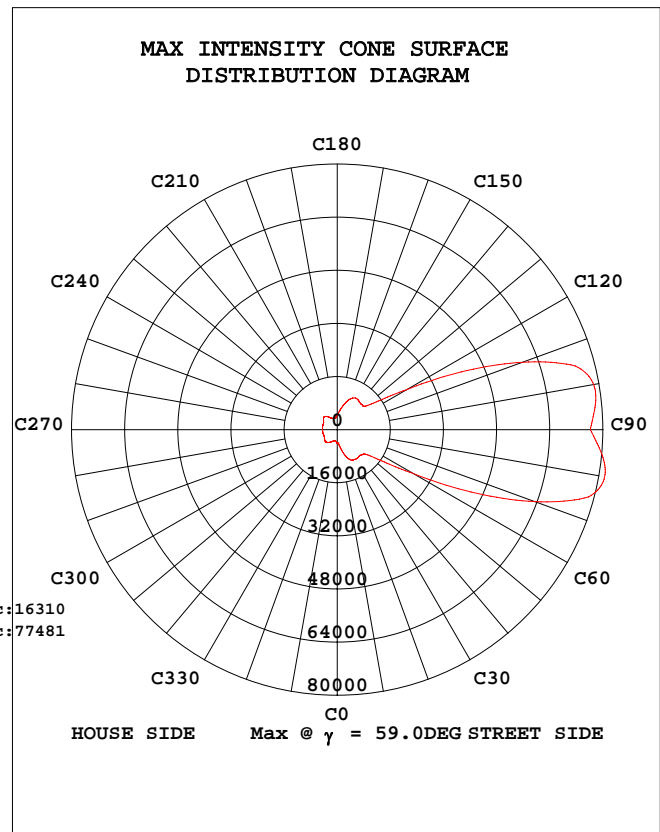
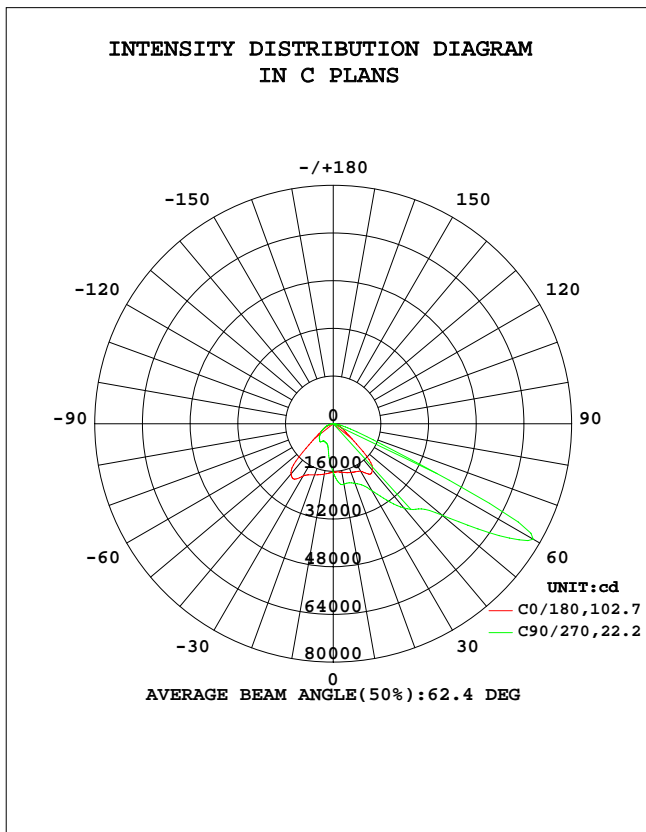


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.85 lm/W			
MODEL	3737	I <sub>max</sub> (cd)	78349	η street_up(%)	0.0
NOMINAL POWER(W)	600	LOR(%)	100.0	η street_down(%)	79.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	71575	η house_up(%)	0.0
NOMINAL FLUX(lm)	71575.4	MAXIMUM @(C,γ )	75,59.0	η house_down(%)	20.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.417

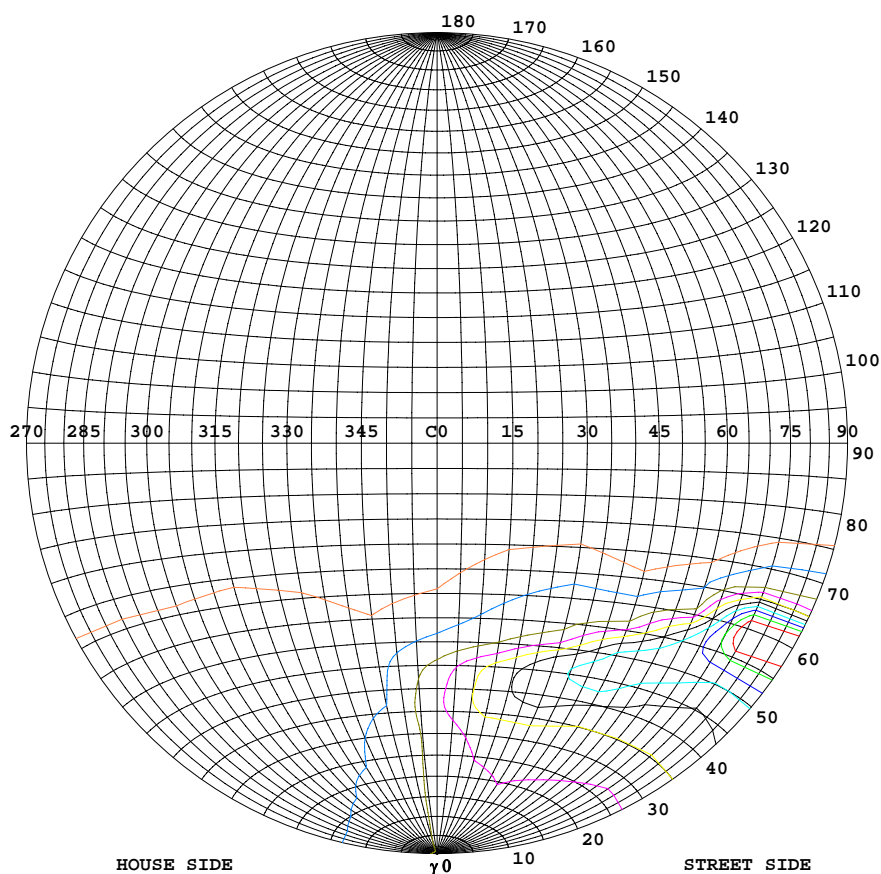


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-2

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:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



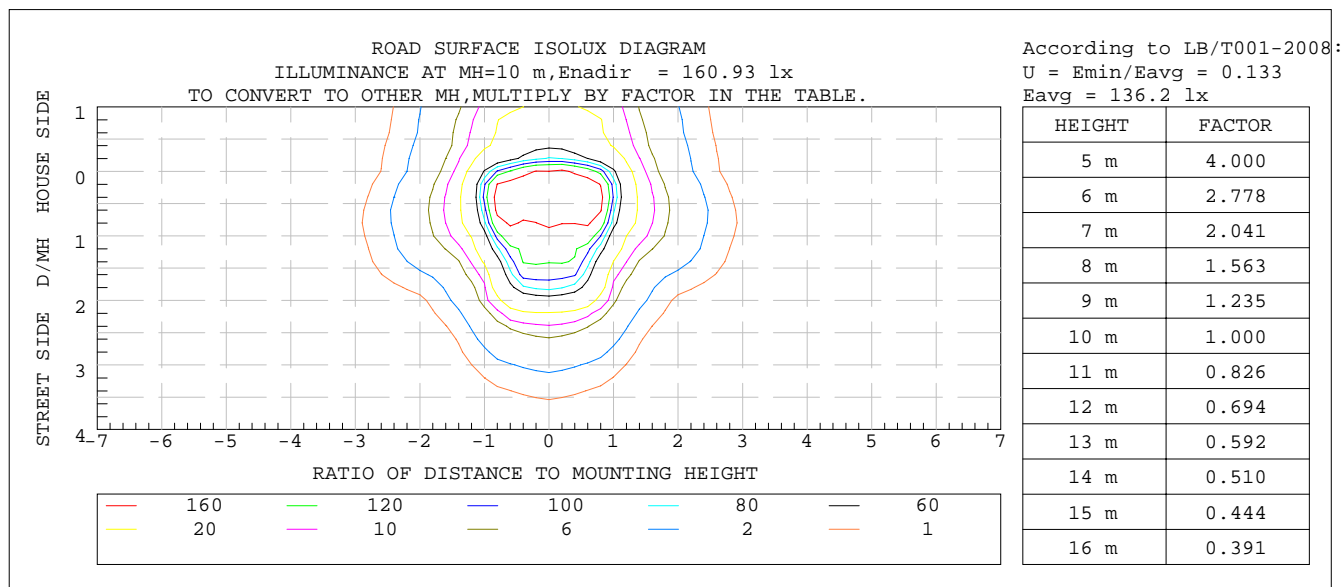
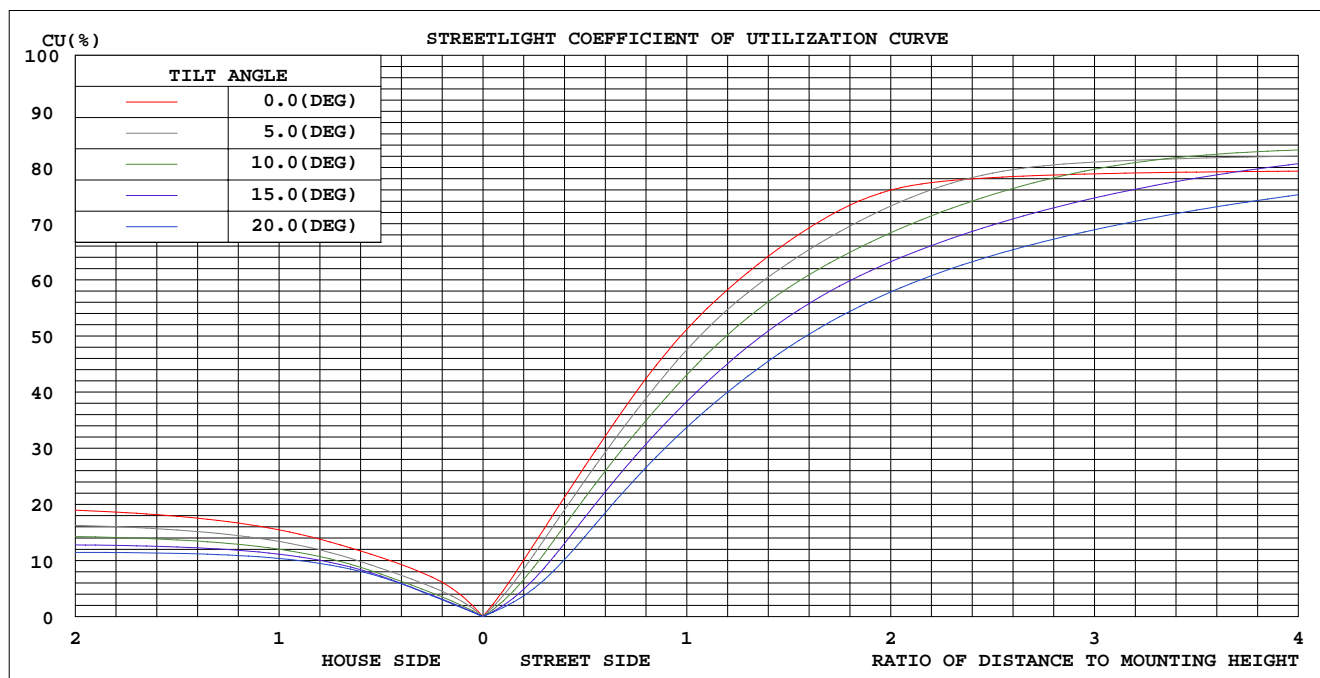
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:24.53cd/klm  
Max.At90:0cd/klm  
Max.80-90:24.53cd/klm  
NRB 5101:Limited[2.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	78349
90%	70514
80%	62680
70%	54845
60%	47010
50%	39175
40%	31340
30%	23505
20%	15670
10%	7835
5%	3917

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-2

$\gamma$  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: 2024-9-2

$\gamma$  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:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

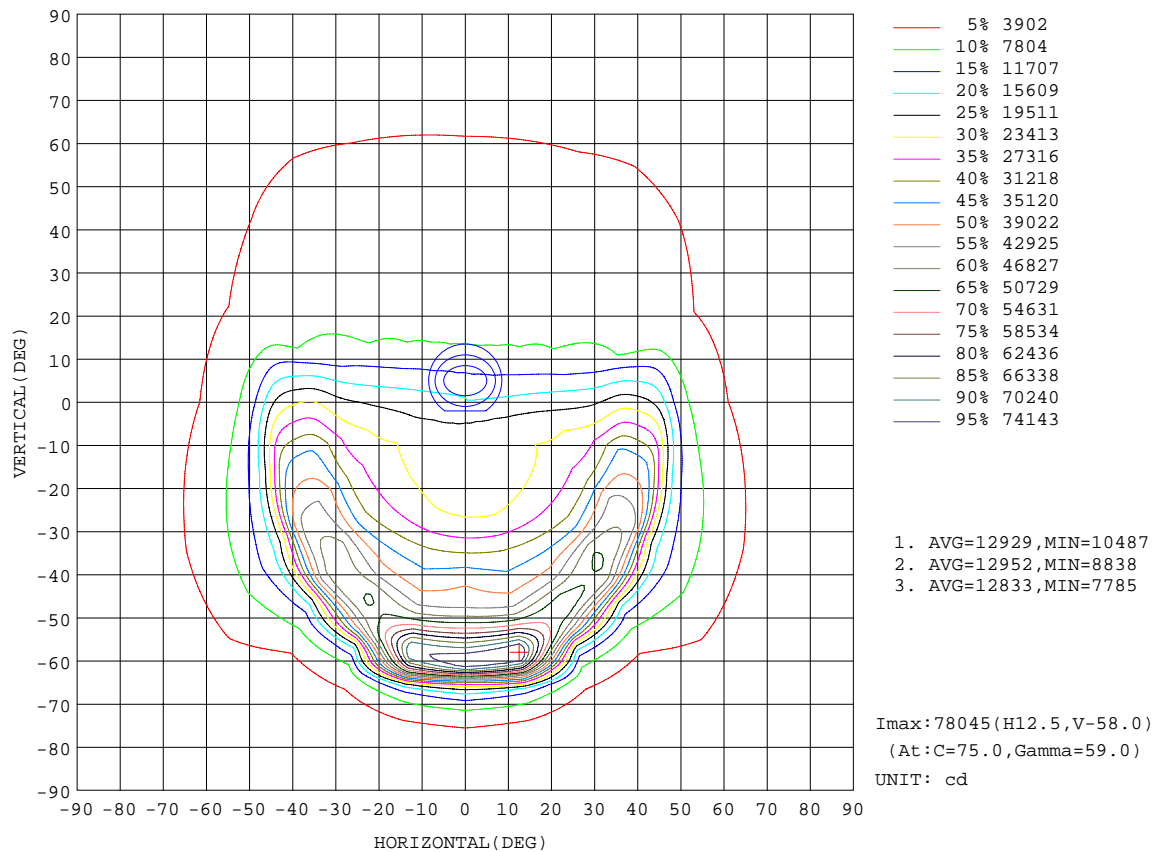
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1652	2084	2062	2159	1717	1169	944.4	1136	0- 10	1560	1560	2.18,2.18
20	1739	2251	2131	2395	1826	756.3	693.9	758.9	10- 20	4481	6041	8.44,8.44
30	1847	2687	2598	2884	2030	664.8	667.0	675.3	20- 30	7617	13658	19.1,19.1
40	2040	3951	3693	4338	2204	638.6	714.1	654.6	30- 40	12674	26332	36.8,36.8
50	916.4	4800	4783	4666	970.8	700.1	579.1	686.2	40- 50	17769	44101	61.6,61.6
60	401.3	938.8	7748	950.1	416.8	525.6	421.1	481.5	50- 60	16625	60726	84.8,84.8
70	193.9	236.7	1021	246.3	204.9	252.6	254.9	237.7	60- 70	8452	69177	96.6,96.6
80	53.64	61.94	175.6	69.16	61.85	67.12	78.75	62.20	70- 80	2073	71251	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	324.8	71575	100,100
100	0	0	0	0	0	0	0	0	90-100	0	71575	100,100
110	0	0	0	0	0	0	0	0	100-110	0	71575	100,100
120	0	0	0	0	0	0	0	0	110-120	0	71575	100,100
130	0	0	0	0	0	0	0	0	120-130	0	71575	100,100
140	0	0	0	0	0	0	0	0	130-140	0	71575	100,100
150	0	0	0	0	0	0	0	0	140-150	0	71575	100,100
160	0	0	0	0	0	0	0	0	150-160	0	71575	100,100
170	0	0	0	0	0	0	0	0	160-170	0	71575	100,100
180	0	0	0	0	0	0	0	0	170-180	0	71575	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-2

$\gamma$  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

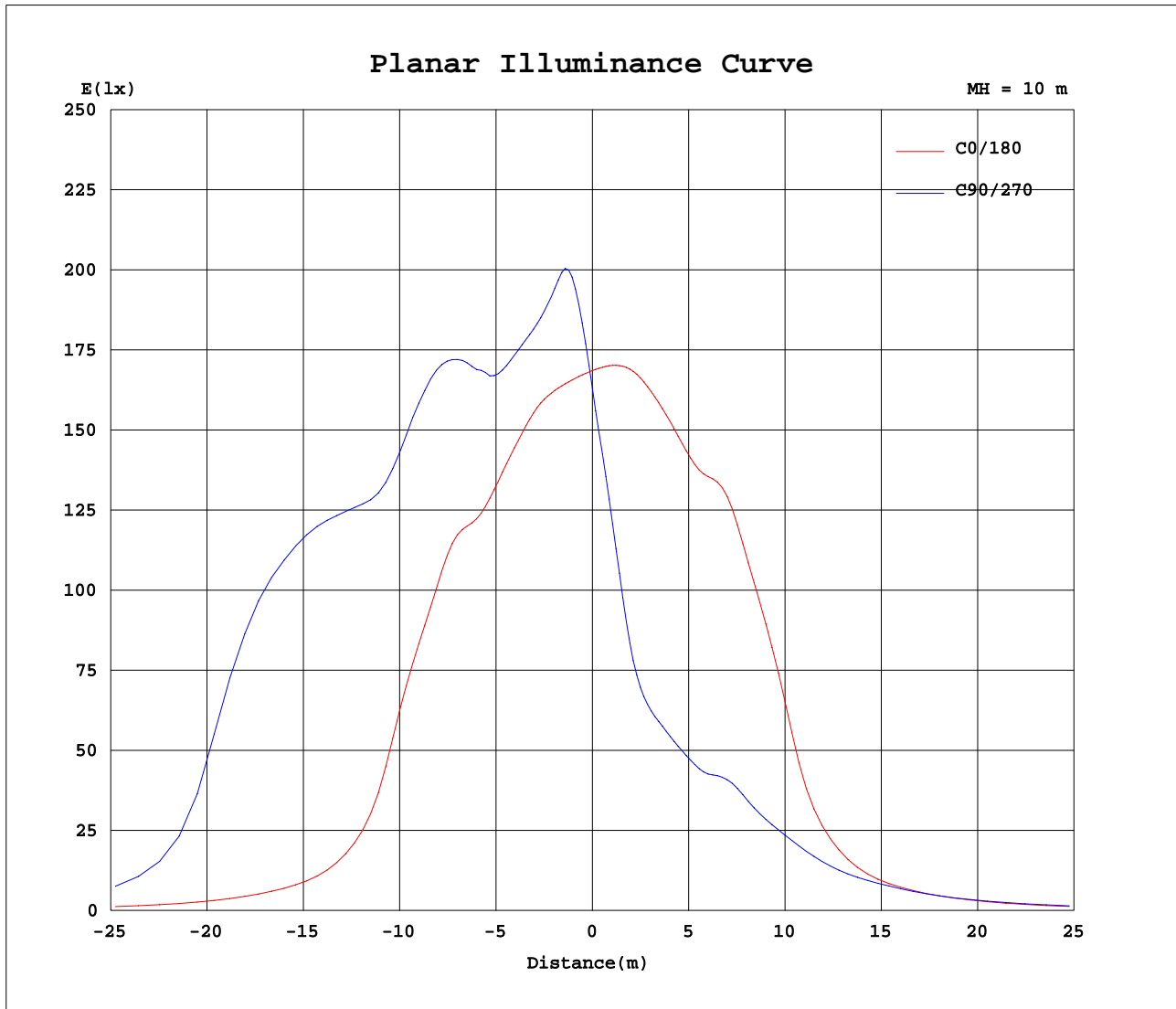
Test:U:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-2

$\gamma$  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



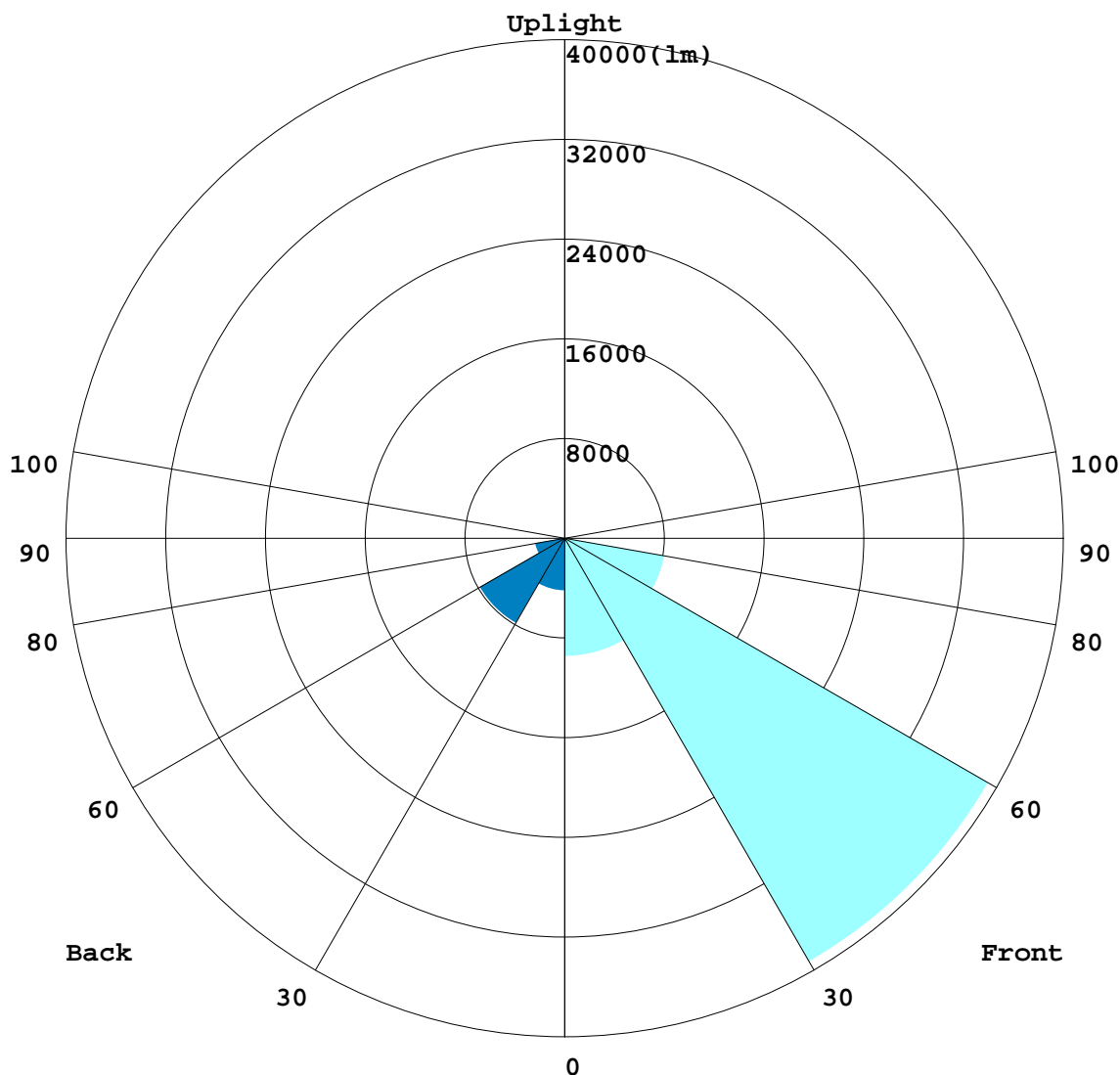
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-2

$\gamma$  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:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	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:2024-9-2

$\gamma$  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:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	9458	13.2
FM - Front-Medium(30-60)	39219	54.8
FH - Front-High(60-80)	8121.5	11.3
FVH - Front-Very High(80-90)	190.62	0.3
Total Forward Light	56989	79.6

BL - Back-Low(0-30)	4200	5.9
BM - Back-Medium(30-60)	7848.4	11.0
BH - Back-High(60-80)	2403.5	3.4
BVH - Back-Very High(80-90)	134.18	0.2
Total Back Light	14586	20.4

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14586	0	14586
Street Side	56989	0	56989

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-9-2

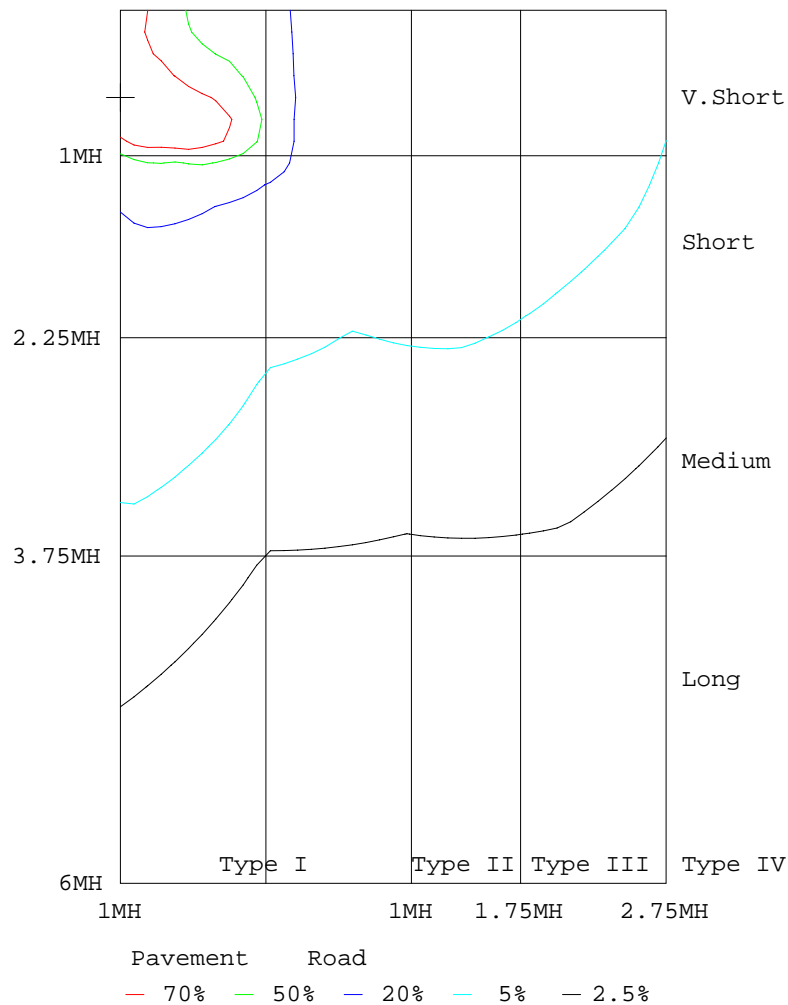
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-2

$\gamma$  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:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--1

UNIT: x10cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631	1631
5	1626	1719	1805	1876	1923	1954	1964	1968	1947	1909	1844	1759	1664	1570	1485	1411	1354	1313	1298
10	1652	1850	2005	2084	2081	2073	2062	2109	2144	2159	2082	1921	1717	1519	1338	1169	1050	968	944
15	1701	2017	2198	2171	2089	2058	2055	2118	2189	2284	2295	2099	1771	1453	1153	917	797	754	741
20	1739	2174	2311	2251	2161	2121	2131	2197	2293	2395	2446	2279	1826	1362	947	756	707	699	694
25	1778	2316	2467	2423	2331	2258	2268	2355	2483	2601	2647	2478	1894	1250	783	689	687	682	670
30	1847	2576	2744	2687	2603	2560	2598	2668	2776	2884	2972	2829	2030	1122	699	665	682	677	667
35	2064	3191	3330	3086	3075	3093	3131	3190	3272	3338	3681	3464	2274	962	624	656	687	743	744
40	2040	3511	4283	3951	3611	3500	3693	3585	3815	4338	4388	3630	2204	776	574	639	744	743	714
45	1708	3274	4423	5053	4240	3886	4046	3989	4502	5065	4430	3250	1783	660	536	660	716	675	666
50	916	1572	2824	4800	5224	4658	4783	4773	5194	4666	2679	1588	971	545	525	700	629	587	579
55	554	925	1347	2401	4700	6574	6360	6570	4443	2150	1435	994	586	431	490	650	548	511	499
60	401	685	960	939	2033	7717	7748	7244	1848	950	1014	732	417	342	403	526	453	439	421
65	285	512	651	471	755	3465	3086	3203	735	485	675	547	297	262	321	386	359	351	335
70	194	351	410	237	345	846	1021	808	360	246	423	381	205	195	237	253	266	267	255
75	115	208	228	130	158	342	429	344	169	139	236	233	125	126	150	146	165	169	164
80	53.6	93.6	94.3	61.9	71.2	134	176	138	78.0	69.2	104	113	61.8	61.5	70.1	67.1	77.5	79.7	78.8
85	13.6	23.8	21.0	18.4	20.9	38.1	49.9	40.6	23.9	23.6	27.0	32.4	17.9	16.7	18.9	18.2	24.0	23.4	24.9
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:2024-9-2

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:219.1V I:2.809A P:612.6W PF:0.9951 Freq:50.00Hz Lamp Flux:71575.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1631	1631	1631	1631	1631														
5	1304	1338	1388	1455	1535														
10	958	1027	1136	1290	1462														
15	755	791	890	1103	1388														
20	703	713	759	908	1289														
25	689	699	697	770	1164														
30	684	694	675	694	1021														
35	750	703	670	624	862														
40	737	747	655	580	710														
45	667	694	681	537	612														
50	575	607	686	526	511														
55	503	524	605	499	417														
60	427	428	482	421	332														
65	339	335	360	321	255														
70	256	245	238	230	188														
75	161	153	138	141	119														
80	75.3	71.1	62.2	63.8	54.4														
85	21.8	19.5	15.5	15.5	13.7														
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:2024-9-2

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: