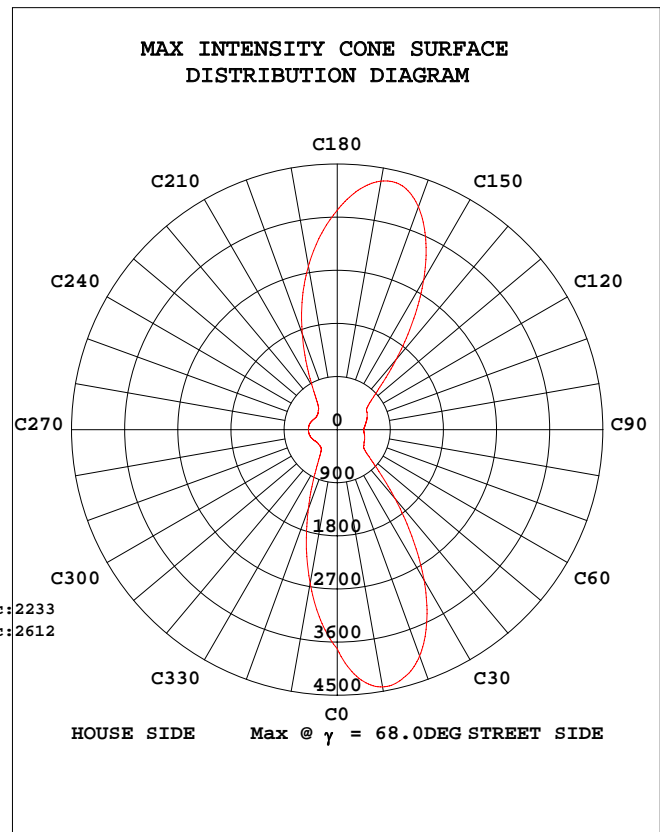
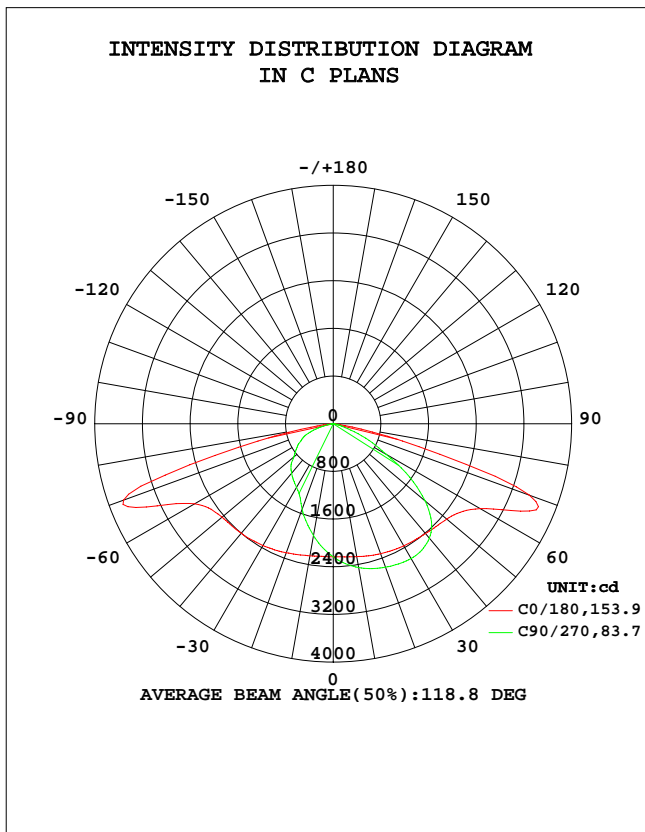


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WILE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.67 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	4350	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	62.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8656	η house_up(%)	0.0
NOMINAL FLUX(lm)	8656.12	MAXIMUM @(C,γ )	15,68.0	η house_down(%)	37.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.901

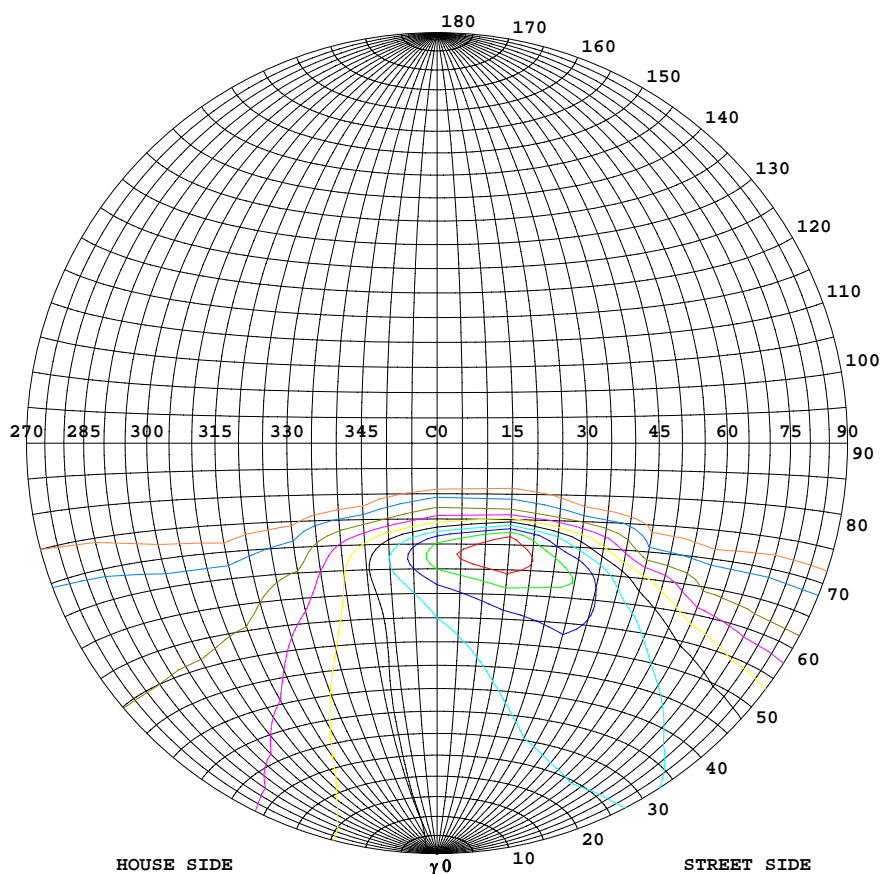


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-12

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:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



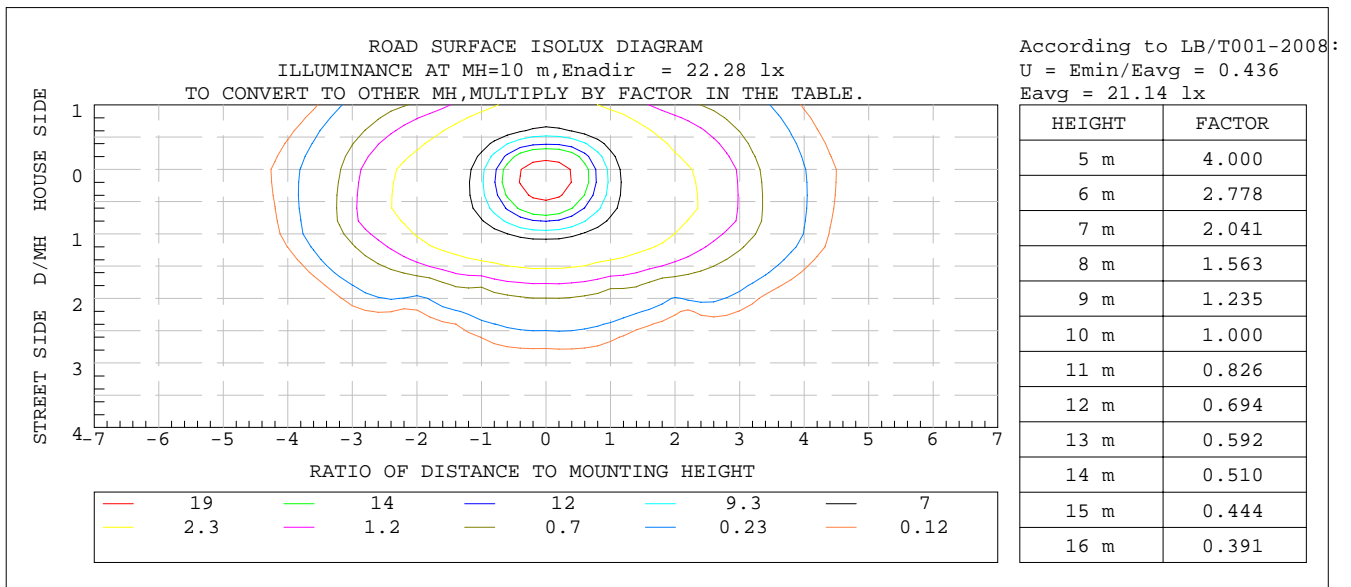
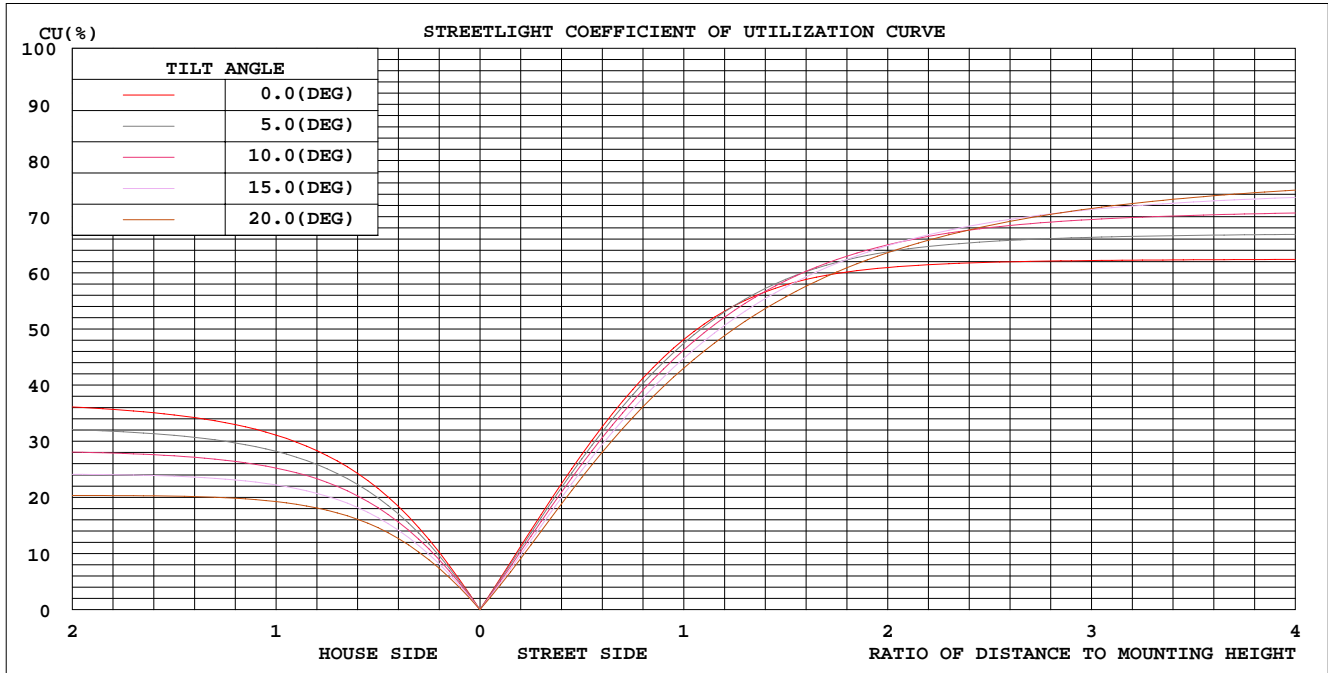
## Classification:

IES:Type II - Medium  
CIE:Narrow - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:64.14cd/klm  
Max.At90:0cd/klm  
Max.80-90:64.14cd/klm  
NRB 5101:Limited[4.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4350
90%	3915
80%	3480
70%	3045
60%	2610
50%	2175
40%	1740
30%	1305
20%	870
10%	435
5%	217

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

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: 2024-12-12

$\gamma$  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:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

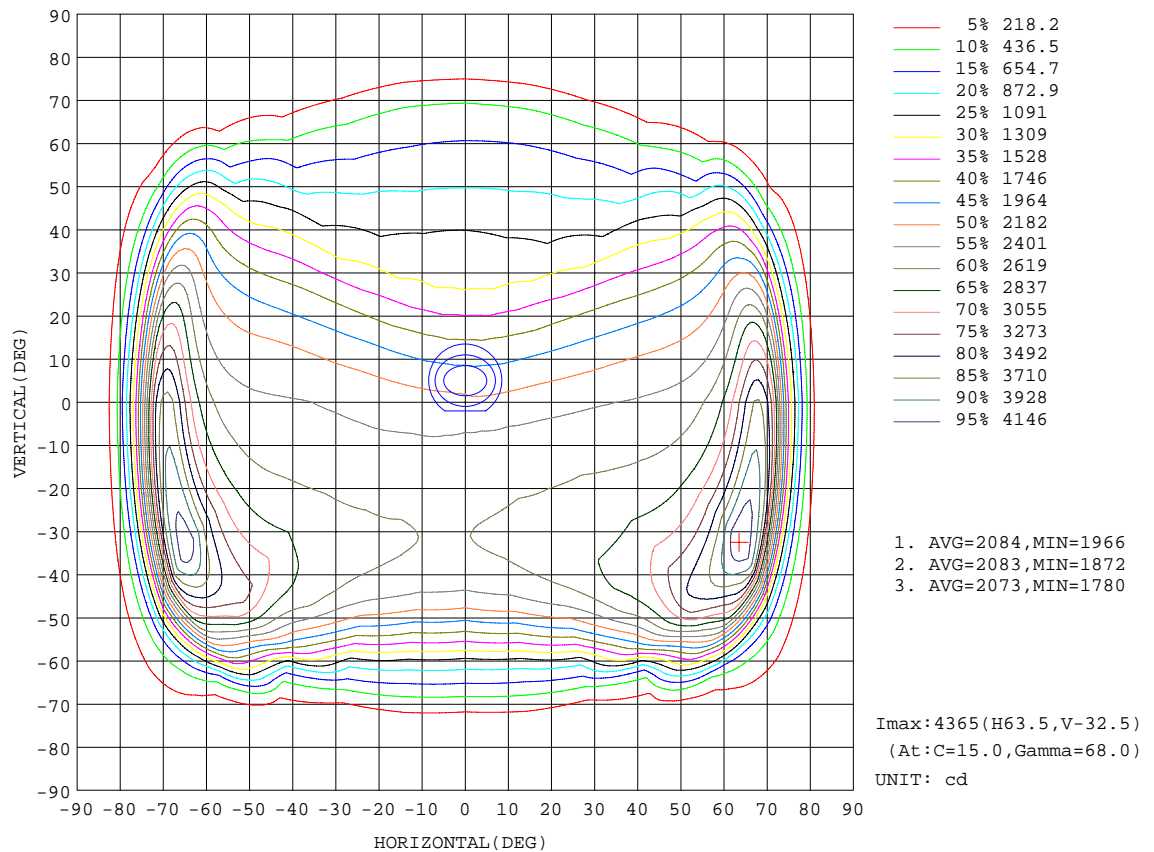
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	2265	2406	2449	2401	2250	2031	1907	2030	0- 10	212.4	212.4	2.45,2.45
20	2320	2538	2562	2523	2303	1832	1528	1819	10- 20	623.0	835.4	9.65,9.65
30	2366	2641	2611	2608	2359	1627	1234	1607	20- 30	995.2	1831	21.1,21.1
40	2407	2763	2509	2707	2400	1380	1087	1335	30- 40	1322	3153	36.4,36.4
50	2489	2852	2008	2784	2439	1109	863.6	1049	40- 50	1569	4722	54.6,54.6
60	2849	2462	1024	2400	2689	761.1	672.2	712.0	50- 60	1655	6378	73.7,73.7
70	3500	555.0	315.9	652.2	3745	337.3	414.2	290.8	60- 70	1565	7942	91.8,91.8
80	321.7	61.47	52.63	74.17	555.2	61.07	59.23	48.04	70- 80	677.1	8619	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	36.84	8656	100,100
100	0	0	0	0	0	0	0	0	90-100	0	8656	100,100
110	0	0	0	0	0	0	0	0	100-110	0	8656	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8656	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8656	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8656	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8656	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8656	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8656	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8656	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:2024-12-12

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

## ISOCANDELA DIAGRAM

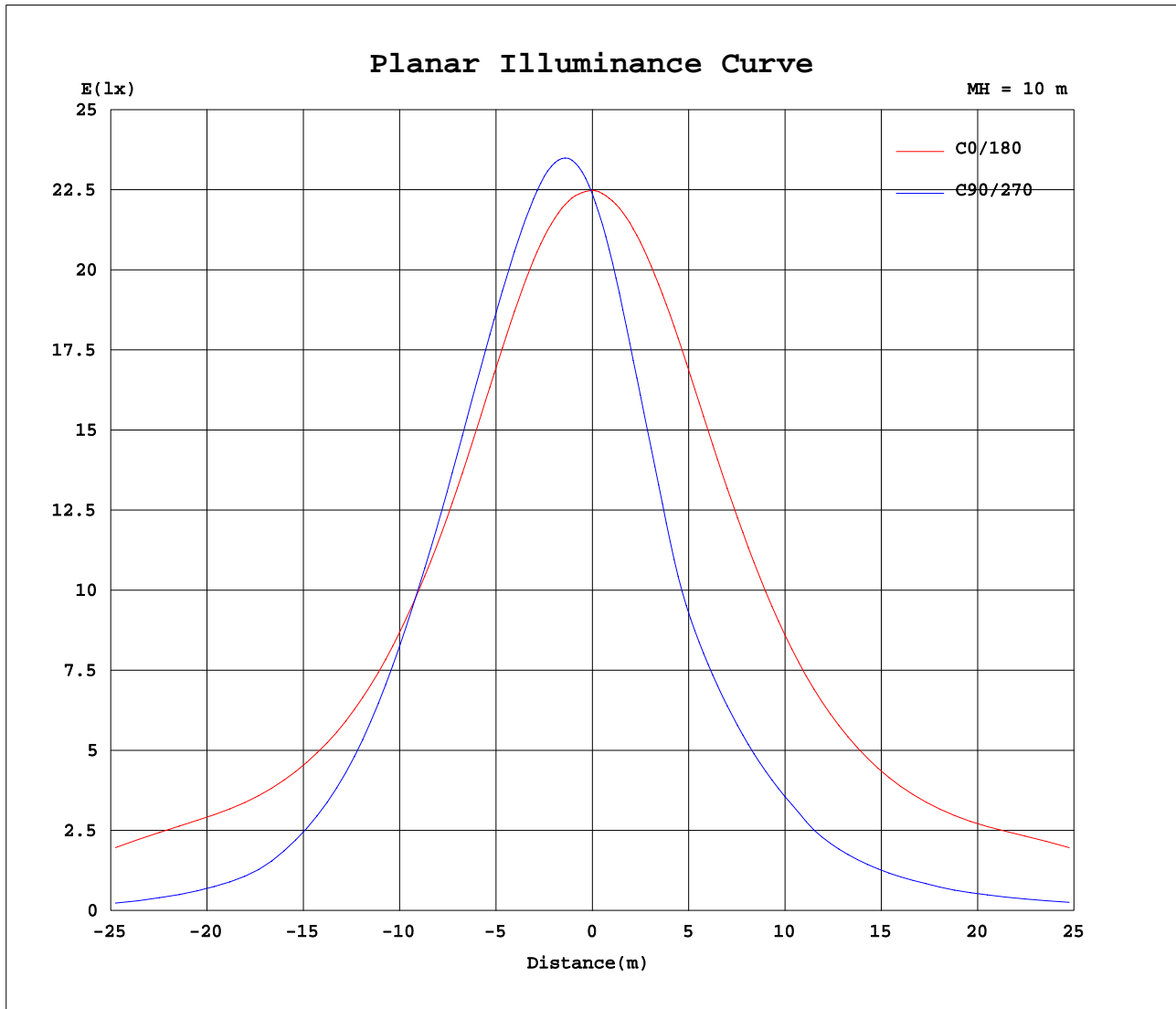
Test:U:219.3V I:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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

$\gamma$  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



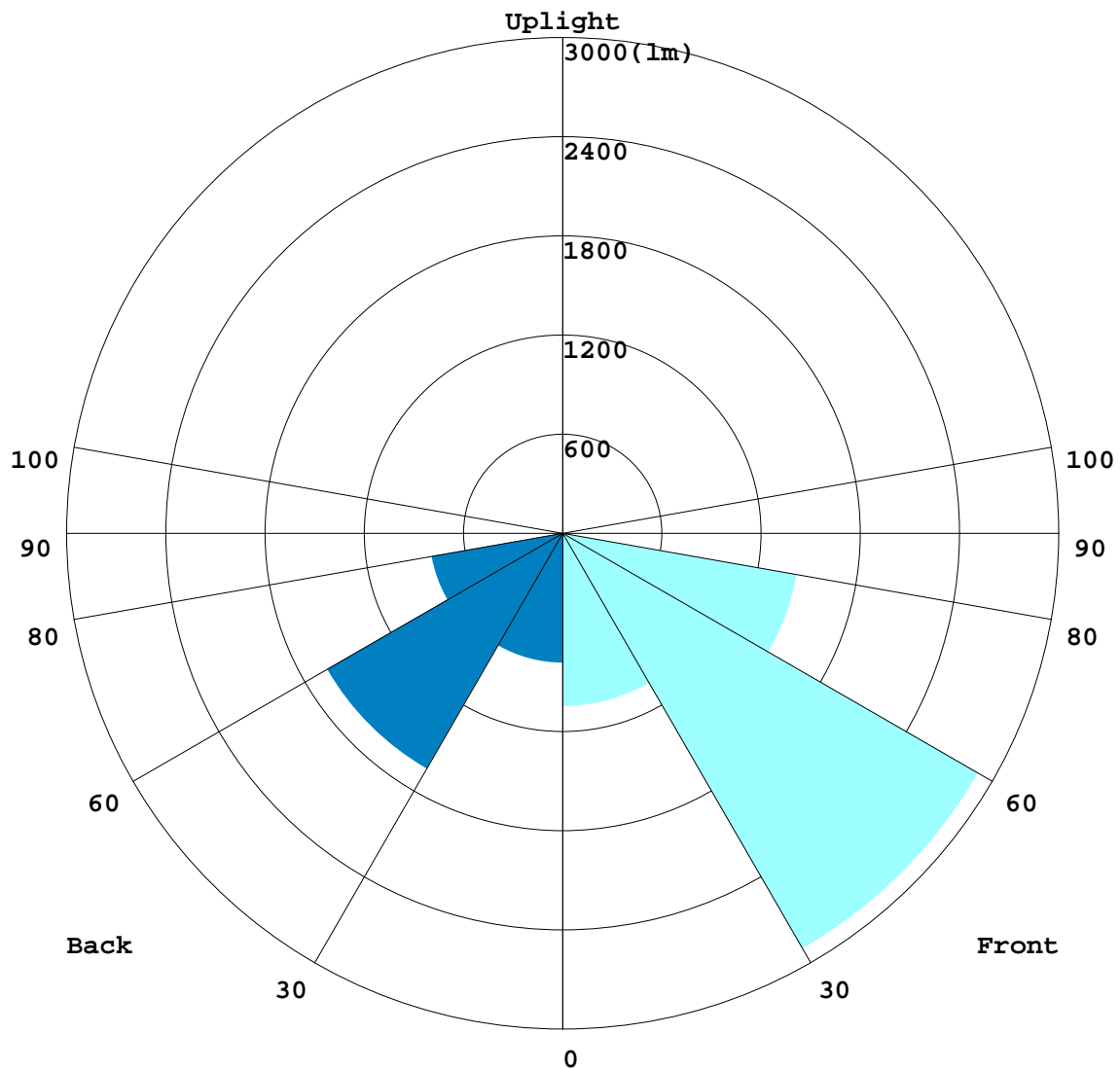
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-12

$\gamma$  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:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-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:2024-12-12

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:219.3V I:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-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)	1046.5	12.1
FM - Front-Medium(30-60)	2902.2	33.5
FH - Front-High(60-80)	1437.6	16.6
FVH - Front-Very High(80-90)	20.365	0.2
Total Forward Light	5406.7	62.5

BL - Back-Low(0-30)	784	9.1
BM - Back-Medium(30-60)	1644.8	19.0
BH - Back-High(60-80)	804.2	9.3
BVH - Back-Very High(80-90)	16.47	0.2
Total Back Light	3249.4	37.5

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	3249.4	0	3249.4
Street Side	5406.7	0	5406.7

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

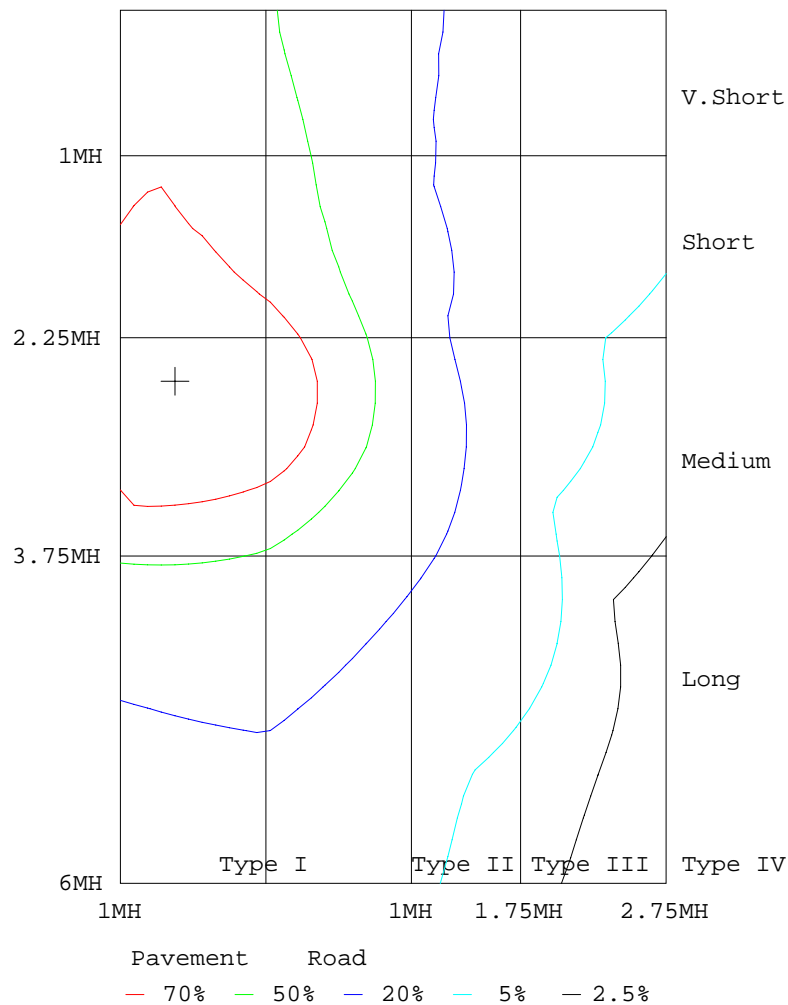
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-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:2024-12-12

$\gamma$  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:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-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	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233	2233
5	2242	2273	2302	2327	2341	2354	2356	2354	2341	2323	2298	2268	2234	2201	2165	2133	2108	2089	2084
10	2265	2322	2370	2406	2429	2445	2449	2444	2425	2401	2363	2313	2250	2185	2108	2031	1966	1920	1907
15	2294	2372	2433	2478	2500	2513	2516	2510	2494	2468	2423	2361	2274	2178	2056	1931	1820	1745	1722
20	2320	2418	2490	2538	2556	2563	2562	2557	2544	2523	2475	2406	2303	2177	2007	1832	1675	1564	1528
25	2344	2459	2539	2589	2605	2604	2595	2594	2584	2569	2521	2447	2334	2180	1965	1730	1519	1372	1335
30	2366	2500	2589	2641	2649	2632	2611	2616	2620	2608	2562	2484	2359	2176	1917	1627	1371	1255	1234
35	2384	2538	2642	2701	2681	2632	2589	2610	2647	2651	2605	2522	2381	2177	1867	1511	1239	1172	1161
40	2407	2578	2706	2763	2689	2575	2509	2550	2641	2707	2662	2566	2400	2175	1807	1380	1134	1092	1087
45	2440	2636	2796	2818	2634	2429	2331	2408	2583	2759	2753	2610	2415	2162	1731	1243	1037	1003	1004
50	2489	2731	2930	2852	2465	2141	2008	2123	2408	2784	2874	2680	2439	2139	1630	1109	935	867	864
55	2594	2920	3123	2784	2087	1696	1567	1692	2049	2715	3049	2836	2503	2117	1495	963	779	755	763
60	2849	3305	3365	2462	1496	1121	1024	1144	1489	2400	3257	3164	2689	2123	1318	761	653	656	672
65	3469	4021	3394	1838	797	697	664	725	845	1789	3275	3809	3260	2221	1064	584	518	538	561
70	3500	4203	2438	555	321	341	316	363	385	652	2533	4311	3745	2183	677	337	343	398	414
75	1488	1859	806	158	121	124	128	131	133	183	1009	2542	2057	1140	264	150	151	205	217
80	322	332	113	61.5	51.7	54.2	52.6	58.9	59.0	74.2	129	444	555	171	68.7	61.1	59.6	59.4	59.2
85	20.2	25.5	16.0	12.6	11.0	12.0	10.9	14.1	14.9	19.2	23.5	46.8	64.8	23.6	16.1	14.4	15.7	13.5	13.0
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:2024-12-12

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:0.2778A P:59.83W PF:0.9820 Freq:50.01Hz Lamp Flux:8656.12x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-60WiLE-NV-L3-00-5070-T211-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	2233	2233	2233	2233	2233														
5	2088	2106	2133	2168	2206														
10	1918	1964	2030	2111	2193														
15	1743	1817	1926	2059	2187														
20	1557	1664	1819	2003	2180														
25	1373	1511	1715	1949	2172														
30	1246	1359	1607	1898	2166														
35	1159	1219	1476	1836	2162														
40	1080	1109	1335	1759	2153														
45	1004	1014	1190	1666	2134														
50	871	920	1049	1552	2113														
55	773	779	901	1399	2094														
60	672	662	712	1195	2103														
65	546	515	551	907	2143														
70	387	330	291	529	1801														
75	192	136	130	161	631														
80	55.2	50.9	48.0	49.5	96.2														
85	11.8	11.7	9.36	9.58	13.1														
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:2024-12-12

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: