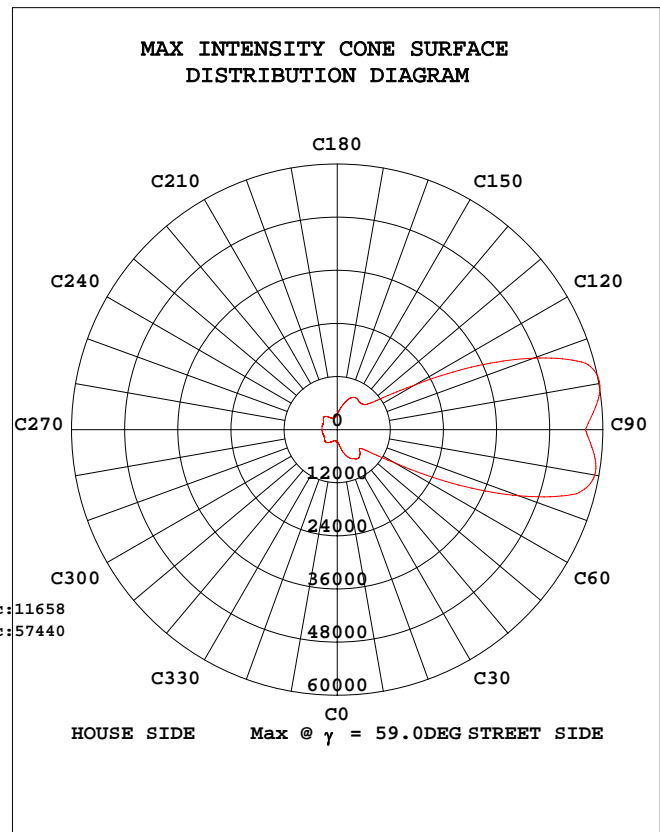
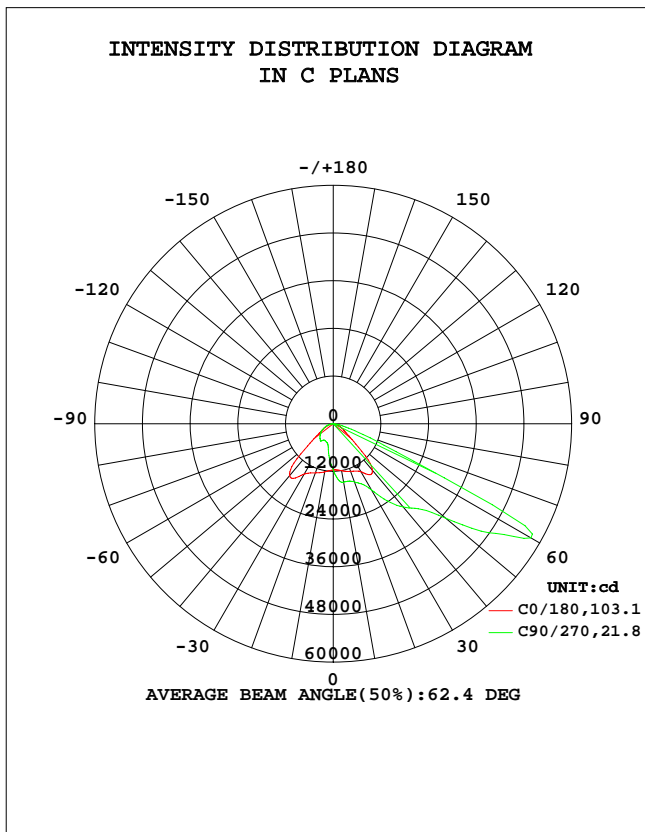


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.98 lm/W			
MODEL	3737	Imax(cd)	58094	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	79.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	53487	η house_up(%)	0.0
NOMINAL FLUX(lm)	53486.8	MAXIMUM @(C, γ)	105,59.0	η house_down(%)	20.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.999

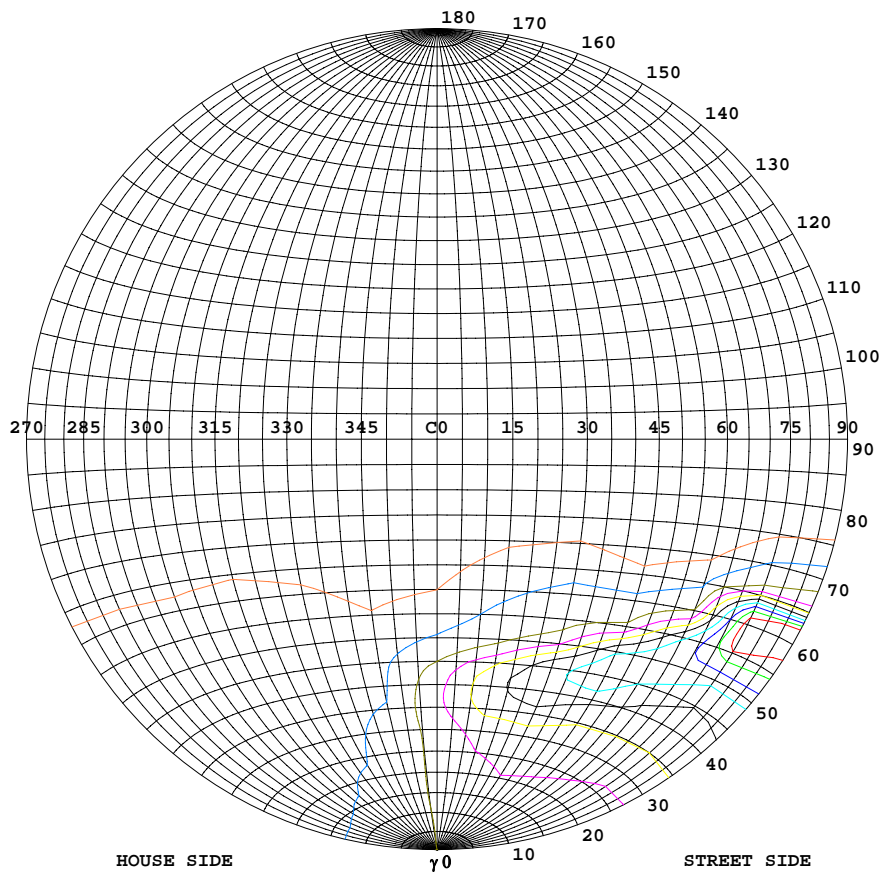


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-23

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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



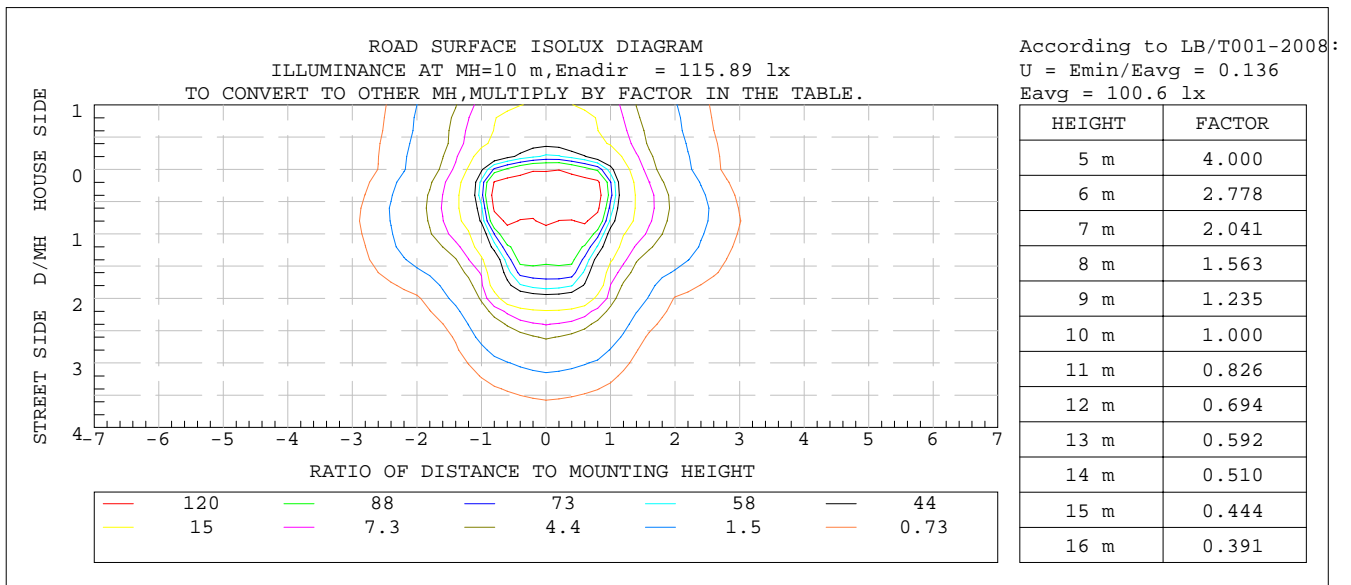
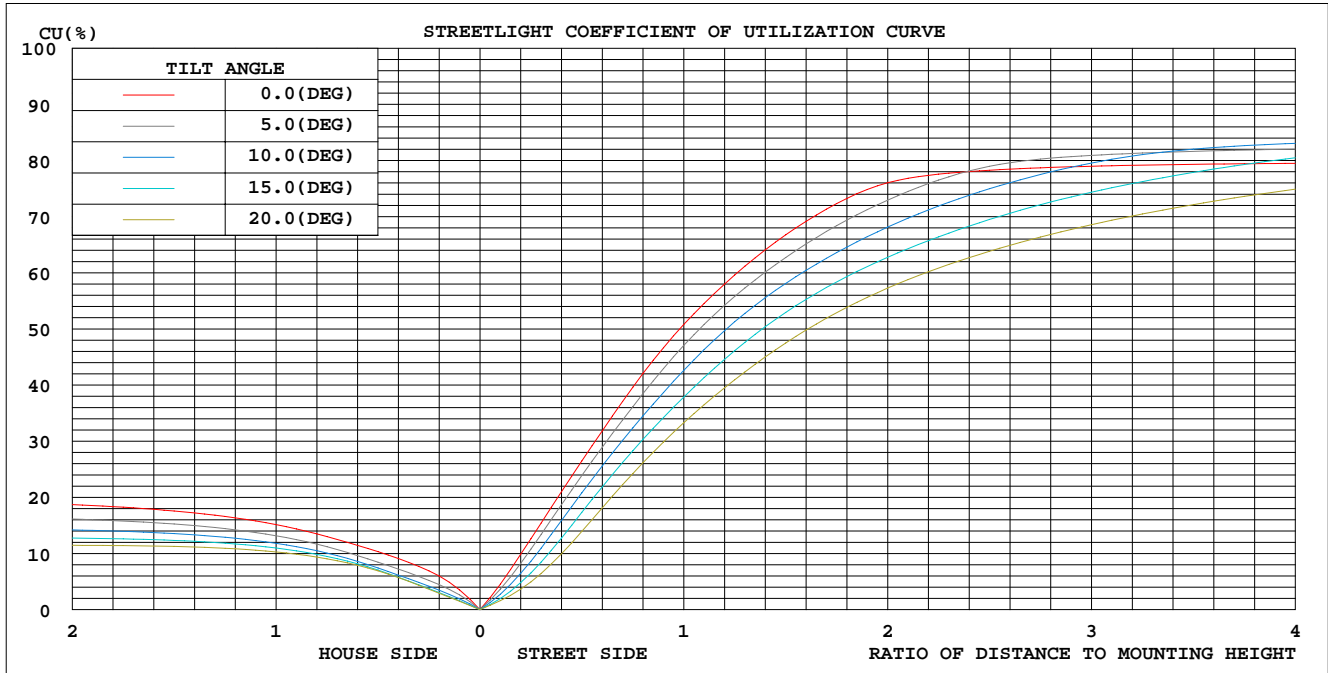
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:25.69cd/klm
Max.At90:0cd/klm
Max.80-90:25.69cd/klm
NRB 5101:Limited[3.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	58094
90%	52284
80%	46475
70%	40666
60%	34856
50%	29047
40%	23237
30%	17428
20%	11619
10%	5809
5%	2905

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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

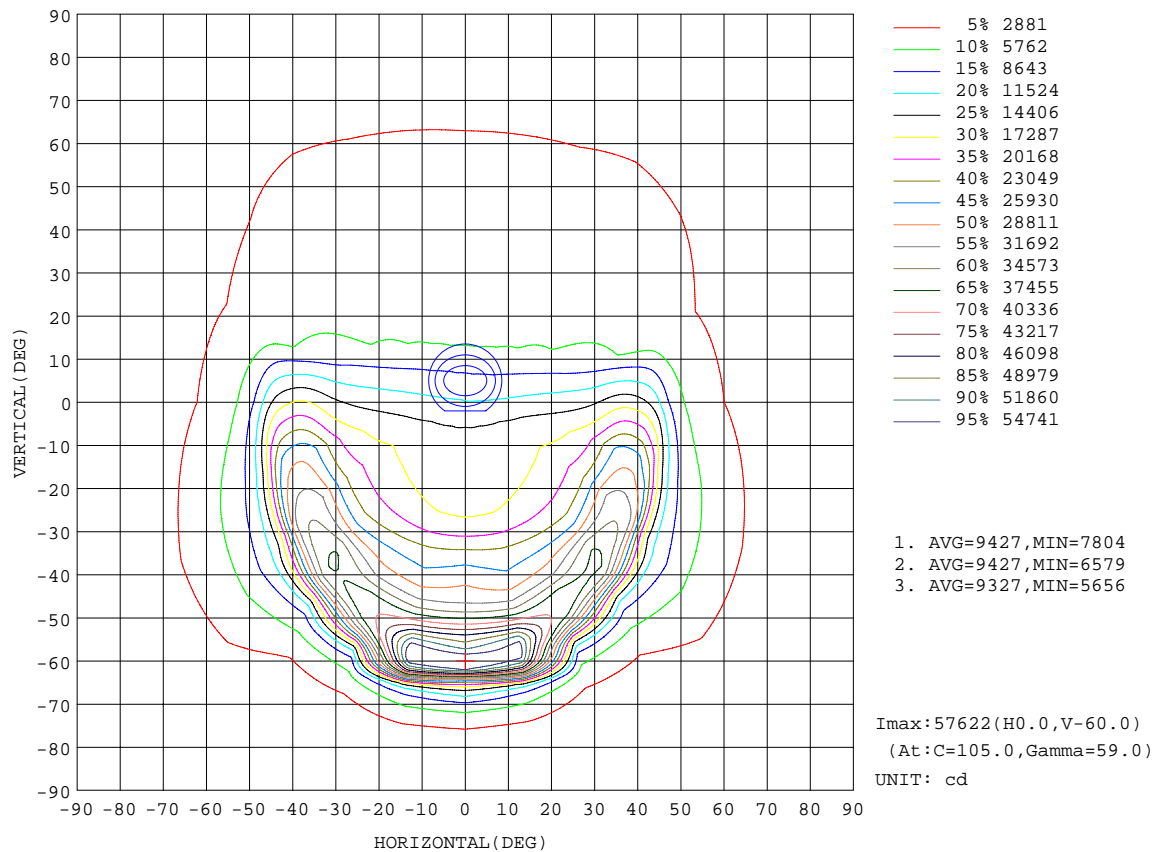
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1200	1511	1494	1550	1230	866.9	703.5	837.1	0- 10	1126	1126	2.1,2.1
20	1276	1681	1558	1737	1317	551.3	496.6	543.2	10- 20	3265	4390	8.21,8.21
30	1396	2016	1921	2081	1464	476.3	474.5	484.8	20- 30	5588	9978	18.7,18.7
40	1530	3091	2732	3104	1706	456.8	512.8	469.4	30- 40	9436	19414	36.3,36.3
50	615.5	3339	3708	3561	762.5	500.3	422.6	509.1	40- 50	13273	32687	61.1,61.1
60	285.1	666.4	5744	736.6	325.0	399.8	330.5	365.1	50- 60	12434	45121	84.4,84.4
70	144.3	188.3	800.0	202.1	167.9	203.6	199.5	188.8	60- 70	6444	51565	96.4,96.4
80	38.59	51.80	137.4	61.01	53.92	61.23	62.61	52.57	70- 80	1663	53228	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	258.4	53487	100,100
100	0	0	0	0	0	0	0	0	90-100	0	53487	100,100
110	0	0	0	0	0	0	0	0	100-110	0	53487	100,100
120	0	0	0	0	0	0	0	0	110-120	0	53487	100,100
130	0	0	0	0	0	0	0	0	120-130	0	53487	100,100
140	0	0	0	0	0	0	0	0	130-140	0	53487	100,100
150	0	0	0	0	0	0	0	0	140-150	0	53487	100,100
160	0	0	0	0	0	0	0	0	150-160	0	53487	100,100
170	0	0	0	0	0	0	0	0	160-170	0	53487	100,100
180	0	0	0	0	0	0	0	0	170-180	0	53487	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

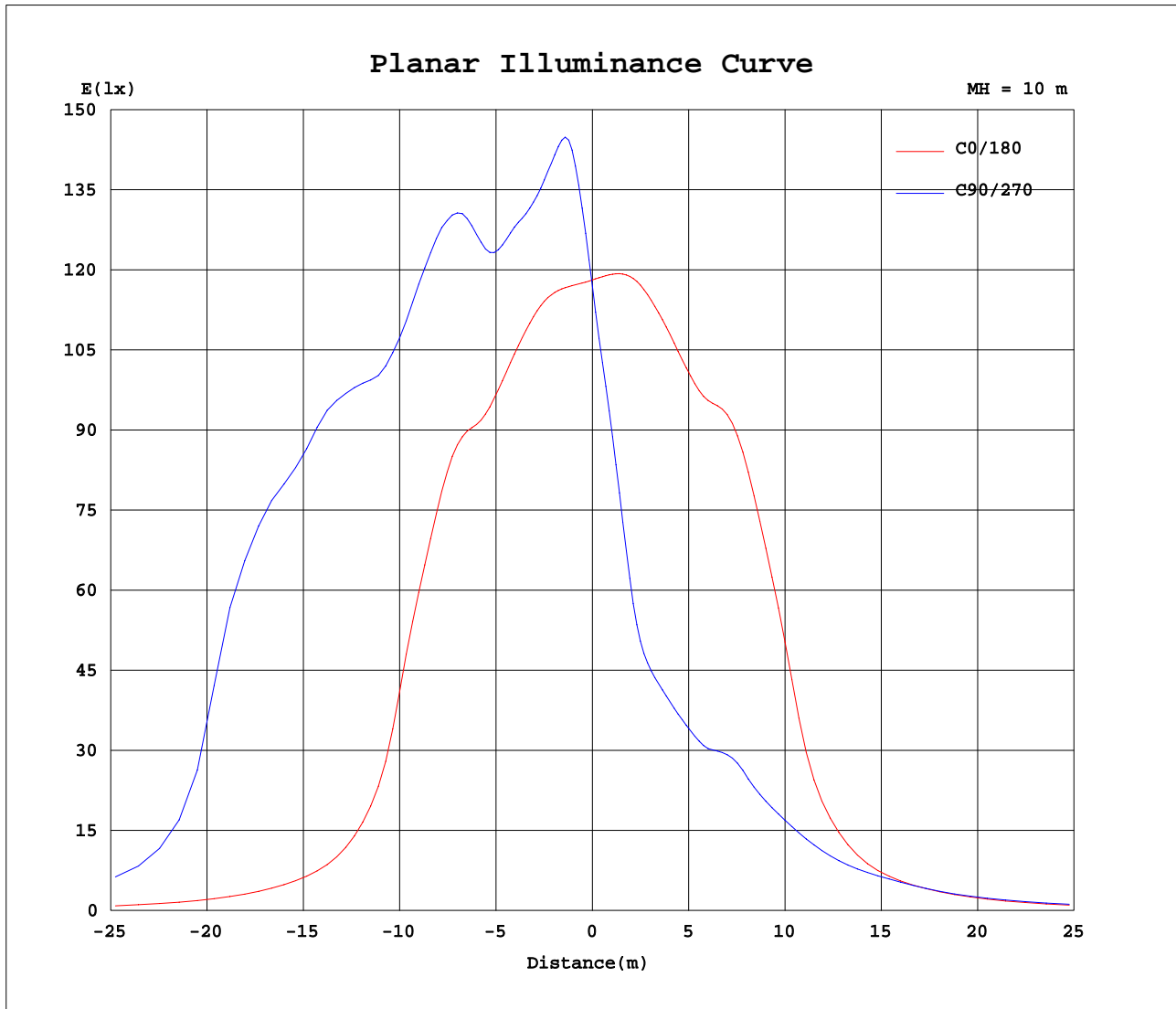
Test:U:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-00-5080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



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

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



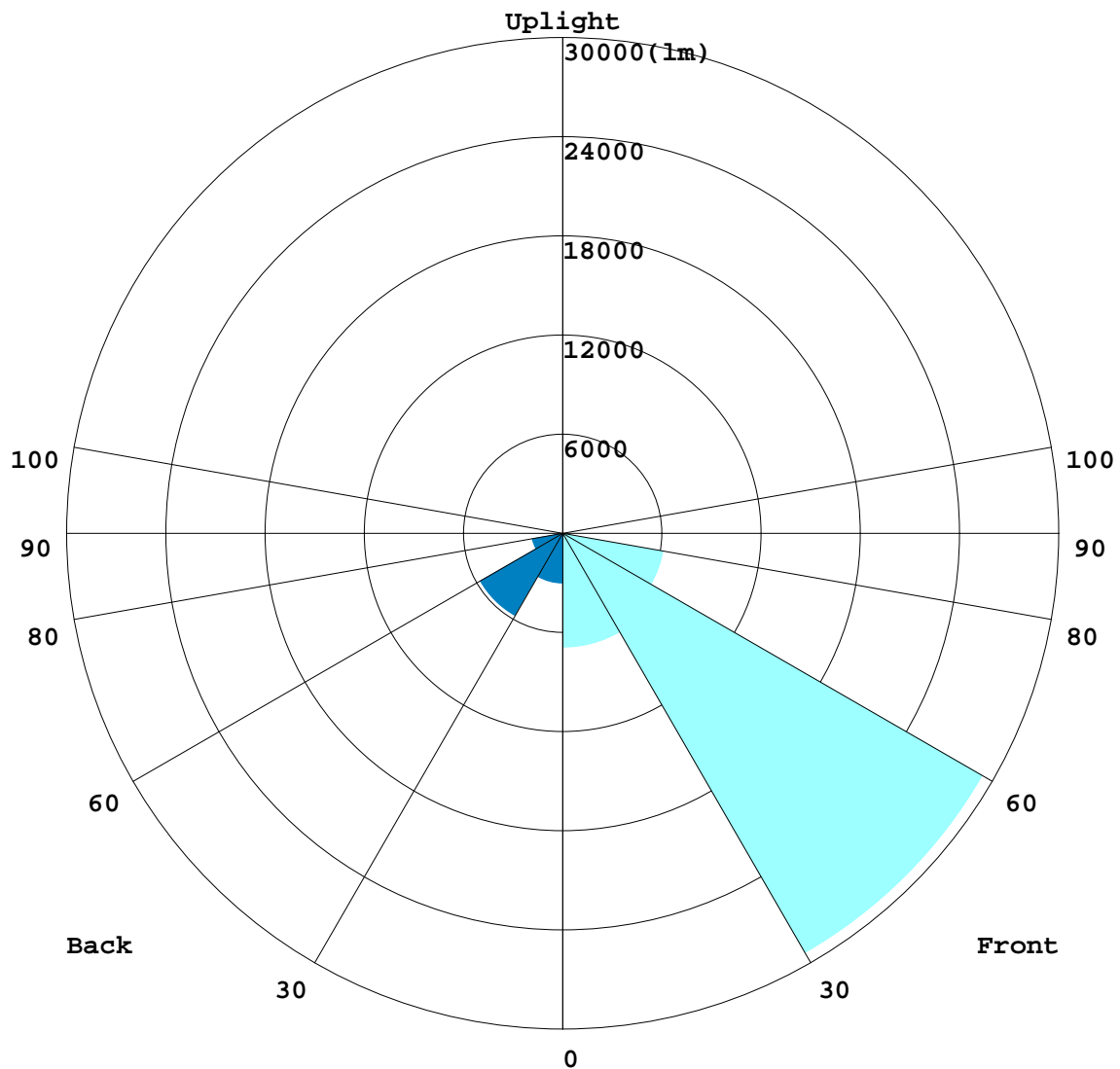
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-11-23

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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-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:2024-11-23

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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-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)	6928	13.0
FM - Front-Medium(30-60)	29352	54.9
FH - Front-High(60-80)	6211.6	11.6
FVH - Front-Very High(80-90)	147.67	0.3
Total Forward Light	42640	79.7

BL - Back-Low(0-30)	3049.9	5.7
BM - Back-Medium(30-60)	5790.4	10.8
BH - Back-High(60-80)	1896	3.5
BVH - Back-Very High(80-90)	110.76	0.2
Total Back Light	10847	20.3

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	10847	0	10847
Street Side	42640	0	42640

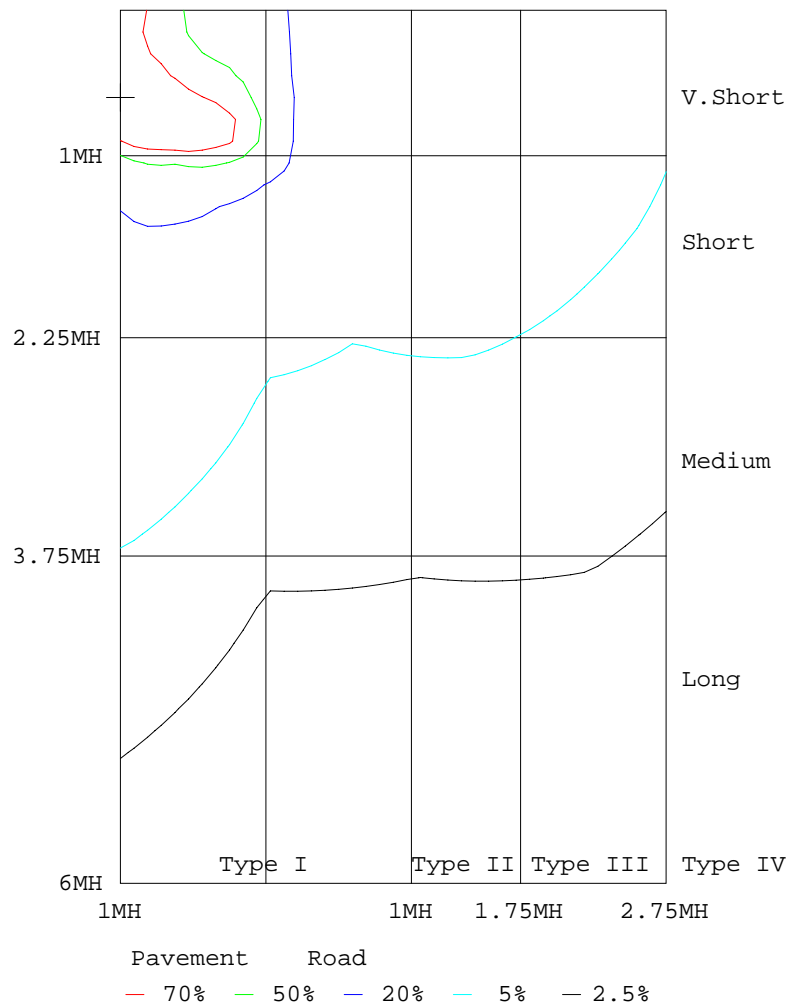
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-11-23

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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-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:2024-11-23

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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-00-5080-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	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166	1166
5	1170	1235	1298	1343	1378	1399	1406	1407	1394	1365	1321	1257	1189	1124	1066	1017	979	953	944
10	1200	1339	1457	1511	1512	1503	1494	1518	1542	1550	1496	1376	1230	1094	975	867	782	722	704
15	1241	1465	1605	1598	1546	1510	1497	1534	1588	1648	1652	1509	1274	1057	860	689	584	544	533
20	1276	1580	1708	1681	1616	1568	1558	1596	1663	1737	1763	1635	1317	1004	716	551	510	502	497
25	1316	1709	1862	1819	1749	1689	1670	1715	1791	1882	1919	1780	1368	936	578	498	494	488	479
30	1396	1964	2112	2016	1952	1923	1921	1948	2007	2081	2172	2035	1464	858	508	476	490	483	475
35	1567	2470	2641	2345	2322	2324	2370	2363	2393	2419	2656	2536	1668	752	454	471	490	525	529
40	1530	2696	3274	3091	2748	2587	2732	2644	2799	3104	3315	2874	1706	602	417	457	528	539	513
45	1145	2208	3246	3792	3293	2934	3025	3017	3269	3831	3415	2557	1404	502	390	466	525	488	477
50	615	1024	1672	3339	3963	3701	3708	3751	3983	3561	2127	1274	762	418	382	500	461	431	423
55	388	667	956	1339	3295	5164	4782	5072	3603	1705	1127	786	460	330	362	479	410	381	377
60	285	498	691	666	1184	5520	5744	5786	1547	737	771	585	325	265	302	400	346	341	331
65	208	374	470	355	526	2317	2246	2592	616	392	506	439	236	208	247	301	277	272	261
70	144	258	300	188	247	616	800	677	309	202	325	314	168	161	188	204	207	209	200
75	85.6	153	171	109	122	264	331	295	143	120	190	201	107	108	126	125	135	137	131
80	38.6	68.3	69.2	51.8	57.9	102	137	113	67.7	61.0	85.4	96.4	53.9	54.7	63.7	61.2	67.3	66.3	62.6
85	8.97	13.6	13.2	12.8	15.0	28.4	36.1	34.0	19.5	17.7	21.4	27.1	15.7	15.4	17.5	16.2	18.2	18.0	17.5
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:219.2V I:1.872A P:405.3W PF:0.9877 Freq:60.01Hz Lamp Flux:53486.8x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N2)-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	1166	1166	1166	1166	1166														
5	947	969	1002	1048	1104														
10	712	761	837	944	1062														
15	542	569	653	818	1017														
20	504	511	543	668	950														
25	491	500	499	554	864														
30	487	497	485	496	762														
35	533	503	481	446	633														
40	532	539	469	418	514														
45	481	508	491	394	445														
50	421	446	509	392	373														
55	373	390	456	376	307														
60	329	325	365	320	249														
65	262	259	278	247	195														
70	200	191	189	181	148														
75	130	123	114	114	94.4														
80	62.4	59.2	52.6	52.4	42.7														
85	15.6	14.6	13.0	11.2	9.88														
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
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: