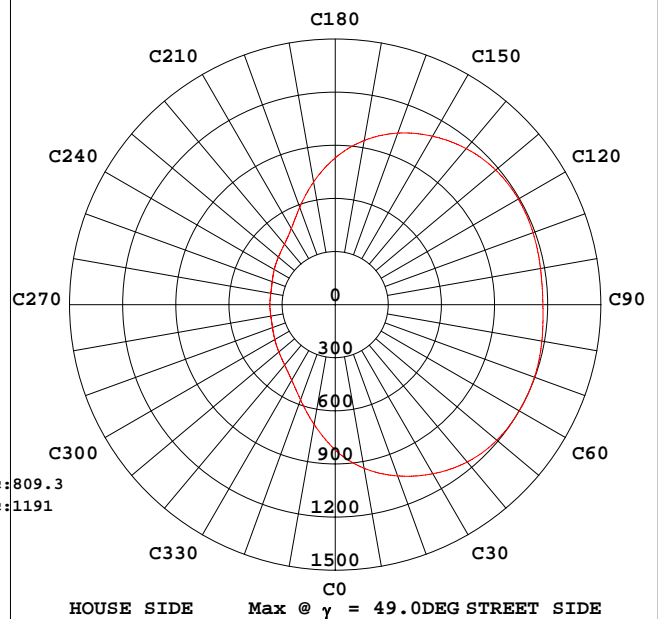


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WILE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.43 lm/W			
MODEL	3030	Imax(cd)	1200	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	$\eta$ street_down(%)	68.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3299	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	3299.13	MAXIMUM @(C, $\gamma$ )	60,49.0	$\eta$ house_down(%)	32.0
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	18.105

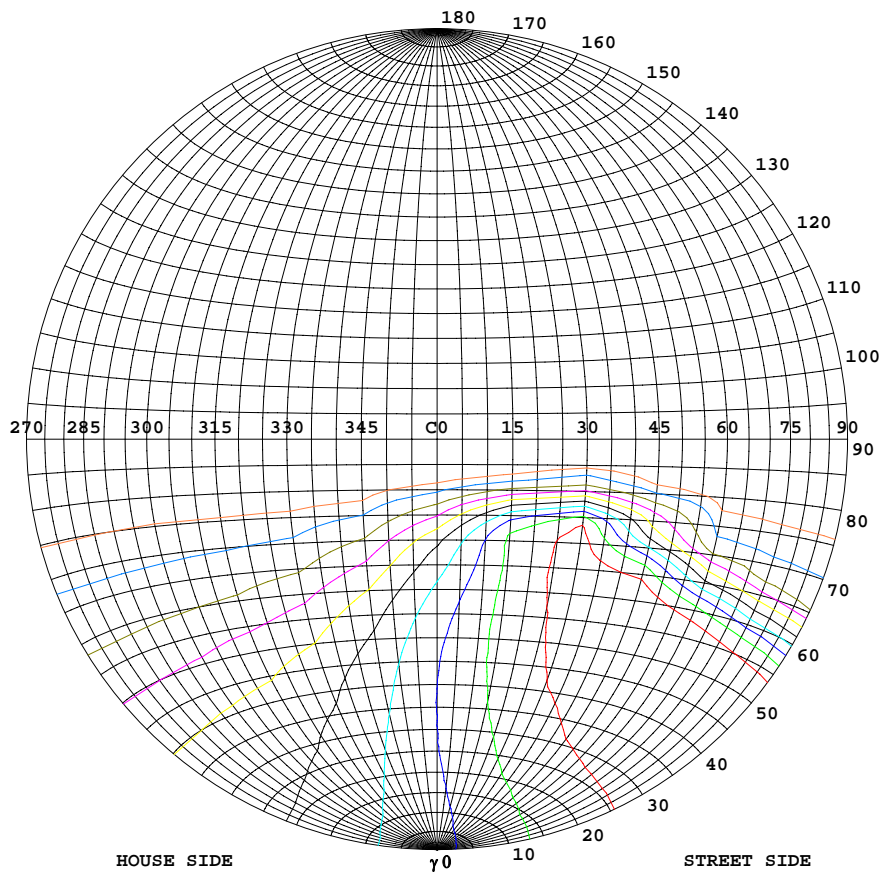
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



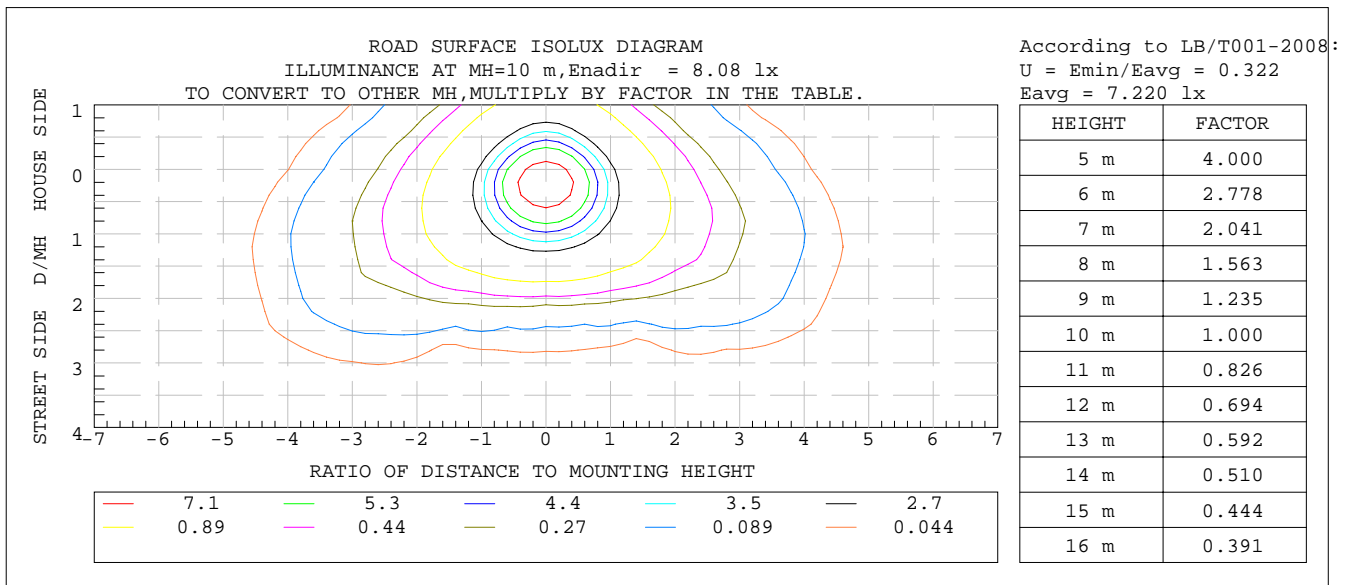
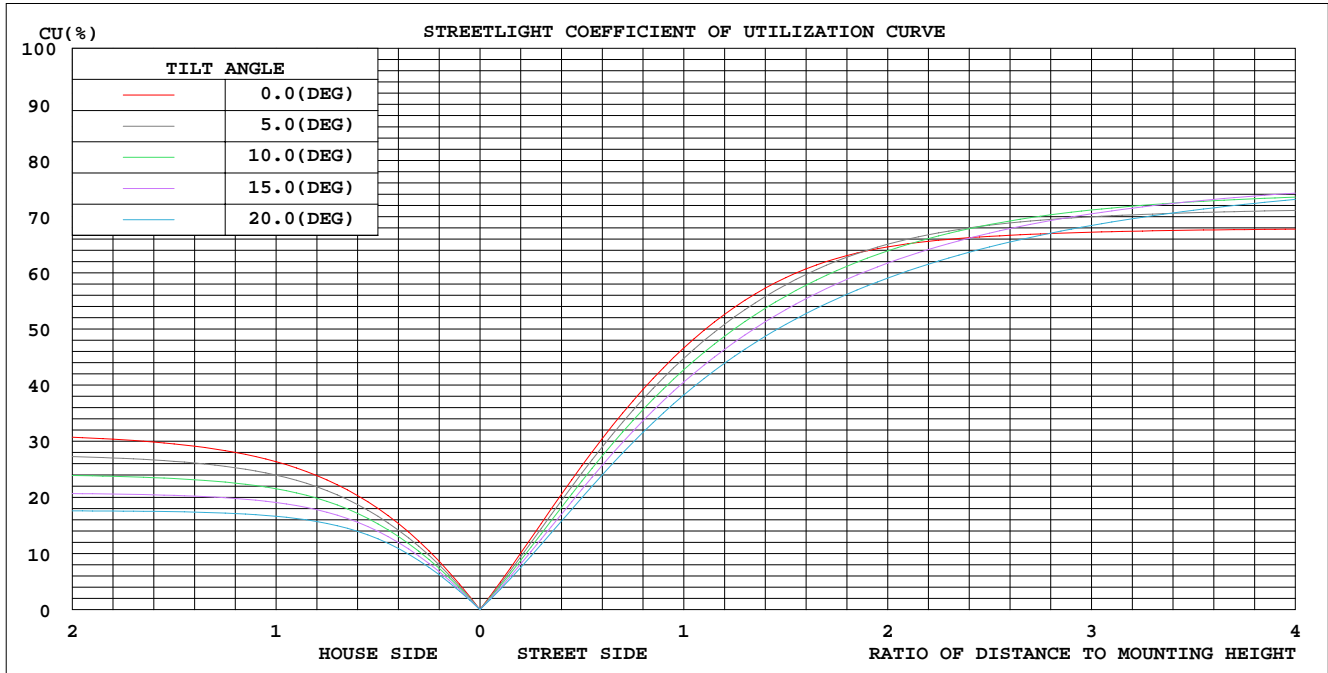
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:114.4cd/klm  
Max.At90:0cd/klm  
Max.80-90:114.4cd/klm  
NRB 5101:Semi limited[22.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1200
90%	1080
80%	960
70%	840
60%	720
50%	600
40%	480
30%	360
20%	240
10%	120
5%	60

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:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WILE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

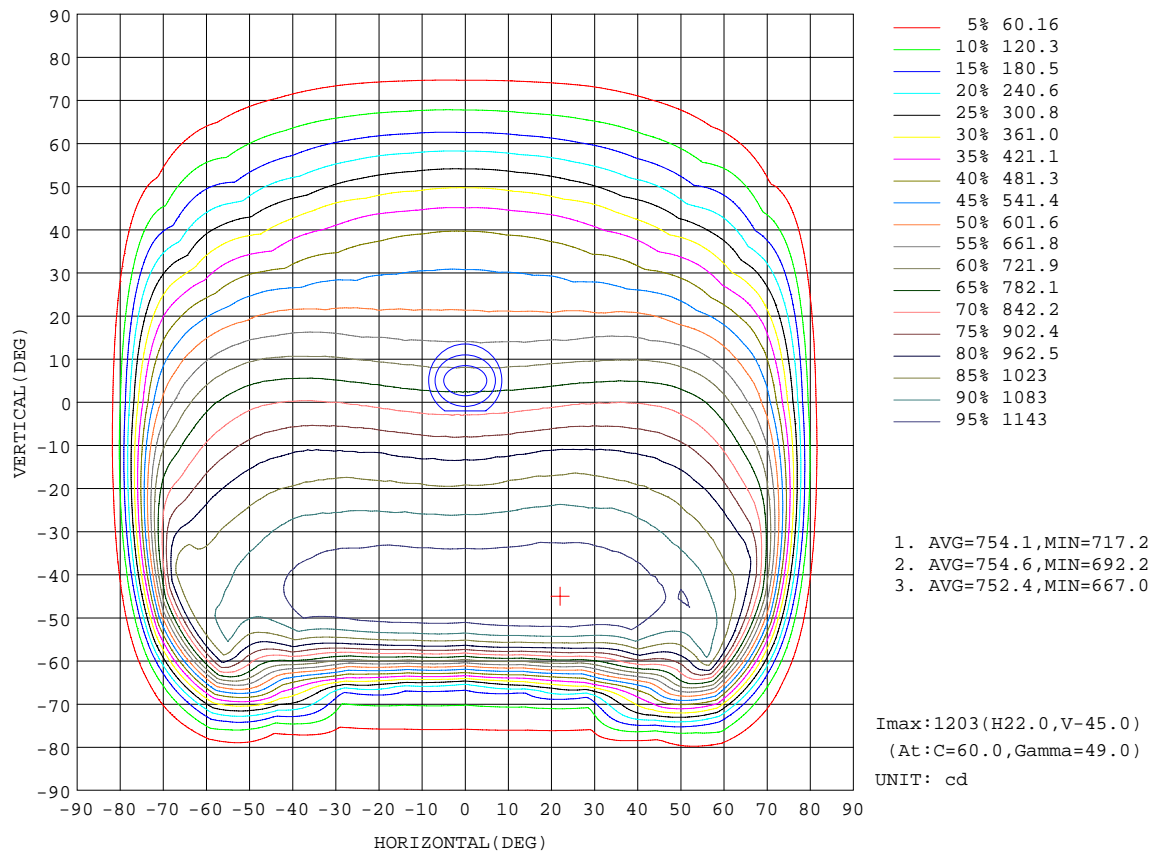
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	814.4	896.4	925.3	893.4	812.1	731.6	701.6	730.5	0- 10	77.44	77.44	2.35,2.35
20	827.6	991.3	1030	981.9	828.2	660.4	610.7	656.3	10- 20	232.1	309.5	9.38,9.38
30	839.0	1072	1115	1061	842.3	595.3	545.4	590.3	20- 30	383.4	692.9	21,21
40	839.4	1132	1177	1123	844.4	518.8	477.9	516.1	30- 40	522.5	1215	36.8,36.8
50	816.1	1184	1160	1174	825.1	420.8	357.2	416.5	40- 50	630.4	1846	55.9,55.9
60	739.8	1172	694.3	1134	761.9	263.0	215.0	257.1	50- 60	657.4	2503	75.9,75.9
70	569.4	729.3	123.3	611.3	616.7	122.6	100.2	113.9	60- 70	507.6	3011	91.3,91.3
80	102.7	127.0	27.54	73.78	117.6	29.35	24.39	28.44	70- 80	263.5	3274	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	24.78	3299	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3299	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3299	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3299	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3299	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3299	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3299	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3299	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3299	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3299	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  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

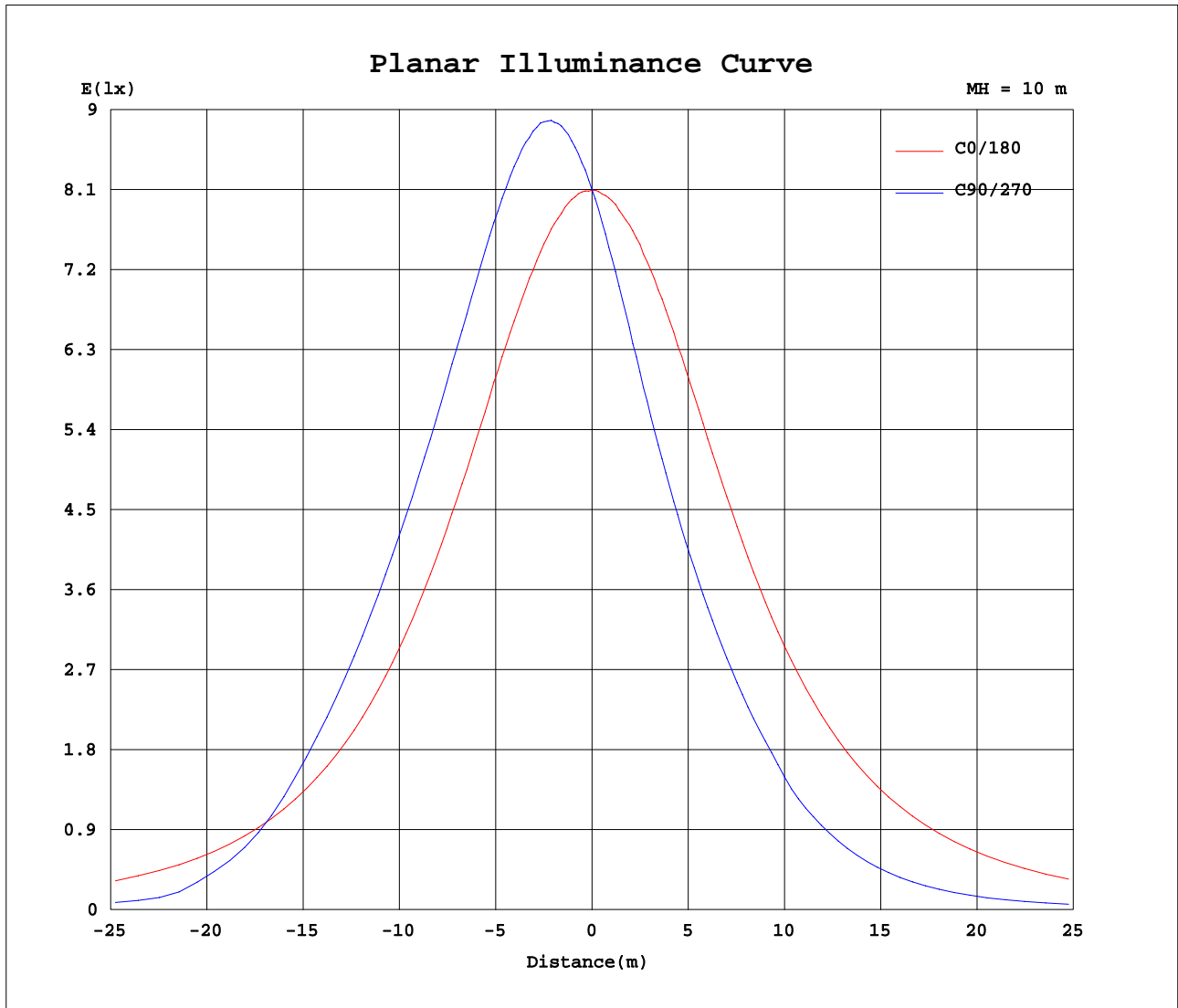
Test:U:219.3V I:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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

$\gamma$  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



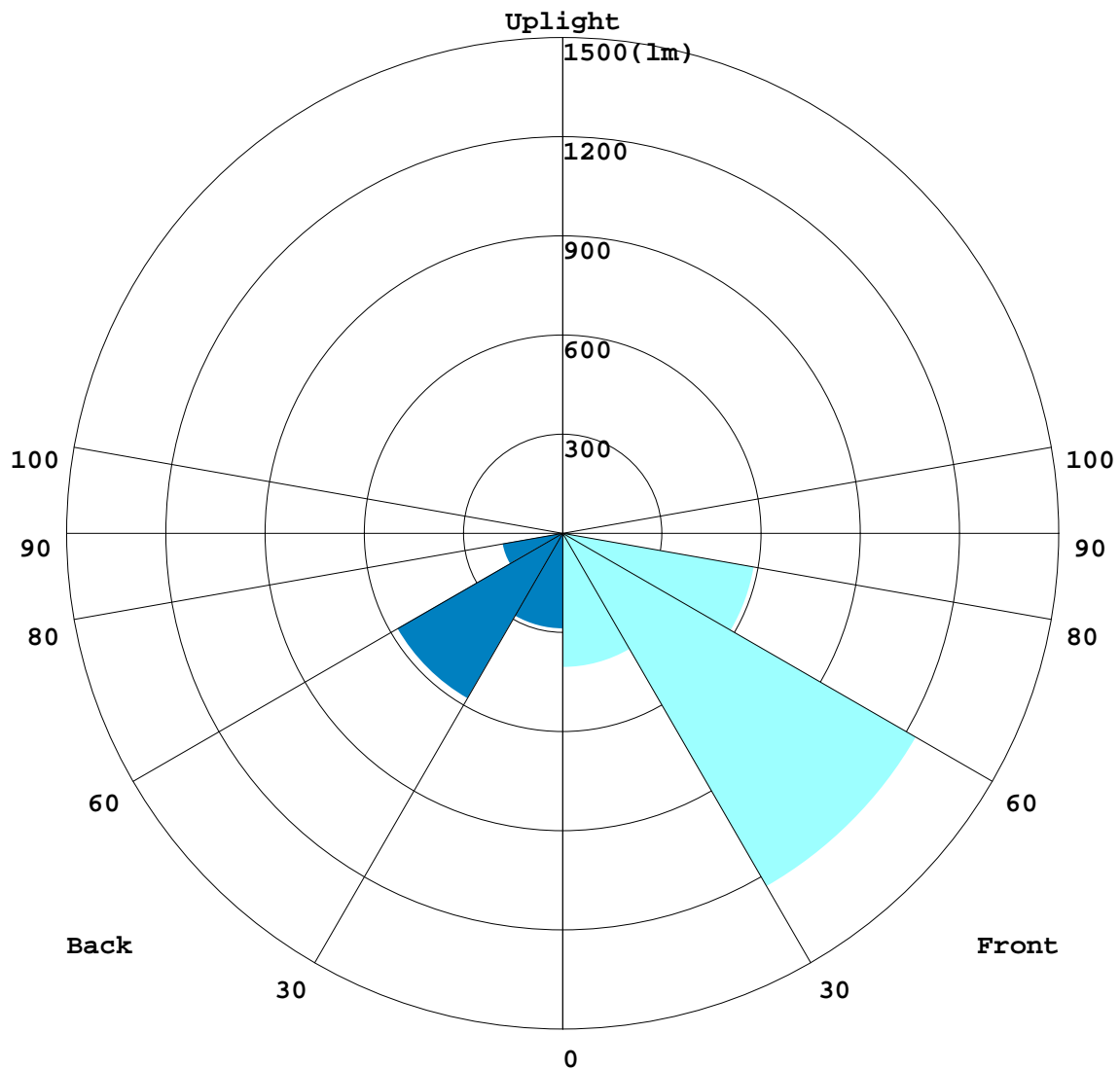
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2025-1-3

$\gamma$  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:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-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:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-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)	404.87	12.3
FM - Front-Medium(30-60)	1233.9	37.4
FH - Front-High(60-80)	587.21	17.8
FVH - Front-Very High(80-90)	18.52	0.6
Total Forward Light	2244.5	68.0

BL - Back-Low(0-30)	288.03	8.7
BM - Back-Medium(30-60)	576.45	17.5
BH - Back-High(60-80)	183.93	5.6
BVH - Back-Very High(80-90)	6.26	0.2
Total Back Light	1054.7	32.0

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	1054.7	0	1054.7
Street Side	2244.5	0	2244.5

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

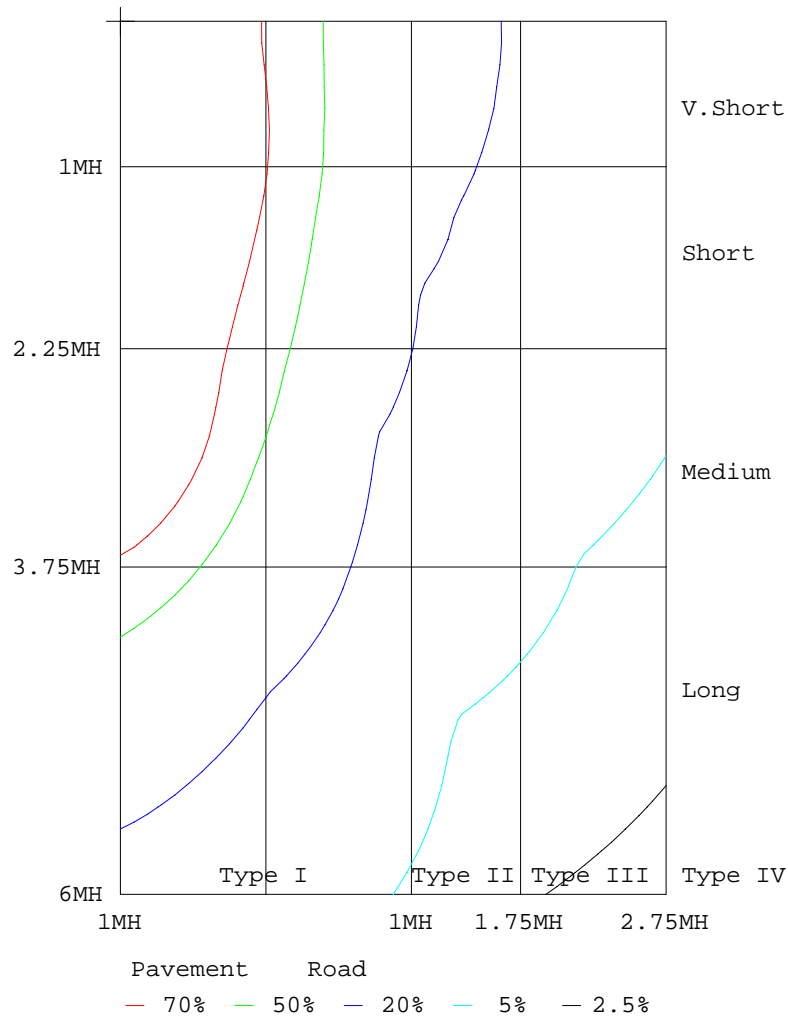
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-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:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-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	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809	809
5	811	826	837	850	857	866	867	865	861	850	839	824	810	796	780	769	758	755	753
10	814	845	873	896	911	923	925	922	913	893	872	843	812	784	755	732	713	704	702
15	821	868	909	943	964	977	981	975	964	938	907	865	818	774	733	697	669	657	651
20	828	892	950	991	1013	1026	1030	1023	1011	982	943	890	828	766	706	660	630	616	611
25	836	918	987	1033	1059	1073	1074	1067	1053	1024	979	914	836	754	679	627	594	579	575
30	839	939	1019	1072	1097	1111	1115	1107	1092	1061	1010	935	842	742	652	595	560	550	545
35	841	956	1044	1103	1131	1147	1150	1146	1131	1094	1038	955	845	726	622	558	528	518	515
40	839	968	1069	1132	1166	1177	1177	1177	1166	1123	1061	972	844	703	587	519	492	482	478
45	833	983	1089	1158	1191	1196	1191	1190	1187	1153	1084	982	838	674	542	475	447	431	422
50	816	989	1104	1184	1198	1185	1160	1173	1191	1174	1103	989	825	633	484	421	381	361	357
55	788	989	1116	1197	1158	1086	1030	1067	1138	1184	1113	991	799	580	413	347	310	293	287
60	740	987	1132	1172	998	799	694	773	953	1134	1122	996	762	505	331	263	237	221	215
65	669	981	1143	1047	628	402	265	359	574	969	1118	1002	704	406	235	188	170	153	148
70	569	978	1132	729	254	140	123	133	182	611	1099	1045	617	275	148	123	111	102	100
75	348	783	982	439	92.2	75.4	67.2	72.8	85.0	339	886	856	407	138	79.5	68.9	64.6	60.1	56.8
80	103	274	377	127	39.0	31.8	27.5	29.7	35.8	73.8	315	290	118	41.0	31.8	29.4	30.0	24.6	24.4
85	11.7	20.8	37.2	17.2	10.5	8.33	6.04	7.15	9.57	14.0	32.9	19.1	11.9	8.51	7.04	6.93	7.77	7.42	7.68
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:0.1018A P:20.56W PF:0.9206 Freq:50.01Hz Lamp Flux:3299.13x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T321-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	809	809	809	809	809														
5	755	763	768	782	796														
10	704	716	730	755	785														
15	655	671	693	729	773														
20	614	630	656	701	761														
25	579	594	623	674	749														
30	549	561	590	644	733														
35	518	530	557	614	714														
40	480	493	516	581	691														
45	429	448	472	537	659														
50	360	378	416	481	617														
55	290	307	339	411	562														
60	217	232	257	328	484														
65	149	162	180	224	381														
70	99.7	106	114	137	254														
75	58.9	63.2	65.3	72.3	122														
80	24.3	29.4	28.4	29.3	36.8														
85	7.34	7.72	6.87	6.89	8.49														
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: