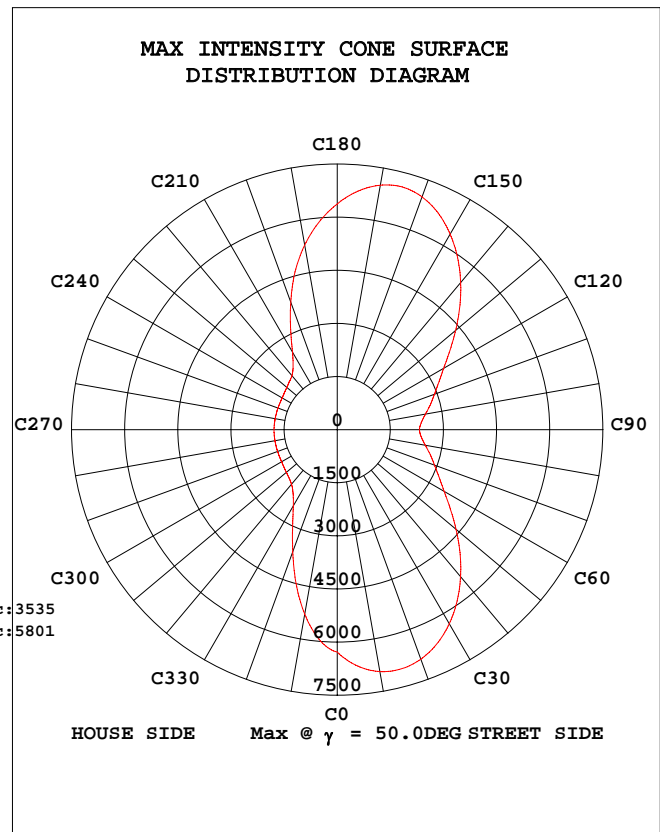
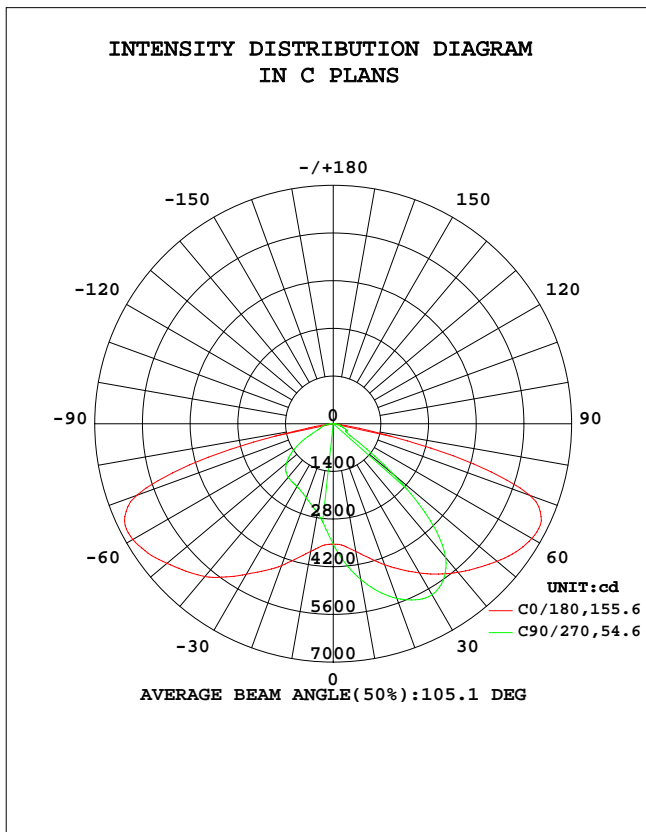


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 195.05 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	7096	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	63.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	15696	η house_up(%)	0.0
NOMINAL FLUX(lm)	15696.4	MAXIMUM @(C,γ )	165,50.0	η house_down(%)	36.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	100.0	SLI	21.056

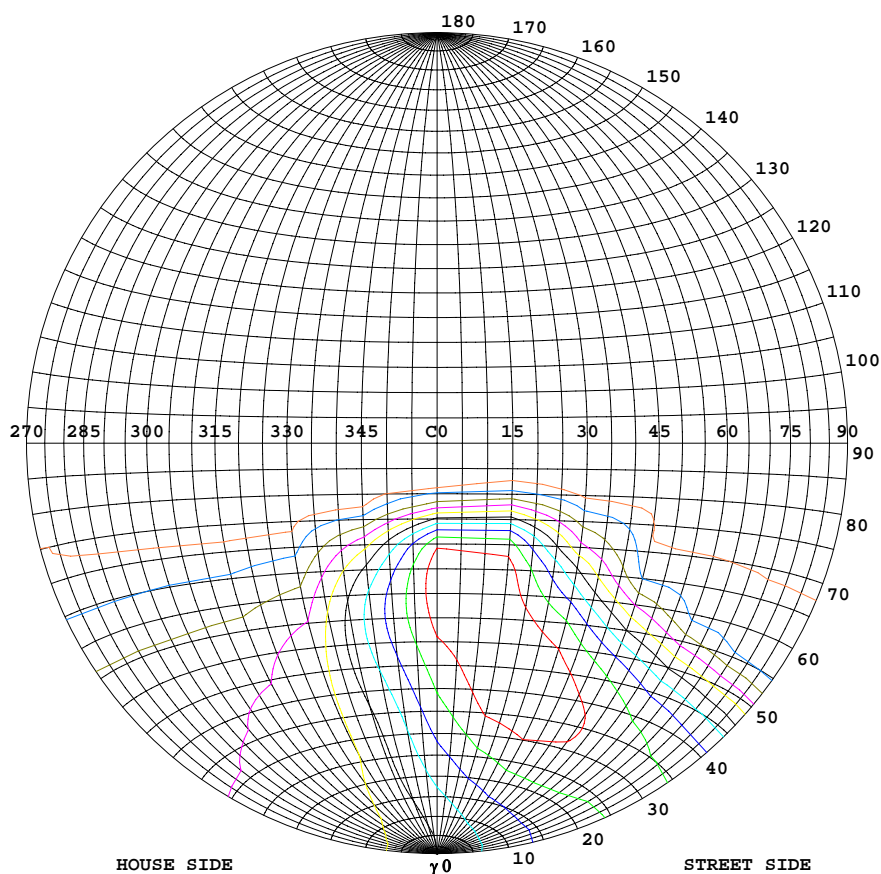


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-11

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:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:



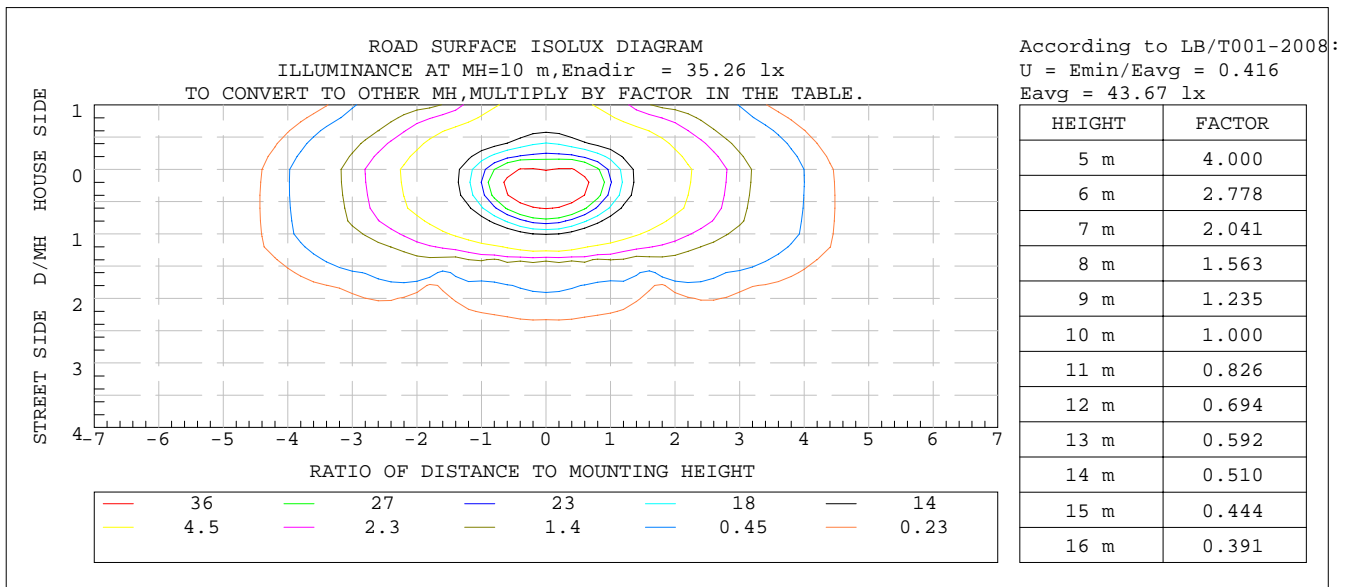
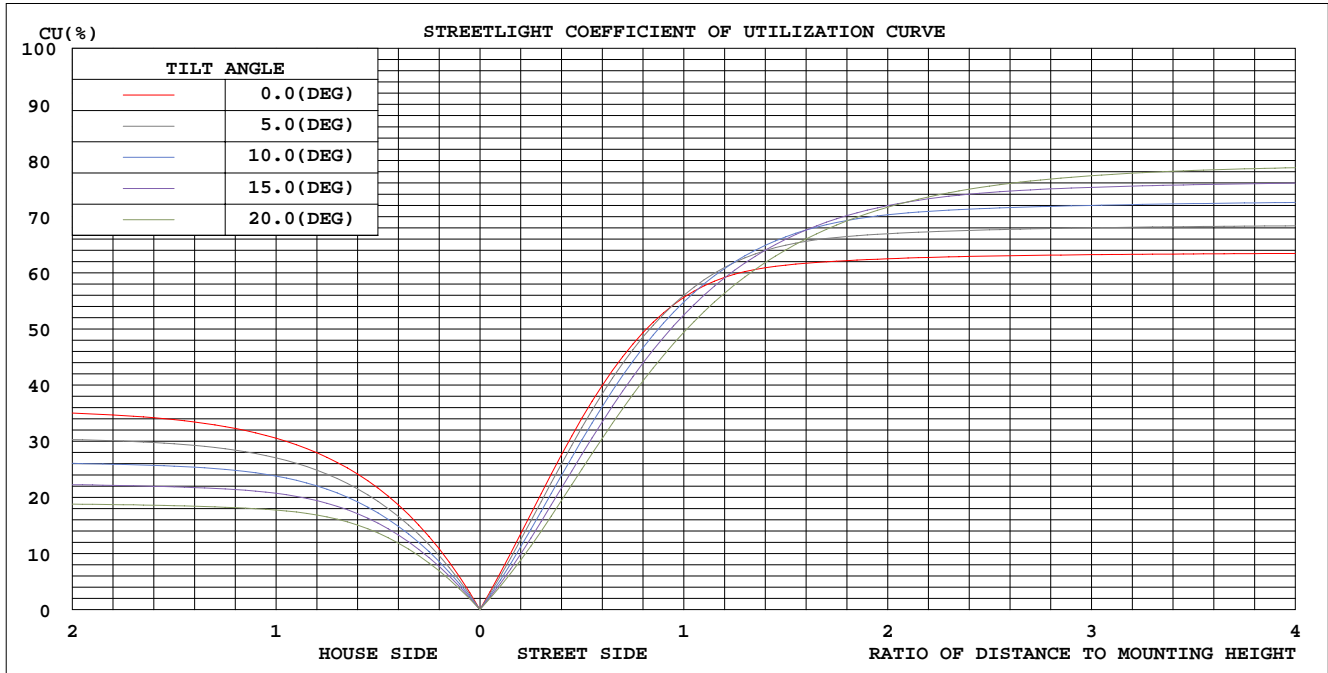
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:69.82cd/klm  
Max.At90:0cd/klm  
Max.80-90:69.82cd/klm  
NRB 5101:Semi limited[21.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7096
90%	6386
80%	5677
70%	4967
60%	4257
50%	3548
40%	2838
30%	2129
20%	1419
10%	710
5%	355

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-11

$\gamma$  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: 2024-9-11

$\gamma$  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:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

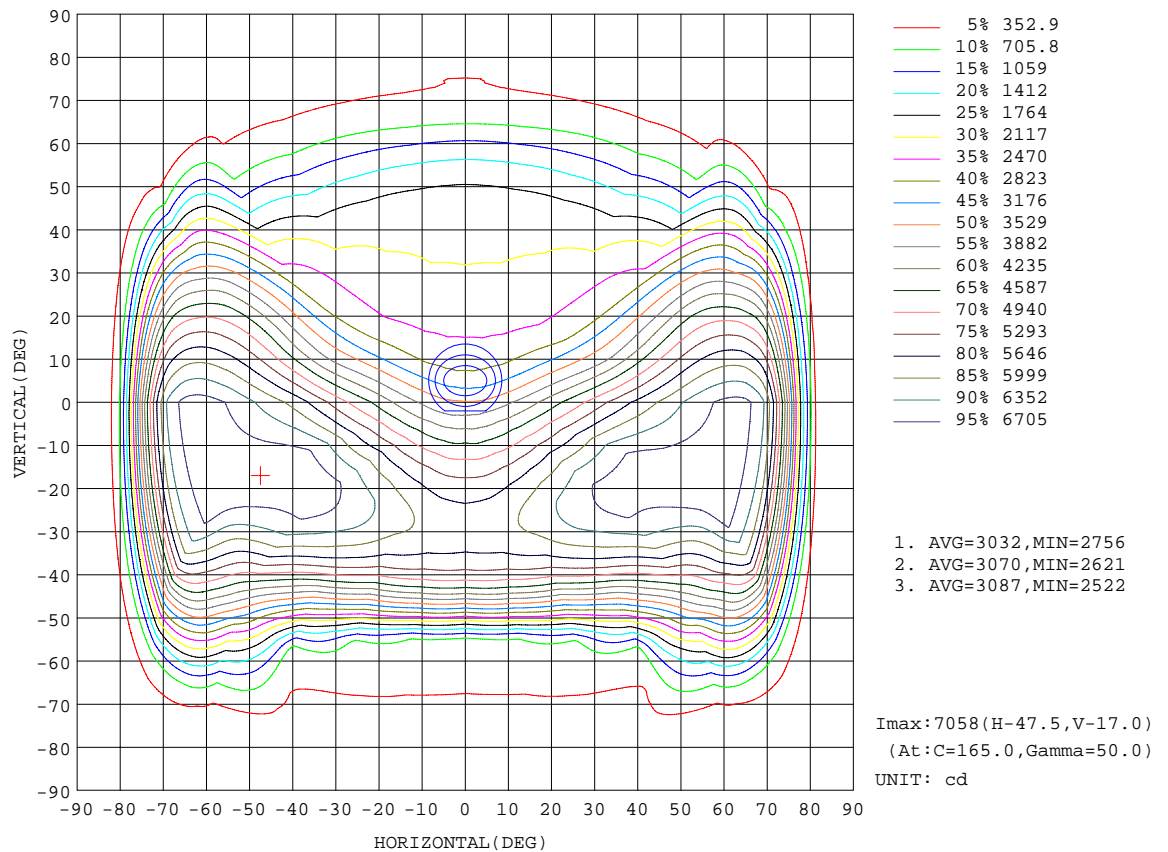
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	3806	4470	4638	4493	3805	2925	2666	2926	0- 10	346.1	346.1	2.2,2.2
20	4403	5489	5455	5548	4430	2610	2318	2593	10- 20	1114	1460	9.3,9.3
30	5058	6309	5795	6368	5103	2415	2132	2395	20- 30	1987	3446	22,22
40	5693	6256	5134	6292	5858	2247	2054	2234	30- 40	2816	6262	39.9,39.9
50	6280	4901	2321	4893	6375	1919	1786	1929	40- 50	3243	9506	60.6,60.6
60	6736	2101	424.8	2029	6793	1211	1114	1224	50- 60	2858	12363	78.8,78.8
70	6144	377.0	297.5	385.4	6132	434.8	424.1	434.4	60- 70	2167	14530	92.6,92.6
80	782.3	228.6	143.4	221.7	726.4	197.6	231.1	198.8	70- 80	1052	15582	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	113.9	15696	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15696	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15696	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15696	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15696	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15696	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15696	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15696	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15696	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15696	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:2024-9-11

$\gamma$  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

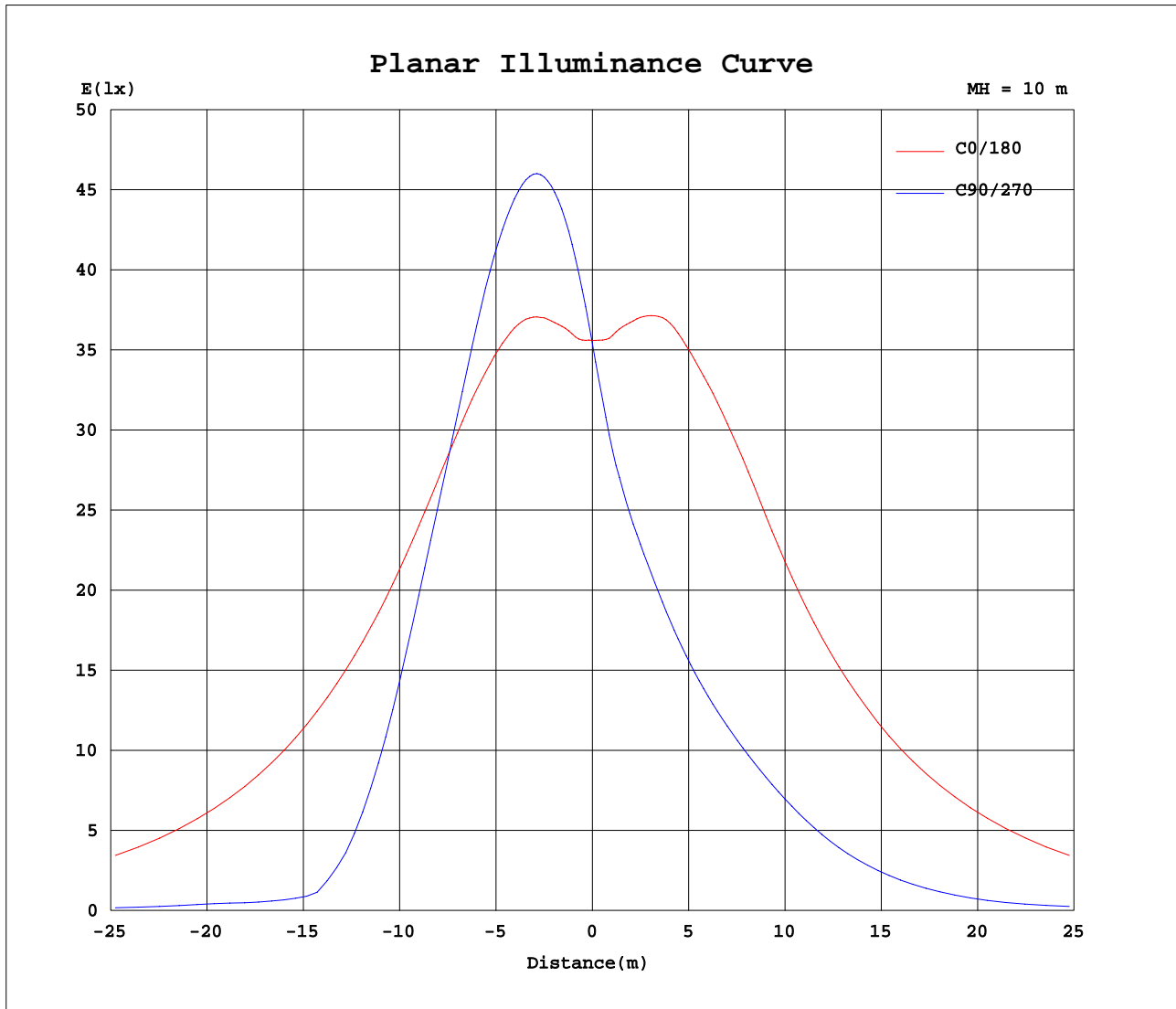
Test:U:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-11

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



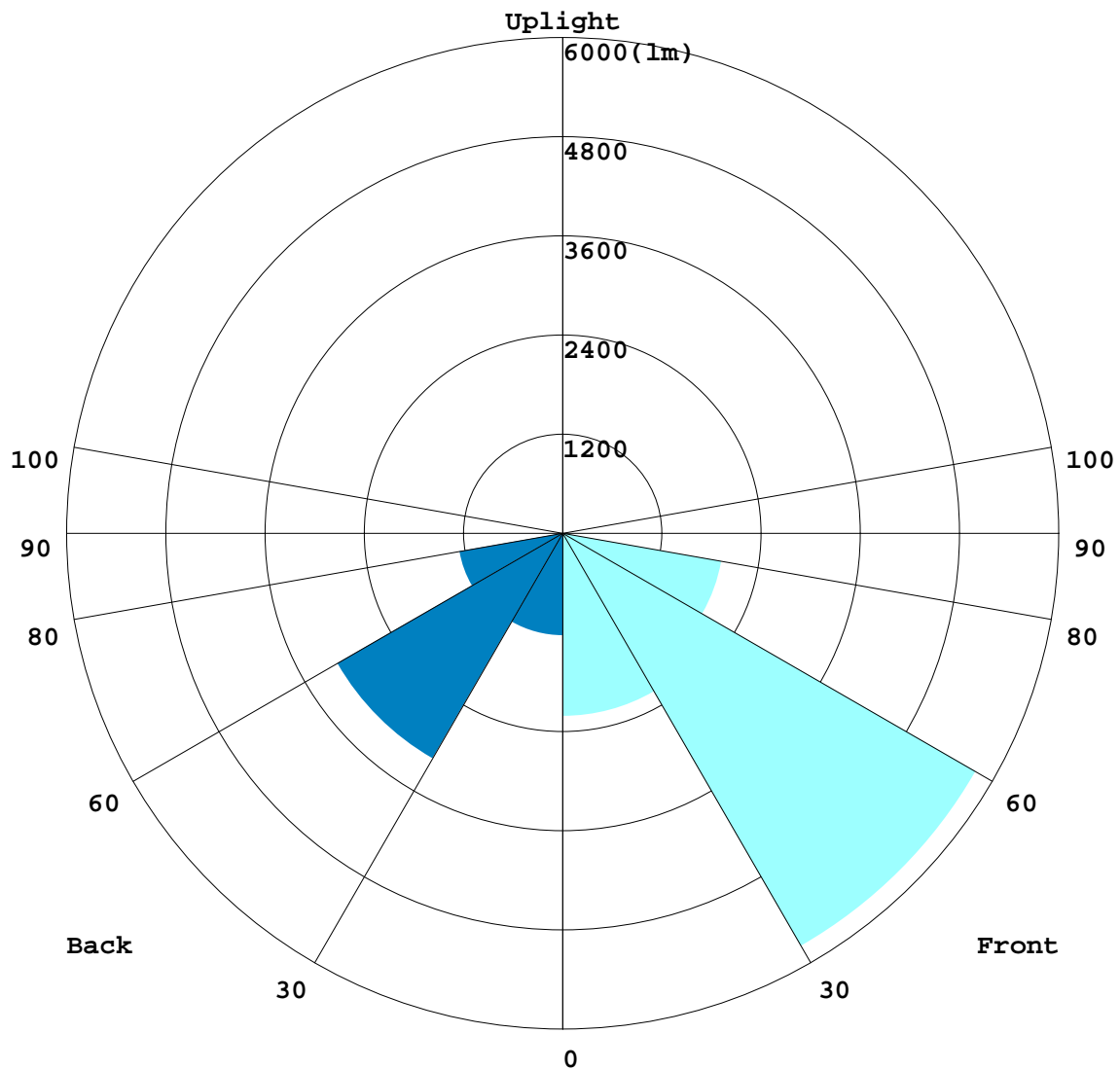
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-11

$\gamma$  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:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	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:2024-9-11

$\gamma$  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:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2211.3	14.1
FM - Front-Medium(30-60)	5768.7	36.8
FH - Front-High(60-80)	1950.7	12.4
FVH - Front-Very High(80-90)	62.265	0.4
Total Forward Light	9992.9	63.7

BL - Back-Low(0-30)	1235	7.9
BM - Back-Medium(30-60)	3148.4	20.1
BH - Back-High(60-80)	1268.4	8.1
BVH - Back-Very High(80-90)	51.656	0.3
Total Back Light	5703.5	36.3

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5703.5	0	5703.5
Street Side	9992.9	0	9992.9

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-9-11

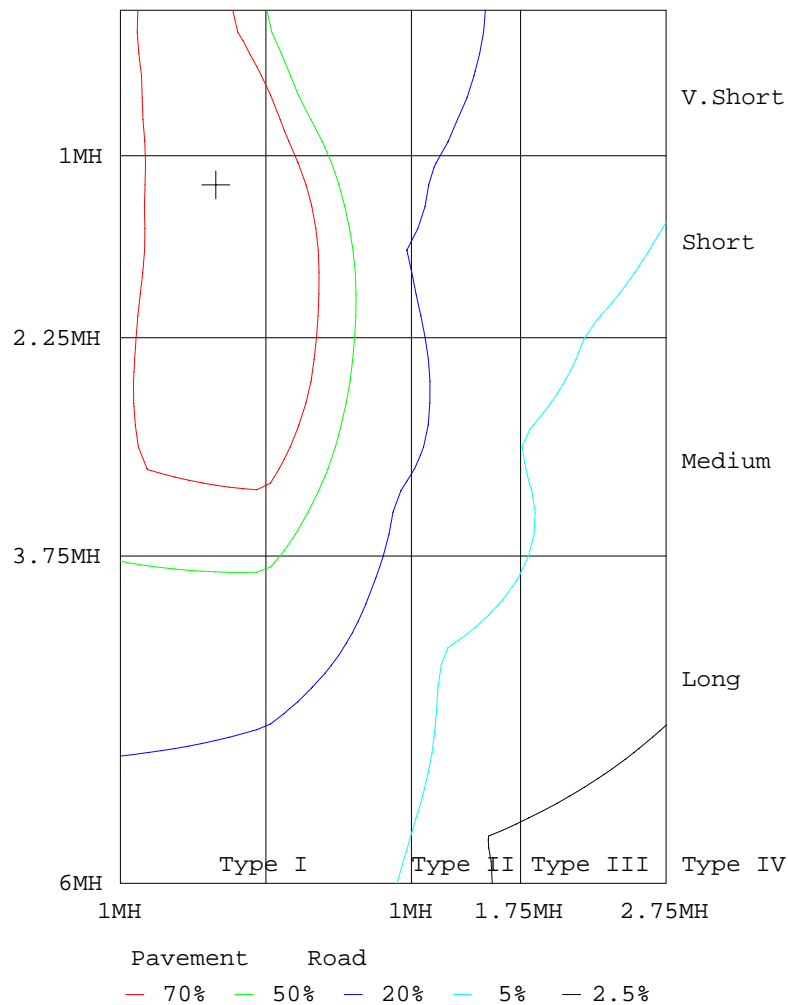
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-11

$\gamma$  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:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	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	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535	3535
5	3597	3740	3867	3968	4040	4097	4114	4105	4050	3974	3875	3741	3589	3446	3302	3181	3083	3022	3001
10	3806	4086	4313	4470	4557	4609	4638	4623	4571	4493	4339	4102	3805	3500	3181	2925	2771	2692	2666
15	4080	4498	4804	4977	5058	5083	5091	5103	5089	5019	4848	4536	4088	3604	3093	2754	2573	2497	2467
20	4403	4963	5331	5489	5503	5480	5455	5498	5544	5548	5401	5025	4430	3726	3014	2610	2432	2352	2318
25	4725	5442	5861	5961	5864	5764	5705	5783	5898	6025	5945	5515	4758	3818	2917	2502	2314	2235	2204
30	5058	5948	6340	6309	6051	5866	5795	5893	6091	6368	6424	6057	5103	3871	2855	2415	2225	2155	2132
35	5386	6414	6684	6436	5949	5709	5622	5732	5970	6483	6789	6565	5493	3977	2821	2340	2154	2110	2094
40	5693	6727	6824	6256	5565	5267	5134	5276	5571	6292	6933	6890	5858	4183	2789	2247	2094	2063	2054
45	5986	6905	6686	5782	4805	4321	4043	4317	4791	5803	6776	7050	6120	4431	2710	2122	1987	1967	1968
50	6280	6992	6327	4901	3487	2721	2321	2723	3470	4893	6375	7096	6375	4612	2527	1919	1797	1782	1786
55	6553	6963	5734	3561	1831	895	606	890	1805	3528	5728	7031	6634	4627	2187	1609	1505	1492	1500
60	6736	6829	4794	2101	556	453	425	453	545	2029	4731	6883	6793	4409	1686	1211	1132	1102	1114
65	6740	6680	3742	701	431	447	411	453	435	676	3669	6692	6763	3805	1086	769	719	667	667
70	6144	5960	2352	377	367	320	298	324	367	385	2360	5972	6132	2706	555	435	407	406	424
75	3648	3821	1172	357	231	205	219	208	230	368	1132	3866	3799	1014	307	286	312	346	357
80	782	953	307	229	143	148	143	154	148	222	311	1096	726	180	167	198	229	237	231
85	104	125	125	66.9	54.6	54.3	50.9	55.3	58.1	68.7	132	128	109	53.5	69.2	78.3	89.1	89.6	90.5
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:2024-9-11

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:55.50V I:1.450A P:80.47W PF:1.000 Freq:49.99Hz Lamp Flux:15696.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-80WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	3535	3535	3535	3535	3535													
5	3022	3079	3179	3300	3445													
10	2694	2774	2926	3178	3494													
15	2495	2568	2747	3079	3591													
20	2347	2419	2593	2985	3690													
25	2230	2302	2480	2871	3753													
30	2157	2219	2395	2814	3801													
35	2112	2152	2321	2785	3898													
40	2068	2099	2234	2745	4088													
45	1974	1997	2120	2660	4310													
50	1790	1814	1929	2483	4502													
55	1502	1521	1629	2168	4572													
60	1116	1146	1224	1690	4360													
65	679	733	781	1095	3743													
70	410	410	434	538	2625													
75	343	313	282	287	953													
80	247	223	199	162	166													
85	92.7	92.4	80.9	69.0	52.5													
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:2024-9-11

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: