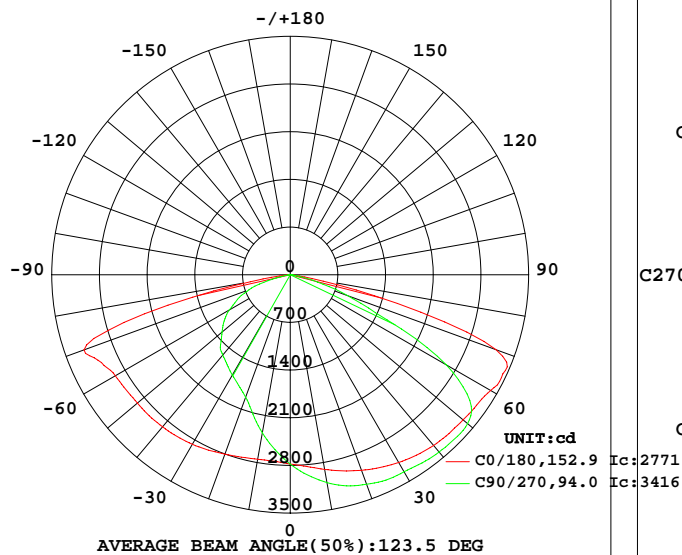
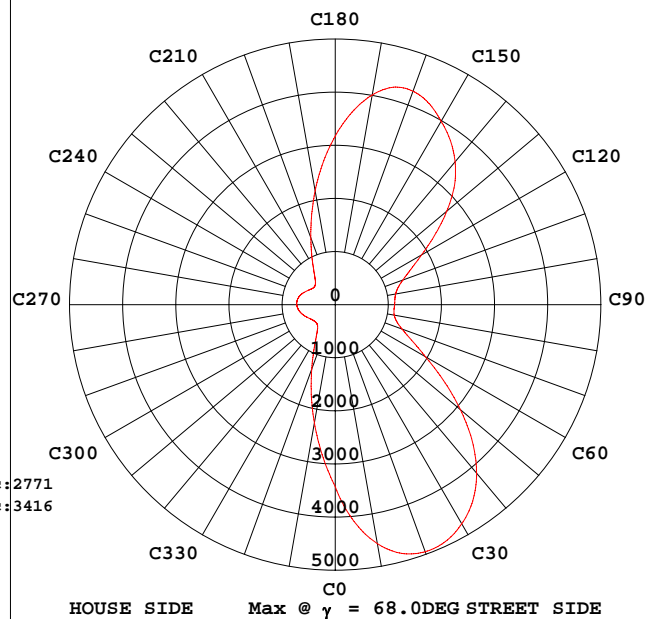


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WILE-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: 144.09 lm/W			
MODEL	3030	Imax(cd)	4848	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	$\eta$ street_down(%)	66.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11640	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	11639.6	MAXIMUM @(C, $\gamma$ )	15,68.0	$\eta$ house_down(%)	33.9
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	19.835

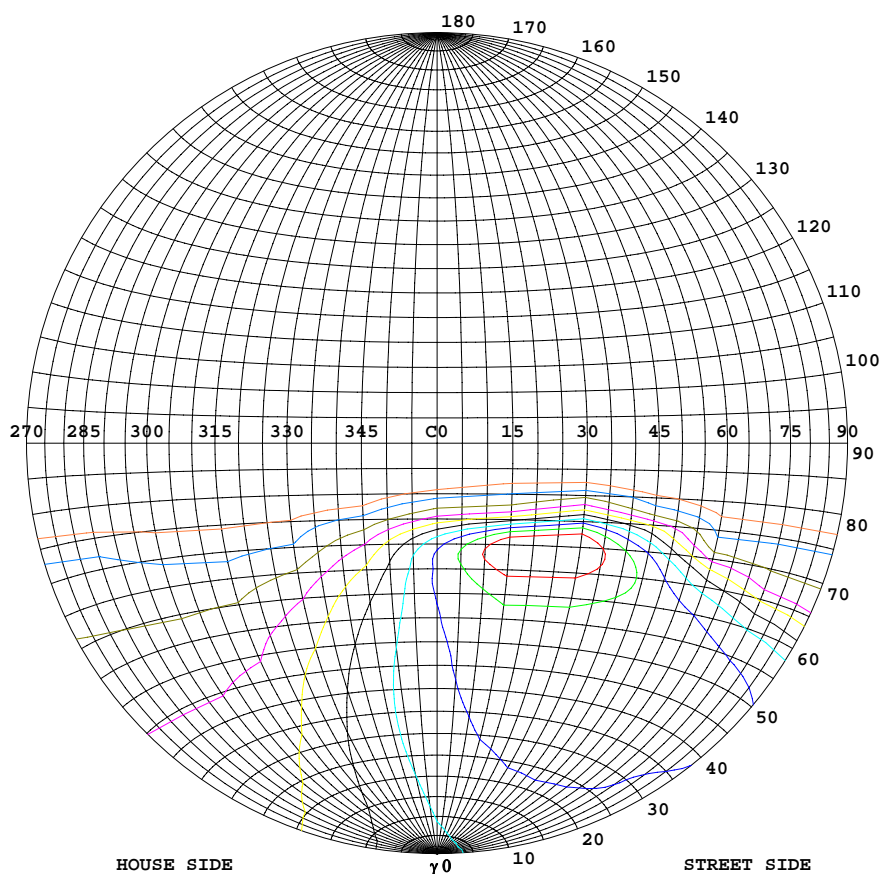
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



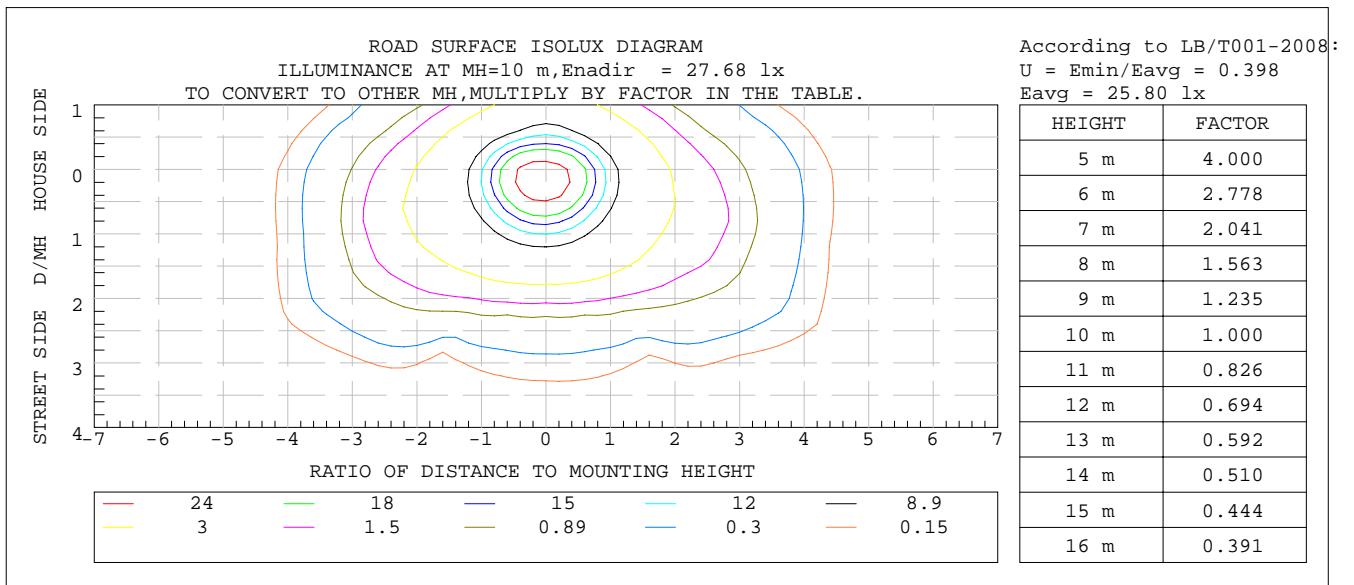
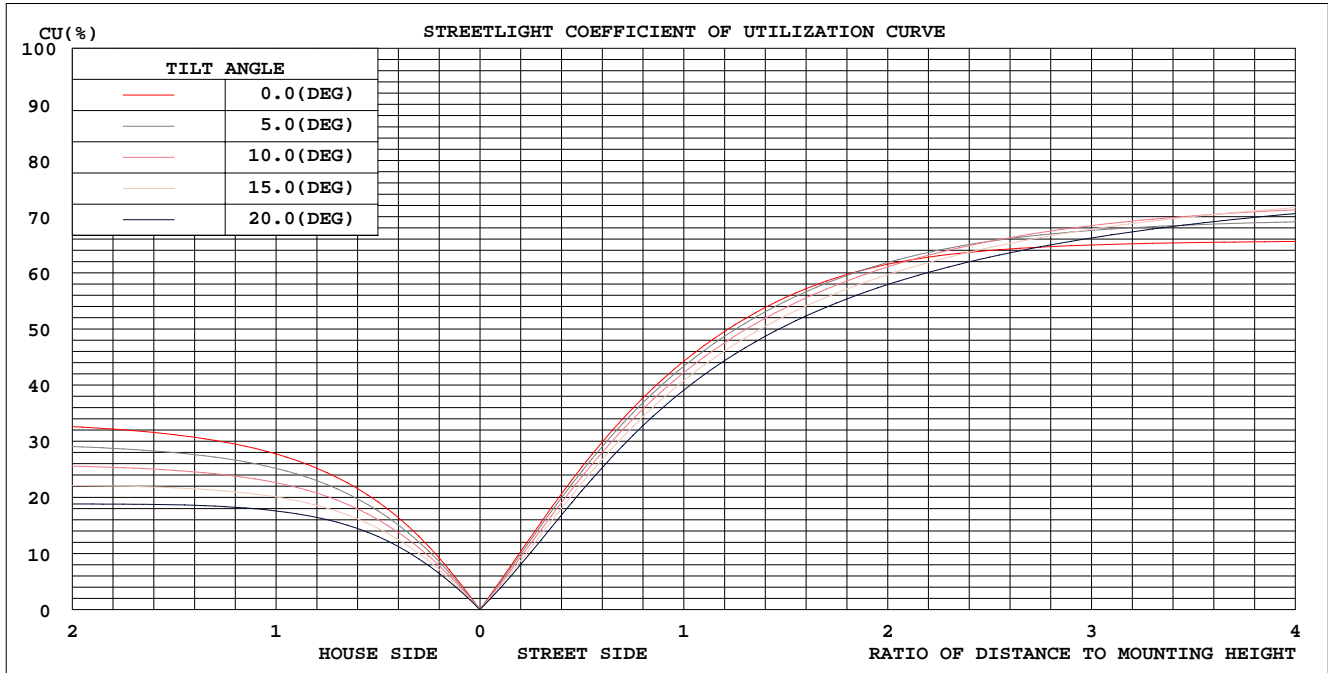
## Classification:

IES:Type III - Medium  
CIE:Broad - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:99.95cd/klm  
Max.At90:0cd/klm  
Max.80-90:99.95cd/klm  
NRB 5101:Limited[4.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4848
90%	4363
80%	3878
70%	3394
60%	2909
50%	2424
40%	1939
30%	1454
20%	970
10%	485
5%	242

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:

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:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

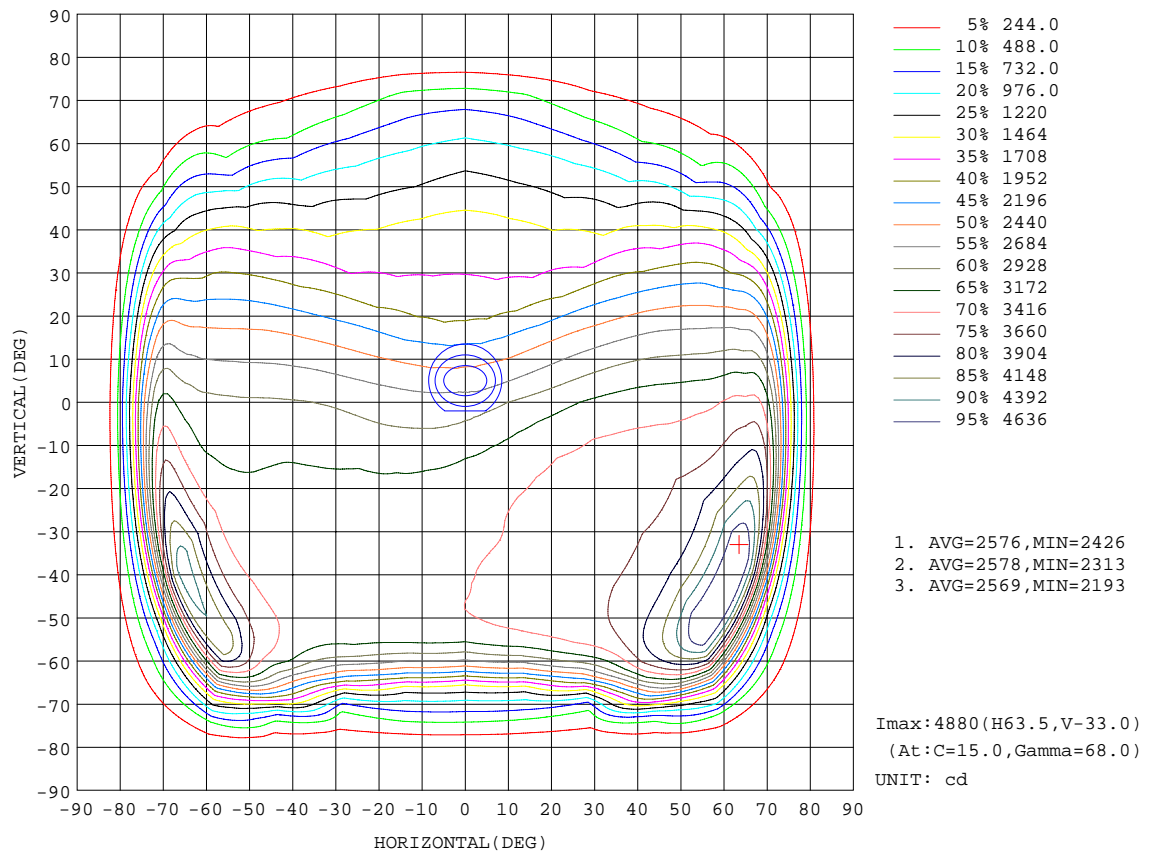
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2902	3088	3097	2980	2751	2467	2359	2554	0- 10	264.9	264.9	2.28,2.28
20	3055	3341	3273	3159	2803	2191	1916	2324	10- 20	784.2	1049	9.01,9.01
30	3182	3494	3340	3270	2874	1941	1701	2048	20- 30	1271	2321	19.9,19.9
40	3273	3570	3398	3312	2916	1677	1540	1738	30- 40	1704	4025	34.6,34.6
50	3313	3627	3399	3344	2931	1406	1307	1425	40- 50	2050	6075	52.2,52.2
60	3398	3761	2646	3389	2967	1000	1029	998.2	50- 60	2250	8325	71.5,71.5
70	3211	3337	890.4	2865	3221	425.9	645.7	408.5	60- 70	2133	10458	89.8,89.8
80	329.9	289.7	117.8	291.4	598.4	95.96	86.62	75.52	70- 80	1107	11565	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	74.44	11640	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11640	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11640	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11640	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11640	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11640	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11640	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11640	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11640	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11640	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

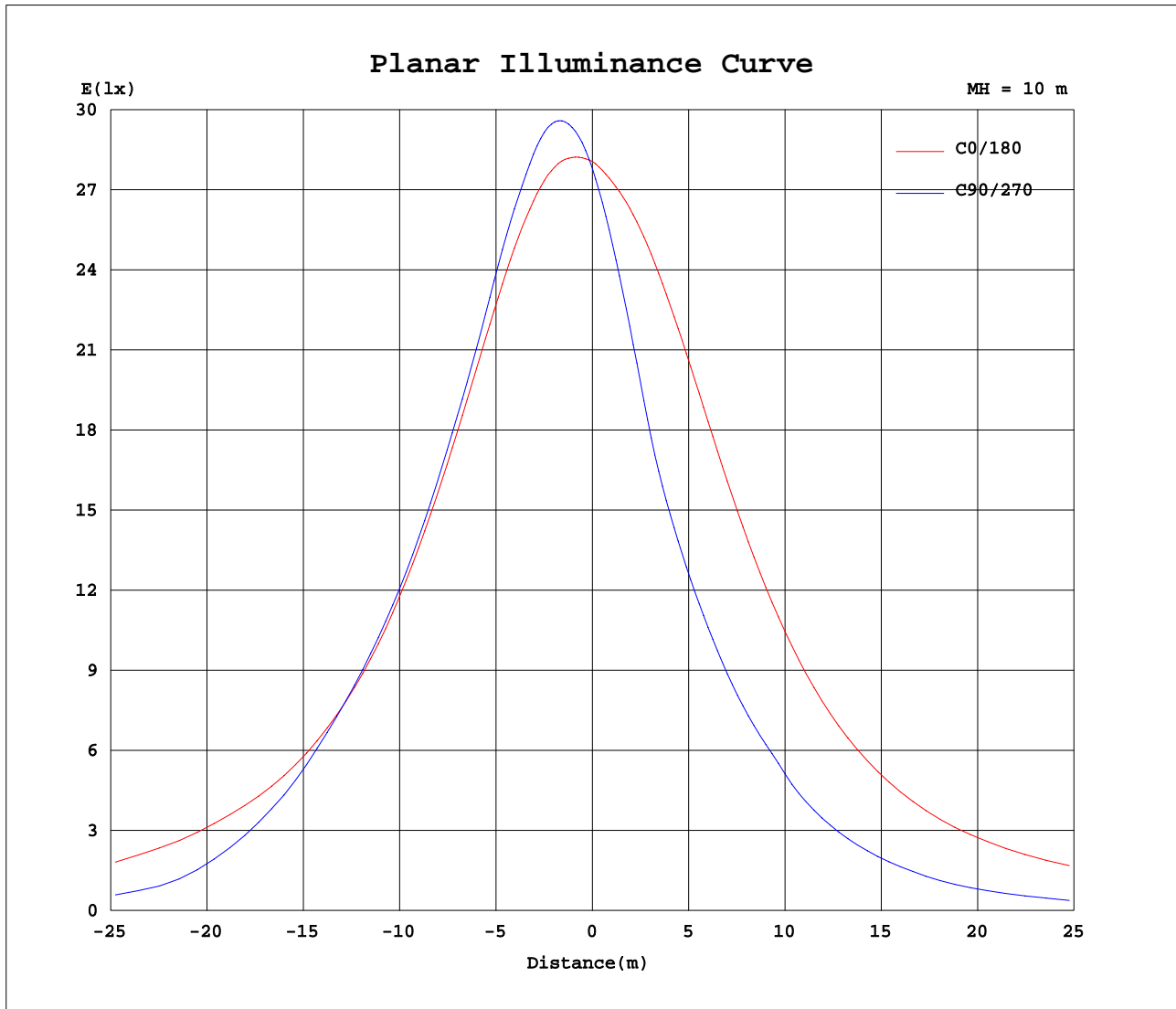
Test:U:219.3V I:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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



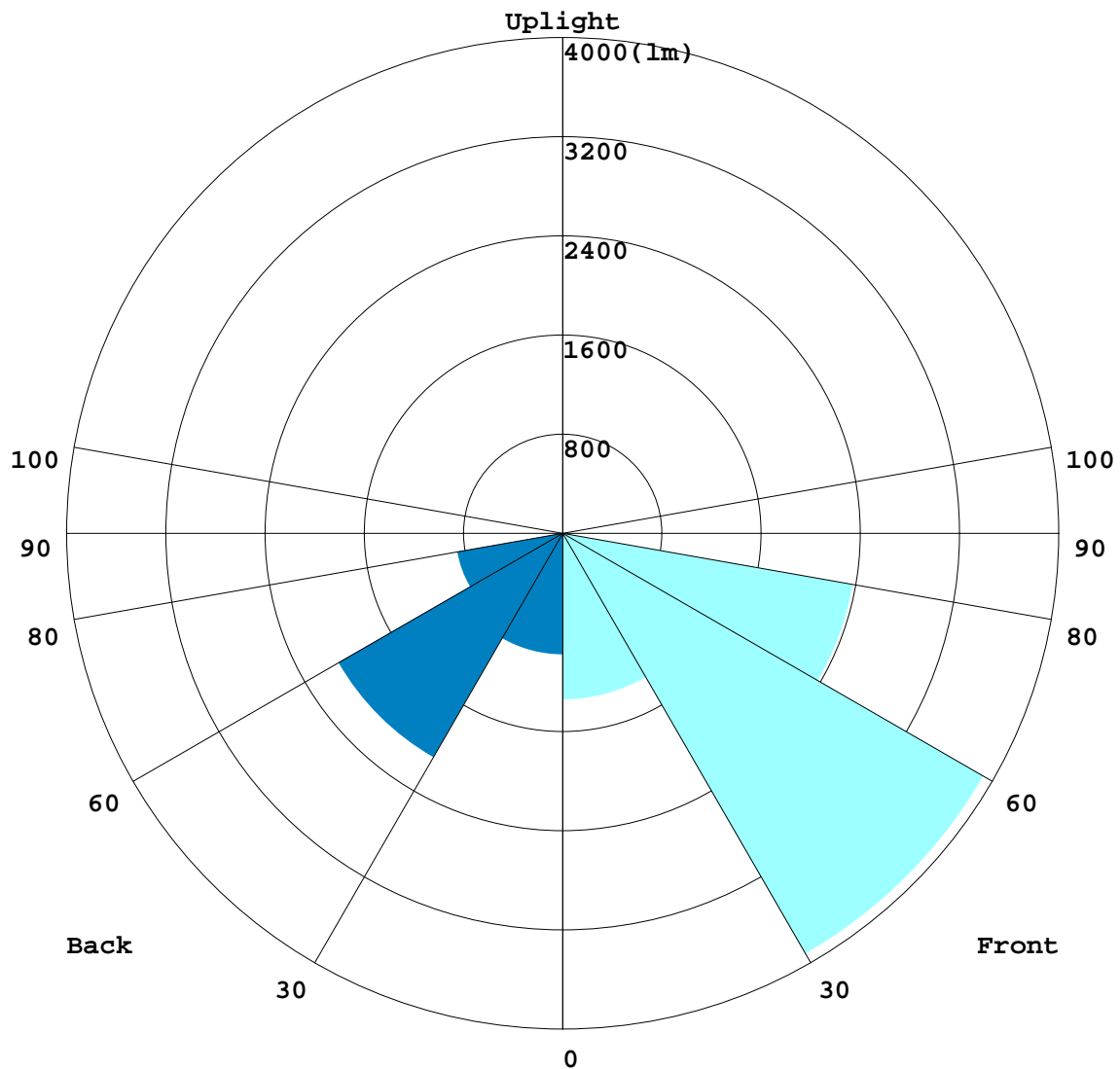
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-16

$\gamma$  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:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-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:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WILE-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)	1341.6	11.5
FM - Front-Medium(30-60)	3916.5	33.6
FH - Front-High(60-80)	2377.2	20.4
FVH - Front-Very High(80-90)	52.754	0.5
Total Forward Light	7688.1	66.1

BL - Back-Low(0-30)	978.91	8.4
BM - Back-Medium(30-60)	2087.8	17.9
BH - Back-High(60-80)	863.03	7.4
BVH - Back-Very High(80-90)	21.688	0.2
Total Back Light	3951.4	33.9

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	3951.4	0	3951.4
Street Side	7688.1	0	7688.1

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

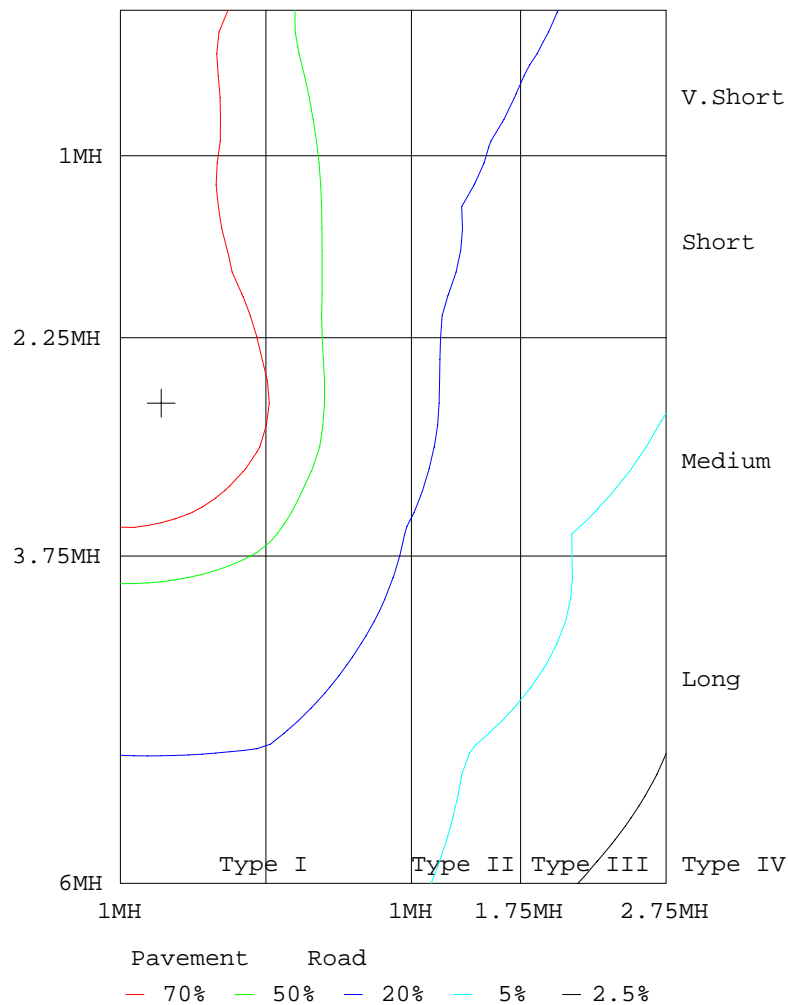
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-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:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-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	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779	2779
5	2827	2873	2909	2937	2950	2958	2952	2942	2913	2881	2841	2798	2748	2700	2657	2615	2590	2574	2578
10	2902	2988	3047	3088	3104	3110	3097	3075	3032	2980	2918	2841	2751	2655	2559	2467	2403	2358	2359
15	2979	3101	3179	3227	3237	3233	3209	3183	3134	3078	2997	2900	2773	2629	2477	2329	2210	2127	2119
20	3055	3207	3296	3341	3329	3311	3273	3247	3207	3159	3074	2959	2803	2613	2403	2191	2024	1926	1916
25	3122	3302	3399	3426	3404	3375	3326	3300	3259	3218	3145	3021	2841	2601	2331	2066	1882	1807	1794
30	3182	3384	3476	3494	3460	3403	3340	3319	3301	3270	3204	3082	2874	2588	2259	1941	1764	1711	1701
35	3232	3453	3534	3546	3489	3438	3373	3343	3318	3308	3247	3134	2897	2572	2170	1808	1654	1619	1614
40	3273	3510	3573	3570	3529	3470	3398	3370	3347	3312	3282	3178	2916	2537	2065	1677	1551	1534	1540
45	3297	3555	3602	3597	3547	3479	3410	3383	3359	3328	3299	3203	2928	2488	1946	1550	1438	1422	1447
50	3313	3612	3642	3627	3557	3475	3399	3392	3363	3344	3303	3218	2931	2413	1805	1406	1267	1247	1307
55	3339	3733	3731	3675	3548	3370	3220	3293	3346	3360	3322	3263	2944	2313	1629	1221	1091	1106	1185
60	3398	3985	3960	3761	3369	2881	2646	2805	3176	3389	3413	3391	2967	2172	1407	1000	922	954	1029
65	3442	4498	4449	3807	2675	1867	1570	1877	2544	3352	3662	3782	3056	1925	1108	731	707	780	853
70	3211	4736	4833	3337	1272	933	890	961	1263	2865	4233	4528	3221	1543	637	426	468	599	646
75	1628	2256	3209	1828	379	391	418	441	411	1678	3549	3100	2217	872	298	250	260	333	339
80	330	491	824	290	132	114	118	119	133	291	1163	724	598	176	108	96.0	104	98.6	86.6
85	36.9	52.7	88.3	42.0	29.3	28.7	27.0	31.1	34.1	49.9	134	88.6	63.9	32.8	24.7	21.3	21.6	19.9	19.4
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:0.3766A P:80.78W PF:0.9781 Freq:50.01Hz Lamp Flux:11639.6x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-80WiLE-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	2779	2779	2779	2779	2779													
5	2591	2625	2665	2720	2774													
10	2386	2458	2554	2674	2793													
15	2161	2280	2439	2630	2816													
20	1957	2103	2324	2588	2839													
25	1811	1928	2193	2538	2861													
30	1700	1779	2048	2471	2872													
35	1606	1653	1896	2377	2867													
40	1528	1546	1738	2262	2838													
45	1431	1444	1583	2123	2785													
50	1280	1274	1425	1943	2691													
55	1135	1122	1220	1721	2560													
60	968	944	998	1450	2366													
65	776	695	682	1039	2033													
70	573	432	408	532	1479													
75	300	228	217	254	615													
80	79.0	82.4	75.5	86.3	121													
85	17.8	17.5	16.1	18.3	24.5													
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: