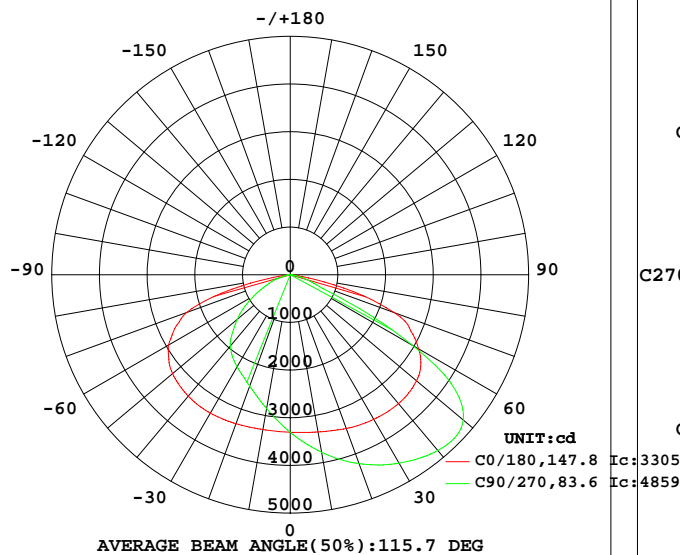
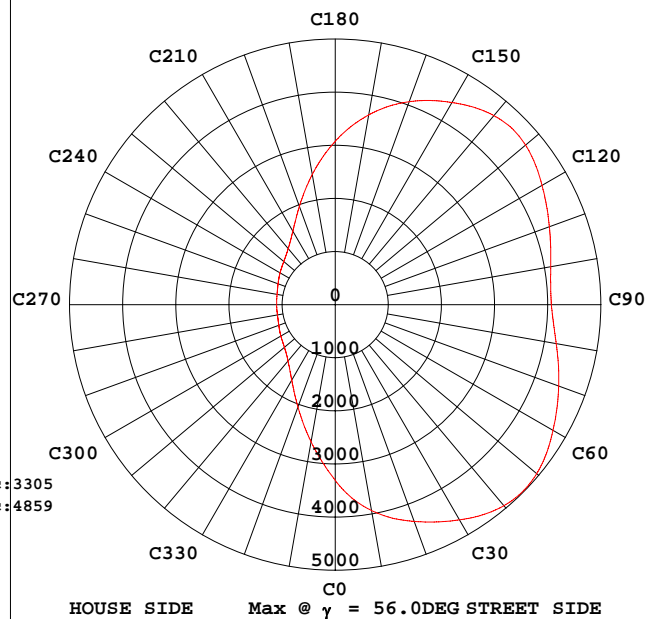


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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: 149.50 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	4983	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	68.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13398	η house_up(%)	0.0
NOMINAL FLUX(lm)	13398	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	20.006

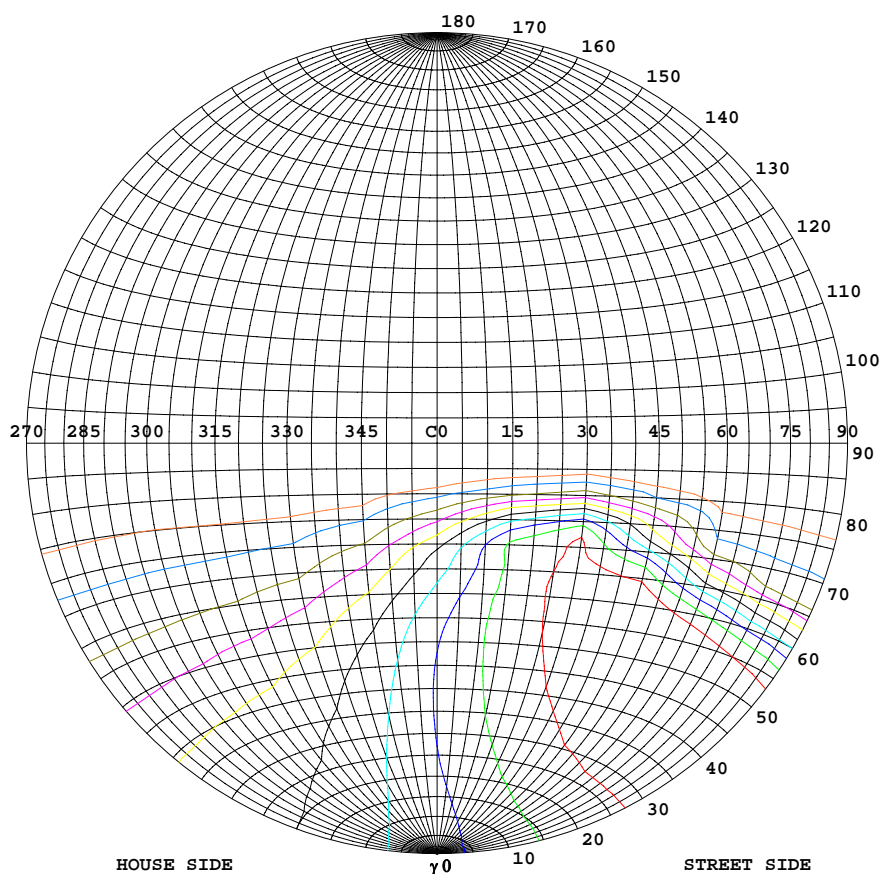
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



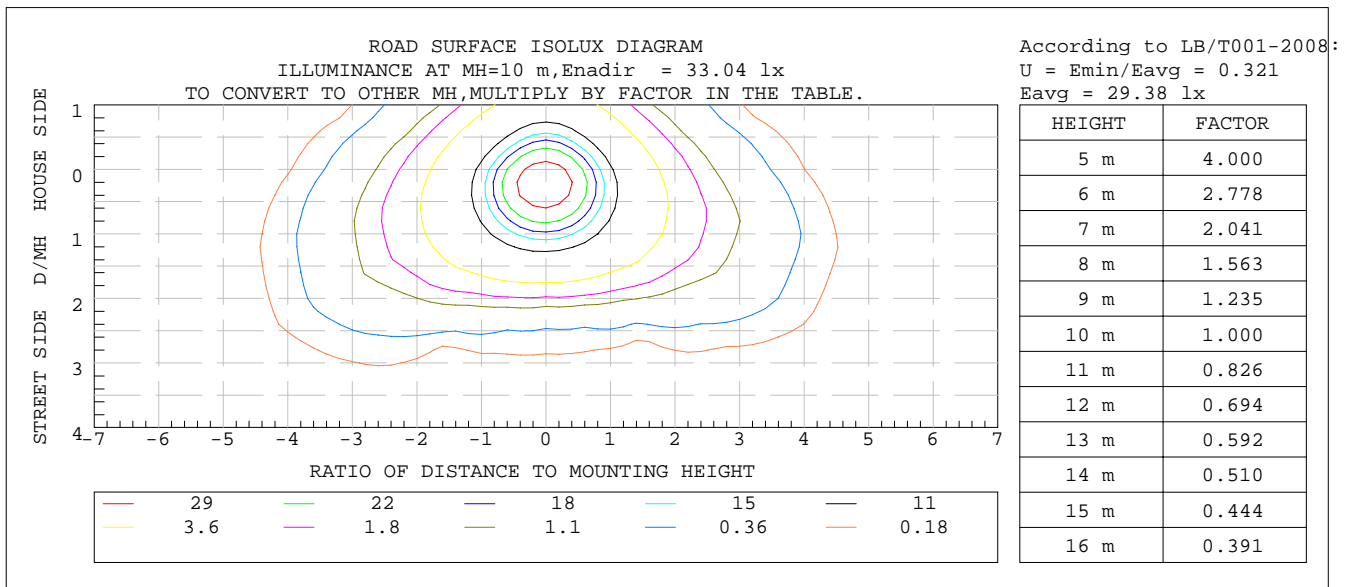
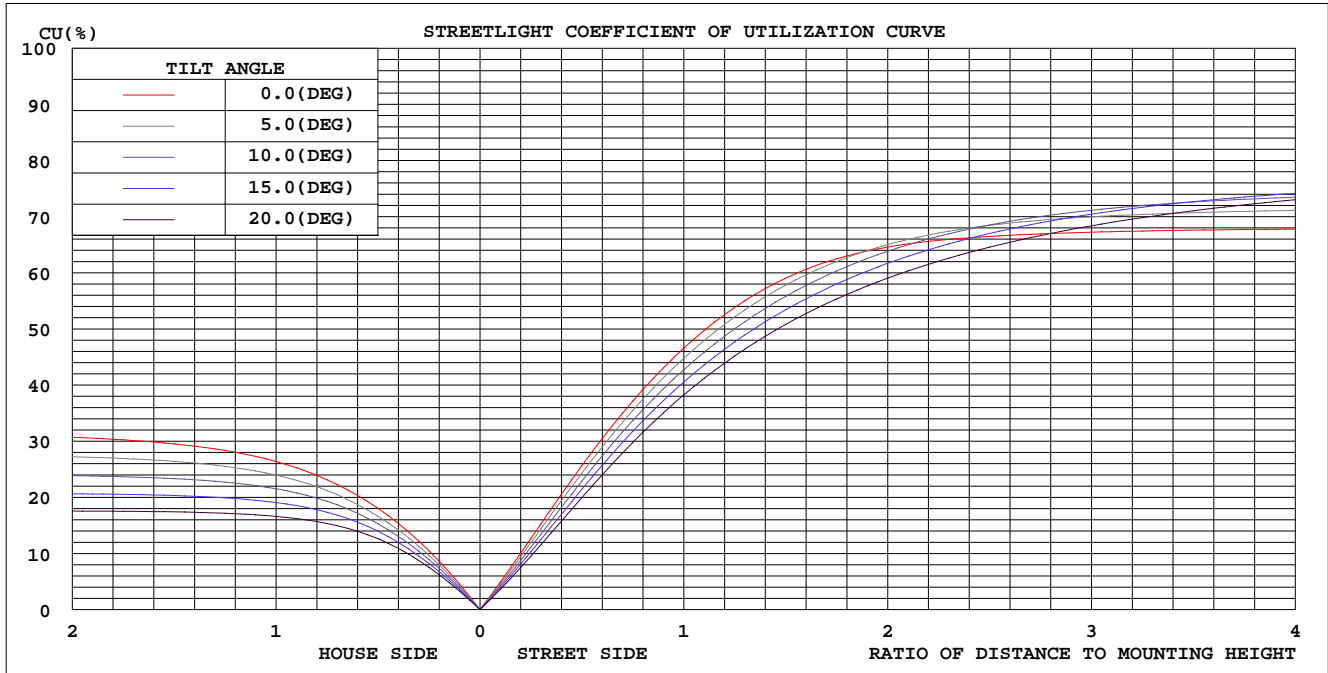
## Classification:

IES:Type III - Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:99.01cd/klm  
Max.At90:0cd/klm  
Max.80-90:99.01cd/klm  
NRB 5101:Semi limited[20.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4983
90%	4485
80%	3987
70%	3488
60%	2990
50%	2492
40%	1993
30%	1495
20%	997
10%	498
5%	249

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:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

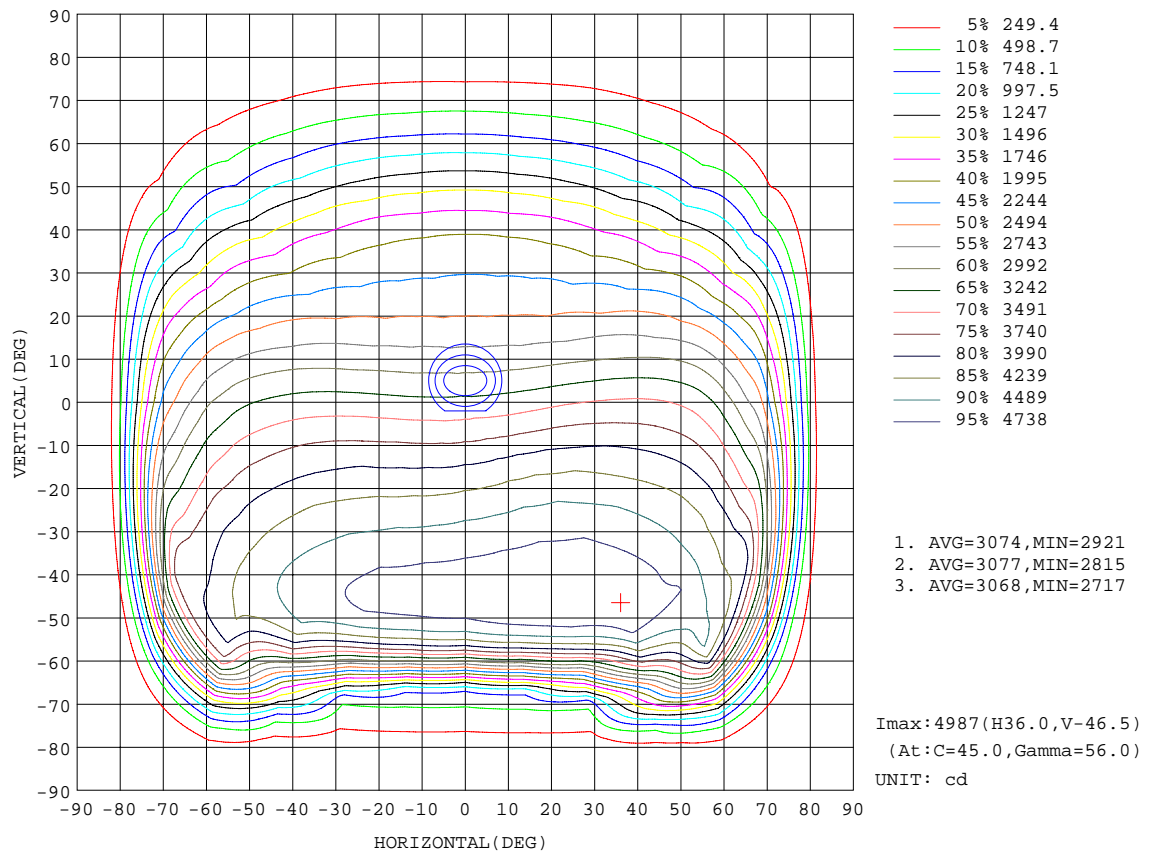
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	3349	3680	3779	3633	3297	2972	2853	2995	0- 10	316.1	316.1	2.36,2.36
20	3431	4111	4216	3968	3325	2674	2489	2698	10- 20	947.6	1264	9.43,9.43
30	3502	4455	4562	4261	3351	2398	2232	2429	20- 30	1566	2830	21.1,21.1
40	3531	4714	4811	4502	3326	2098	1955	2127	30- 40	2134	4963	37,37
50	3458	4917	4737	4684	3224	1702	1452	1711	40- 50	2569	7532	56.2,56.2
60	3109	4895	2961	4528	2945	1064	869.6	1044	50- 60	2680	10213	76.2,76.2
70	2321	3113	531.1	2430	2318	481.5	407.1	448.9	60- 70	2062	12274	91.6,91.6
80	393.6	501.3	129.2	347.1	468.2	109.9	98.73	108.4	70- 80	1022	13296	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	101.8	13398	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13398	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13398	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13398	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13398	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13398	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13398	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13398	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13398	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13398	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

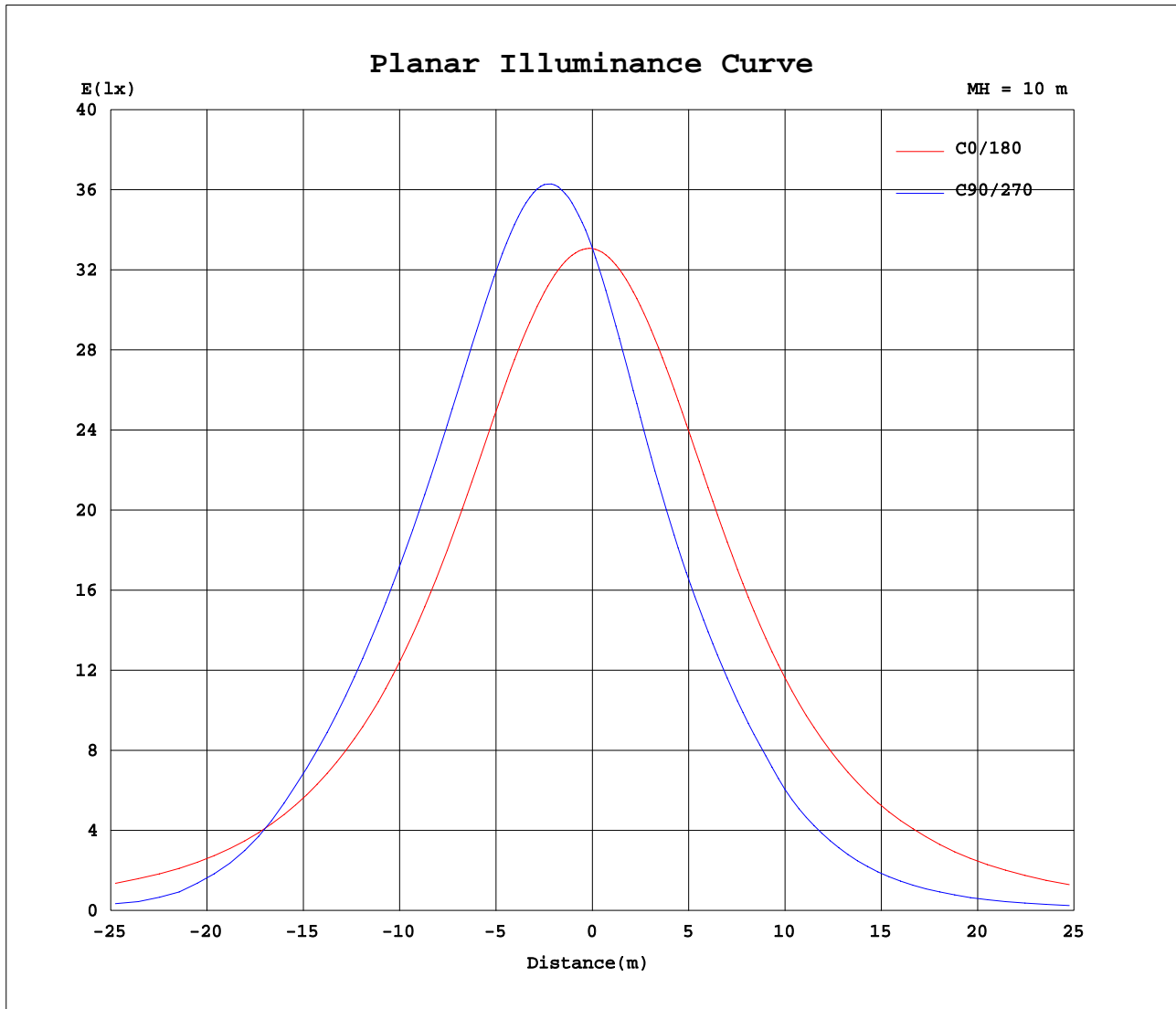
Test:U:219.3V I:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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

$\gamma$  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:

## Planar Illuminance Curve



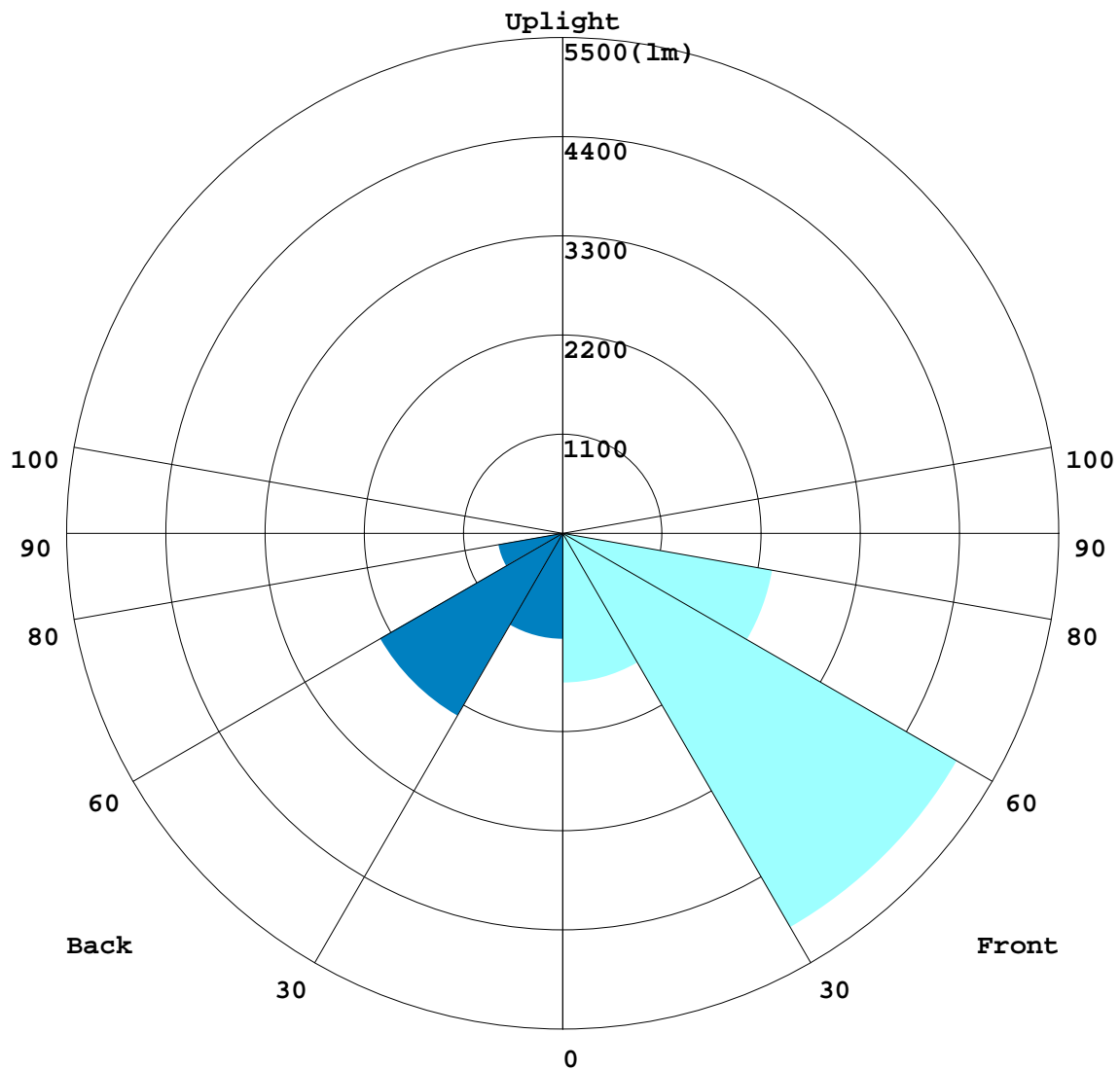
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-26

$\gamma$  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:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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)	1657.3	12.4
FM - Front-Medium(30-60)	5046.8	37.7
FH - Front-High(60-80)	2360.4	17.6
FVH - Front-Very High(80-90)	76.078	0.6
Total Forward Light	9140.5	68.2

BL - Back-Low(0-30)	1172.4	8.8
BM - Back-Medium(30-60)	2336.3	17.4
BH - Back-High(60-80)	722.98	5.4
BVH - Back-Very High(80-90)	25.763	0.2
Total Back Light	4257.5	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	4257.5	0	4257.5
Street Side	9140.5	0	9140.5

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

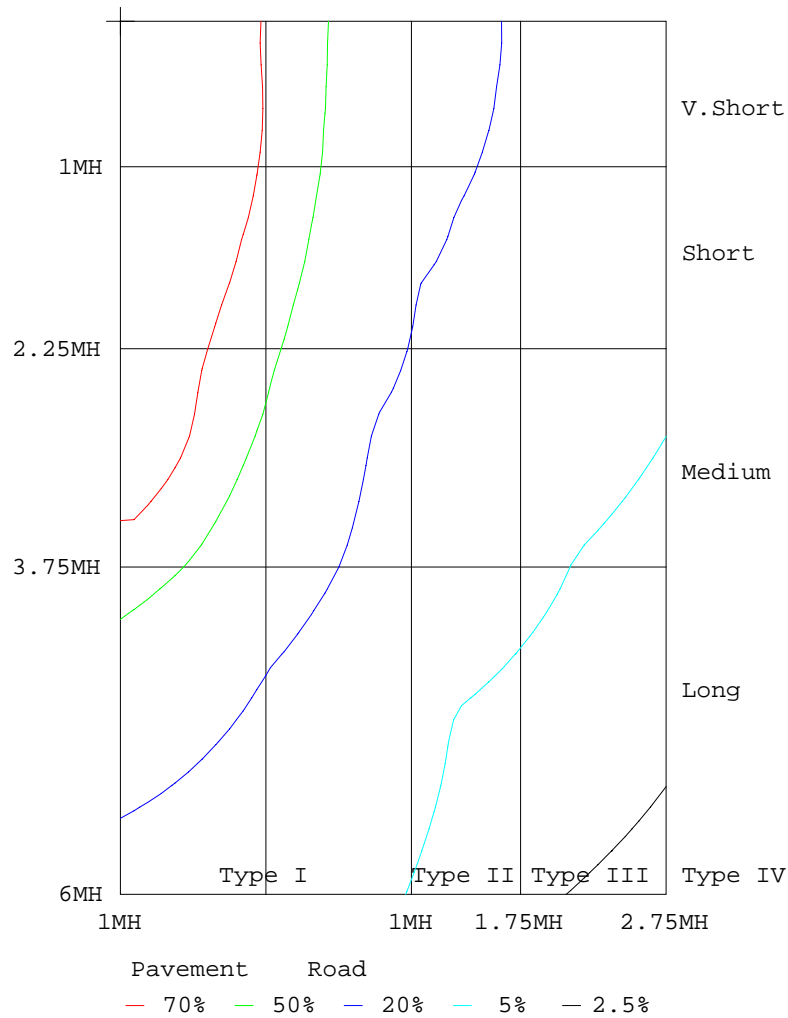
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305	3305
5	3320	3382	3437	3483	3517	3537	3539	3528	3501	3464	3415	3358	3297	3237	3180	3132	3096	3074	3070
10	3349	3473	3589	3680	3744	3777	3779	3754	3701	3633	3536	3421	3297	3177	3065	2972	2905	2862	2853
15	3386	3584	3761	3897	3979	4015	4008	3971	3902	3805	3667	3493	3308	3122	2957	2820	2729	2668	2657
20	3431	3703	3941	4111	4198	4232	4216	4166	4083	3968	3795	3575	3325	3074	2849	2674	2566	2501	2489
25	3472	3818	4108	4298	4390	4422	4404	4348	4249	4119	3922	3656	3342	3019	2738	2533	2417	2356	2345
30	3502	3918	4248	4455	4553	4585	4562	4511	4408	4261	4040	3726	3351	2957	2620	2398	2281	2235	2232
35	3525	3997	4361	4591	4697	4731	4702	4660	4552	4391	4136	3786	3347	2880	2495	2258	2155	2114	2110
40	3531	4062	4454	4714	4827	4854	4811	4781	4687	4502	4219	3831	3326	2783	2348	2098	2009	1967	1955
45	3512	4113	4537	4820	4927	4922	4859	4841	4781	4602	4287	3857	3285	2655	2167	1925	1828	1737	1708
50	3458	4153	4609	4917	4965	4872	4737	4765	4799	4684	4346	3872	3224	2493	1943	1702	1541	1470	1452
55	3341	4165	4668	4979	4807	4494	4234	4344	4585	4713	4387	3875	3109	2275	1661	1387	1259	1185	1164
60	3109	4137	4716	4895	4179	3400	2961	3239	3855	4528	4403	3868	2945	1971	1335	1064	965	893	870
65	2789	4065	4694	4391	2698	1766	1233	1555	2389	3864	4358	3814	2674	1566	931	753	686	614	599
70	2321	4043	4588	3113	1217	623	531	577	901	2430	4107	3896	2318	1045	585	481	444	412	407
75	1370	2863	3705	1841	408	337	302	323	367	1276	3271	3207	1493	523	309	268	256	240	221
80	394	915	1327	501	174	144	129	137	156	347	1199	1105	468	167	126	110	114	96.8	98.7
85	54.1	84.0	154	73.7	46.4	38.3	32.8	35.6	41.3	61.7	159	93.8	56.1	38.6	31.2	28.5	30.4	29.2	30.1
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:0.4164A P:89.62W PF:0.9813 Freq:50.01Hz Lamp Flux:13398x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3305	3305	3305	3305	3305														
5	3079	3107	3145	3198	3256														
10	2871	2919	2995	3098	3218														
15	2675	2740	2844	2996	3181														
20	2509	2578	2698	2891	3144														
25	2366	2434	2554	2781	3101														
30	2248	2301	2429	2666	3046														
35	2123	2173	2288	2546	2982														
40	1973	2024	2127	2406	2892														
45	1733	1834	1943	2229	2774														
50	1467	1534	1711	2001	2610														
55	1175	1246	1373	1706	2378														
60	878	937	1044	1346	2037														
65	600	655	721	904	1594														
70	405	429	449	544	1034														
75	237	252	255	287	475														
80	96.9	113	108	117	151														
85	29.2	30.8	29.1	31.0	38.1														
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: