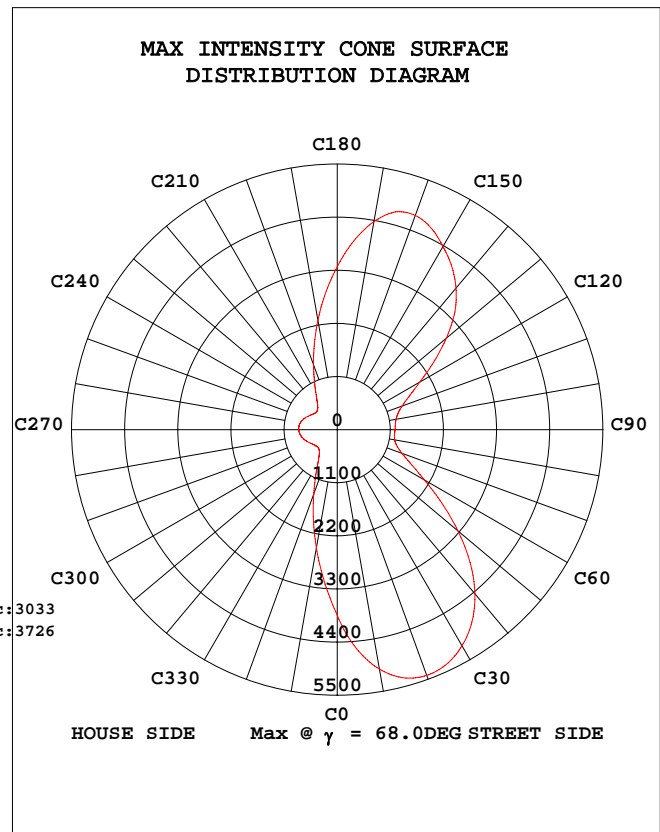
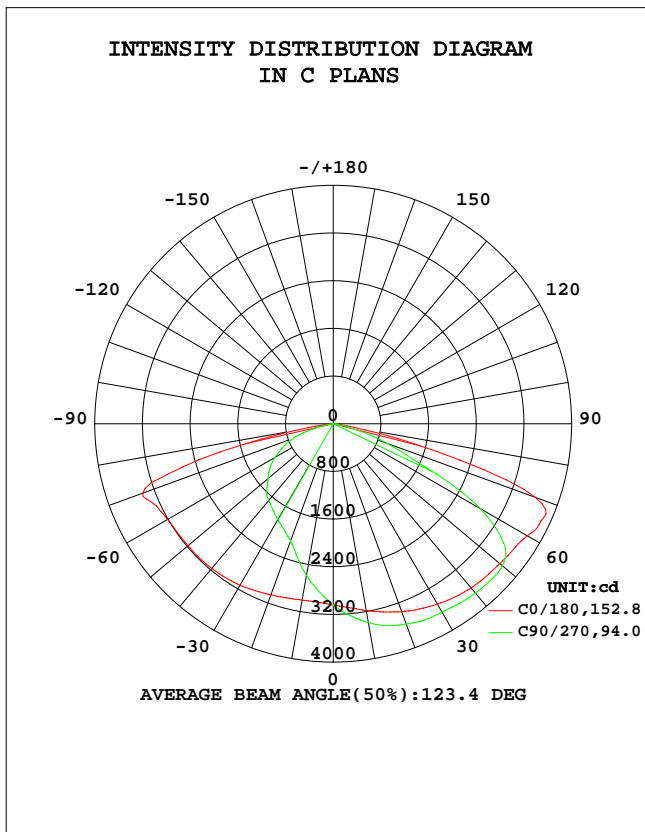


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WILE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.42 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	5320	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	66.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12679	η house_up(%)	0.0
NOMINAL FLUX(lm)	12678.6	MAXIMUM @(C,γ )	15,68.0	η house_down(%)	34.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.982

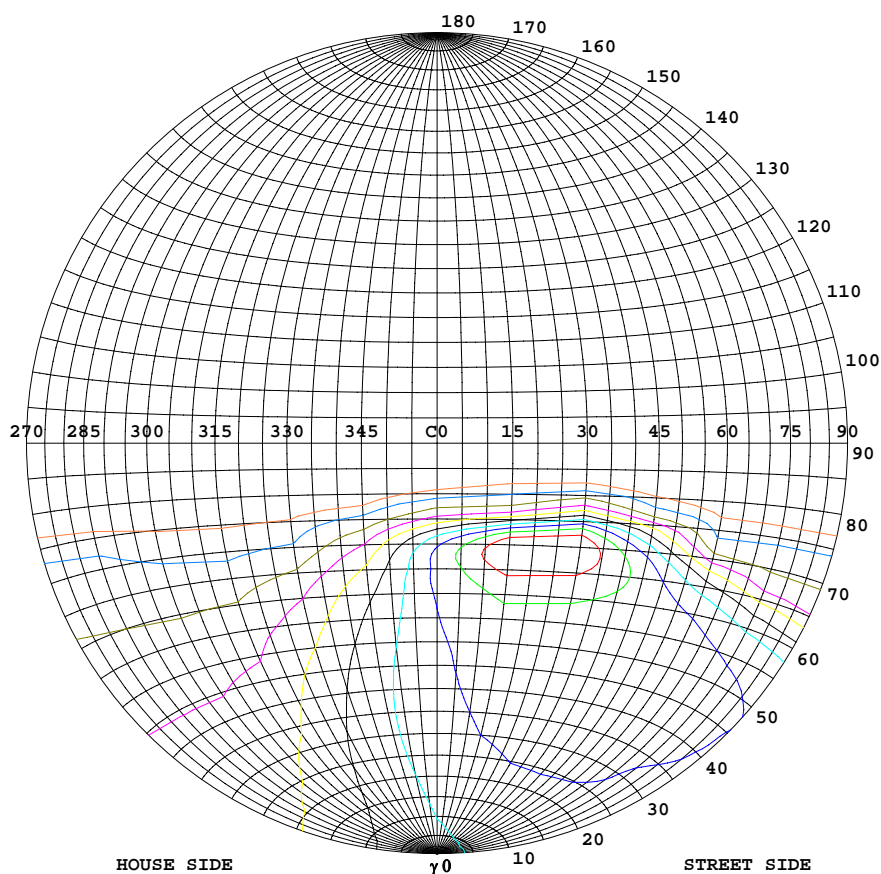


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

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:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



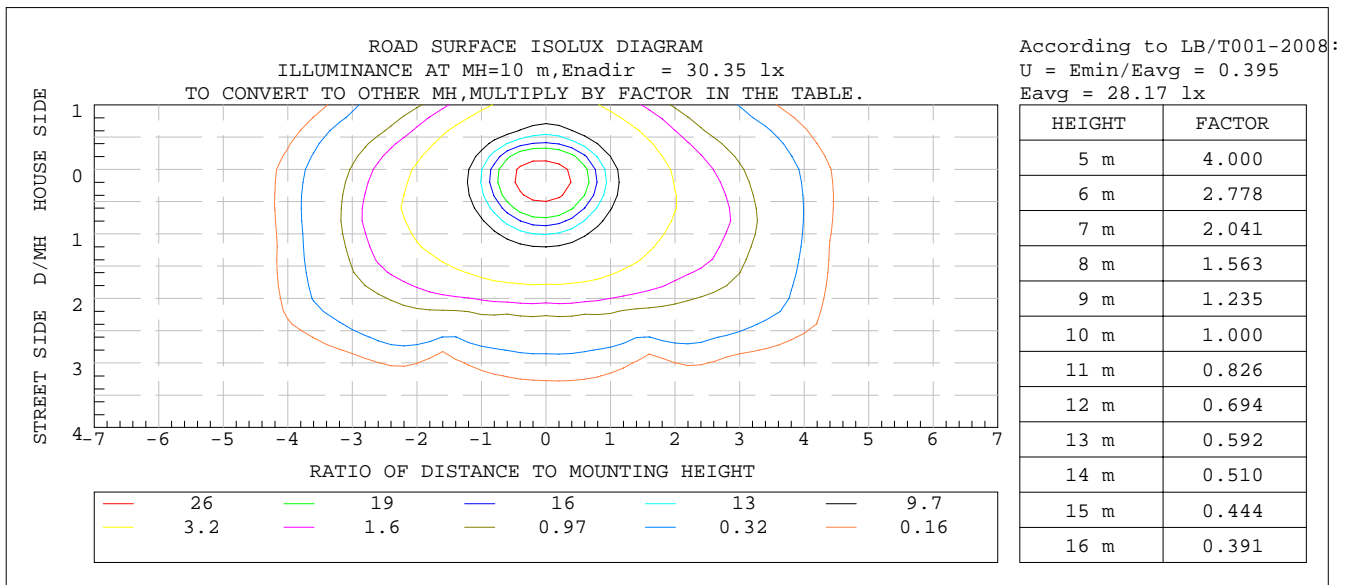
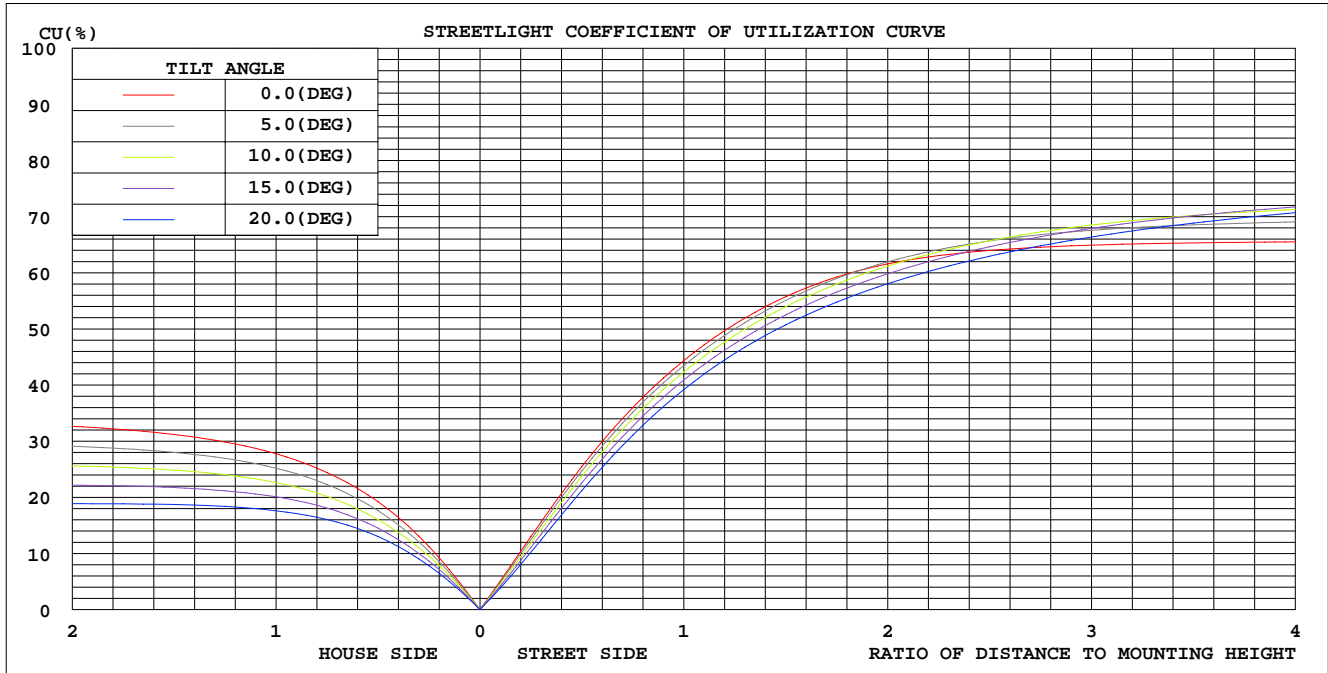
## Classification:

IES:Type III - Medium  
CIE:Broad - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:95.98cd/klm  
Max.At90:0cd/klm  
Max.80-90:95.98cd/klm  
NRB 5101:Limited[4.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5320
90%	4788
80%	4256
70%	3724
60%	3192
50%	2660
40%	2128
30%	1596
20%	1064
10%	532
5%	266

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

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: 2024-12-16

$\gamma$  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:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

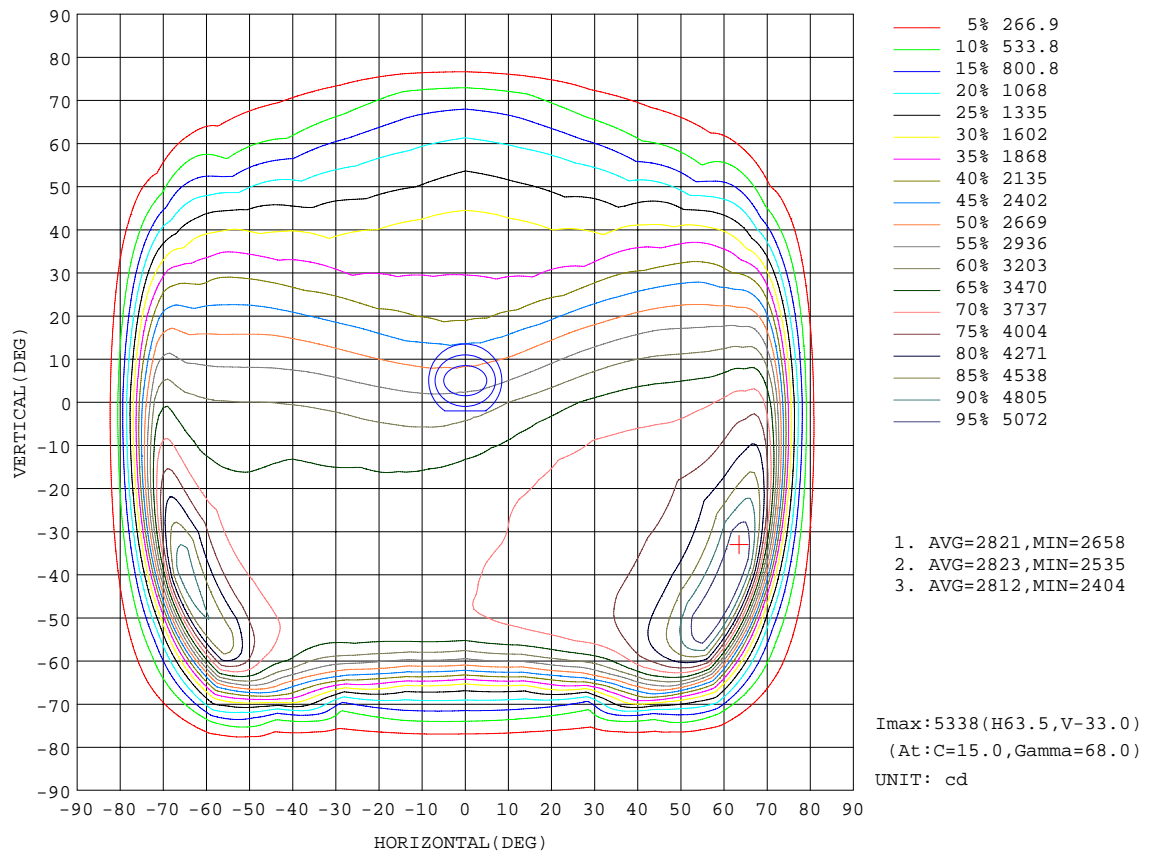
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	3182	3377	3387	3261	3005	2699	2585	2798	0- 10	289.9	289.9	2.29,2.29
20	3354	3652	3577	3456	3056	2392	2097	2548	10- 20	857.8	1148	9.05,9.05
30	3493	3816	3648	3572	3128	2114	1859	2247	20- 30	1390	2537	20,20
40	3596	3897	3708	3619	3170	1826	1682	1906	30- 40	1862	4399	34.7,34.7
50	3649	3957	3703	3653	3183	1530	1430	1561	40- 50	2238	6637	52.4,52.4
60	3763	4090	2850	3697	3210	1087	1130	1098	50- 60	2453	9091	71.7,71.7
70	3608	3514	951.3	3111	3402	467.2	710.0	450.3	60- 70	2317	11408	90,90
80	363.7	287.8	124.1	296.8	643.2	106.5	100.8	86.30	70- 80	1191	12599	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	79.64	12679	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12679	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12679	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12679	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12679	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12679	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12679	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12679	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12679	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12679	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:2024-12-16

$\gamma$  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

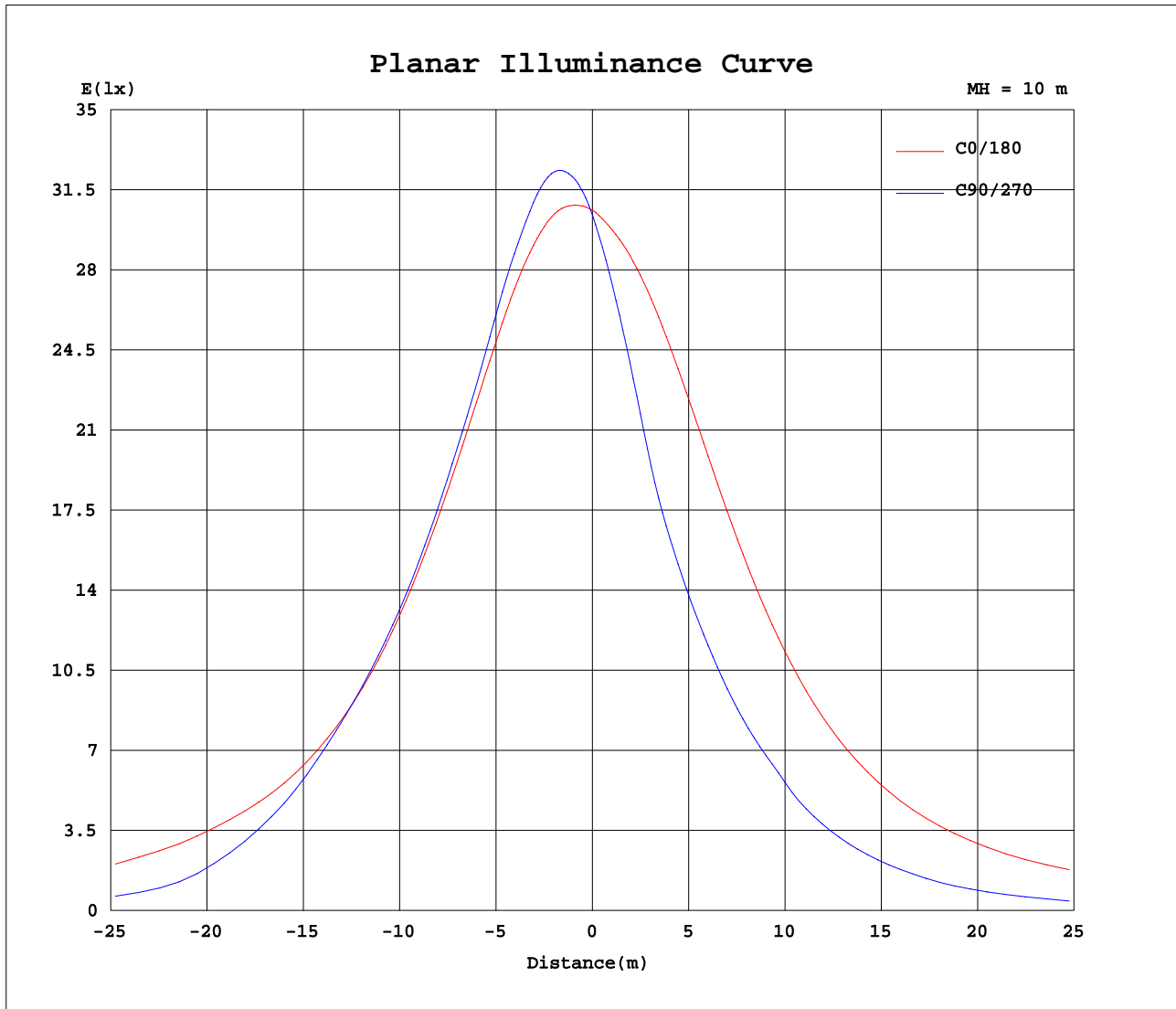
Test:U:219.3V I:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-16

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



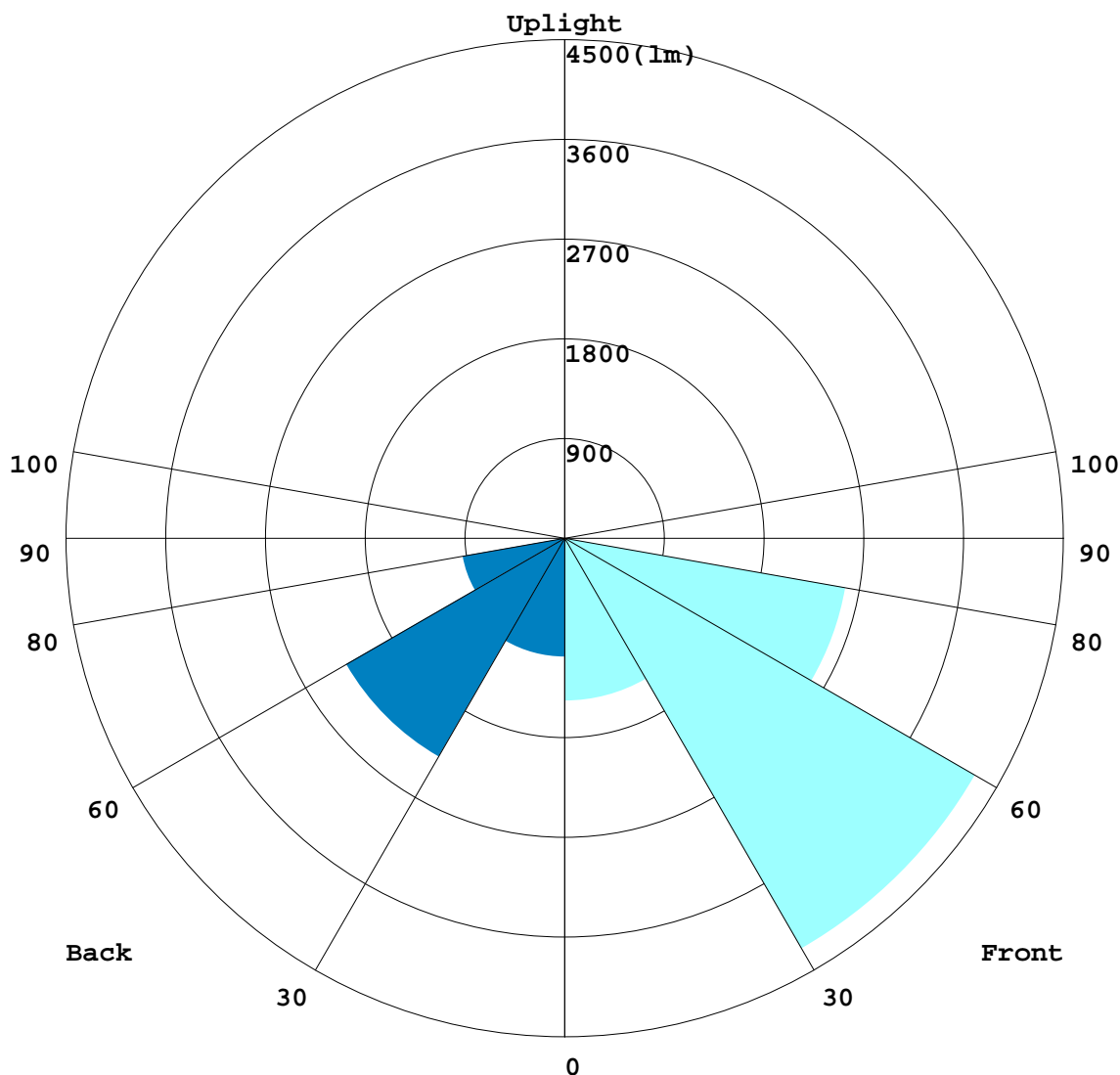
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-16

$\gamma$  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:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-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:2024-12-16

$\gamma$  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:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-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)	1467.1	11.6
FM - Front-Medium(30-60)	4277.5	33.7
FH - Front-High(60-80)	2573.2	20.3
FVH - Front-Very High(80-90)	55.545	0.4
Total Forward Light	8373.3	66.0

BL - Back-Low(0-30)	1070.2	8.4
BM - Back-Medium(30-60)	2275.9	18.0
BH - Back-High(60-80)	934.99	7.4
BVH - Back-Very High(80-90)	24.093	0.2
Total Back Light	4305.2	34.0

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	4305.2	0	4305.2
Street Side	8373.3	0	8373.3

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-16

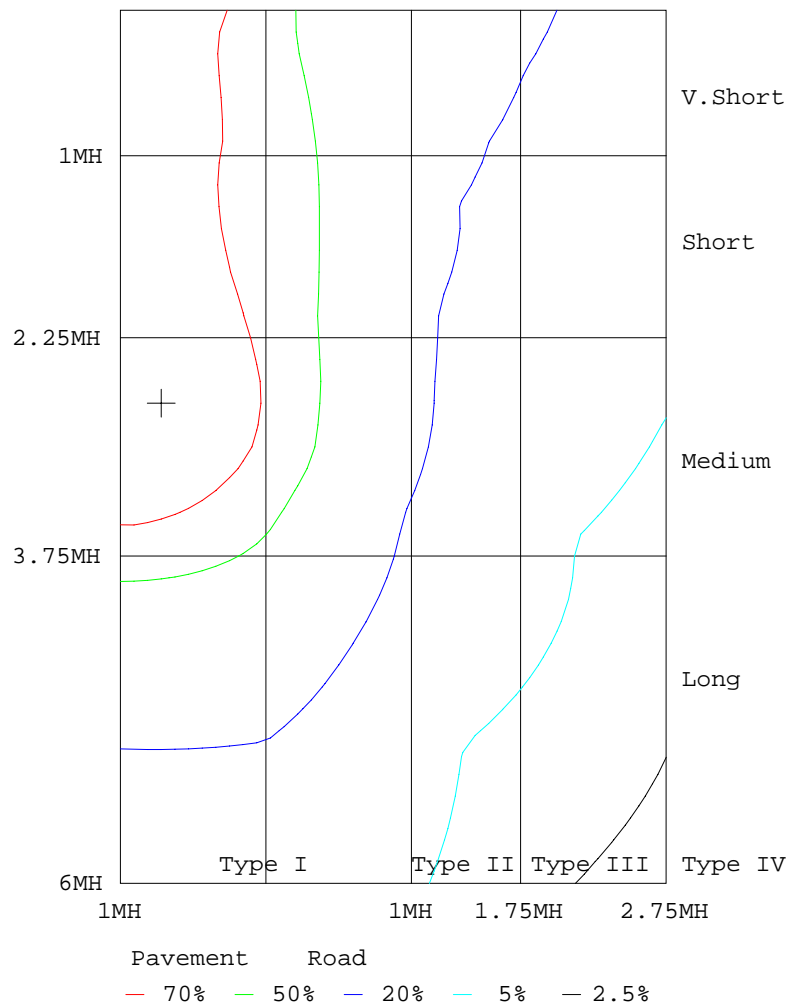
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-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:2024-12-16

$\gamma$  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:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041	3041
5	3099	3147	3185	3215	3228	3236	3230	3217	3189	3155	3112	3060	3005	2953	2902	2860	2833	2817	2822
10	3182	3273	3336	3377	3394	3401	3387	3362	3316	3261	3195	3108	3005	2900	2793	2699	2631	2582	2585
15	3269	3397	3478	3526	3537	3531	3507	3476	3430	3367	3280	3173	3025	2868	2704	2545	2425	2332	2324
20	3354	3513	3608	3652	3635	3616	3577	3545	3505	3456	3364	3235	3056	2848	2619	2392	2218	2109	2097
25	3429	3620	3718	3741	3717	3684	3633	3603	3562	3517	3440	3302	3092	2830	2537	2254	2061	1977	1962
30	3493	3709	3801	3816	3777	3712	3648	3620	3606	3572	3503	3369	3128	2813	2456	2114	1931	1871	1859
35	3551	3784	3864	3870	3810	3753	3682	3649	3626	3613	3549	3426	3152	2792	2356	1968	1809	1770	1765
40	3596	3843	3907	3897	3852	3787	3708	3678	3656	3619	3586	3473	3170	2751	2238	1826	1695	1676	1682
45	3624	3891	3936	3927	3872	3797	3721	3691	3668	3636	3605	3498	3180	2693	2103	1687	1573	1556	1583
50	3649	3954	3978	3957	3881	3789	3703	3698	3672	3653	3609	3515	3183	2607	1948	1530	1391	1365	1430
55	3684	4088	4073	4006	3867	3661	3494	3578	3649	3669	3630	3563	3191	2488	1753	1326	1195	1209	1297
60	3763	4367	4312	4090	3658	3104	2850	3049	3448	3697	3729	3713	3210	2326	1512	1087	1010	1044	1130
65	3845	4941	4831	4109	2878	1981	1660	1983	2731	3649	4009	4144	3271	2039	1176	794	776	855	936
70	3608	5186	5236	3514	1328	998	951	1025	1316	3111	4637	4964	3402	1621	678	467	518	658	710
75	1801	2519	3439	1834	403	411	439	461	435	1740	3813	3332	2337	908	326	274	289	373	383
80	364	522	877	288	133	121	124	126	141	297	1217	770	643	188	120	106	117	113	101
85	40.3	57.4	83.2	44.9	31.0	30.0	28.0	32.2	35.5	52.6	138	94.1	69.2	36.7	27.5	23.5	24.8	22.8	22.6
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:2024-12-16

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:0.4193A P:90.29W PF:0.9818 Freq:50.01Hz Lamp Flux:12678.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T311-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	3041	3041	3041	3041	3041														
5	2835	2872	2918	2975	3035														
10	2612	2694	2798	2925	3055														
15	2368	2499	2672	2877	3081														
20	2145	2306	2548	2831	3106														
25	1980	2113	2406	2778	3131														
30	1858	1950	2247	2708	3144														
35	1755	1810	2080	2606	3137														
40	1668	1691	1906	2481	3106														
45	1566	1580	1736	2328	3047														
50	1400	1398	1561	2132	2943														
55	1242	1228	1337	1889	2801														
60	1064	1037	1098	1594	2587														
65	852	767	755	1147	2226														
70	632	482	450	593	1626														
75	337	258	242	284	685														
80	96.6	93.9	86.3	96.8	130														
85	20.7	20.2	18.4	20.6	27.4														
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:2024-12-16

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: