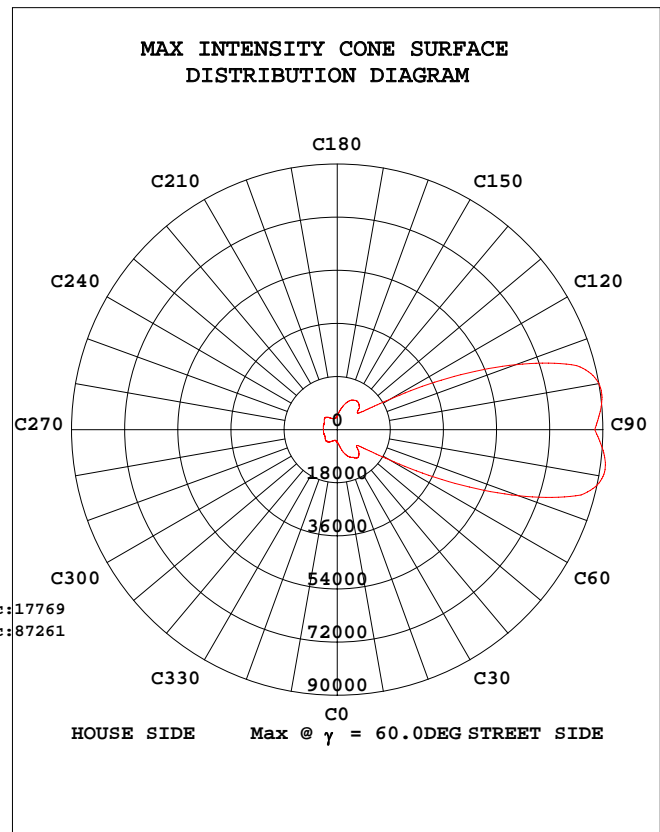
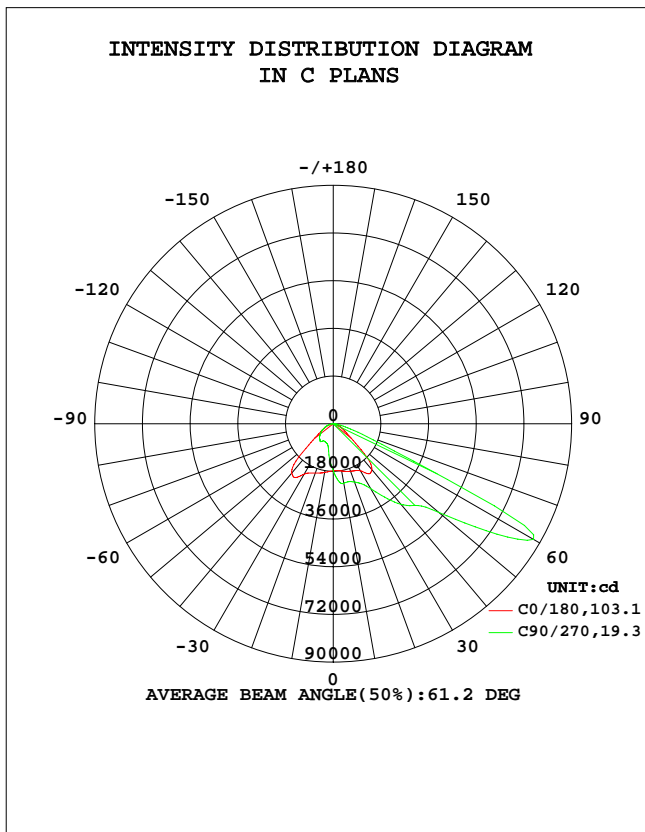


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.02 lm/W			
MODEL	3737	I _{max} (cd)	87261	η street_up(%)	0.0
NOMINAL POWER(W)	600	LOR(%)	100.0	η street_down(%)	79.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	79572	η house_up(%)	0.0
NOMINAL FLUX(lm)	79571.8	MAXIMUM @(C,γ)	90,60.0	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	20.572

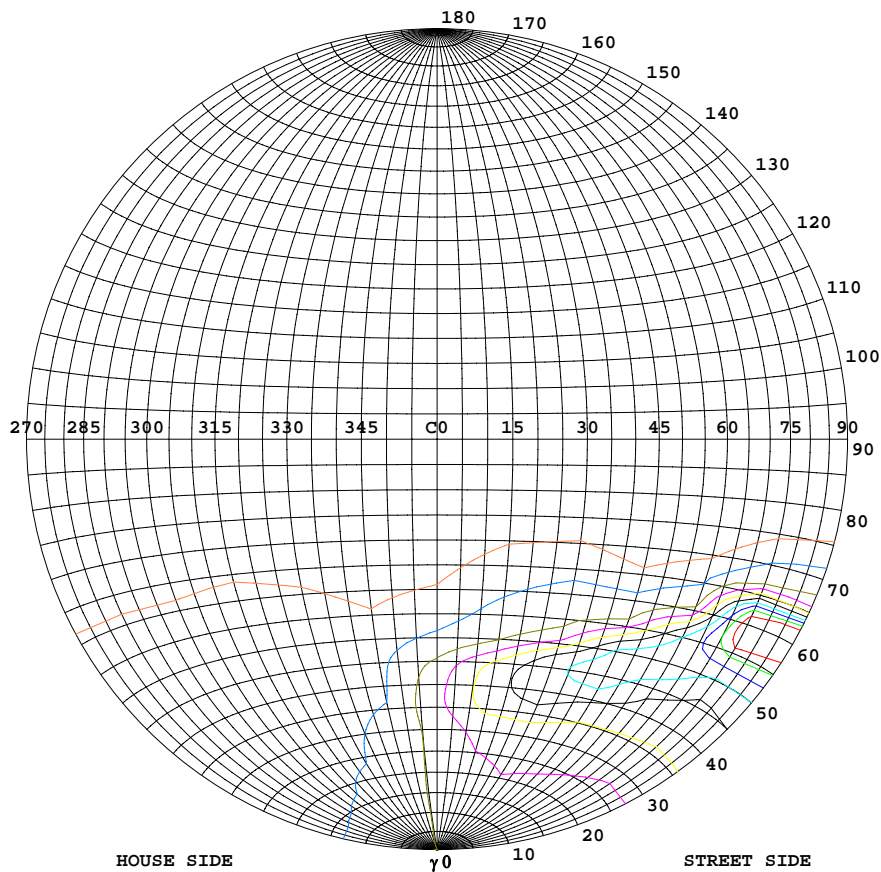


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-9-2

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:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



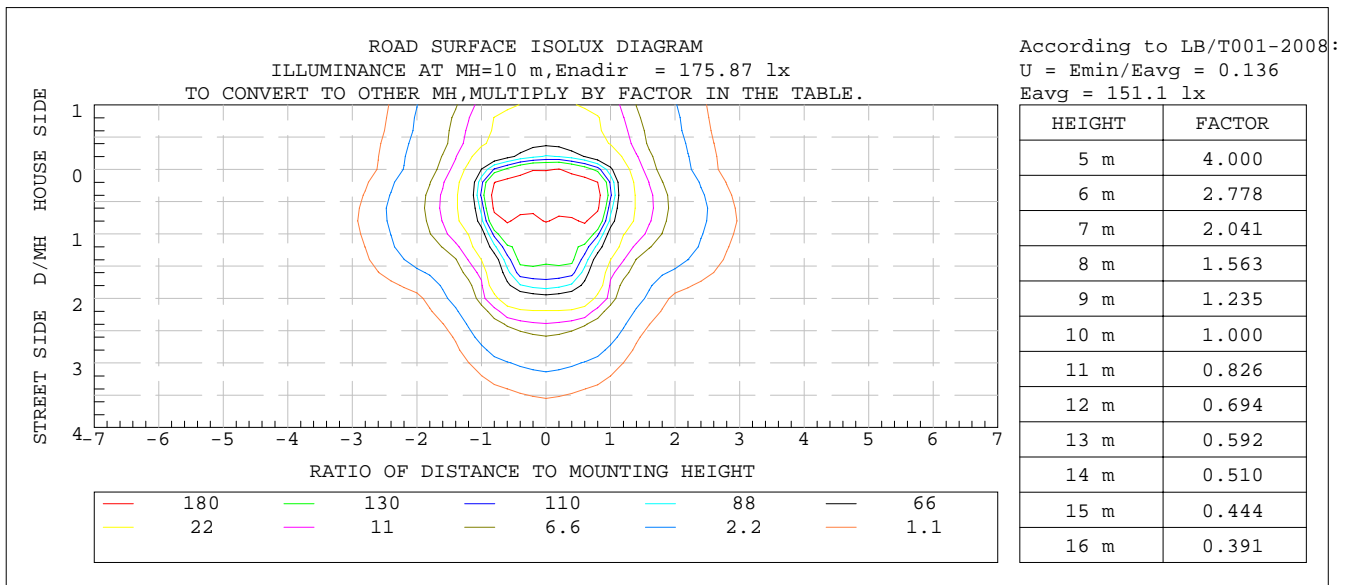
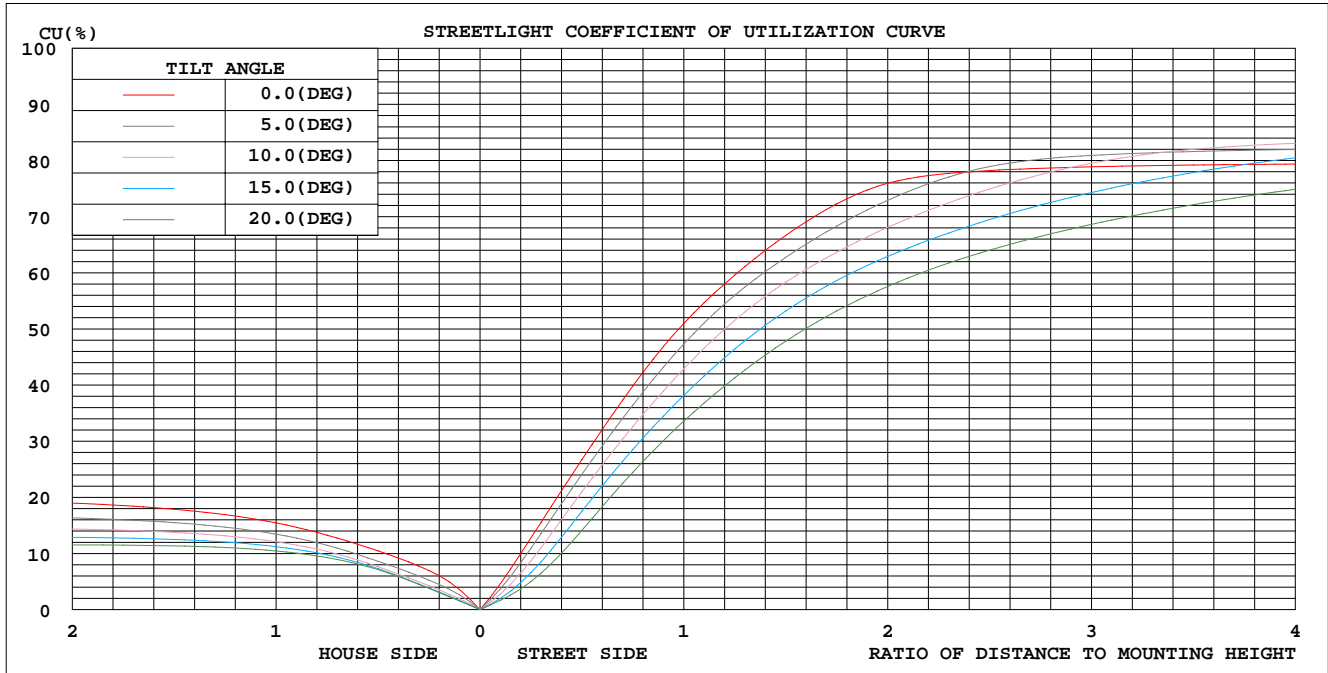
Classification:

IES:Type III - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:23.85cd/klm
Max.At90:0cd/klm
Max.80-90:23.85cd/klm
NRB 5101:Limited[3.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	87261
90%	78535
80%	69809
70%	61082
60%	52356
50%	43630
40%	34904
30%	26178
20%	17452
10%	8726
5%	4363

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:

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

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:219.1V I:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

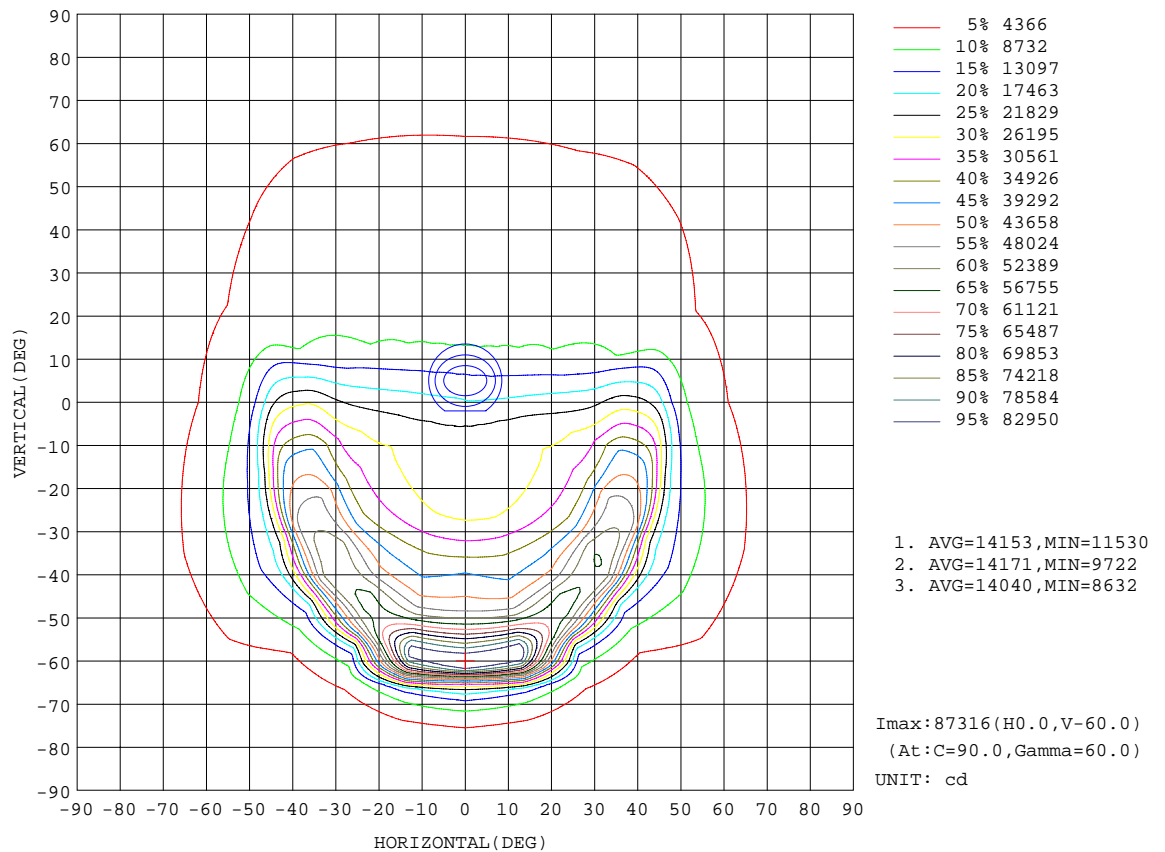
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1811	2301	2283	2370	1868	1283	1038	1249	0- 10	1709	1709	2.15,2.15
20	1909	2496	2341	2618	1985	844.3	774.0	844.4	10- 20	4929	6638	8.34,8.34
30	2052	2975	2831	3144	2198	745.5	744.3	754.8	20- 30	8380	15017	18.9,18.9
40	2265	4485	3969	4801	2438	720.4	787.4	733.6	30- 40	13996	29013	36.5,36.5
50	992.2	5310	5212	5361	1097	785.3	645.3	777.0	40- 50	19731	48744	61.3,61.3
60	453.4	1037	8726	1070	481.6	583.9	470.3	540.2	50- 60	18604	67348	84.6,84.6
70	218.8	264.9	1171	272.1	234.6	281.5	280.3	264.8	60- 70	9559	76907	96.7,96.7
80	60.26	68.51	189.8	74.76	70.53	74.28	85.60	67.70	70- 80	2312	79218	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	353.8	79572	100,100
100	0	0	0	0	0	0	0	0	90-100	0	79572	100,100
110	0	0	0	0	0	0	0	0	100-110	0	79572	100,100
120	0	0	0	0	0	0	0	0	110-120	0	79572	100,100
130	0	0	0	0	0	0	0	0	120-130	0	79572	100,100
140	0	0	0	0	0	0	0	0	130-140	0	79572	100,100
150	0	0	0	0	0	0	0	0	140-150	0	79572	100,100
160	0	0	0	0	0	0	0	0	150-160	0	79572	100,100
170	0	0	0	0	0	0	0	0	160-170	0	79572	100,100
180	0	0	0	0	0	0	0	0	170-180	0	79572	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

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

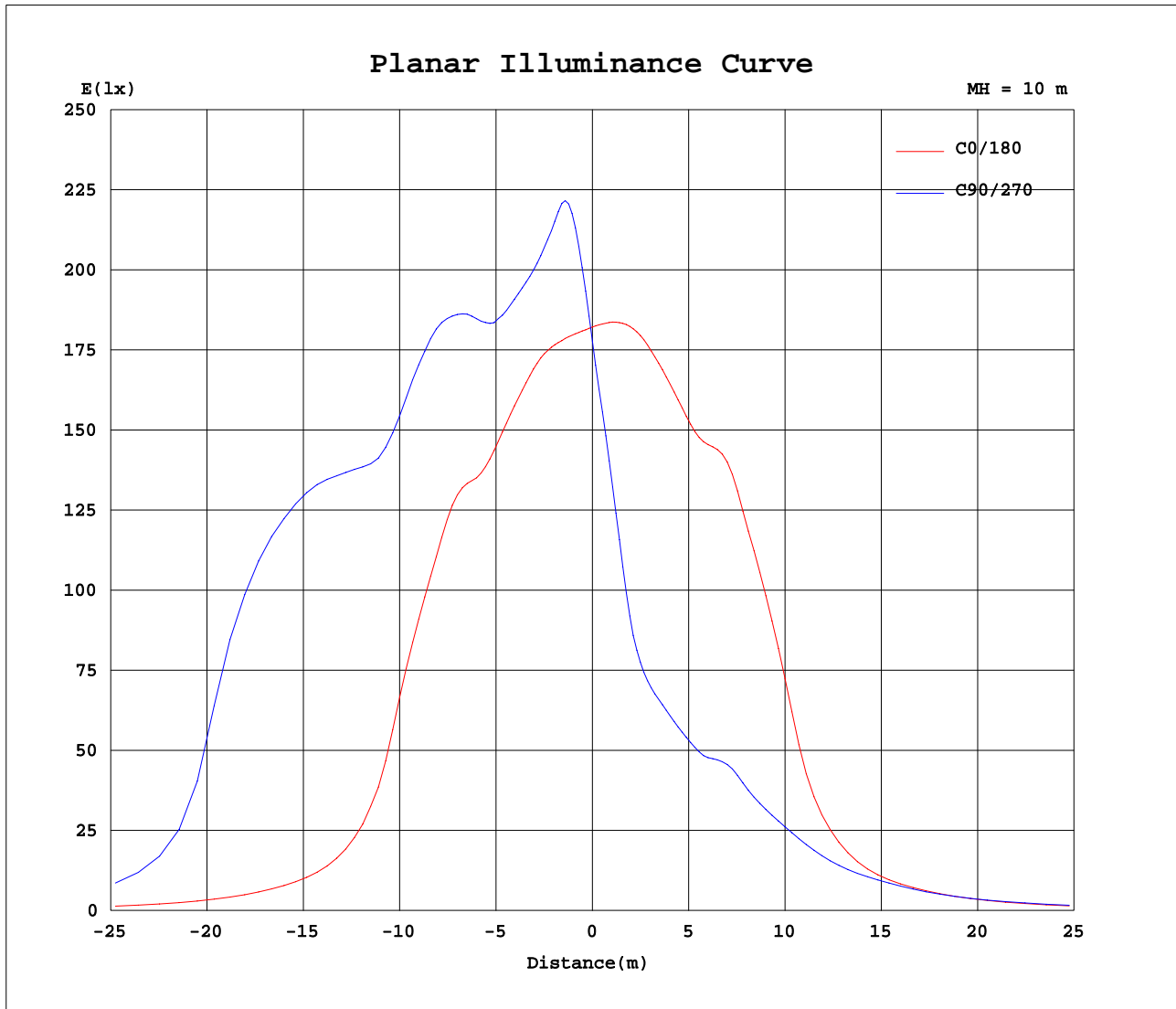
Test:U:219.1V I:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



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

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



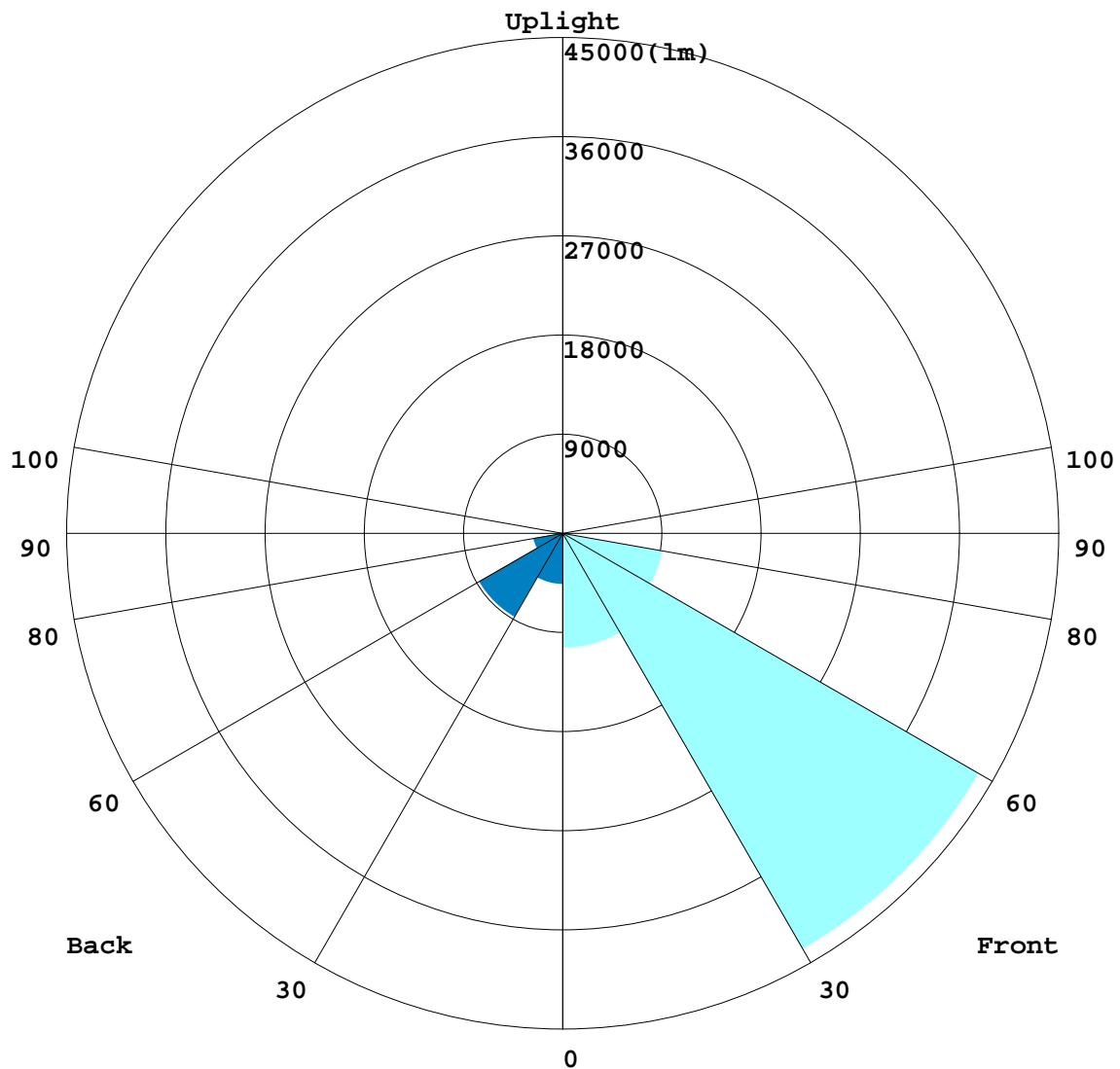
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-9-2

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:

LCS REPORT

Test:U:219.1V I:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-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

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:219.1V I:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-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)	10394	13.1
FM - Front-Medium(30-60)	43568	54.8
FH - Front-High(60-80)	9177.3	11.5
FVH - Front-Very High(80-90)	206.98	0.3
Total Forward Light	63347	79.6

BL - Back-Low(0-30)	4623.1	5.8
BM - Back-Medium(30-60)	8762.4	11.0
BH - Back-High(60-80)	2692.8	3.4
BVH - Back-Very High(80-90)	146.78	0.2
Total Back Light	16225	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	B5-U0-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16225	0	16225
Street Side	63347	0	63347

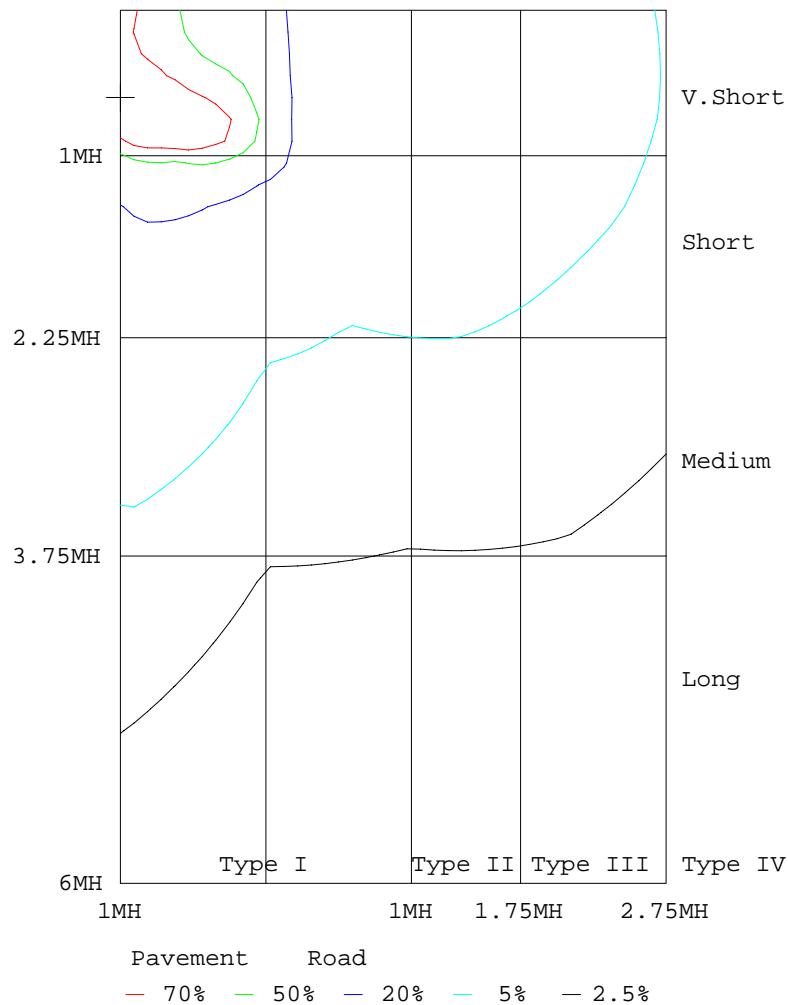
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-9-2

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:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-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

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:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-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	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777
5	1777	1879	1975	2053	2106	2143	2154	2157	2132	2086	2011	1917	1811	1709	1618	1539	1479	1434	1419
10	1811	2029	2207	2301	2306	2298	2283	2331	2362	2370	2276	2092	1868	1655	1462	1283	1152	1064	1038
15	1867	2215	2423	2408	2319	2278	2267	2332	2406	2508	2515	2289	1929	1587	1265	1008	882	839	825
20	1909	2378	2551	2496	2396	2340	2341	2408	2510	2618	2670	2476	1985	1486	1041	844	789	780	774
25	1958	2548	2731	2686	2577	2496	2495	2576	2698	2833	2885	2691	2056	1366	870	771	769	762	748
30	2052	2872	3069	2975	2870	2822	2831	2912	3016	3144	3255	3077	2198	1225	783	745	765	757	744
35	2303	3597	3781	3438	3392	3364	3383	3448	3560	3641	4060	3839	2485	1048	699	738	771	830	829
40	2265	3931	4810	4485	3969	3772	3969	3858	4136	4801	4962	4115	2438	859	646	720	832	818	787
45	1836	3551	4953	5636	4718	4207	4364	4319	4931	5728	5081	3731	1998	743	607	743	791	750	739
50	992	1673	2909	5310	5827	5140	5212	5257	5895	5361	3066	1814	1097	617	596	785	701	654	645
55	620	1056	1509	2471	5180	7393	7043	7437	5156	2557	1628	1153	672	492	556	724	614	573	560
60	453	786	1082	1037	2032	8550	8726	8399	2060	1070	1150	855	482	391	457	584	508	490	470
65	321	587	721	523	839	3803	3357	3933	846	540	754	638	341	299	361	431	402	392	371
70	219	403	452	265	383	914	1171	910	406	272	474	445	235	223	266	281	296	296	280
75	128	239	250	143	171	376	478	385	181	150	265	272	142	143	167	163	183	186	180
80	60.3	107	102	68.5	76.8	143	190	145	82.1	74.8	113	130	70.5	69.3	77.8	74.3	85.3	87.0	85.6
85	15.3	26.0	23.3	21.7	22.5	40.1	53.5	41.7	25.0	25.5	29.7	36.8	22.0	18.9	22.8	19.8	26.1	25.1	26.0
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:2.744A P:598.2W PF:0.9951 Freq:50.00Hz Lamp Flux:79571.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-O37-00-5080-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	1777	1777	1777	1777	1777														
5	1426	1464	1518	1590	1678														
10	1053	1129	1249	1416	1603														
15	839	875	979	1214	1527														
20	784	793	844	999	1420														
25	769	779	776	855	1283														
30	764	776	755	774	1127														
35	838	787	750	694	946														
40	812	837	734	649	790														
45	741	769	765	605	688														
50	642	678	777	598	576														
55	565	589	680	564	472														
60	479	481	540	474	377														
65	379	376	404	360	289														
70	284	274	265	258	214														
75	177	169	153	157	134														
80	82.2	77.6	67.7	69.9	59.7														
85	23.1	22.4	16.4	16.5	14.5														
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: