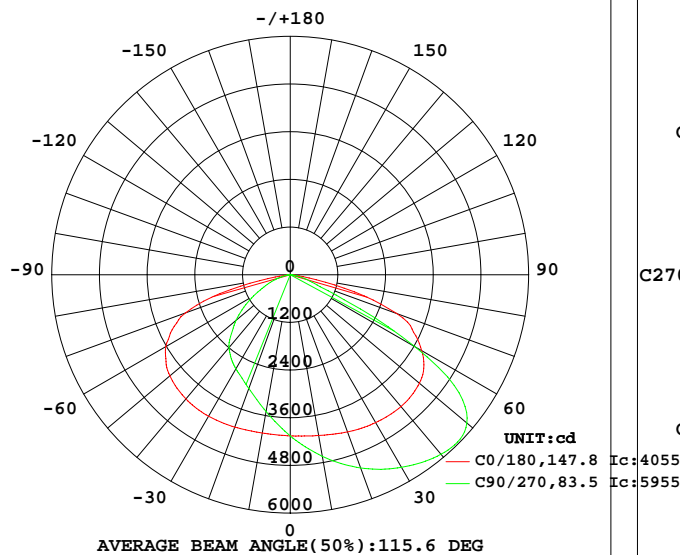
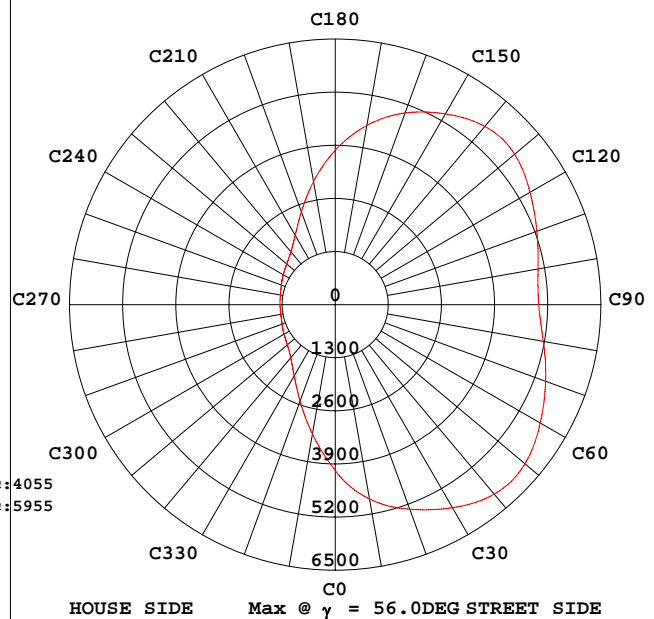


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 138.17 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6103	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	68.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16426	η house_up(%)	0.0
NOMINAL FLUX(lm)	16426.4	MAXIMUM @(C,γ )	45,56.0	η house_down(%)	31.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.318

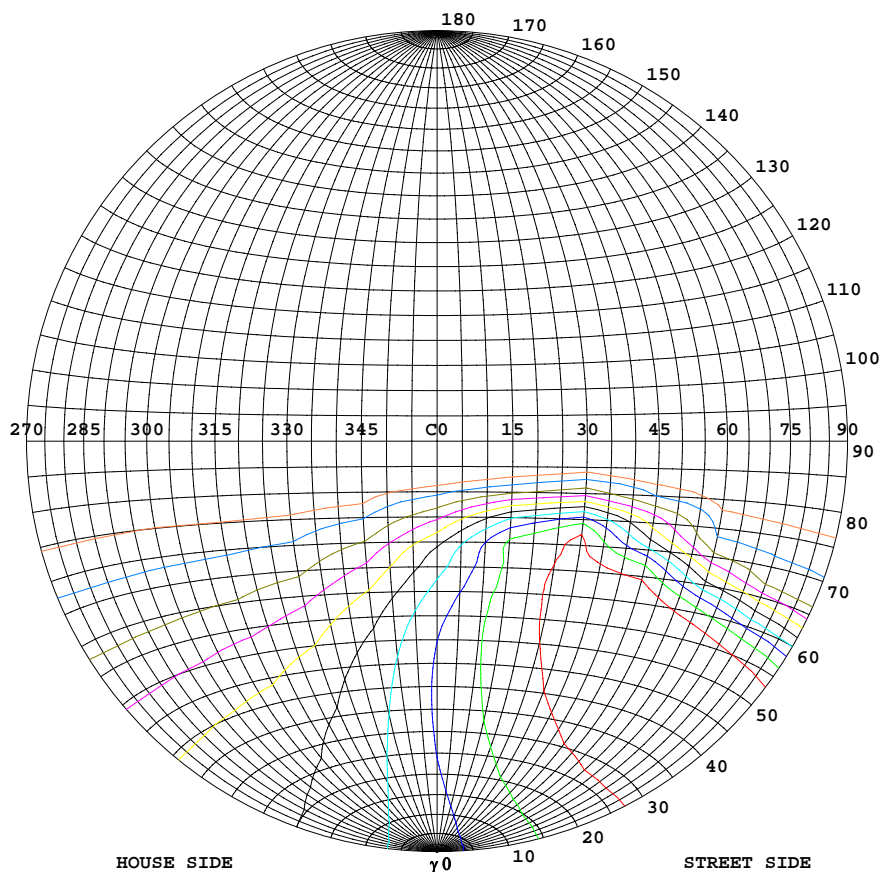
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

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:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



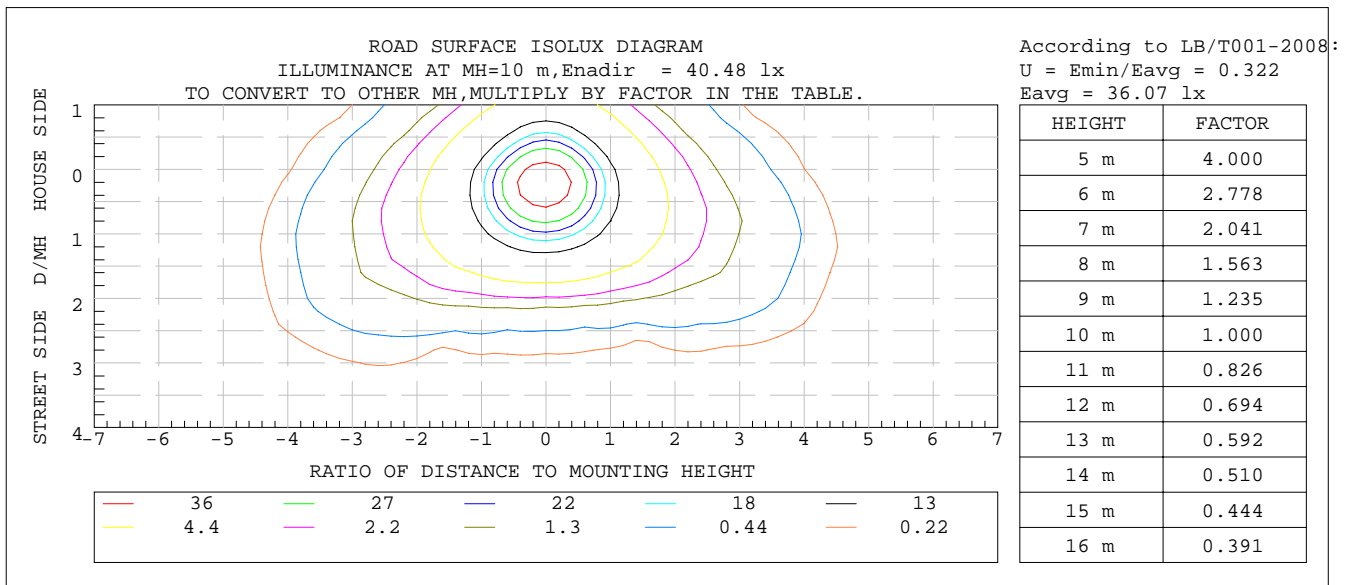
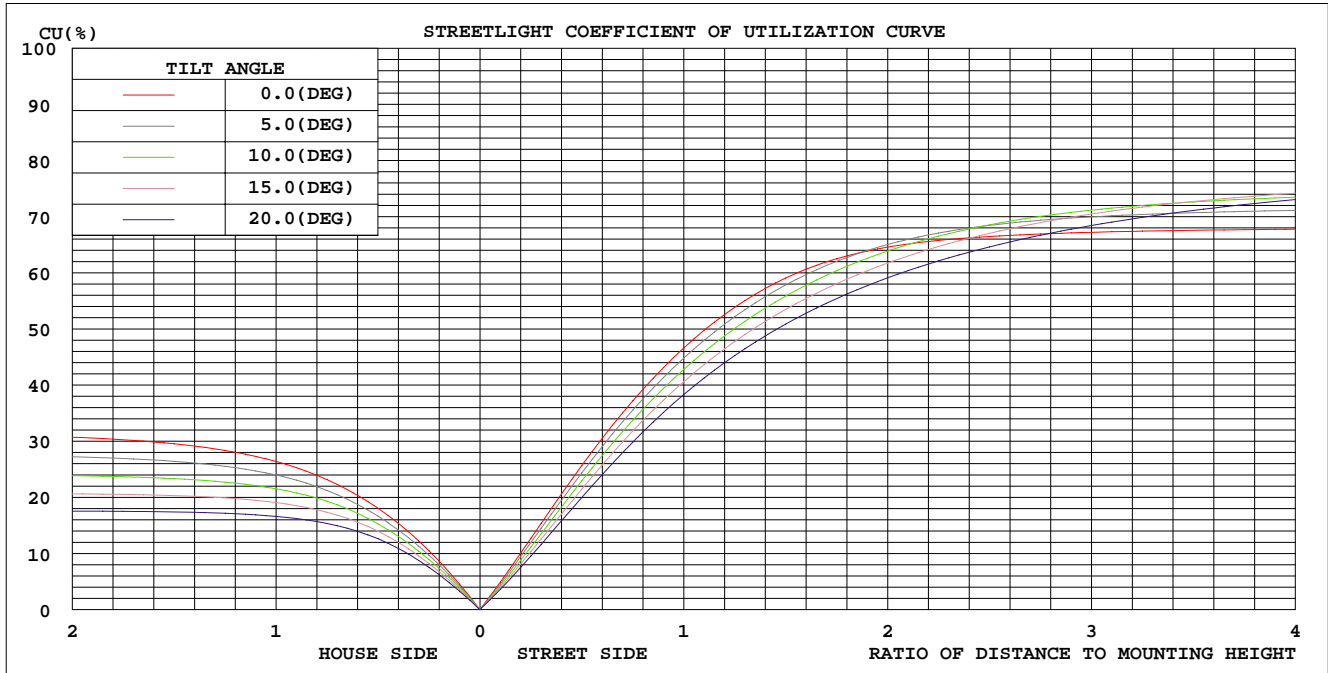
## Classification:

IES:Type III - Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:98.11cd/klm  
Max.At90:0cd/klm  
Max.80-90:98.11cd/klm  
NRB 5101:Semi limited[21.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6103
90%	5492
80%	4882
70%	4272
60%	3662
50%	3051
40%	2441
30%	1831
20%	1221
10%	610
5%	305

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

$\gamma$  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: 2024-12-26

$\gamma$  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:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

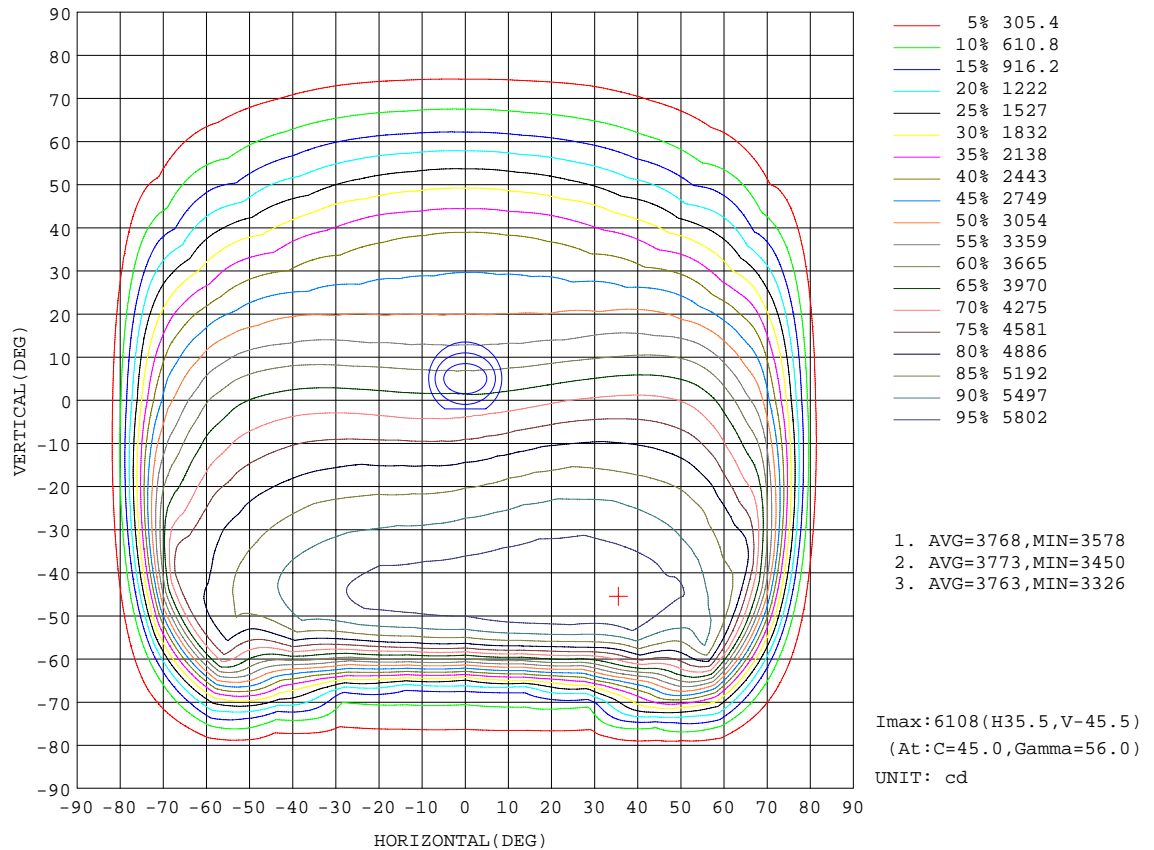
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	4108	4515	4638	4457	4046	3647	3499	3675	0- 10	387.7	387.7	2.36,2.36
20	4210	5041	5173	4868	4080	3280	3048	3308	10- 20	1162	1550	9.44,9.44
30	4297	5462	5595	5225	4112	2940	2736	2979	20- 30	1921	3471	21.1,21.1
40	4333	5777	5898	5518	4082	2573	2398	2609	30- 40	2617	6087	37.1,37.1
50	4244	6025	5803	5741	3957	2087	1779	2098	40- 50	3150	9238	56.2,56.2
60	3818	5992	3614	5544	3617	1302	1067	1277	50- 60	3286	12524	76.2,76.2
70	2849	3796	647.3	2993	2790	588.9	499.6	549.2	60- 70	2526	15050	91.6,91.6
80	486.2	599.6	158.3	385.4	568.4	133.2	120.8	130.1	70- 80	1251	16301	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	125.4	16426	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16426	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16426	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16426	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16426	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16426	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16426	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16426	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16426	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16426	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

$\gamma$  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:

## ISOCANDELA DIAGRAM

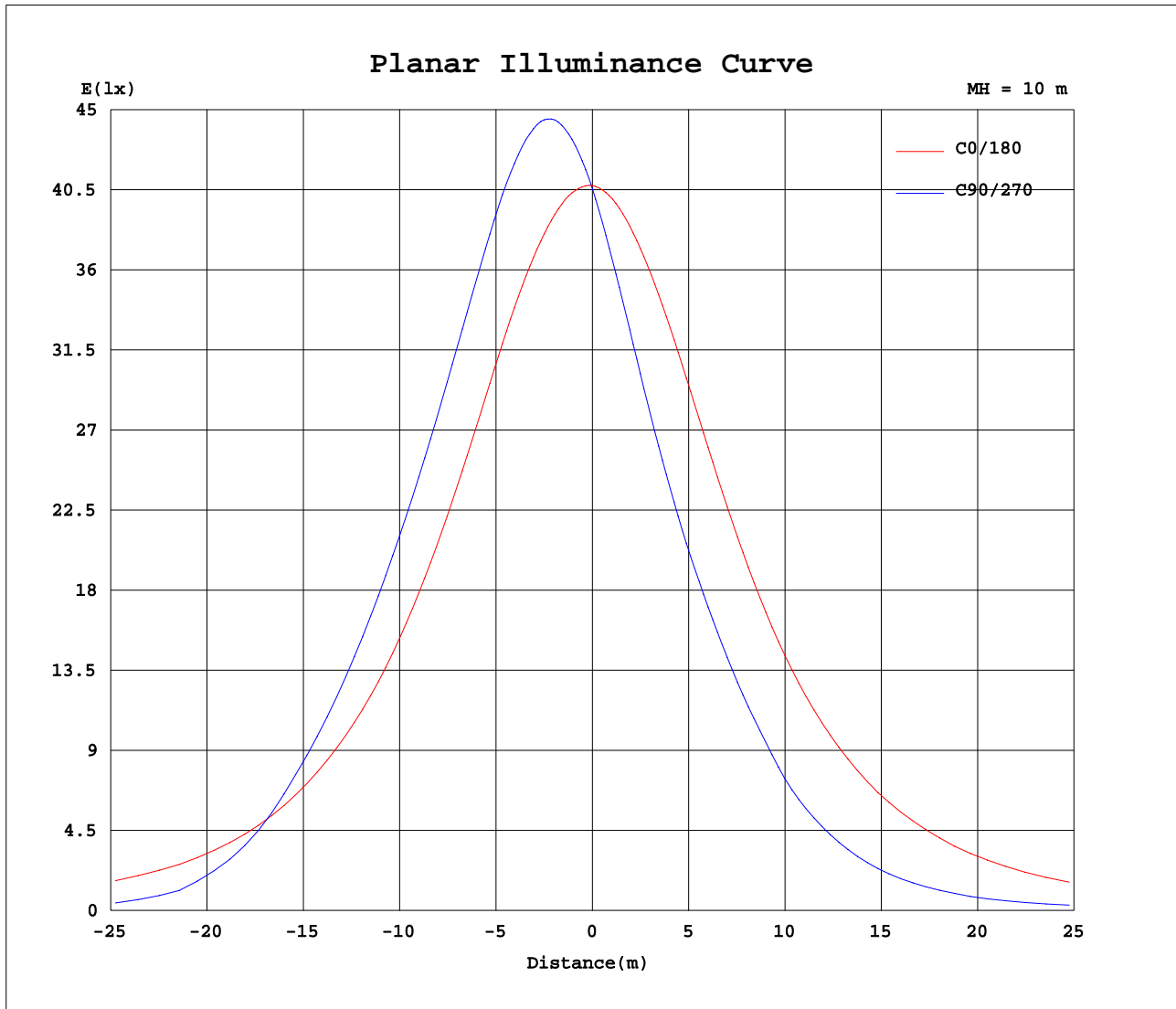
Test:U:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

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



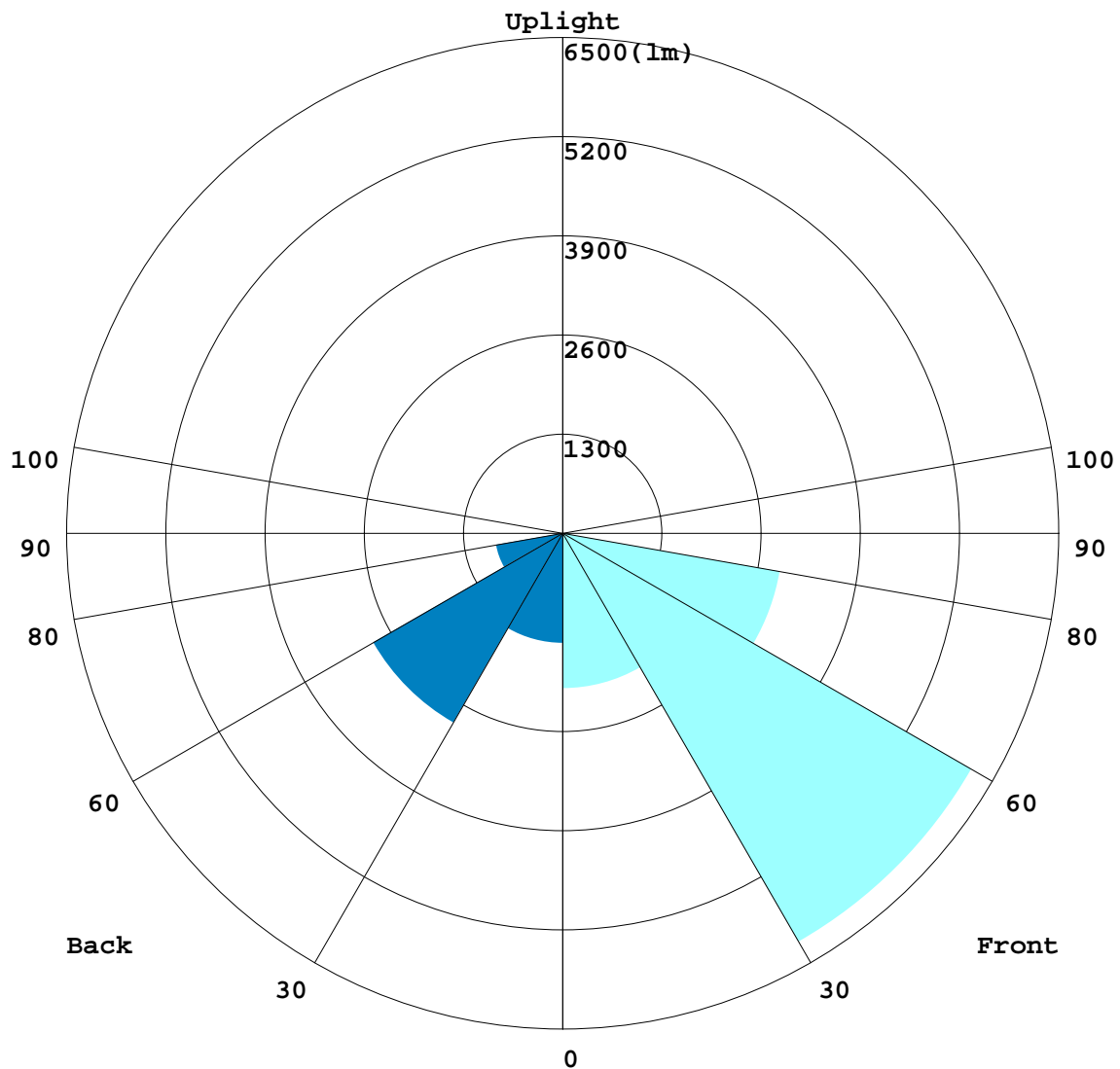
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-26

$\gamma$  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:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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:2024-12-26

$\gamma$  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:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2033	12.4
FM - Front-Medium(30-60)	6186.4	37.7
FH - Front-High(60-80)	2890.7	17.6
FVH - Front-Very High(80-90)	94.168	0.6
Total Forward Light	11204	68.2

BL - Back-Low(0-30)	1437.9	8.8
BM - Back-Medium(30-60)	2866.4	17.4
BH - Back-High(60-80)	886.67	5.4
BVH - Back-Very High(80-90)	31.28	0.2
Total Back Light	5222.2	31.8

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	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5222.2	0	5222.2
Street Side	11204	0	11204

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-26

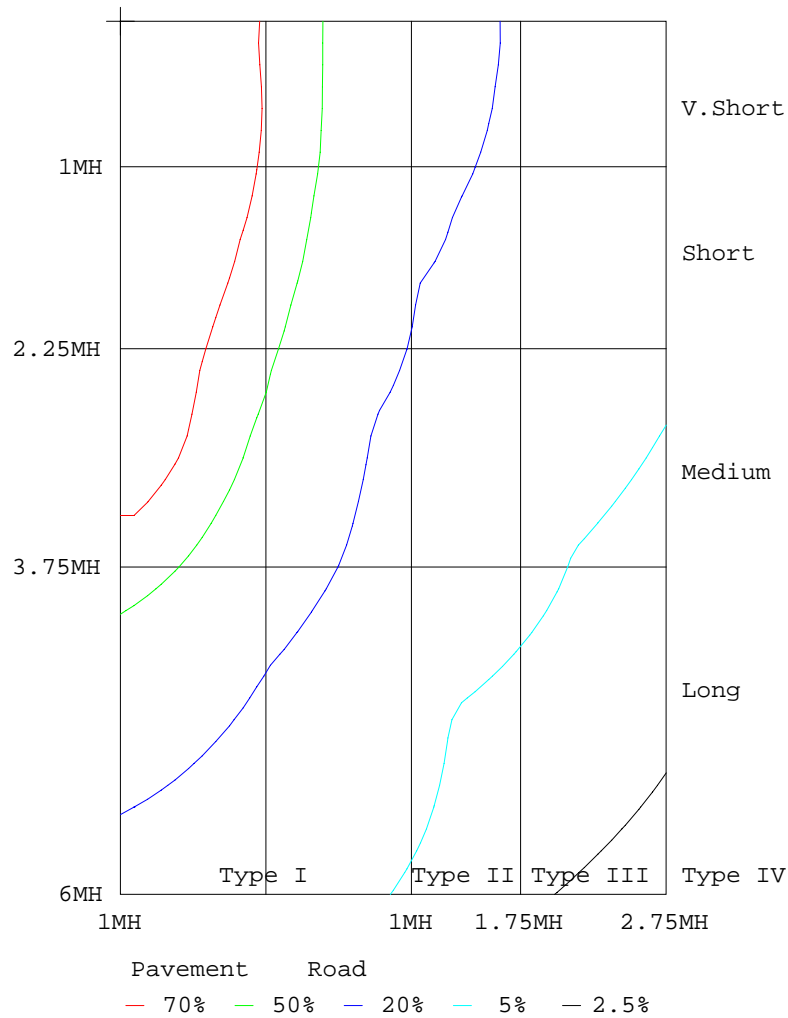
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-26

$\gamma$  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:219.3V I:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055	4055
5	4074	4148	4217	4273	4315	4340	4346	4331	4296	4249	4189	4119	4045	3970	3902	3841	3798	3771	3766
10	4108	4261	4406	4515	4594	4634	4638	4606	4543	4457	4339	4196	4046	3896	3759	3647	3563	3511	3499
15	4155	4398	4617	4782	4884	4924	4919	4871	4787	4668	4497	4285	4058	3831	3627	3460	3341	3272	3255
20	4210	4542	4839	5041	5149	5193	5173	5111	5006	4868	4658	4386	4080	3772	3494	3280	3142	3068	3048
25	4261	4685	5040	5270	5384	5424	5404	5331	5210	5052	4813	4486	4100	3703	3357	3108	2961	2888	2873
30	4297	4807	5210	5462	5583	5621	5595	5531	5406	5225	4957	4572	4112	3628	3212	2940	2796	2741	2736
35	4324	4902	5349	5628	5757	5801	5767	5712	5582	5386	5075	4645	4107	3535	3058	2769	2643	2594	2587
40	4333	4982	5462	5777	5916	5950	5898	5862	5747	5518	5178	4702	4082	3416	2879	2573	2463	2412	2398
45	4310	5047	5564	5907	6036	6030	5955	5934	5859	5644	5259	4732	4032	3258	2661	2361	2241	2126	2092
50	4244	5096	5654	6025	6080	5970	5803	5838	5880	5741	5332	4752	3957	3061	2386	2087	1888	1802	1779
55	4102	5111	5726	6100	5882	5502	5186	5319	5615	5775	5383	4758	3817	2795	2038	1698	1543	1454	1426
60	3818	5076	5782	5992	5112	4155	3614	3956	4719	5544	5404	4749	3617	2422	1637	1302	1182	1094	1067
65	3425	4986	5754	5375	3292	2151	1494	1895	2913	4726	5345	4683	3280	1923	1141	921	840	752	735
70	2849	4957	5619	3796	1403	761	647	704	1048	2993	5035	4787	2790	1280	717	589	544	504	500
75	1676	3595	4533	2248	499	413	367	395	449	1549	3998	3928	1829	639	378	327	313	294	280
80	486	1115	1612	600	213	177	158	168	192	385	1458	1345	568	206	154	133	139	121	121
85	67.9	103	188	90.9	57.8	47.3	40.5	43.6	50.6	76.3	192	114	68.8	47.1	38.1	35.0	37.0	35.6	36.9
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:2024-12-26

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:0.5570A P:118.9W PF:0.9732 Freq:50.00Hz Lamp Flux:16426.4x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-120WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	4055	4055	4055	4055	4055													
5	3778	3811	3859	3922	3995													
10	3522	3580	3675	3800	3946													
15	3281	3357	3489	3676	3900													
20	3077	3158	3308	3548	3855													
25	2901	2982	3134	3410	3803													
30	2756	2818	2979	3267	3737													
35	2603	2665	2806	3121	3659													
40	2420	2481	2609	2950	3549													
45	2124	2249	2383	2731	3404													
50	1798	1881	2098	2453	3206													
55	1439	1526	1683	2092	2918													
60	1076	1148	1277	1652	2500													
65	735	802	882	1111	1955													
70	496	525	549	666	1267													
75	290	309	313	348	581													
80	120	139	130	144	185													
85	36.0	37.7	35.8	38.2	46.8													
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:2024-12-26

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: