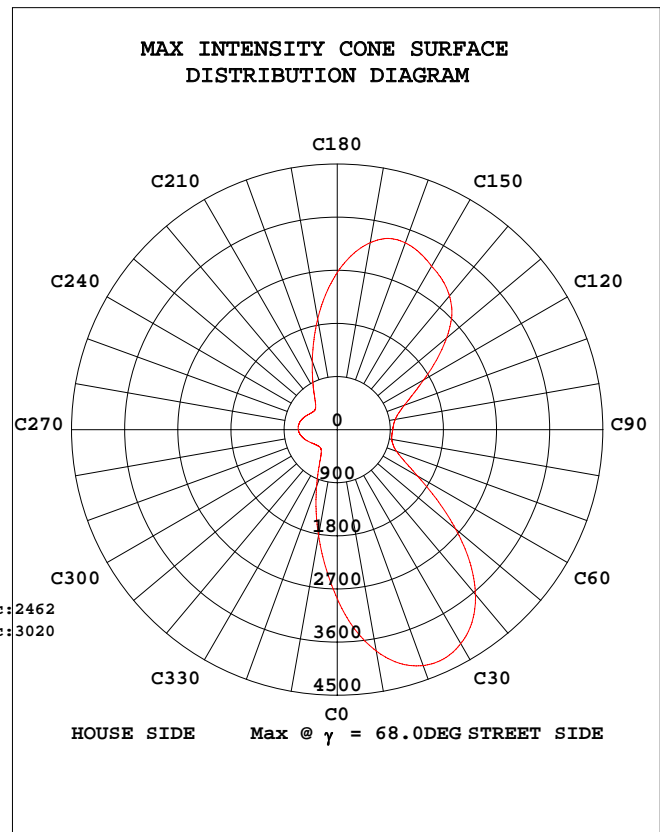
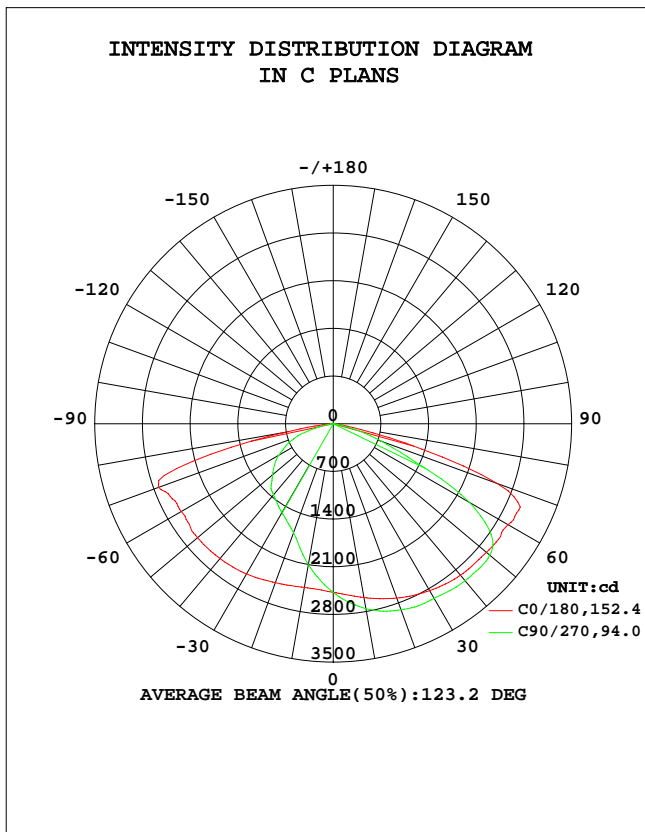


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WILE-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: 147.22 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	4184	η street_up(%)	0.0
NOMINAL POWER(W)	70	LOR(%)	100.0	η street_down(%)	65.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	10235	η house_up(%)	0.0
NOMINAL FLUX(lm)	10234.8	MAXIMUM @(C,γ )	30,68.0	η house_down(%)	34.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.125

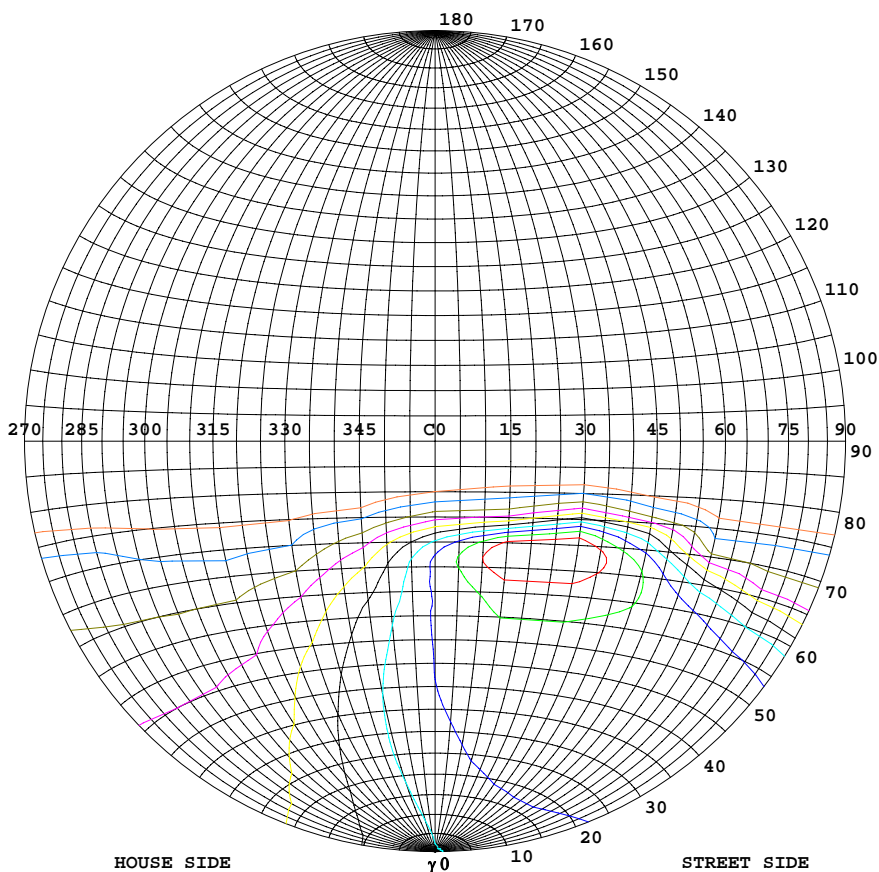


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-18

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:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



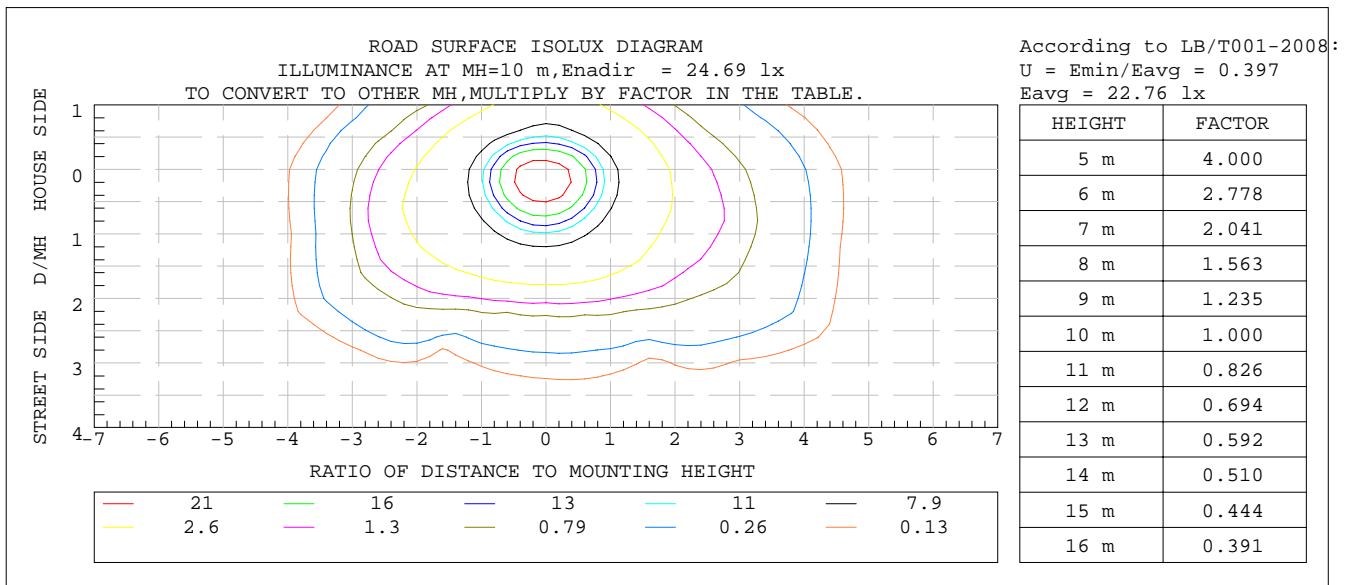
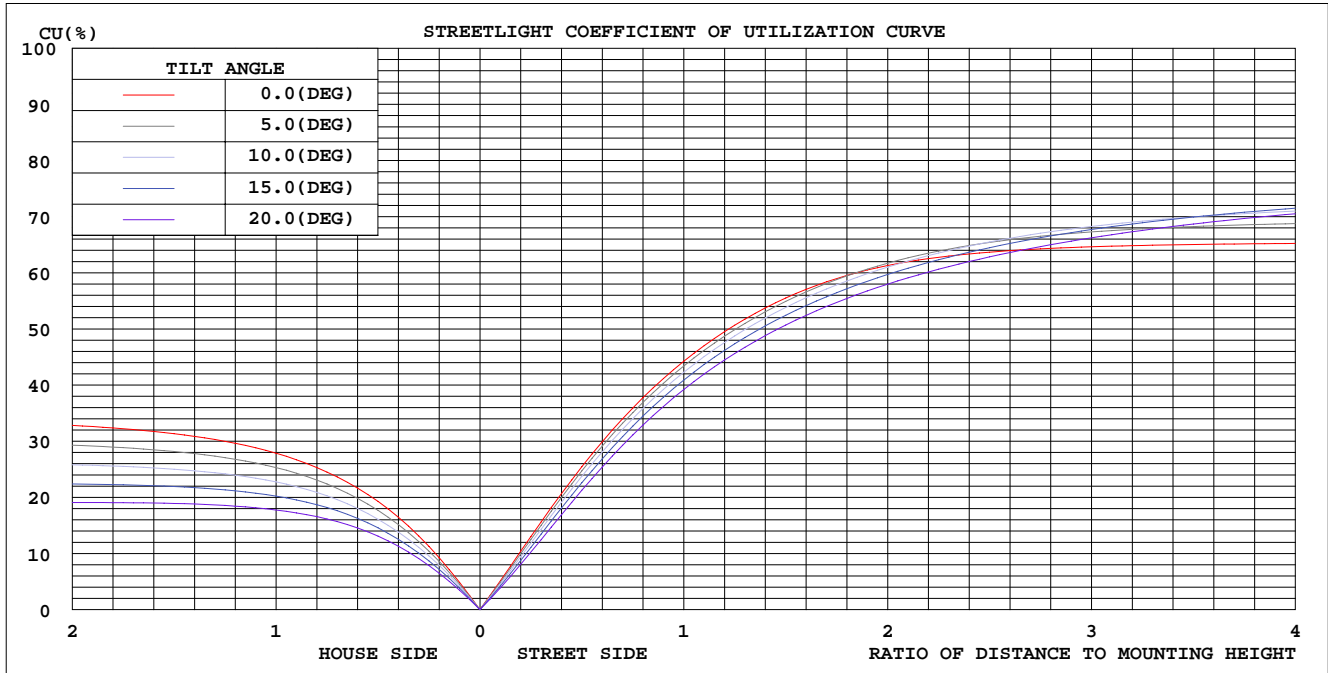
## Classification:

IES:Type III - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:126.0cd/klm  
Max.At90:0cd/klm  
Max.80-90:126.0cd/klm  
NRB 5101:Semi limited[25.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4184
90%	3766
80%	3348
70%	2929
60%	2511
50%	2092
40%	1674
30%	1255
20%	837
10%	418
5%	209

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-18

$\gamma$  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: 2024-12-18

$\gamma$  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:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

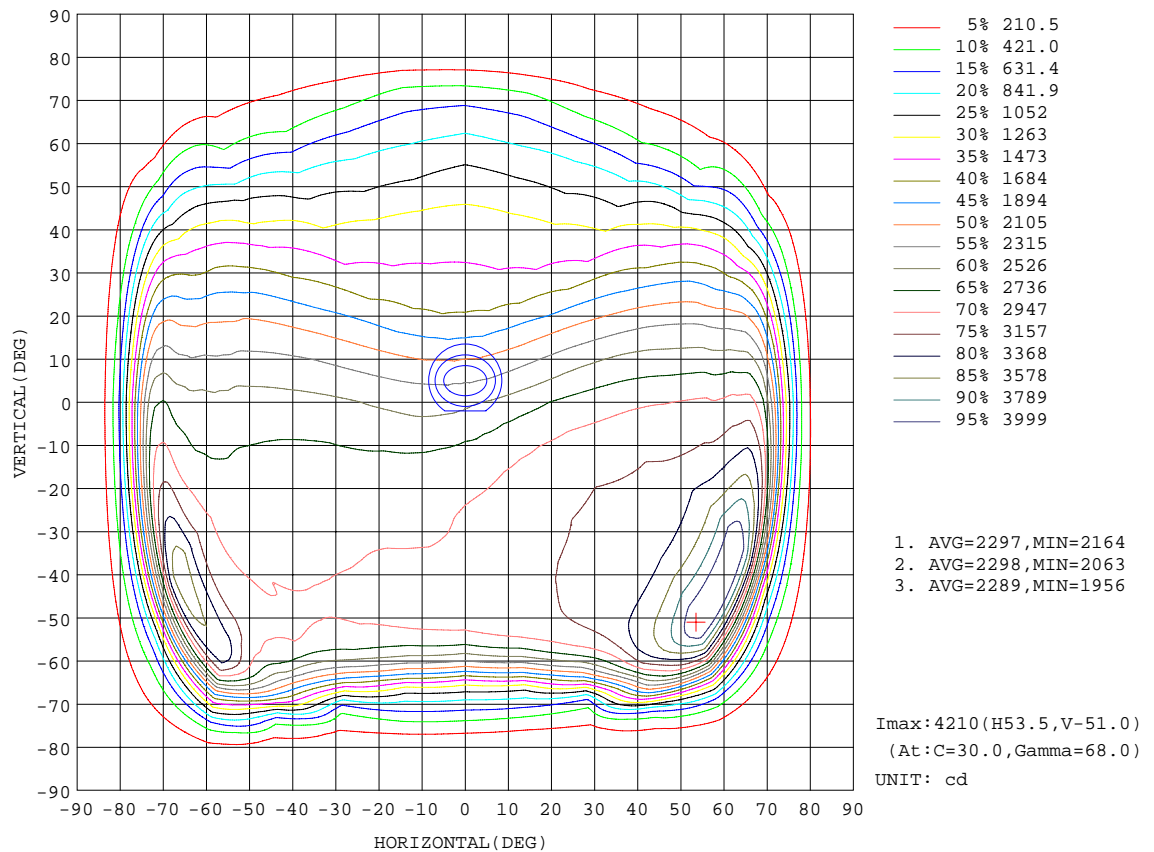
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2590	2753	2755	2649	2440	2195	2101	2283	0- 10	236.0	236.0	2.31,2.31
20	2724	2975	2906	2802	2485	1945	1704	2080	10- 20	697.6	933.7	9.12,9.12
30	2829	3106	2961	2896	2546	1728	1508	1827	20- 30	1129	2063	20.2,20.2
40	2904	3169	3008	2936	2584	1502	1364	1541	30- 40	1512	3575	34.9,34.9
50	2937	3223	3000	2961	2602	1268	1163	1255	40- 50	1818	5394	52.7,52.7
60	2964	3357	2309	2992	2575	920.9	924.2	867.2	50- 60	1991	7384	72.1,72.1
70	2556	2803	755.2	2518	2732	418.2	589.5	350.7	60- 70	1845	9230	90.2,90.2
80	209.5	185.9	84.31	327.4	679.7	113.4	93.49	64.92	70- 80	929.4	10159	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	75.73	10235	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10235	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10235	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10235	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10235	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10235	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10235	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10235	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10235	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10235	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:2024-12-18

$\gamma$  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

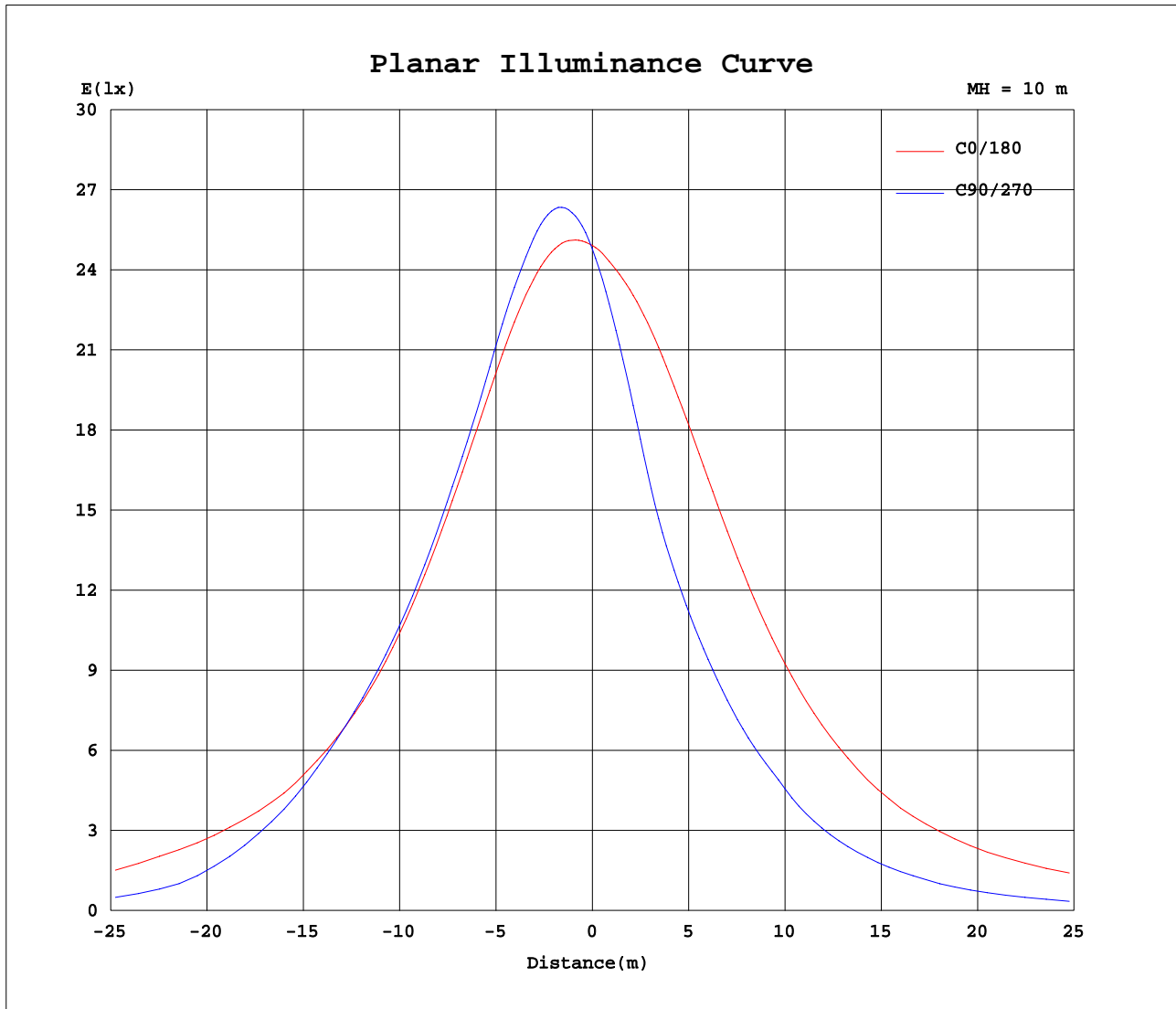
Test:U:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-18

$\gamma$  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



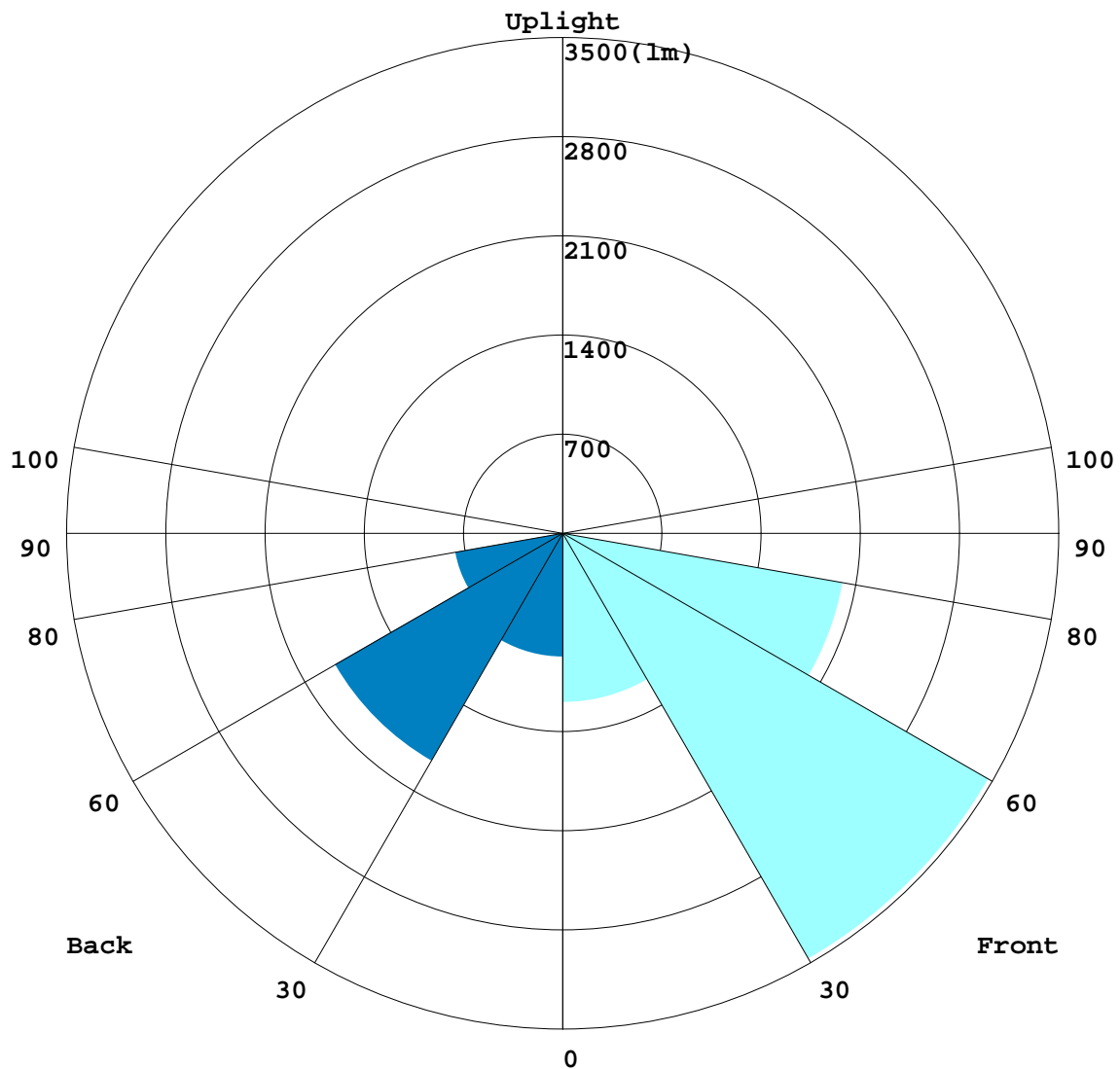
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-18

$\gamma$  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:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-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:2024-12-18

$\gamma$  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:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-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)	1191.8	11.6
FM - Front-Medium(30-60)	3468	33.9
FH - Front-High(60-80)	2005.4	19.6
FVH - Front-Very High(80-90)	49.246	0.5
Total Forward Light	6714.5	65.6

BL - Back-Low(0-30)	871.07	8.5
BM - Back-Medium(30-60)	1853.4	18.1
BH - Back-High(60-80)	769.35	7.5
BVH - Back-Very High(80-90)	26.481	0.3
Total Back Light	3520.3	34.4

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3520.3	0	3520.3
Street Side	6714.5	0	6714.5

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-18

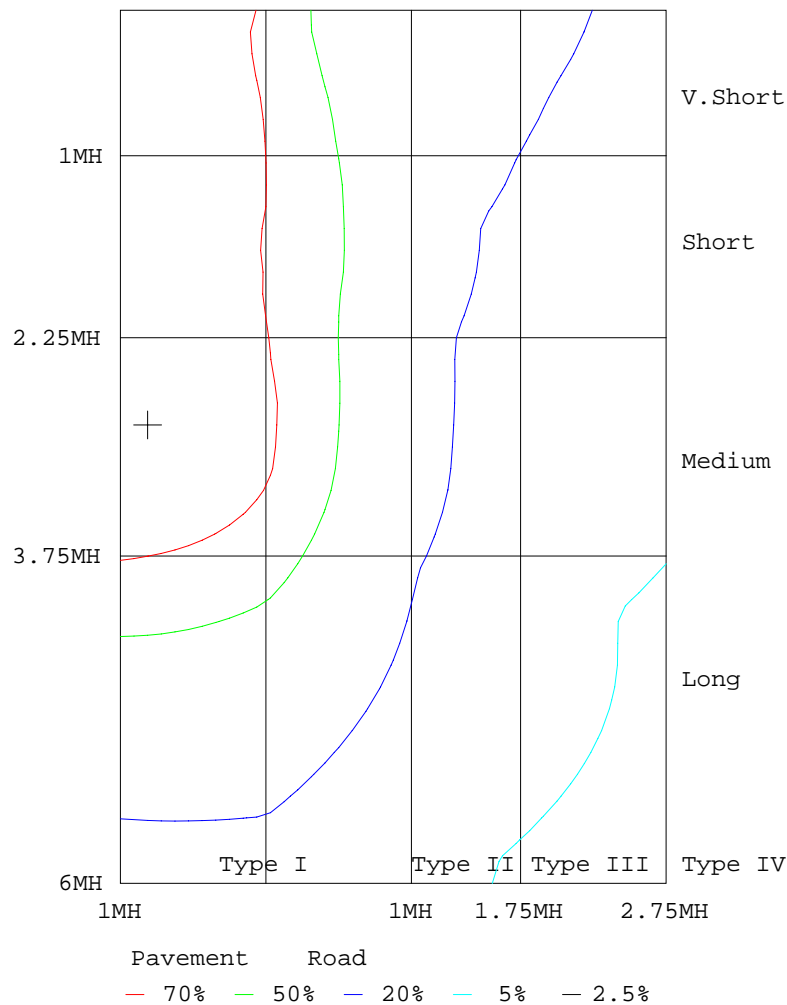
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-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:2024-12-18

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:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-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	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475	2475
5	2524	2565	2596	2619	2628	2636	2629	2618	2595	2566	2530	2488	2444	2401	2362	2329	2306	2295	2296
10	2590	2666	2718	2753	2764	2768	2755	2736	2696	2649	2591	2522	2440	2358	2270	2195	2135	2102	2101
15	2659	2764	2829	2874	2878	2875	2850	2826	2780	2731	2659	2572	2458	2332	2196	2070	1965	1897	1888
20	2724	2856	2932	2975	2958	2944	2906	2881	2840	2802	2728	2623	2485	2319	2130	1945	1795	1716	1704
25	2781	2938	3020	3046	3025	3000	2950	2925	2885	2852	2784	2674	2515	2307	2067	1836	1670	1608	1592
30	2829	3009	3087	3106	3071	3025	2961	2940	2922	2896	2836	2730	2546	2296	2006	1728	1570	1524	1508
35	2873	3067	3135	3147	3097	3054	2989	2961	2937	2931	2871	2776	2569	2282	1932	1614	1474	1443	1433
40	2904	3114	3168	3169	3130	3080	3008	2985	2964	2936	2901	2814	2584	2257	1843	1502	1385	1368	1364
45	2919	3155	3194	3192	3144	3087	3017	2993	2973	2946	2917	2838	2598	2216	1739	1390	1289	1277	1290
50	2937	3214	3236	3223	3152	3080	3000	2999	2974	2961	2920	2850	2602	2157	1622	1268	1152	1122	1163
55	2961	3337	3332	3269	3137	2970	2828	2909	2956	2972	2930	2867	2576	2055	1475	1123	987	996	1053
60	2964	3557	3575	3357	2950	2507	2309	2496	2810	2992	2945	2897	2575	1927	1276	921	841	863	924
65	3004	3999	3953	3389	2267	1547	1334	1653	2268	2940	3028	3104	2610	1701	1034	701	669	713	767
70	2556	3825	4064	2803	980	765	755	842	1211	2518	3338	3643	2732	1408	643	418	458	558	590
75	1103	1347	2262	1310	296	304	336	381	371	1578	3230	2940	2139	865	313	257	263	337	326
80	210	311	418	186	101	85.4	84.3	97.7	130	327	1290	755	680	228	126	113	119	112	93.5
85	31.0	44.9	45.3	31.9	22.5	21.5	20.9	26.0	35.0	58.1	158	137	103	47.6	36.3	30.1	30.0	25.7	23.6
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:2024-12-18

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:219.4V I:0.3213A P:69.52W PF:0.9864 Freq:50.00Hz Lamp Flux:10234.8x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-70WiLE-NV-L3-00-5070-T311-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	2475	2475	2475	2475	2475													
5	2310	2339	2380	2428	2477													
10	2127	2194	2283	2389	2495													
15	1931	2037	2183	2350	2514													
20	1747	1879	2080	2310	2535													
25	1609	1719	1960	2264	2553													
30	1508	1581	1827	2198	2556													
35	1423	1465	1688	2110	2546													
40	1352	1366	1541	2004	2516													
45	1259	1272	1400	1872	2460													
50	1133	1120	1255	1705	2369													
55	1003	984	1061	1500	2246													
60	857	828	867	1251	2022													
65	692	606	576	843	1701													
70	516	377	351	423	1127													
75	275	204	183	202	387													
80	76.8	74.7	64.9	69.7	102													
85	19.6	18.0	16.1	19.7	26.4													
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:2024-12-18

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: