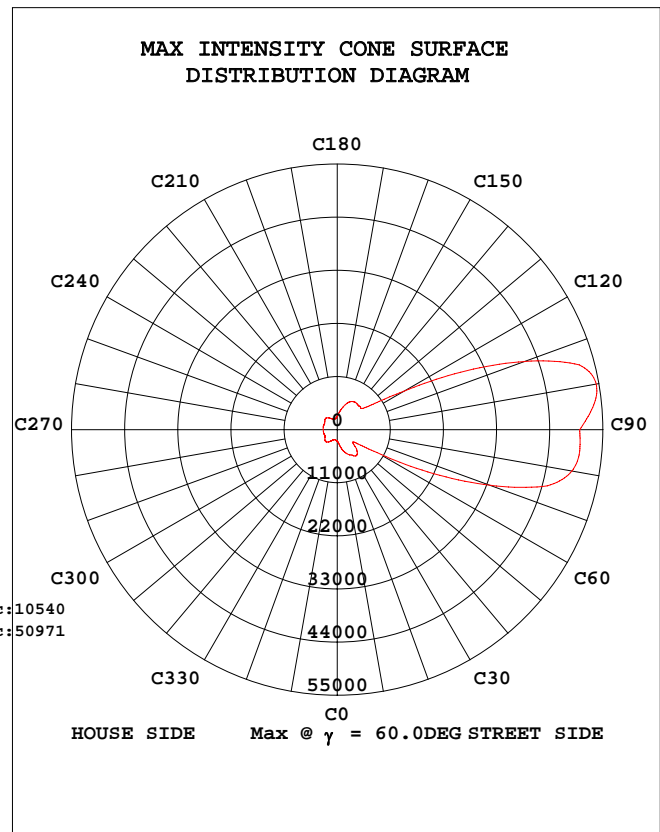
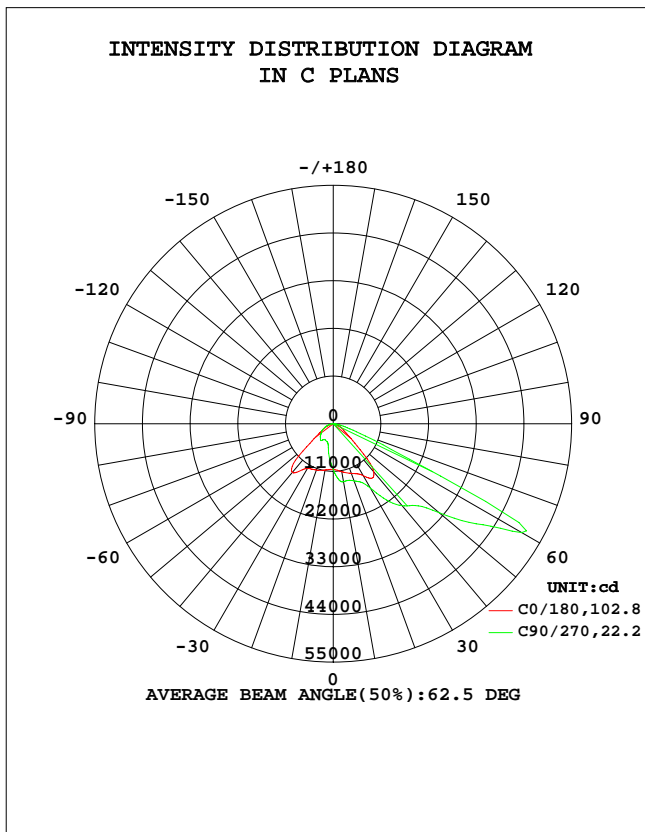


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.71 lm/W			
MODEL	3737	Imax(cd)	51883	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	79.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	47145	η house_up(%)	0.0
NOMINAL FLUX(lm)	47144.7	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	19.852

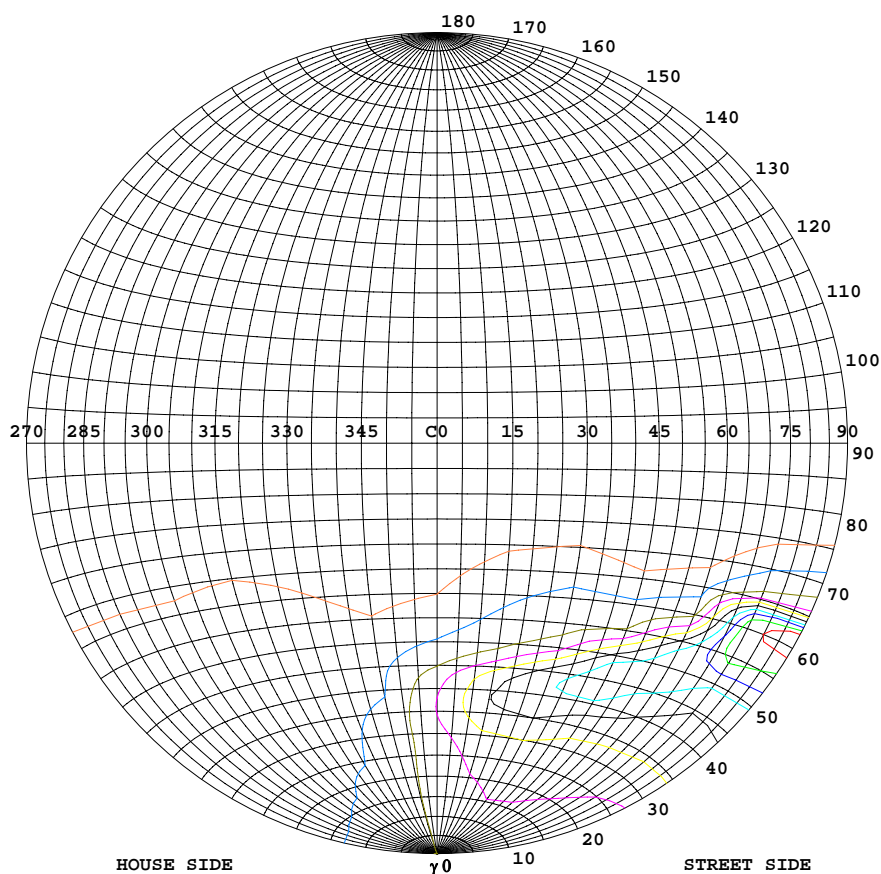


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-23

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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



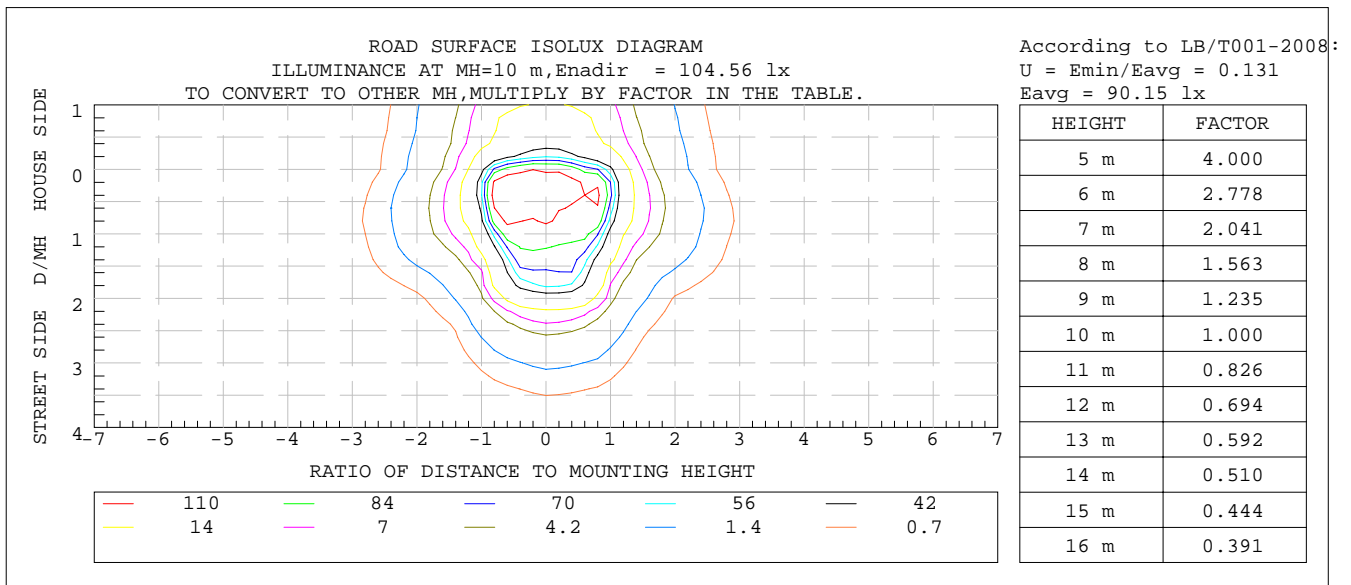
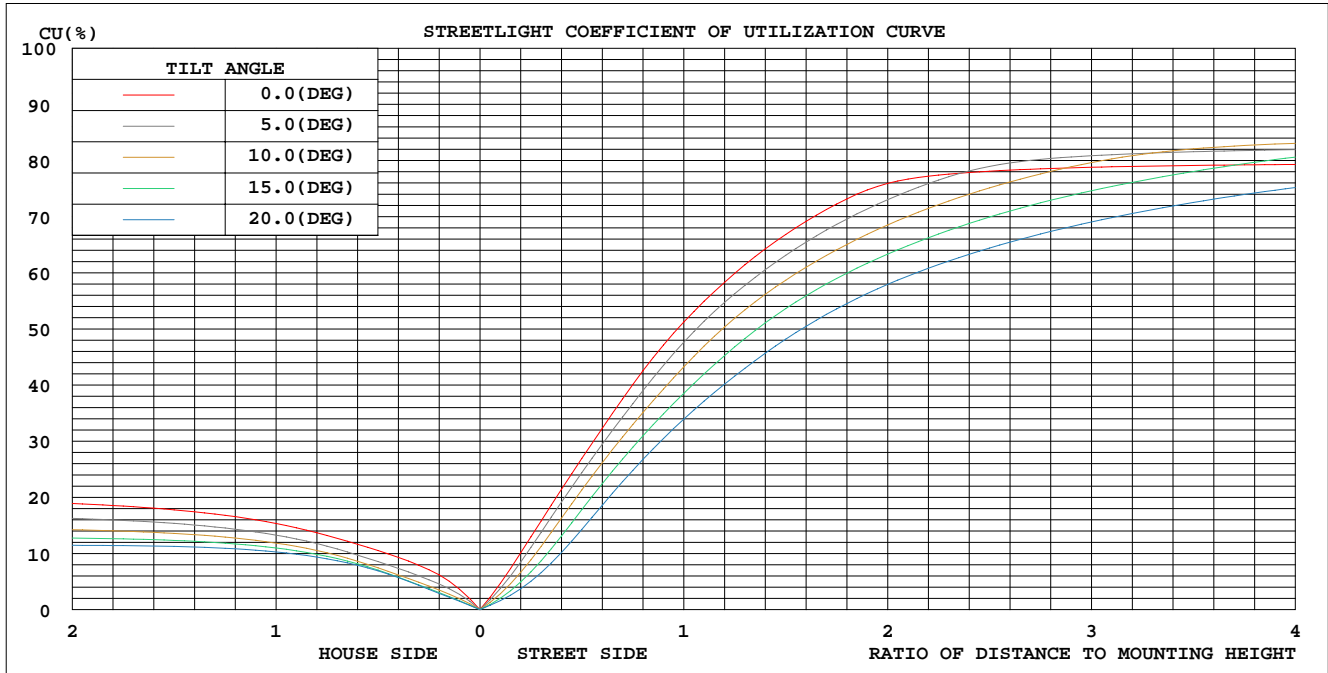
Classification:

IES:Type III - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:25.84cd/klm
Max.At90:0cd/klm
Max.80-90:25.84cd/klm
NRB 5101:Limited[3.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	51883
90%	46695
80%	41506
70%	36318
60%	31130
50%	25942
40%	20753
30%	15565
20%	10377
10%	5188
5%	2594

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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

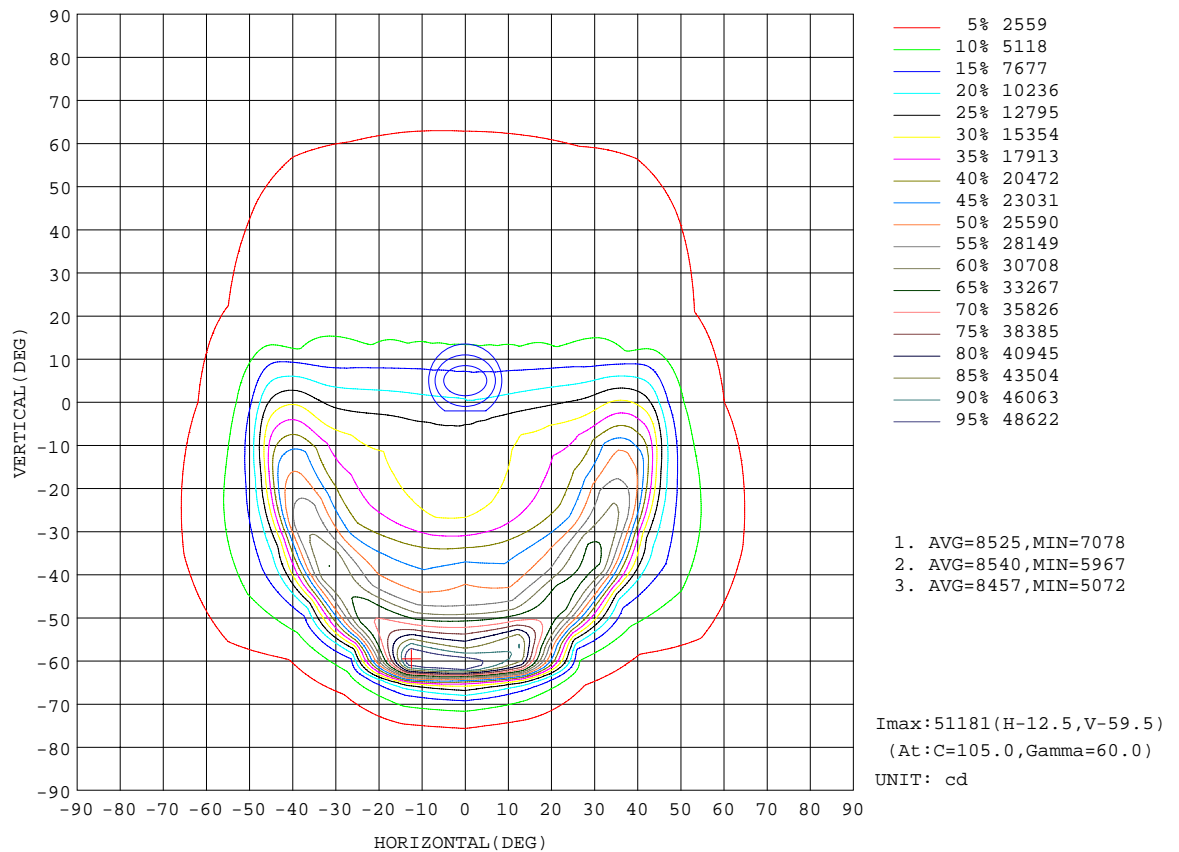
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1123	1409	1357	1374	1085	776.0	640.1	776.0	0- 10	1021	1021	2.16,2.16
20	1220	1616	1403	1499	1139	489.2	438.1	486.1	10- 20	2966	3987	8.46,8.46
30	1381	1936	1714	1747	1192	422.6	419.4	423.6	20- 30	5038	9025	19.1,19.1
40	1455	2985	2464	2393	1467	403.1	460.0	413.1	30- 40	8396	17421	37,37
50	539.8	2696	3198	3261	708.3	426.5	373.1	460.6	40- 50	11670	29091	61.7,61.7
60	251.6	567.8	5020	679.0	284.2	336.9	291.0	344.7	50- 60	10757	39848	84.5,84.5
70	127.8	166.3	671.2	189.6	145.2	176.9	177.4	172.6	60- 70	5618	45466	96.4,96.4
80	34.65	44.50	121.8	53.99	45.56	53.51	55.82	46.71	70- 80	1453	46919	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	226.0	47145	100,100
100	0	0	0	0	0	0	0	0	90-100	0	47145	100,100
110	0	0	0	0	0	0	0	0	100-110	0	47145	100,100
120	0	0	0	0	0	0	0	0	110-120	0	47145	100,100
130	0	0	0	0	0	0	0	0	120-130	0	47145	100,100
140	0	0	0	0	0	0	0	0	130-140	0	47145	100,100
150	0	0	0	0	0	0	0	0	140-150	0	47145	100,100
160	0	0	0	0	0	0	0	0	150-160	0	47145	100,100
170	0	0	0	0	0	0	0	0	160-170	0	47145	100,100
180	0	0	0	0	0	0	0	0	170-180	0	47145	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

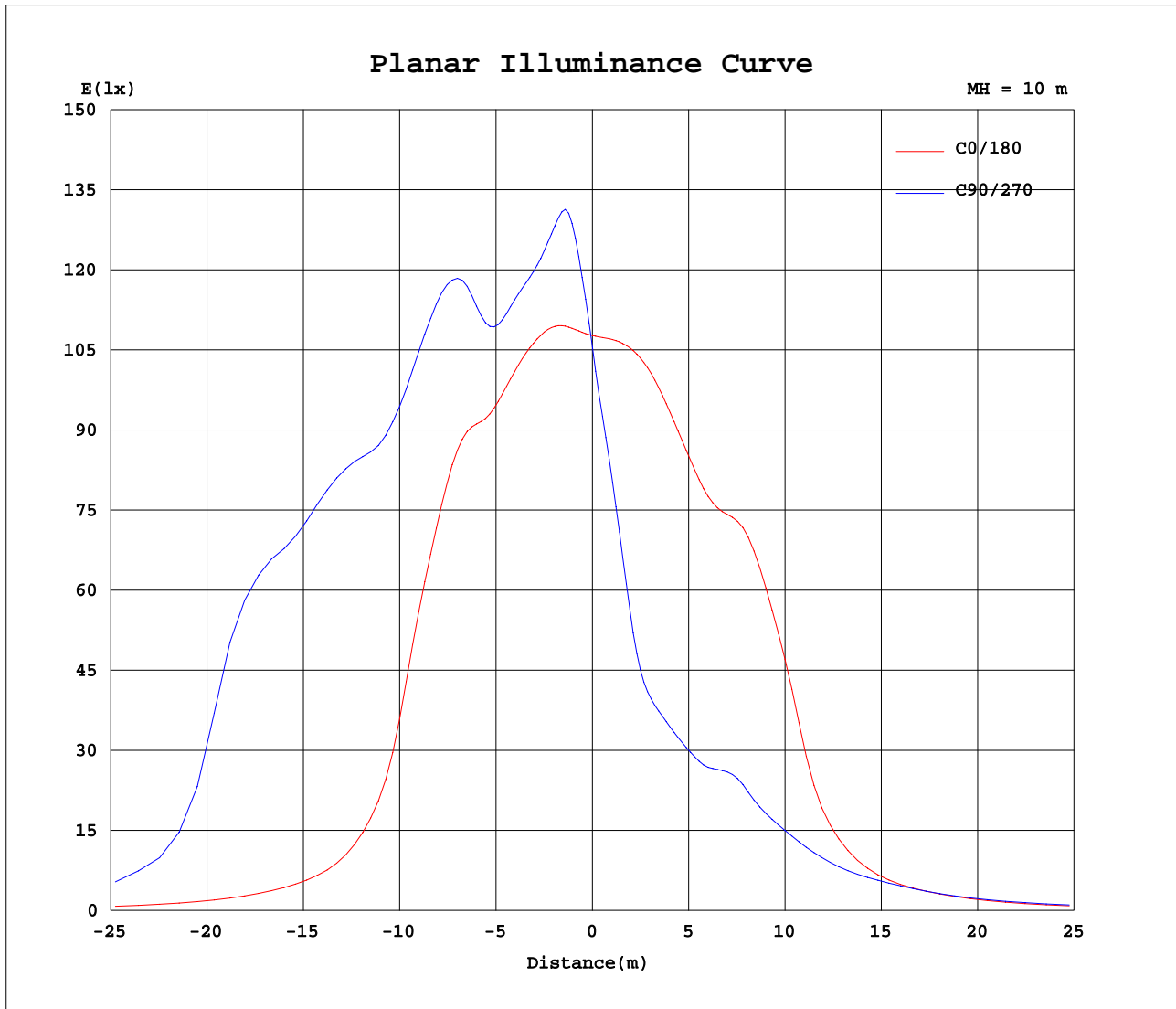
Test:U:219.2V I:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-00-3080-T302-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



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

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



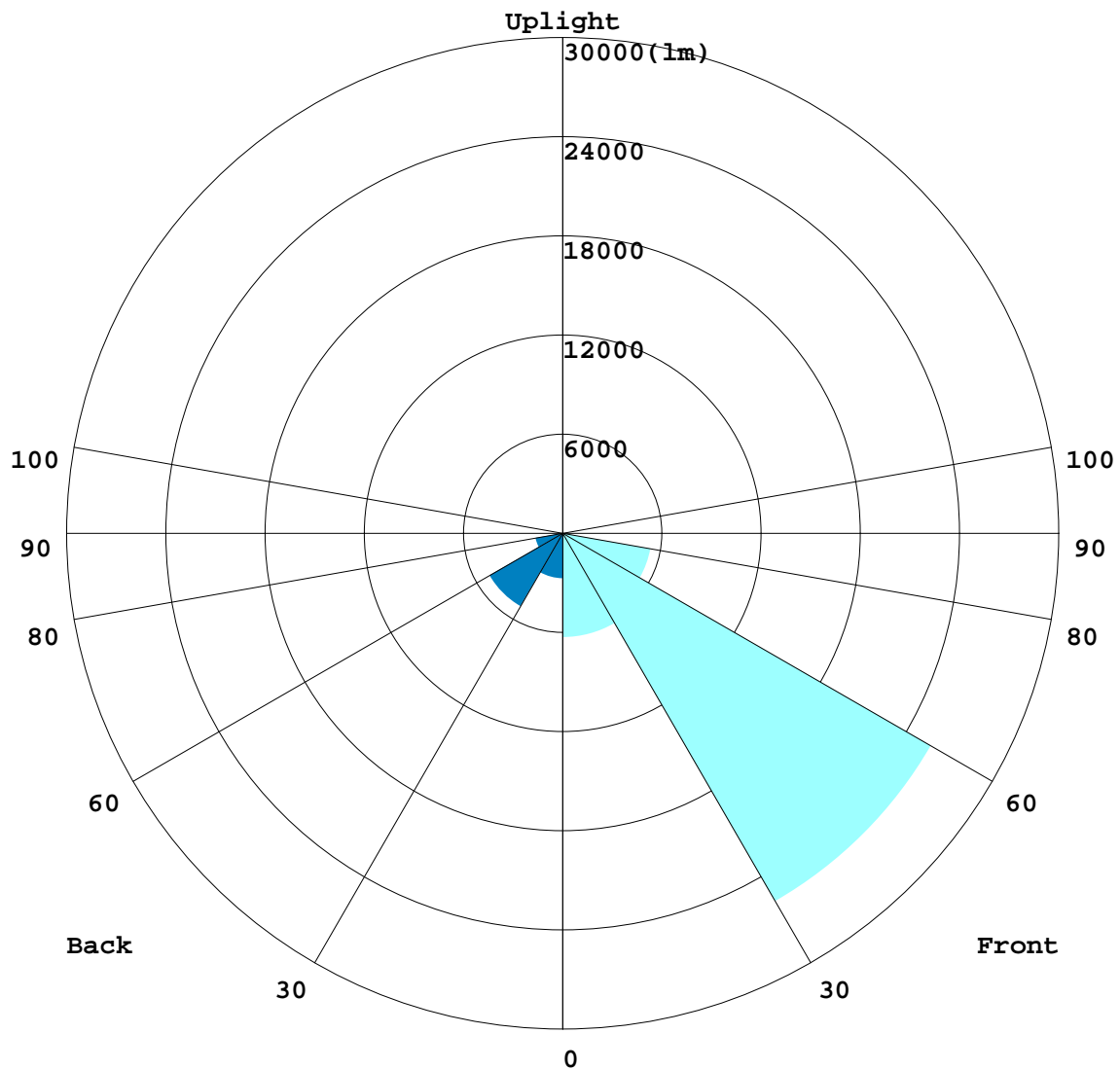
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-11-23

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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-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:2024-11-23

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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-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)	6296	13.4
FM - Front-Medium(30-60)	25713	54.5
FH - Front-High(60-80)	5401.8	11.5
FVH - Front-Very High(80-90)	129.04	0.3
Total Forward Light	37540	79.6

BL - Back-Low(0-30)	2729.1	5.8
BM - Back-Medium(30-60)	5109.6	10.8
BH - Back-High(60-80)	1669	3.5
BVH - Back-Very High(80-90)	96.919	0.2
Total Back Light	9604.7	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	9604.7	0	9604.7
Street Side	37540	0	37540

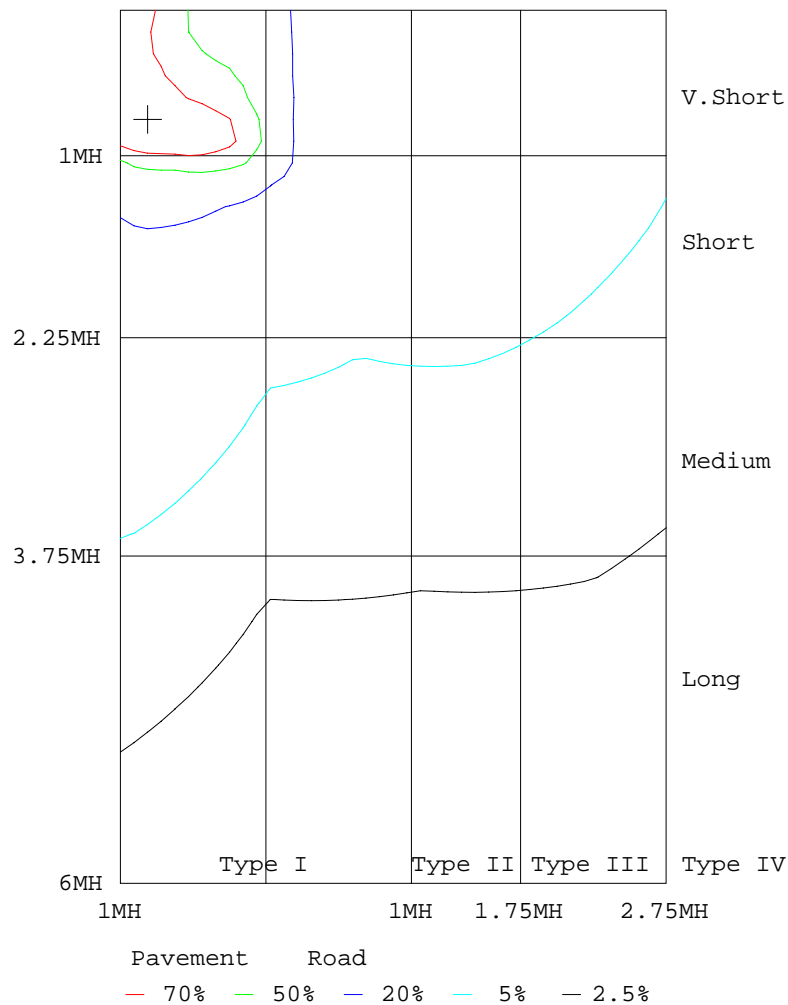
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-11-23

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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-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:2024-11-23

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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-00-3080-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	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055	1055
5	1078	1139	1192	1248	1259	1272	1272	1267	1249	1219	1176	1122	1061	1003	952	911	880	860	854
10	1123	1252	1359	1409	1405	1382	1357	1364	1374	1374	1318	1212	1085	967	866	776	705	655	640
15	1171	1381	1518	1517	1457	1398	1354	1359	1390	1444	1451	1319	1116	930	764	617	523	485	474
20	1220	1508	1649	1616	1538	1458	1403	1402	1433	1499	1527	1418	1139	877	635	489	451	443	438
25	1273	1664	1812	1755	1665	1563	1485	1482	1533	1598	1622	1509	1158	806	508	442	438	432	422
30	1381	1950	2051	1936	1856	1785	1714	1682	1704	1747	1779	1655	1192	723	446	423	434	426	419
35	1537	2415	2560	2257	2202	2152	2152	2084	2022	1961	2049	1986	1322	623	400	418	431	463	472
40	1455	2497	3011	2985	2580	2361	2464	2333	2355	2393	2675	2459	1467	503	368	403	462	479	460
45	994	1848	2761	3417	3099	2640	2668	2582	2660	3218	3043	2388	1303	419	339	407	460	430	424
50	540	888	1387	2696	3474	3247	3198	3133	3363	3261	2055	1213	708	357	328	426	398	377	373
55	341	582	844	1088	2638	4411	4027	4182	3373	1705	969	675	412	287	317	405	353	331	329
60	252	442	606	568	954	4503	5020	5188	1593	679	671	494	284	230	269	337	299	298	291
65	184	331	415	307	412	1667	1944	2373	568	368	442	366	205	181	216	258	240	238	231
70	128	231	264	166	202	497	671	614	280	190	286	261	145	141	162	177	180	183	177
75	76.4	139	151	95.2	106	210	284	264	129	108	170	165	91.4	94.4	108	110	118	121	116
80	34.6	61.5	61.7	44.5	48.6	84.9	122	101	61.1	54.0	76.3	79.8	45.6	47.1	54.5	53.5	58.1	58.5	55.8
85	8.52	12.2	12.0	10.9	12.6	24.6	32.3	30.6	17.8	15.6	19.1	22.7	13.2	12.9	14.7	14.0	15.6	15.8	15.4
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:1.851A P:400.5W PF:0.9873 Freq:60.01Hz Lamp Flux:47144.7x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-O37(N1)-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	1055	1055	1055	1055	1055													
5	860	882	916	960	1014													
10	652	701	776	877	991													
15	484	517	608	770	961													
20	443	451	486	632	915													
25	432	438	439	508	847													
30	429	435	424	445	763													
35	473	445	421	394	635													
40	483	482	413	365	493													
45	430	467	432	346	415													
50	374	406	461	346	339													
55	328	352	428	326	272													
60	291	292	345	274	219													
65	233	232	258	217	171													
70	178	173	173	160	129													
75	116	112	102	101	83.3													
80	55.6	53.8	46.7	47.1	38.3													
85	14.3	13.3	11.2	10.4	9.04													
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: