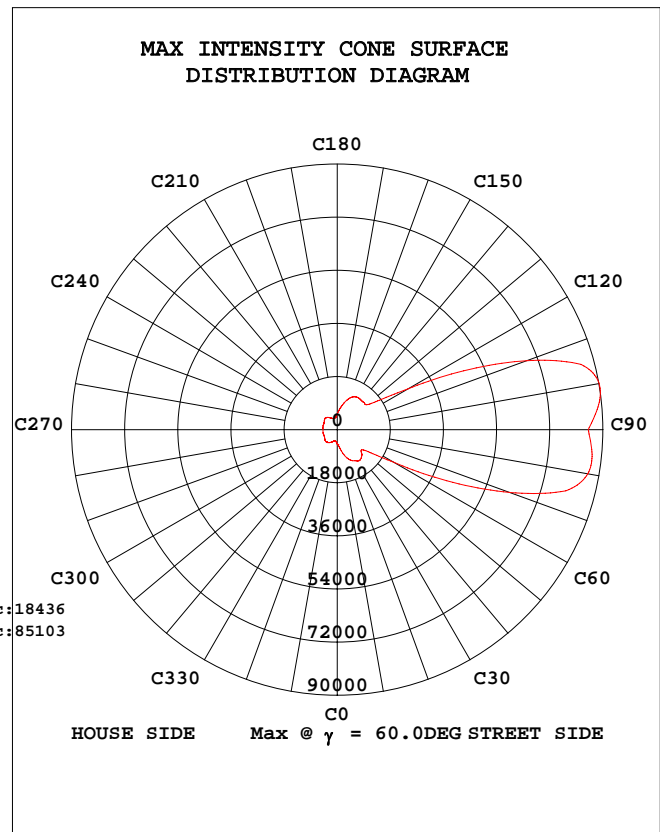
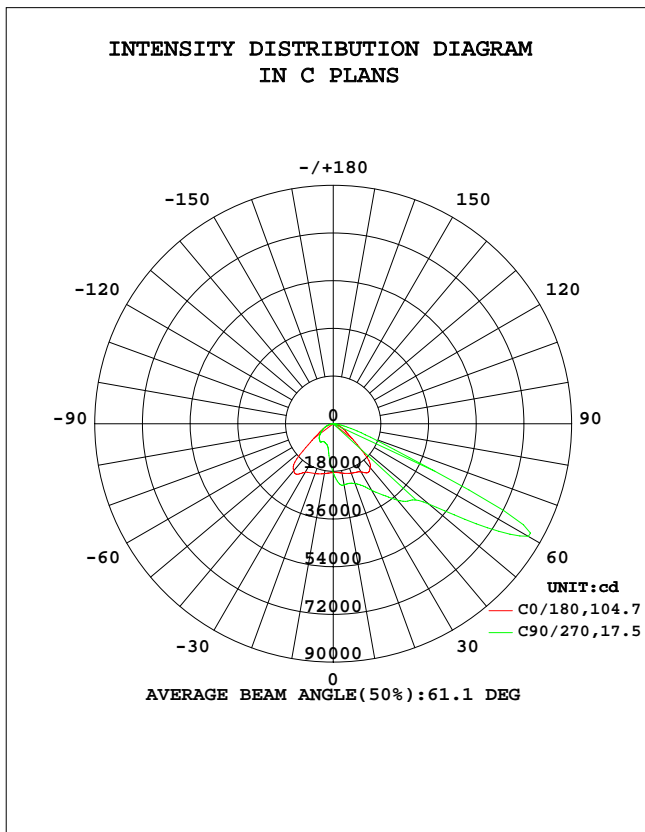


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.95 lm/W			
MODEL	3737	Imax(cd)	85524	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	600	LOR(%)	100.0	$\eta$ street_down(%)	79.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	81020	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	81019.9	MAXIMUM @(C, $\gamma$ )	105,60.0	$\eta$ house_down(%)	20.5
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	20.747

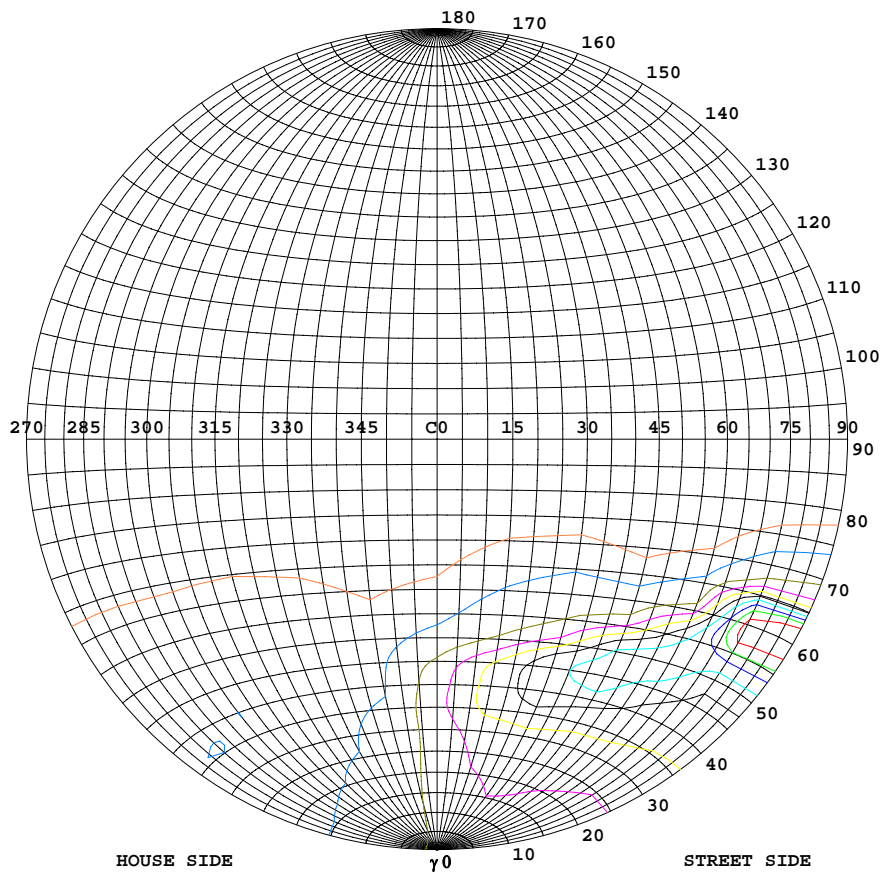


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-7-25

$\gamma$  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:219.1V I:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



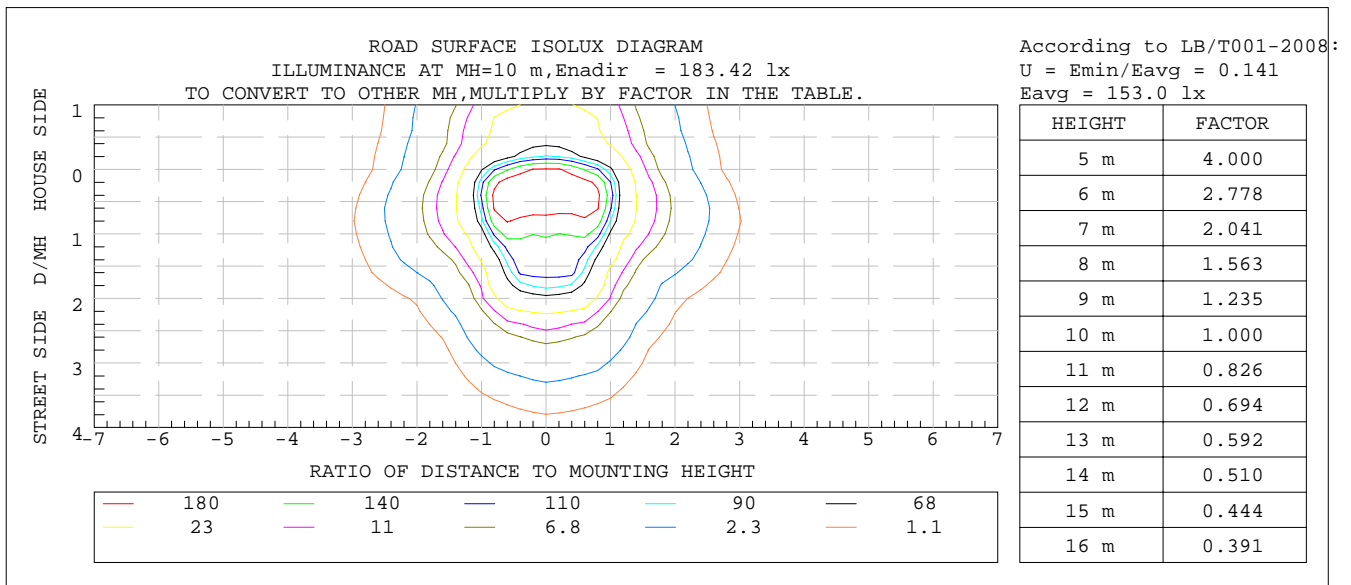
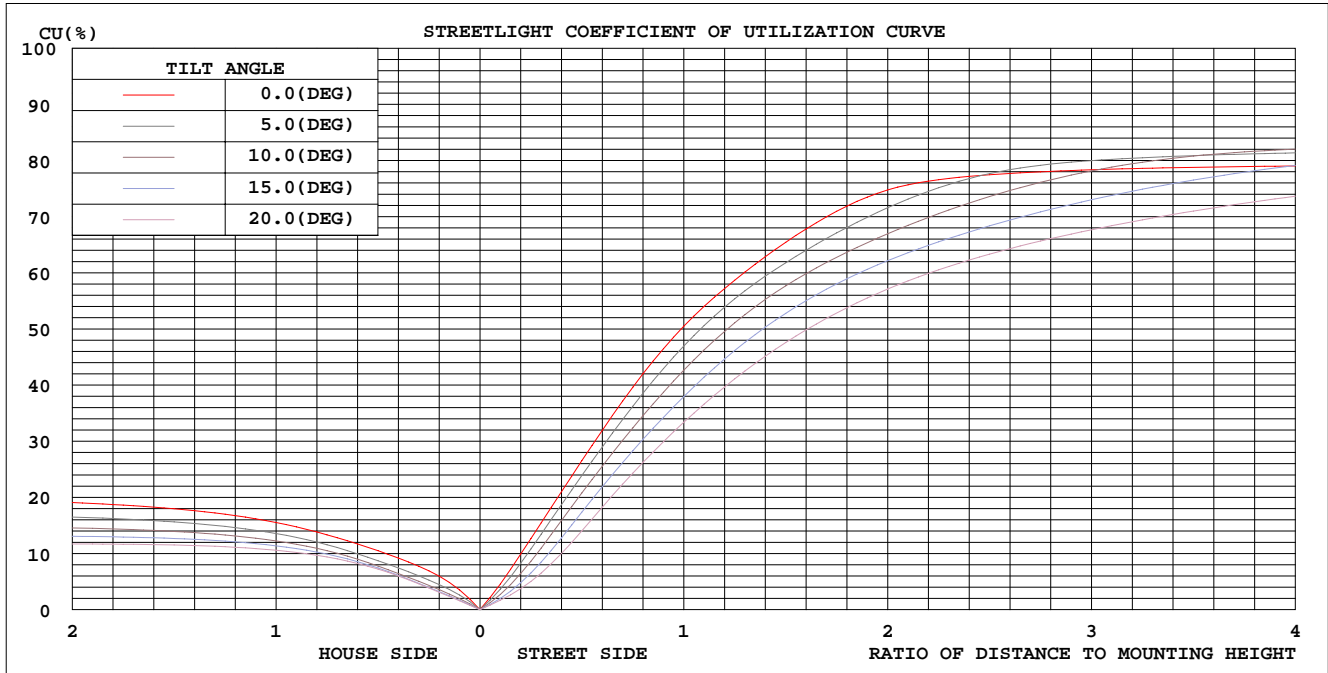
## Classification:

IES:Type III - Very Short  
CIE:Broad - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:36.77cd/klm  
Max.At90:0cd/klm  
Max.80-90:36.77cd/klm  
NRB 5101:Limited[3.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	85524
90%	76971
80%	68419
70%	59867
60%	51314
50%	42762
40%	34210
30%	25657
20%	17105
10%	8552
5%	4276

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-7-25

$\gamma$  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: 2024-7-25

$\gamma$  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:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

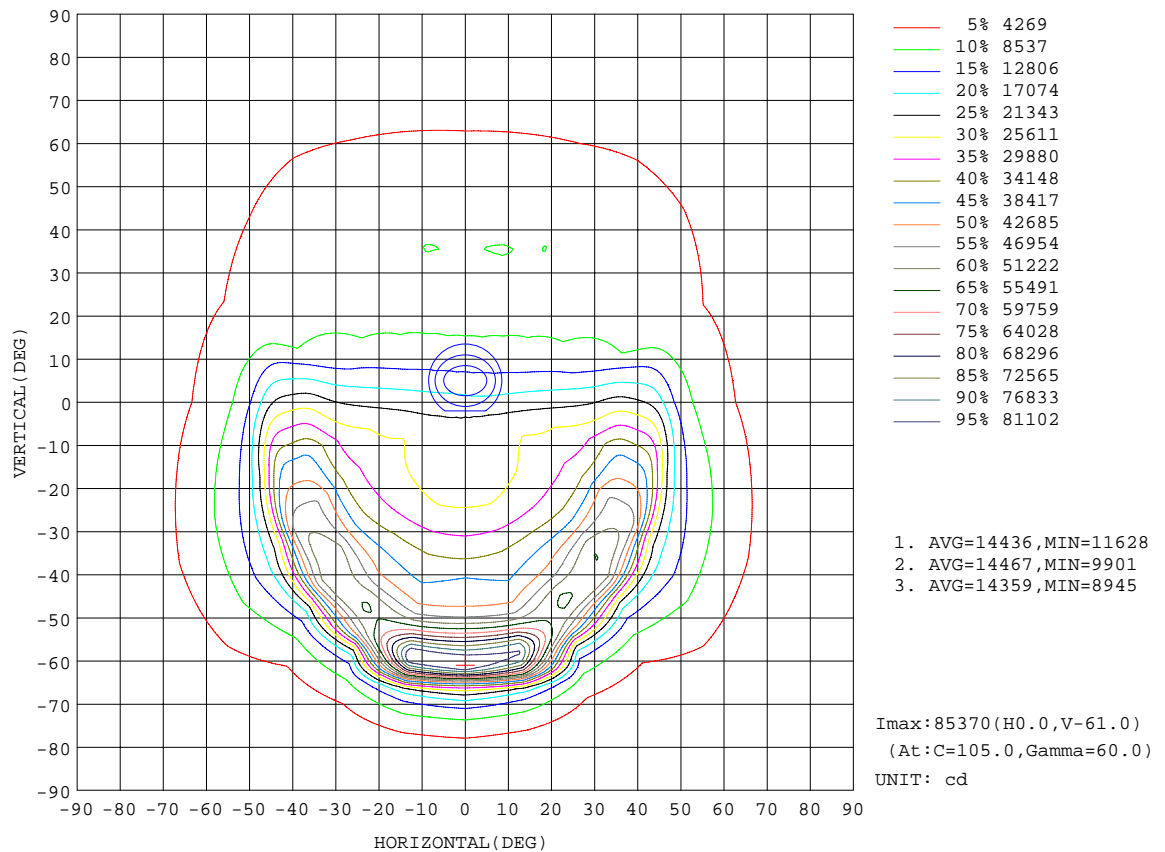
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1892	2395	2348	2420	1913	1288	1048	1261	0- 10	1760	1760	2.17,2.17
20	1986	2607	2406	2600	2002	875.0	805.7	874.6	10- 20	5053	6813	8.41,8.41
30	2101	3136	2900	3084	2118	774.2	772.7	789.0	20- 30	8544	15357	19,19
40	2171	4676	3764	4423	2321	743.9	803.5	773.2	30- 40	13877	29235	36.1,36.1
50	1084	5210	4731	5333	1235	773.0	663.5	802.2	40- 50	19342	48577	60,60
60	503.2	1192	8503	1305	534.4	567.7	486.3	558.9	50- 60	18671	67248	83,83
70	243.7	341.6	1499	374.2	256.6	285.0	292.3	285.0	60- 70	10484	77732	95.9,95.9
80	70.85	89.26	297.9	100.9	77.73	80.04	93.28	78.49	70- 80	2826	80558	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	461.5	81020	100,100
100	0	0	0	0	0	0	0	0	90-100	0	81020	100,100
110	0	0	0	0	0	0	0	0	100-110	0	81020	100,100
120	0	0	0	0	0	0	0	0	110-120	0	81020	100,100
130	0	0	0	0	0	0	0	0	120-130	0	81020	100,100
140	0	0	0	0	0	0	0	0	130-140	0	81020	100,100
150	0	0	0	0	0	0	0	0	140-150	0	81020	100,100
160	0	0	0	0	0	0	0	0	150-160	0	81020	100,100
170	0	0	0	0	0	0	0	0	160-170	0	81020	100,100
180	0	0	0	0	0	0	0	0	170-180	0	81020	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:2024-7-25

$\gamma$  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

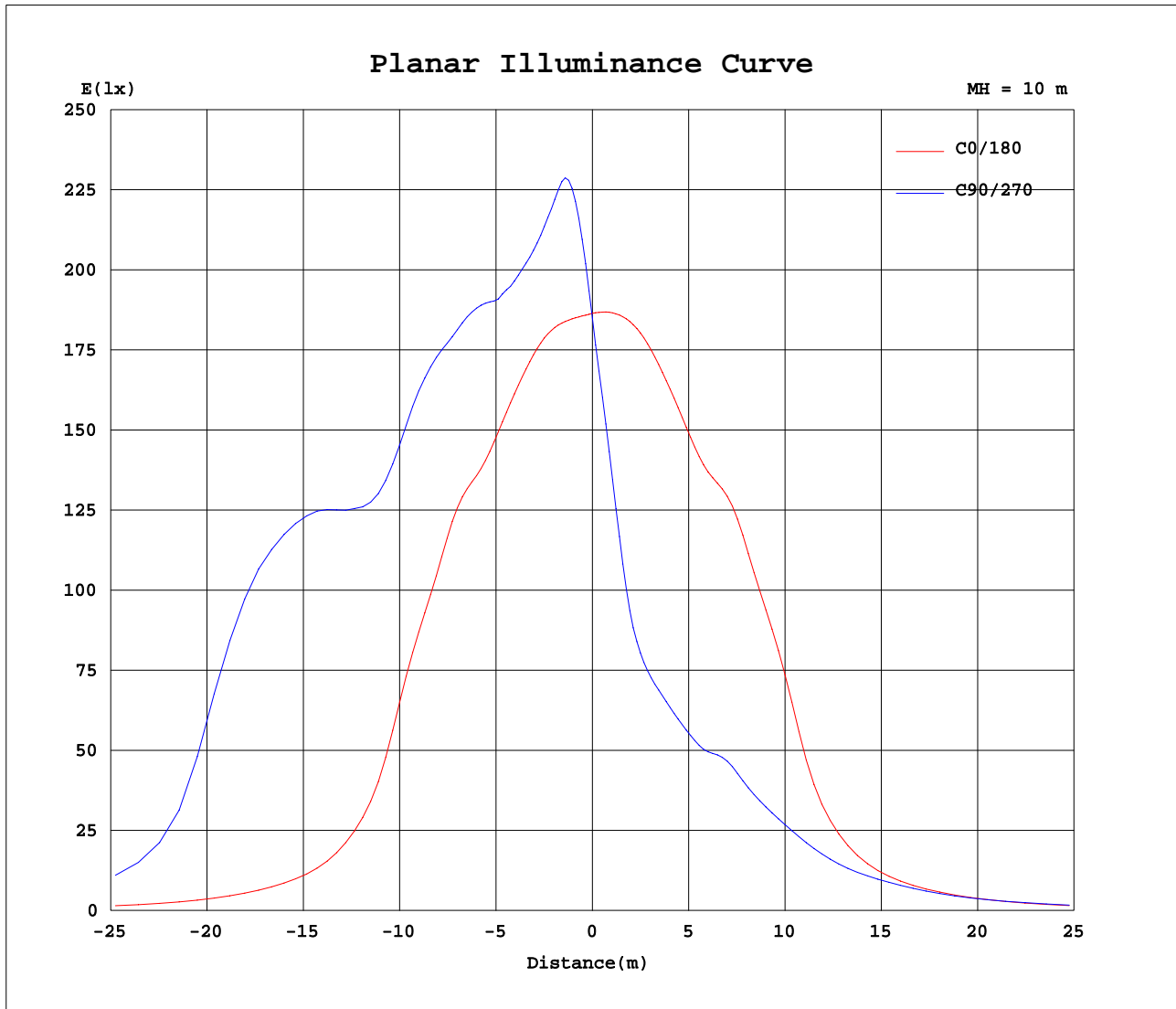
Test:U:219.1V I:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-7-25

$\gamma$  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



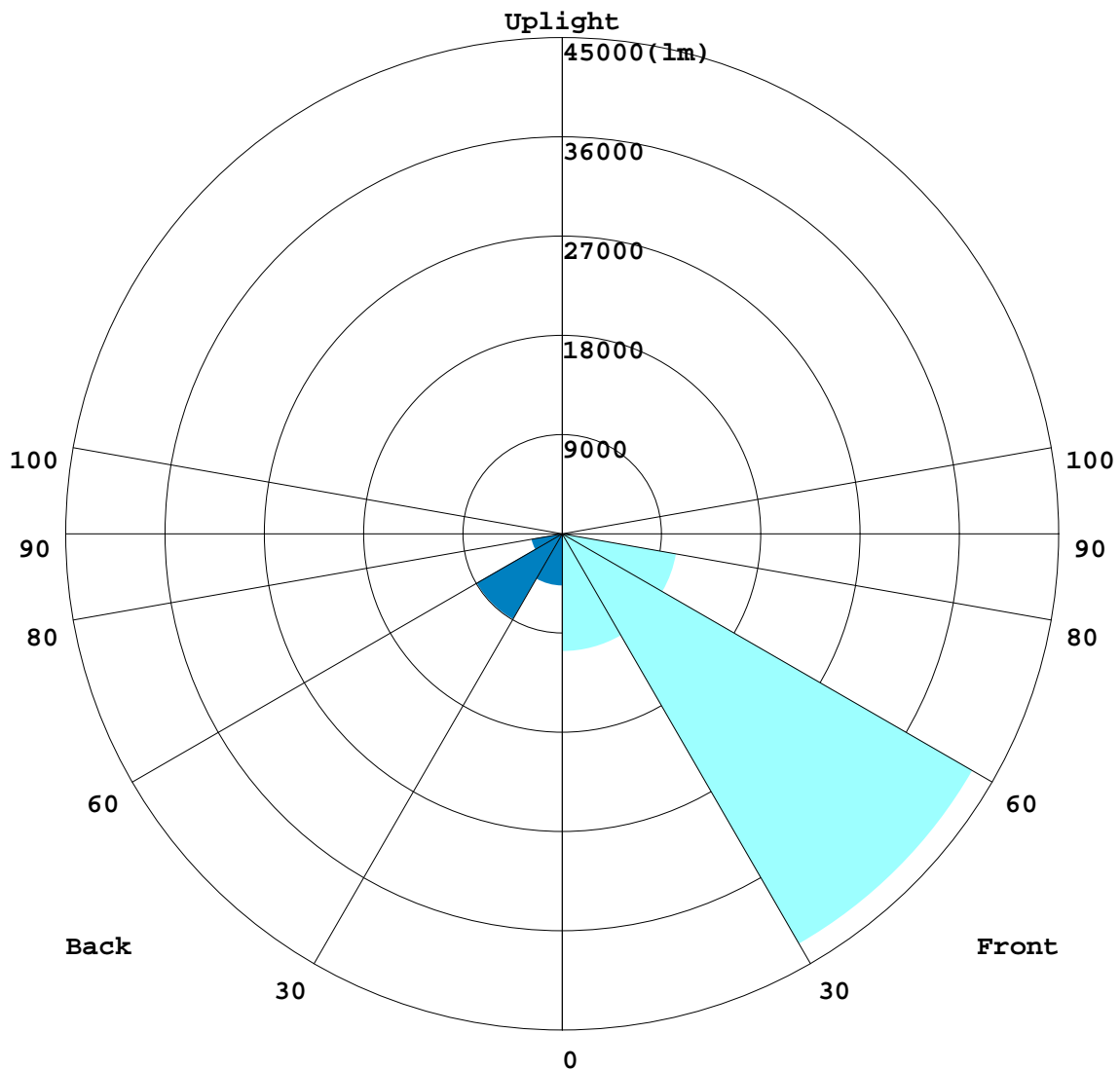
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-7-25

$\gamma$  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:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-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:2024-7-25

$\gamma$  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:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-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)	10649	13.1
FM - Front-Medium(30-60)	42953	53.0
FH - Front-High(60-80)	10498	13.0
FVH - Front-Very High(80-90)	296.95	0.4
Total Forward Light	64397	79.5

BL - Back-Low(0-30)	4708.2	5.8
BM - Back-Medium(30-60)	8937.8	11.0
BH - Back-High(60-80)	2812.2	3.5
BVH - Back-Very High(80-90)	164.59	0.2
Total Back Light	16623	20.5

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	B5-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16623	0	16623
Street Side	64397	0	64397

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-7-25

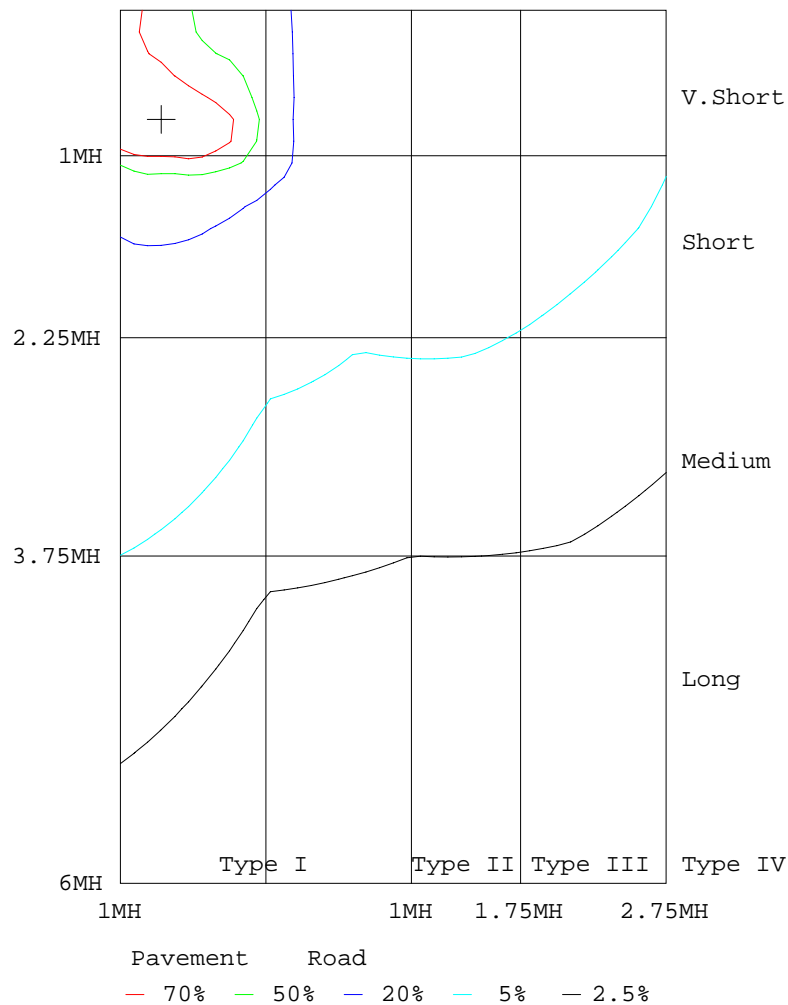
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.1V I:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-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:2024-7-25

$\gamma$  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:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
5	1851	1962	2063	2142	2191	2225	2233	2233	2206	2159	2083	1981	1868	1757	1657	1571	1506	1459	1445
10	1892	2128	2310	2395	2388	2373	2348	2386	2410	2420	2332	2151	1913	1682	1474	1288	1157	1072	1048
15	1944	2321	2523	2512	2415	2363	2332	2376	2430	2525	2540	2340	1962	1596	1264	1020	909	872	857
20	1986	2492	2665	2607	2499	2430	2406	2443	2504	2600	2658	2509	2002	1481	1047	875	822	814	806
25	2027	2662	2854	2815	2705	2602	2578	2600	2681	2783	2814	2670	2045	1343	895	804	799	794	777
30	2101	2974	3196	3136	3047	2954	2900	2941	3011	3084	3122	2953	2118	1187	812	774	792	786	773
35	2263	3573	3904	3645	3555	3386	3289	3361	3494	3546	3738	3548	2327	1022	730	765	793	848	846
40	2171	3734	4711	4676	4065	3702	3764	3688	3956	4423	4704	3867	2321	859	673	744	838	826	804
45	1818	3447	4853	5542	4771	4052	4098	4035	4501	5513	4975	3772	2059	748	622	754	786	762	756
50	1084	1841	3096	5210	5598	4742	4731	4721	5520	5333	3685	2113	1235	629	603	773	701	669	663
55	695	1184	1703	2628	4859	6814	6589	6638	5160	3171	1867	1307	766	510	562	699	617	583	572
60	503	881	1210	1192	2210	8015	8503	8552	2768	1305	1280	957	534	404	463	568	514	501	486
65	357	652	806	637	987	4069	4143	4247	1170	699	833	703	375	309	361	426	405	400	386
70	244	444	505	342	503	1182	1499	1297	606	374	515	487	257	230	267	285	298	302	292
75	146	266	282	191	251	547	689	610	299	210	286	294	156	148	170	171	187	192	189
80	70.8	124	121	89.3	116	235	298	269	135	101	125	140	77.7	72.2	82.4	80.0	90.3	91.5	93.3
85	19.6	34.3	30.8	28.1	32.4	67.5	91.6	78.7	36.1	33.4	34.9	38.2	24.8	20.6	24.6	22.3	27.4	27.6	30.8
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:2024-7-25

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:2.714A P:591.6W PF:0.9950 Freq:50.01Hz Lamp Flux:81019.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-4070-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	1844	1844	1844	1844	1844														
5	1452	1495	1555	1640	1737														
10	1063	1136	1261	1443	1655														
15	872	905	998	1224	1564														
20	816	825	875	1016	1440														
25	798	809	809	886	1293														
30	793	805	789	806	1131														
35	861	820	785	728	956														
40	827	859	773	682	814														
45	761	786	802	643	709														
50	663	698	802	635	596														
55	580	607	697	602	495														
60	496	500	559	506	397														
65	395	396	423	390	306														
70	298	292	285	281	227														
75	190	184	170	174	146														
80	90.4	88.0	78.5	80.0	67.8														
85	27.4	26.2	20.4	22.4	17.9														
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:2024-7-25

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: