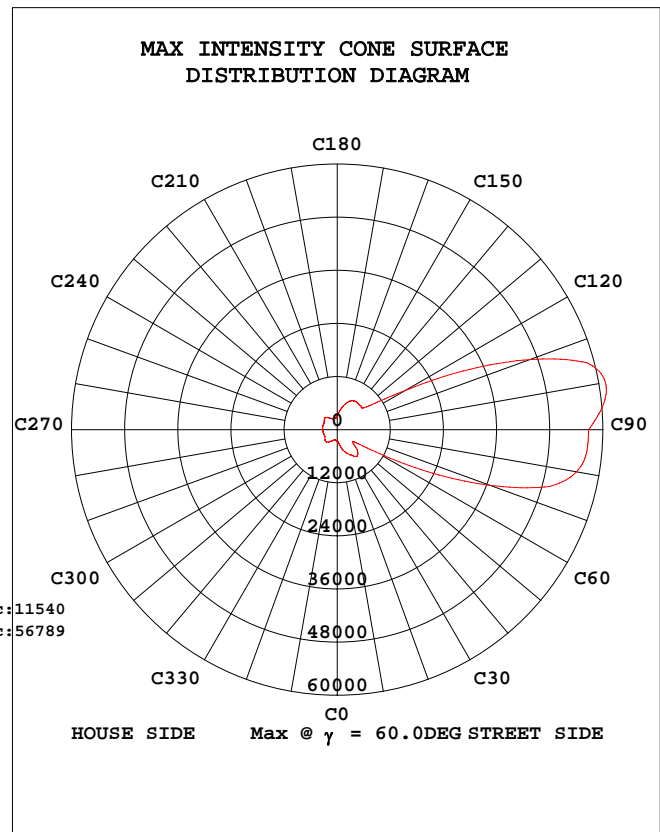
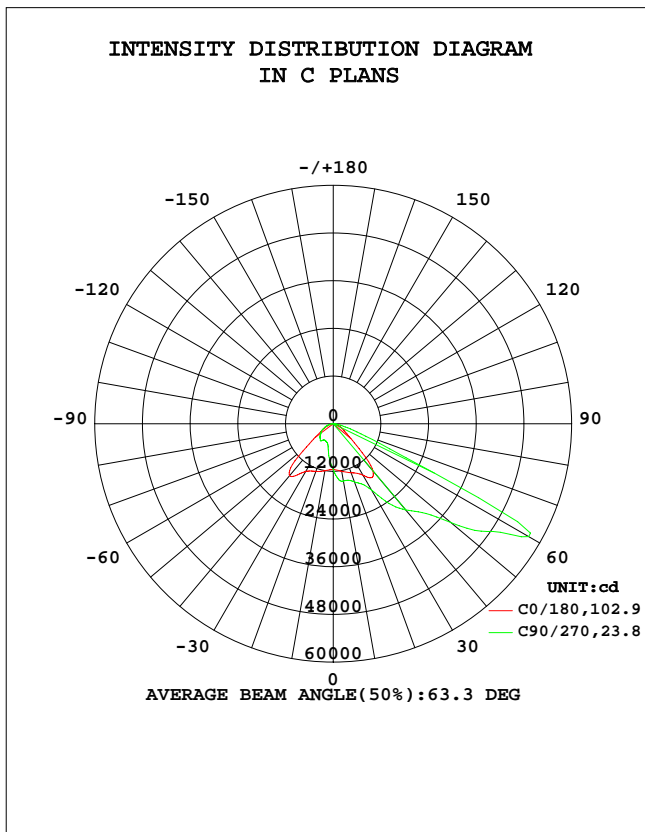


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.95 lm/W			
MODEL	3737	Imax(cd)	58387	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	79.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	52815	η house_up(%)	0.0
NOMINAL FLUX(lm)	52815.4	MAXIMUM @(C, γ)	105,60.0	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	19.962

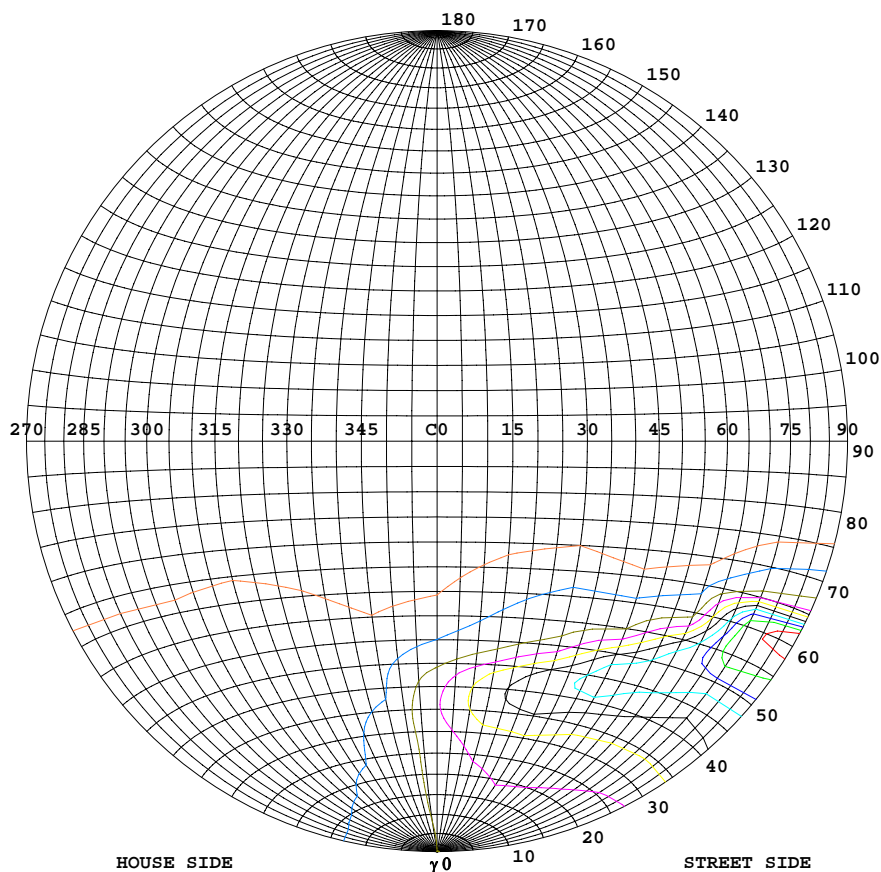


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-23

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:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



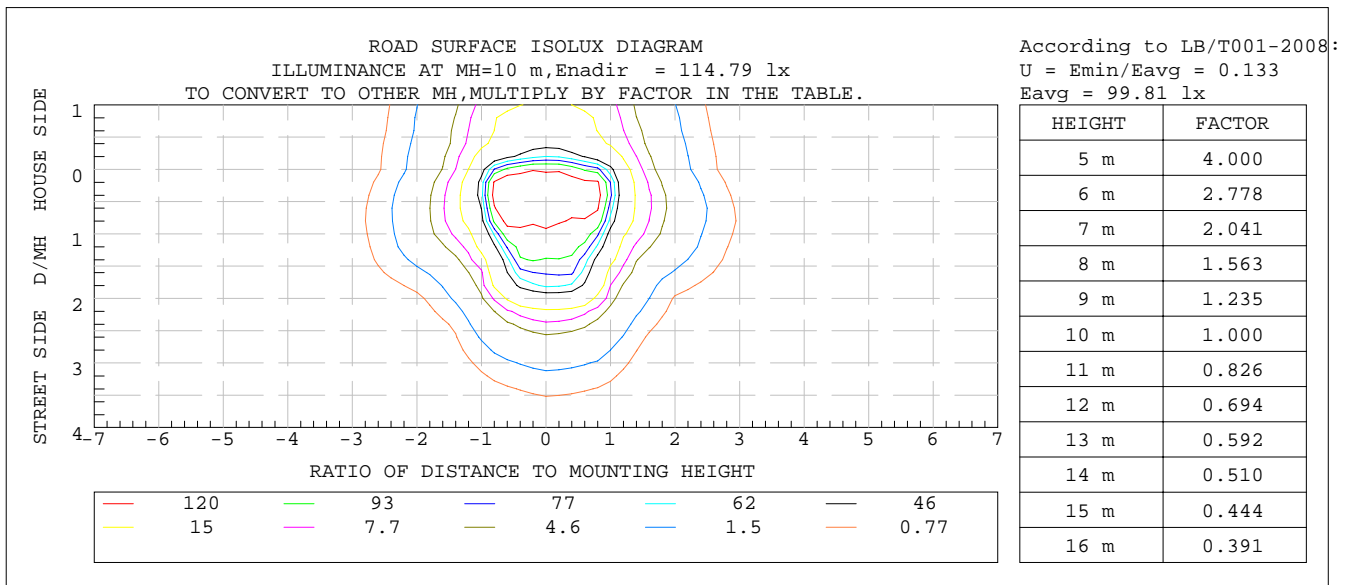
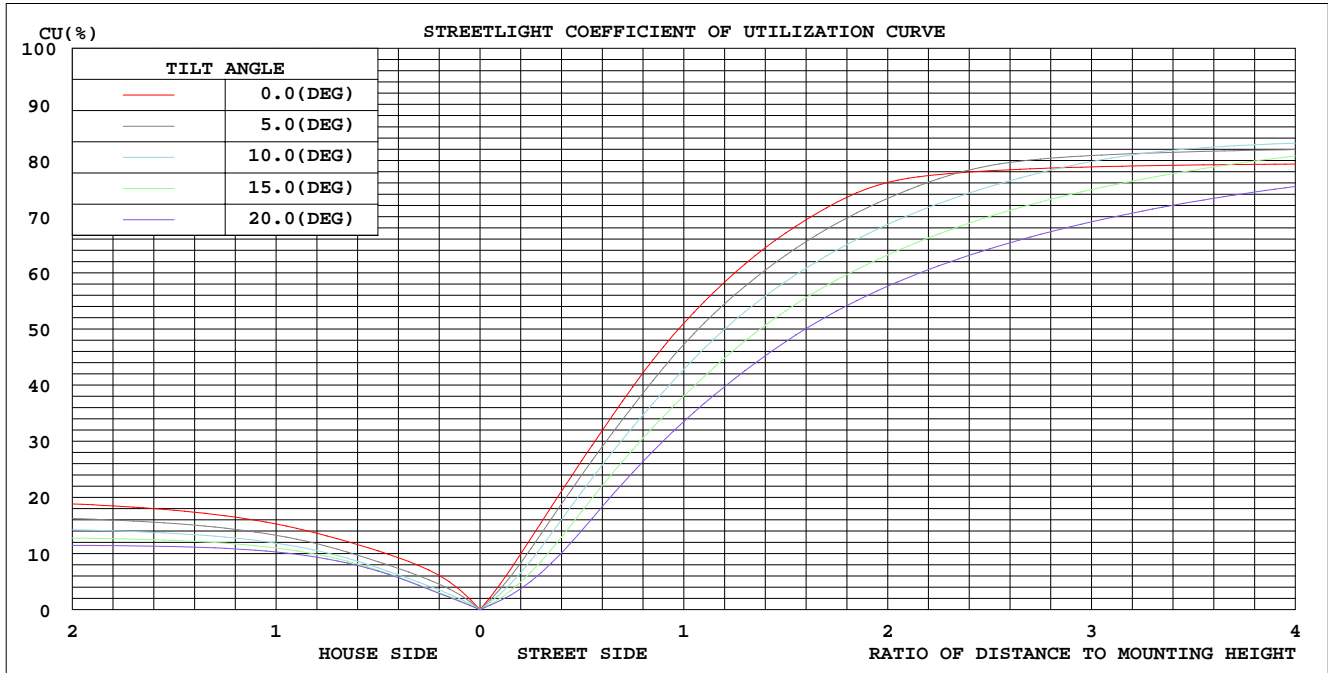
Classification:

IES:Type III - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:25.06cd/klm
Max.At90:0cd/klm
Max.80-90:25.06cd/klm
NRB 5101:Limited[3.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	58387
90%	52548
80%	46709
70%	40871
60%	35032
50%	29193
40%	23355
30%	17516
20%	11677
10%	5839
5%	2919

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-23

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:

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: 2024-11-23

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:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

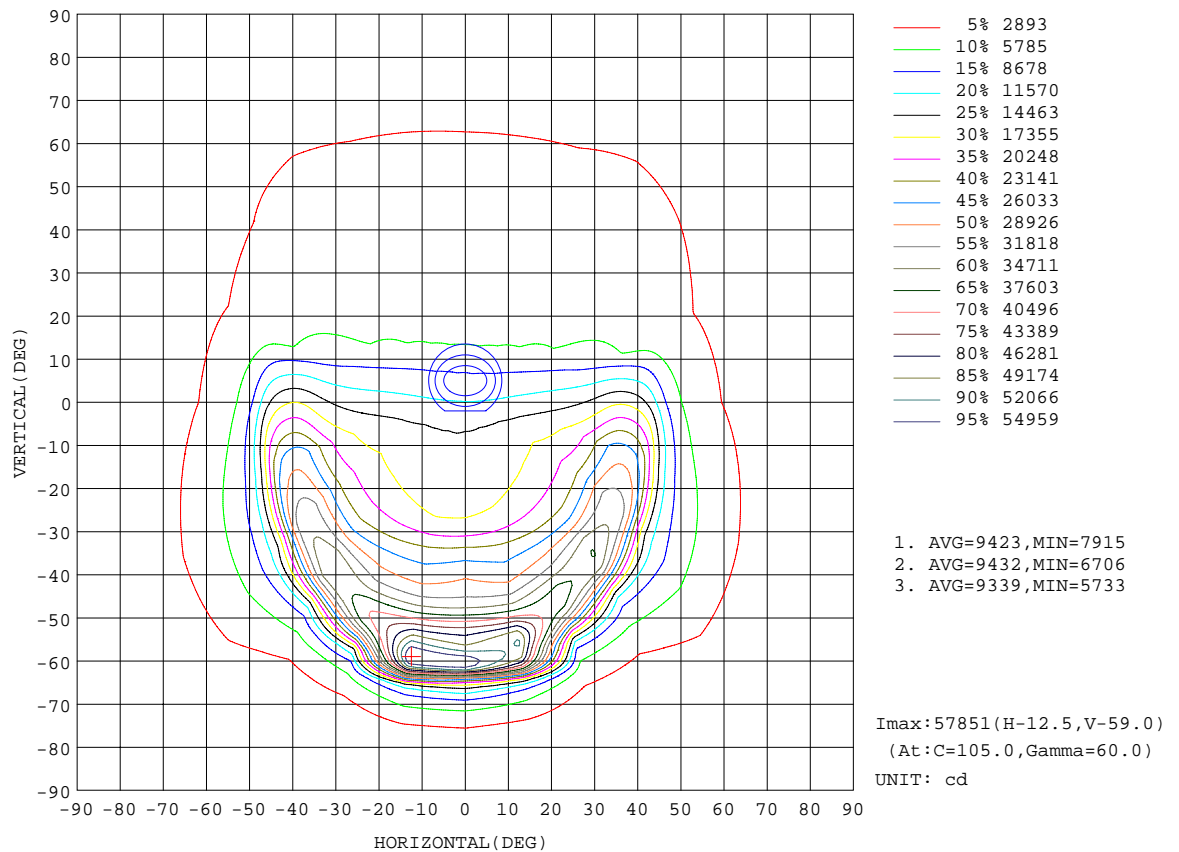
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1215	1522	1466	1500	1201	867.9	716.4	856.3	0- 10	1117	1117	2.12,2.12
20	1312	1746	1558	1661	1277	556.3	490.4	545.2	10- 20	3254	4371	8.28,8.28
30	1496	2140	1927	1991	1388	471.5	468.7	472.3	20- 30	5602	9972	18.9,18.9
40	1554	3333	2829	2821	1708	448.3	511.7	458.1	30- 40	9480	19453	36.8,36.8
50	579.4	2825	3877	3573	786.0	477.4	419.9	509.0	40- 50	13178	32631	61.8,61.8
60	275.3	635.1	5679	765.5	320.5	387.2	327.5	372.8	50- 60	12155	44785	84.8,84.8
70	140.2	184.6	742.8	206.4	163.8	201.6	196.7	189.2	60- 70	6155	50941	96.5,96.5
80	37.39	49.98	132.4	60.96	53.35	61.60	62.34	51.39	70- 80	1622	52563	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	252.7	52815	100,100
100	0	0	0	0	0	0	0	0	90-100	0	52815	100,100
110	0	0	0	0	0	0	0	0	100-110	0	52815	100,100
120	0	0	0	0	0	0	0	0	110-120	0	52815	100,100
130	0	0	0	0	0	0	0	0	120-130	0	52815	100,100
140	0	0	0	0	0	0	0	0	130-140	0	52815	100,100
150	0	0	0	0	0	0	0	0	140-150	0	52815	100,100
160	0	0	0	0	0	0	0	0	150-160	0	52815	100,100
170	0	0	0	0	0	0	0	0	160-170	0	52815	100,100
180	0	0	0	0	0	0	0	0	170-180	0	52815	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:2024-11-23

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:

ISOCANDELA DIAGRAM

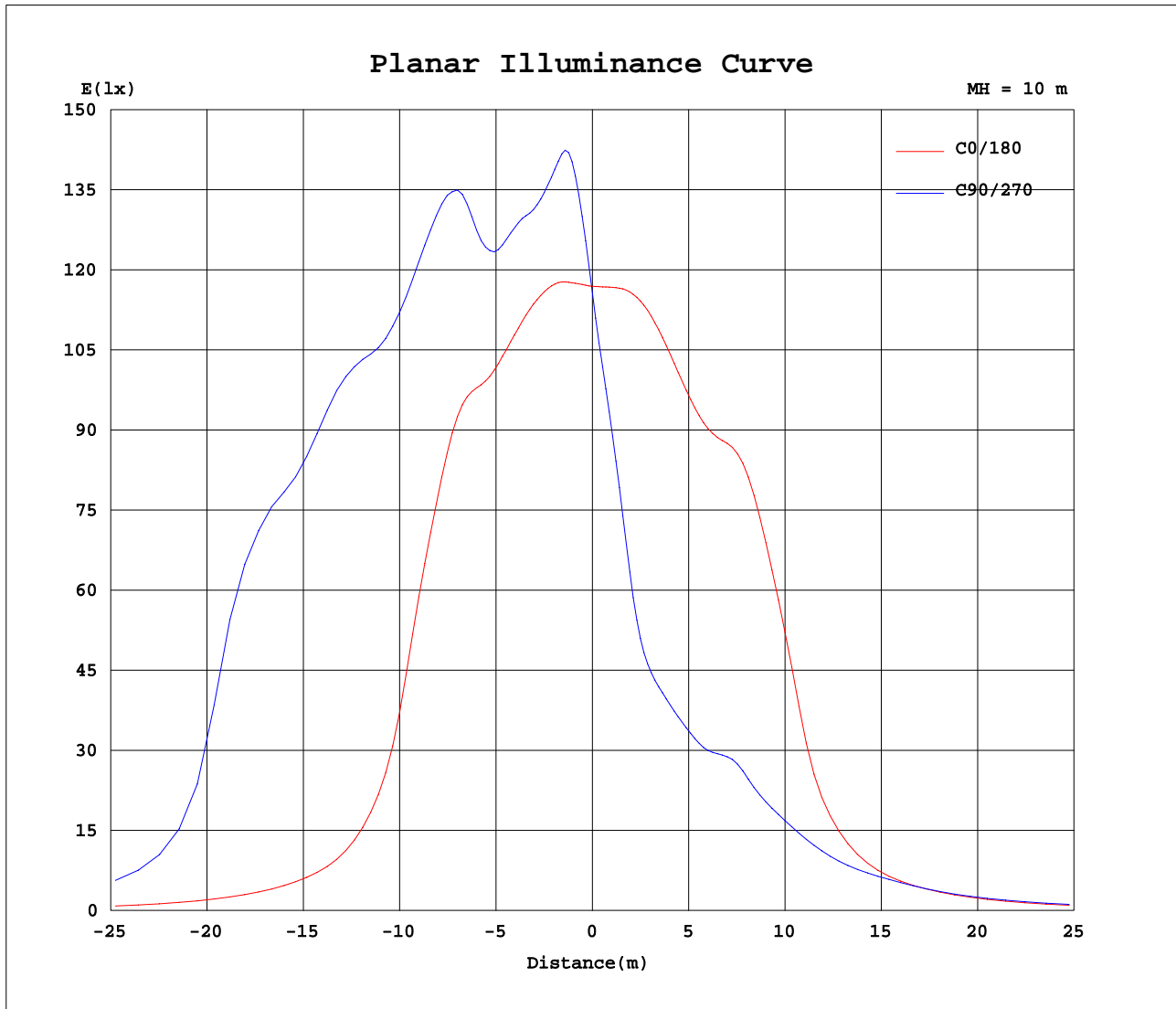
Test:U:219.3V I:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-11-23

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



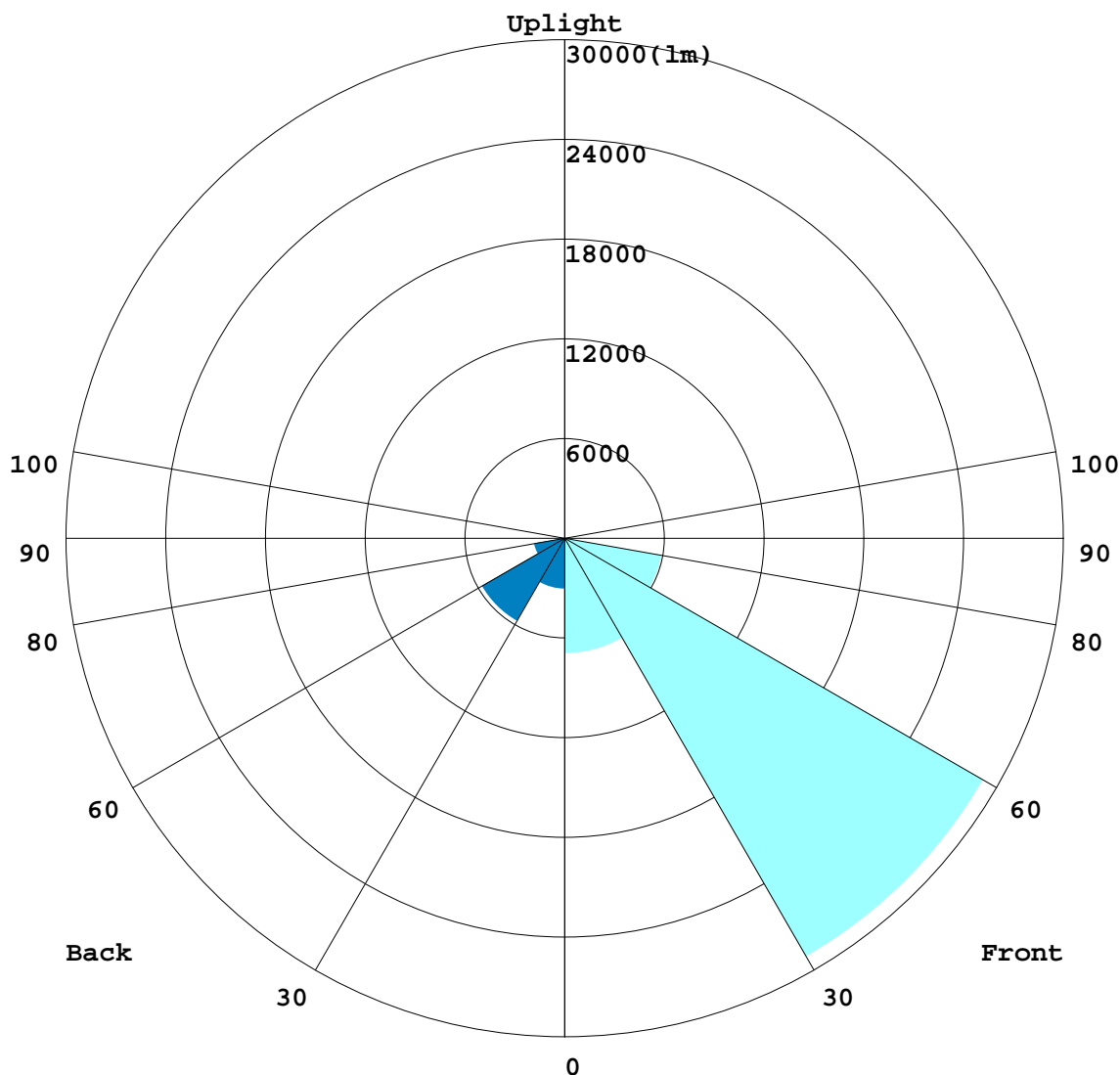
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-11-23

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:

LCS REPORT

Test:U:219.3V I:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-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:2024-11-23

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:

BUG REPORT

Test:U:219.3V I:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-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)	6927.6	13.1
FM - Front-Medium(30-60)	29069	55.0
FH - Front-High(60-80)	5910	11.2
FVH - Front-Very High(80-90)	142.62	0.3
Total Forward Light	42050	79.6

BL - Back-Low(0-30)	3044.7	5.8
BM - Back-Medium(30-60)	5743.8	10.9
BH - Back-High(60-80)	1867.3	3.5
BVH - Back-Very High(80-90)	110.03	0.2
Total Back Light	10766	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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10766	0	10766
Street Side	42050	0	42050

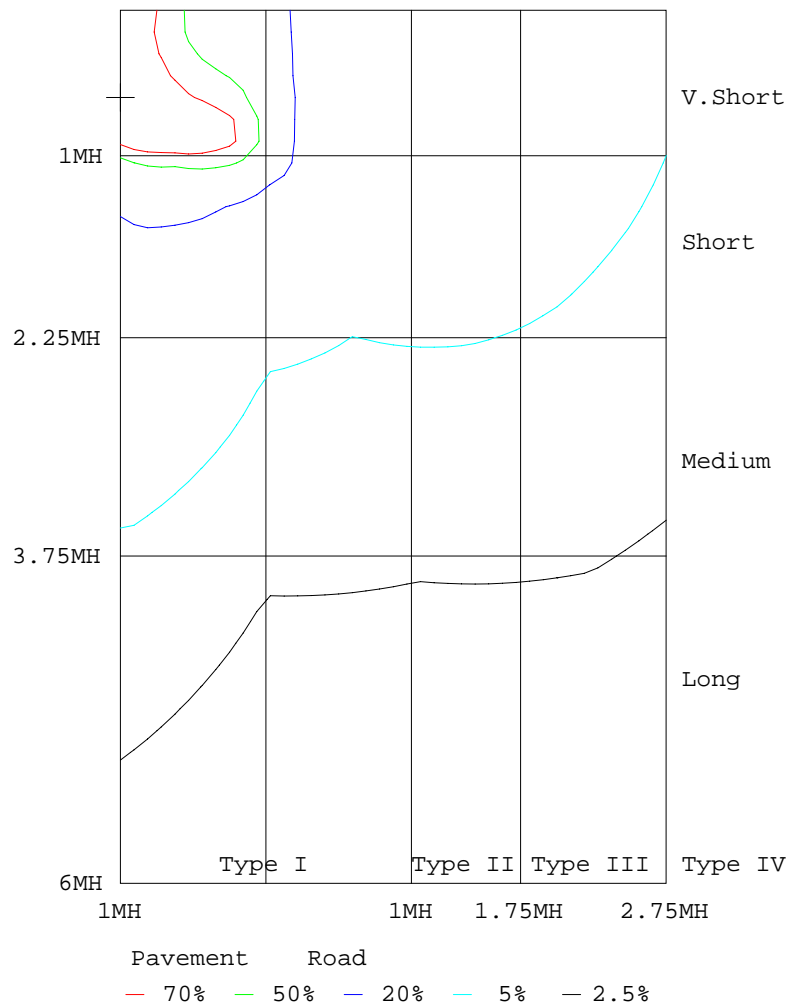
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-11-23

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:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-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:2024-11-23

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:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-00-4070-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154
5	1173	1237	1297	1340	1371	1385	1387	1381	1366	1334	1292	1232	1165	1104	1050	1006	972	950	942
10	1215	1354	1469	1522	1518	1492	1466	1477	1492	1500	1449	1337	1201	1073	966	868	790	734	716
15	1262	1486	1629	1632	1573	1514	1475	1486	1521	1578	1596	1461	1241	1040	862	699	593	547	535
20	1312	1623	1772	1746	1673	1600	1558	1559	1594	1661	1691	1579	1277	991	727	556	508	496	490
25	1376	1802	1962	1912	1826	1736	1670	1671	1728	1796	1823	1701	1314	924	586	497	490	482	472
30	1496	2129	2262	2140	2045	1982	1927	1902	1932	1991	2042	1917	1388	849	508	471	484	477	469
35	1661	2622	2834	2533	2445	2416	2449	2376	2308	2284	2410	2332	1571	752	452	464	482	515	523
40	1554	2698	3312	3333	2939	2709	2829	2704	2747	2821	3093	2807	1708	612	412	448	514	535	512
45	1035	1888	2900	3762	3546	3129	3161	3093	3158	3654	3377	2595	1454	499	381	451	517	484	475
50	579	942	1438	2825	3866	3917	3877	3839	3870	3573	2223	1342	786	416	366	477	453	427	420
55	374	629	916	1142	2762	5134	4725	4978	3726	1857	1127	772	465	327	350	460	403	376	372
60	275	468	663	635	1002	4962	5679	5839	1760	766	751	562	320	261	293	387	341	338	327
65	201	348	453	340	482	1676	2020	2515	668	407	489	419	231	204	240	295	272	268	258
70	140	240	288	185	231	564	743	687	331	206	316	299	164	158	182	202	203	205	197
75	83.3	144	165	106	119	239	317	298	145	120	187	190	104	106	122	125	134	136	129
80	37.4	63.6	66.9	50.0	54.8	95.7	132	113	68.3	61.0	85.3	93.6	53.4	54.1	62.6	61.6	66.9	66.9	62.3
85	9.03	12.5	12.5	12.0	13.5	25.9	34.6	33.6	19.7	17.7	21.4	26.0	15.6	15.2	17.4	16.8	18.5	18.2	17.3
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:2024-11-23

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:1.877A P:406.4W PF:0.9877 Freq:60.01Hz Lamp Flux:52815.4x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N4)-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	1154	1154	1154	1154	1154														
5	948	970	1004	1050	1106														
10	726	778	856	961	1077														
15	544	580	673	843	1041														
20	496	505	545	690	987														
25	483	489	491	562	912														
30	479	486	472	494	817														
35	526	495	467	438	675														
40	534	534	458	409	532														
45	480	513	480	388	451														
50	420	449	509	388	371														
55	369	391	465	365	301														
60	324	324	373	309	243														
65	258	257	281	243	190														
70	196	190	189	179	144														
75	127	122	112	112	91.3														
80	61.3	59.0	51.4	51.5	41.1														
85	15.7	14.5	12.5	11.0	9.36														
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:2024-11-23

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: