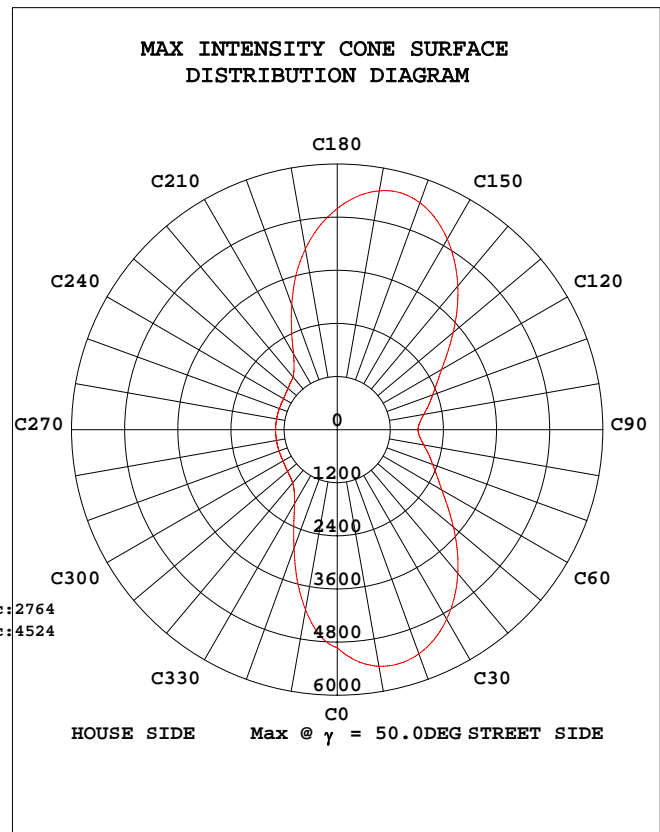
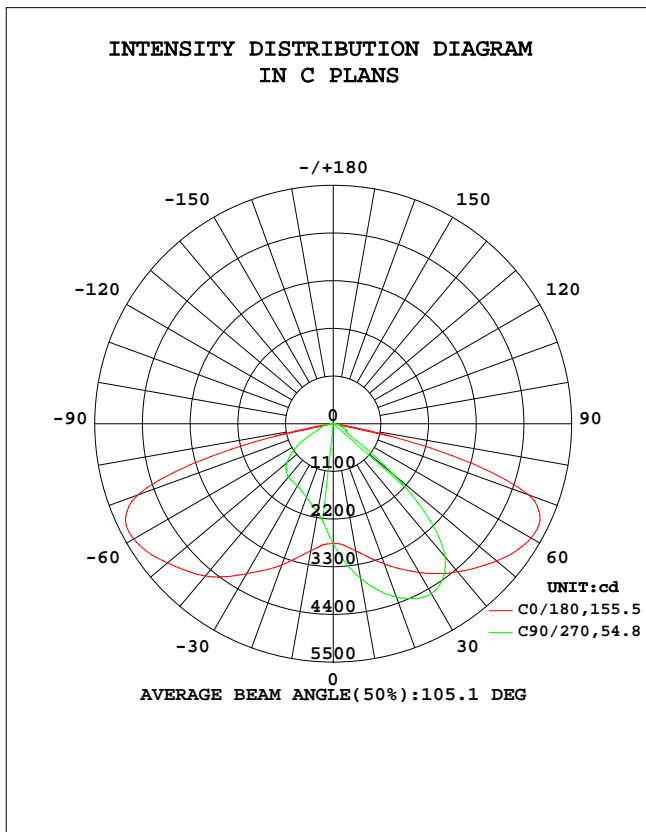


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 203.31 lm/W			
MODEL	5050	Imax(cd)	5539	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	$\eta$ street_down(%)	63.7
RATED VOLTAGE(V)		TOTAL FLUX(lm)	12255	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	12255.4	MAXIMUM @(C, $\gamma$ )	165,50.0	$\eta$ house_down(%)	36.3
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		$\eta$ down(%)	100.0	SLI	20.379

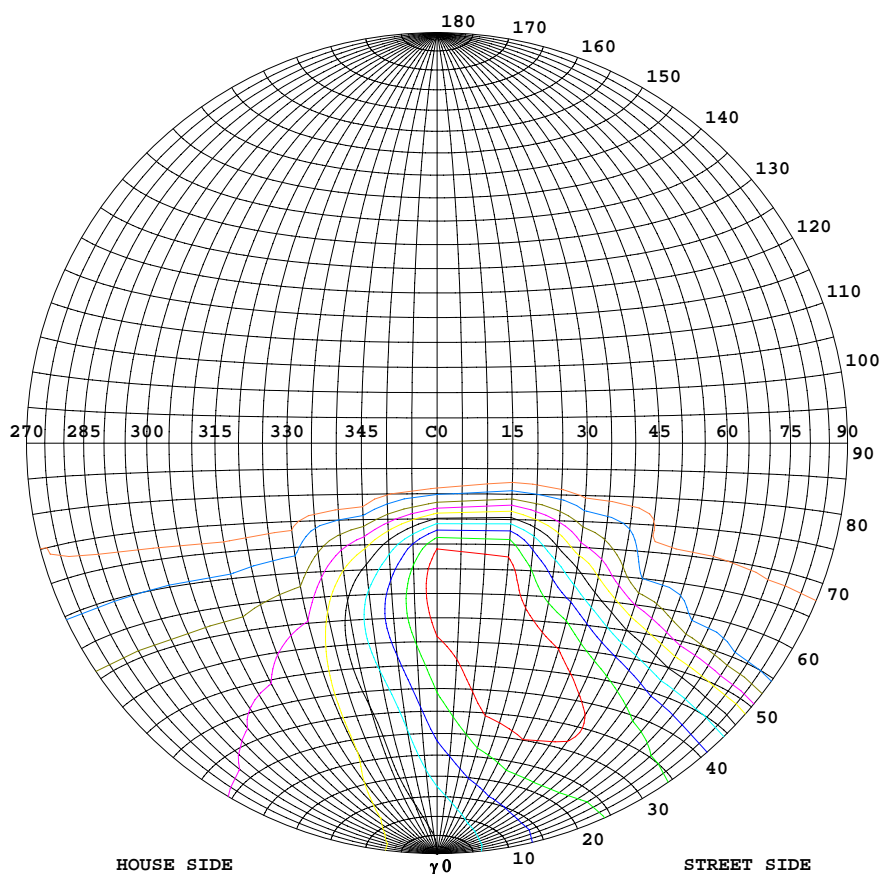


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-11

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:



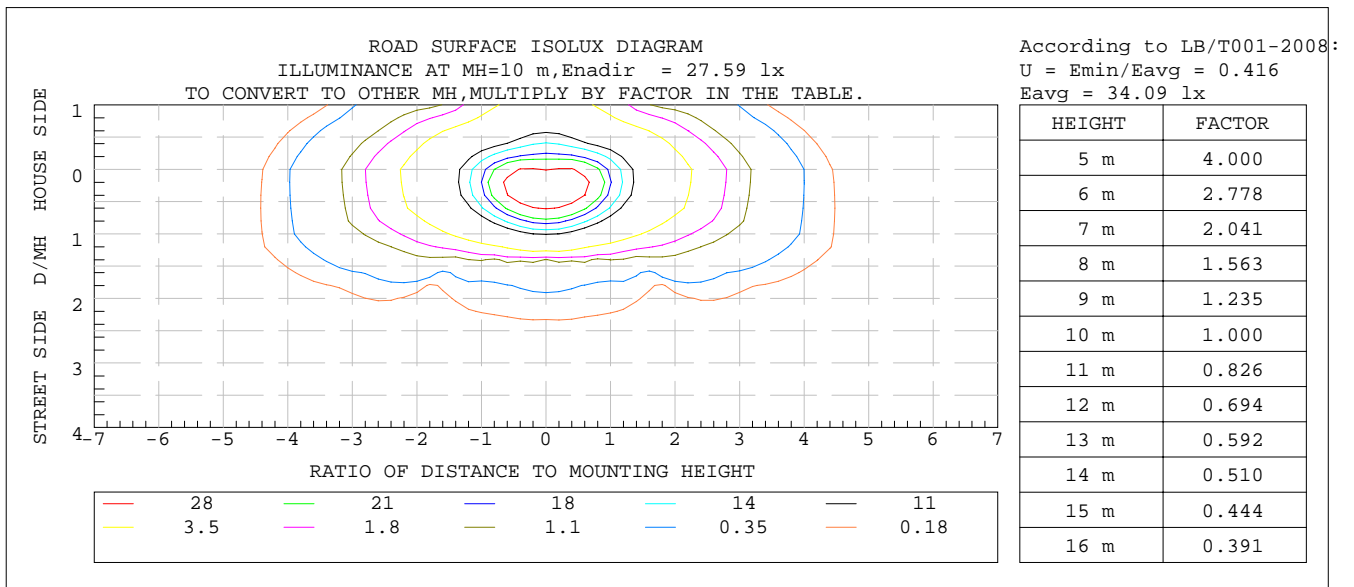
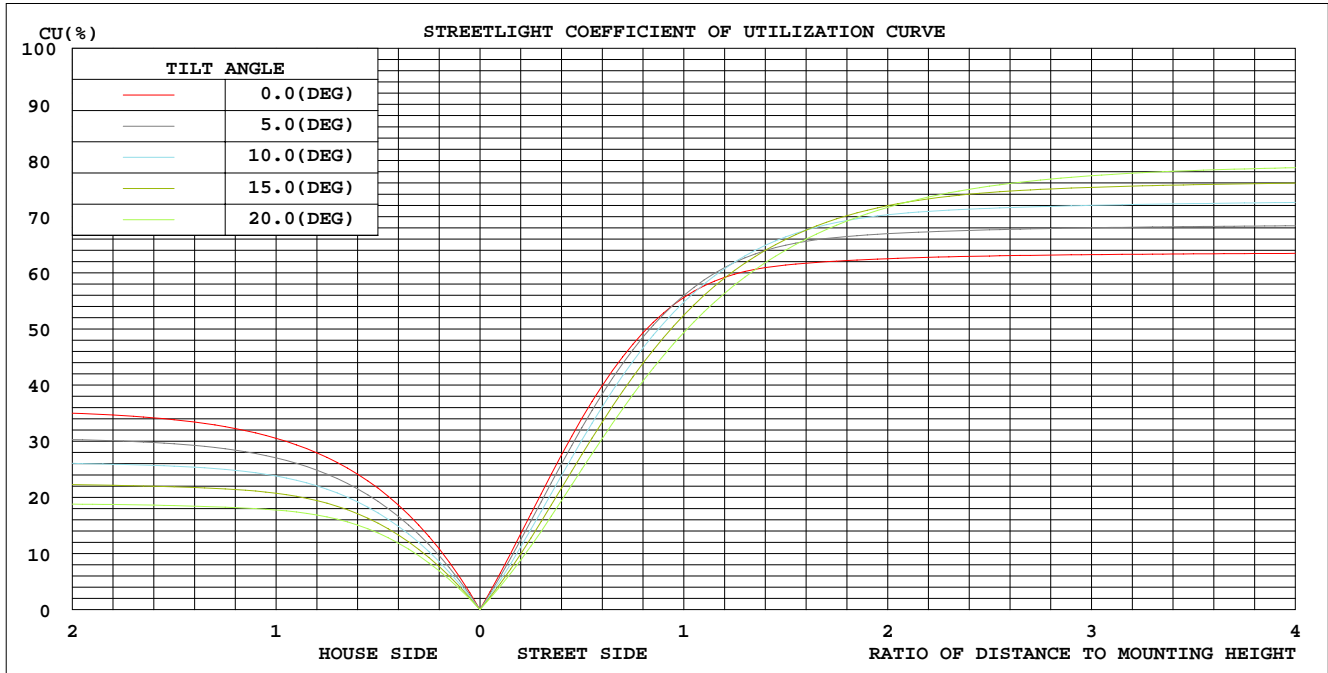
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:70.97cd/klm  
Max.At90:0cd/klm  
Max.80-90:70.97cd/klm  
NRB 5101:Semi limited[21.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5539
90%	4985
80%	4431
70%	3877
60%	3324
50%	2770
40%	2216
30%	1662
20%	1108
10%	554
5%	277

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:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

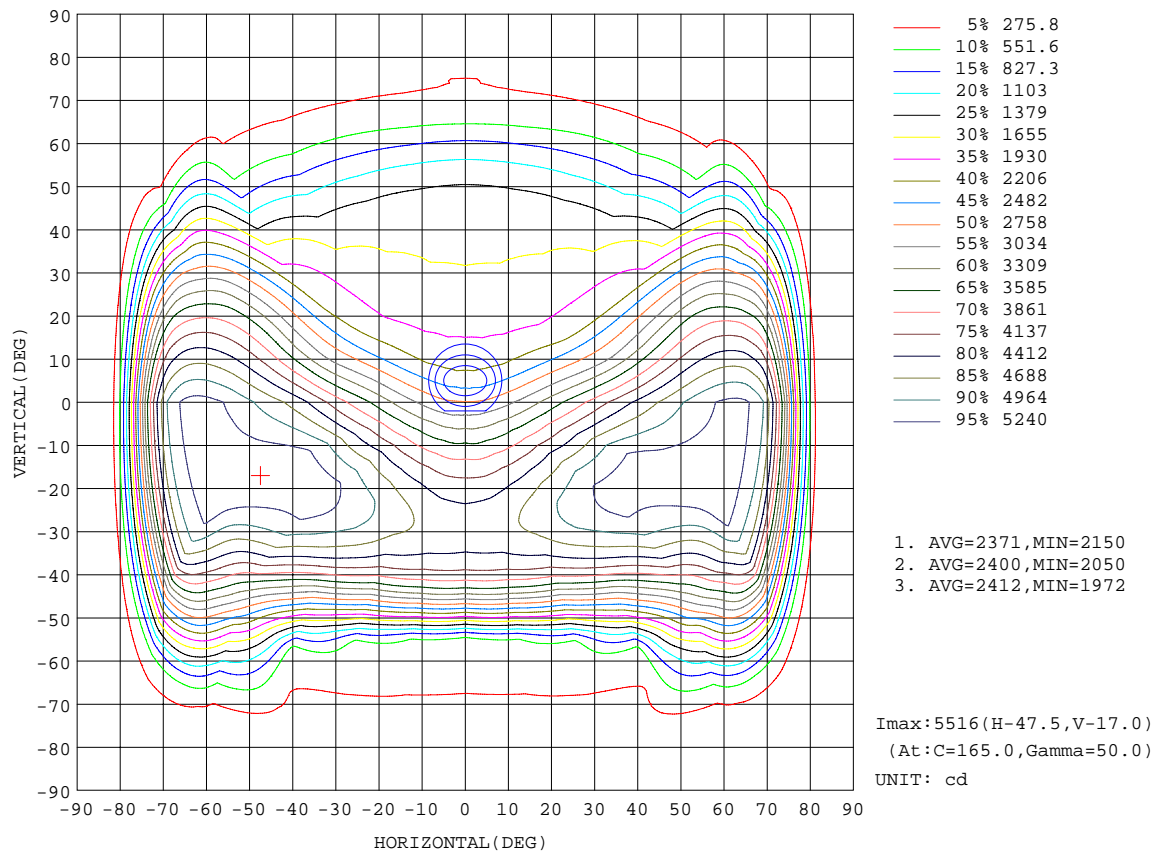
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2974	3493	3618	3507	2974	2288	2082	2288	0- 10	270.4	270.4	2.21,2.21
20	3446	4290	4257	4328	3465	2041	1809	2024	10- 20	869.8	1140	9.3,9.3
30	3958	4932	4522	4972	3994	1890	1662	1870	20- 30	1551	2691	22,22
40	4460	4890	4010	4913	4587	1758	1602	1743	30- 40	2199	4891	39.9,39.9
50	4923	3834	1822	3828	4993	1501	1393	1507	40- 50	2534	7424	60.6,60.6
60	5268	1648	330.8	1595	5318	946.8	869.2	959.6	50- 60	2233	9657	78.8,78.8
70	4790	295.3	231.5	300.8	4790	340.5	330.7	339.7	60- 70	1692	11349	92.6,92.6
80	502.9	180.7	112.1	172.7	564.7	154.7	188.4	154.7	70- 80	818.9	12168	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	87.51	12255	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12255	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12255	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12255	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12255	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12255	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12255	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12255	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12255	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12255	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  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

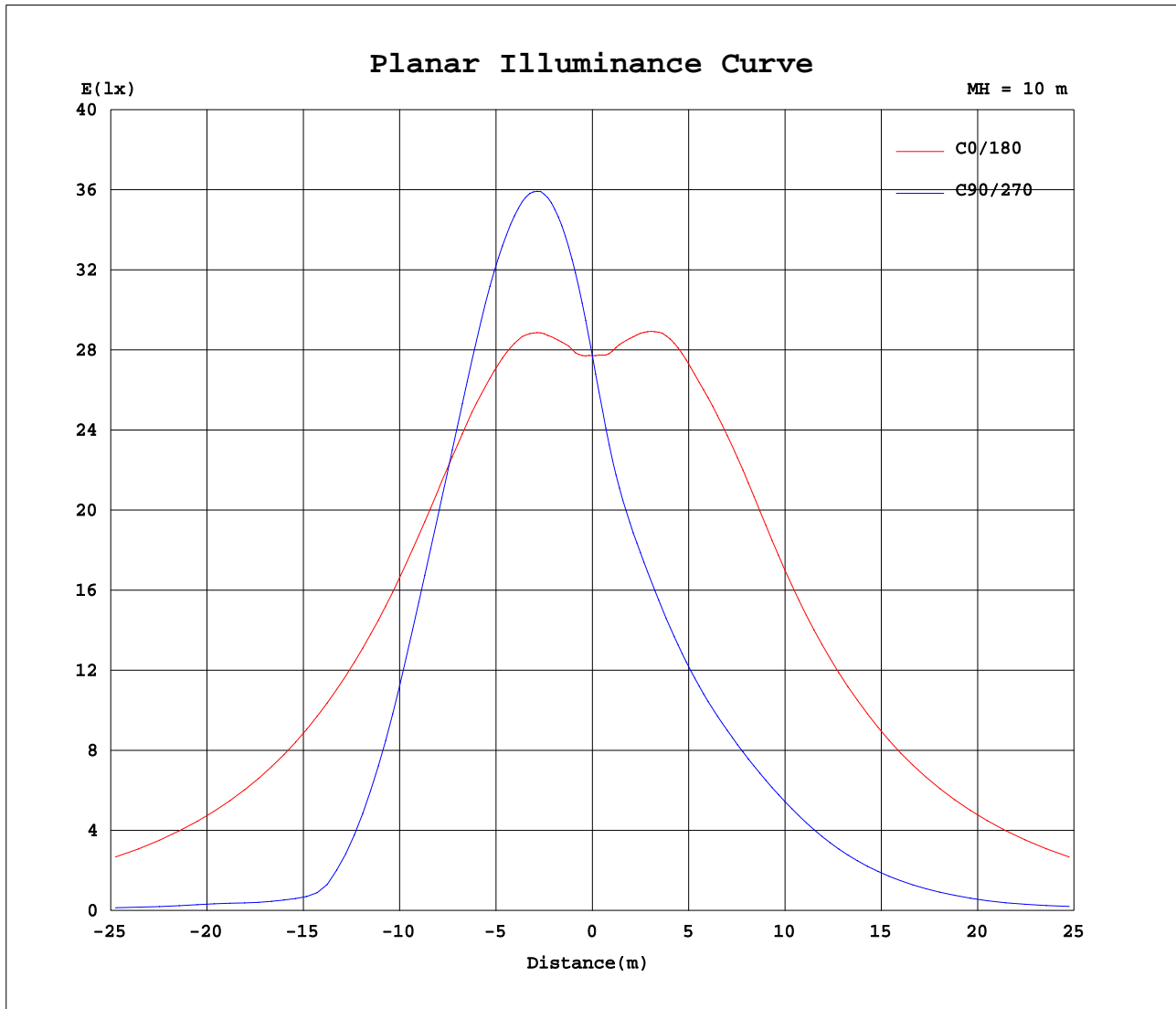
Test:U:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:



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

$\gamma$  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



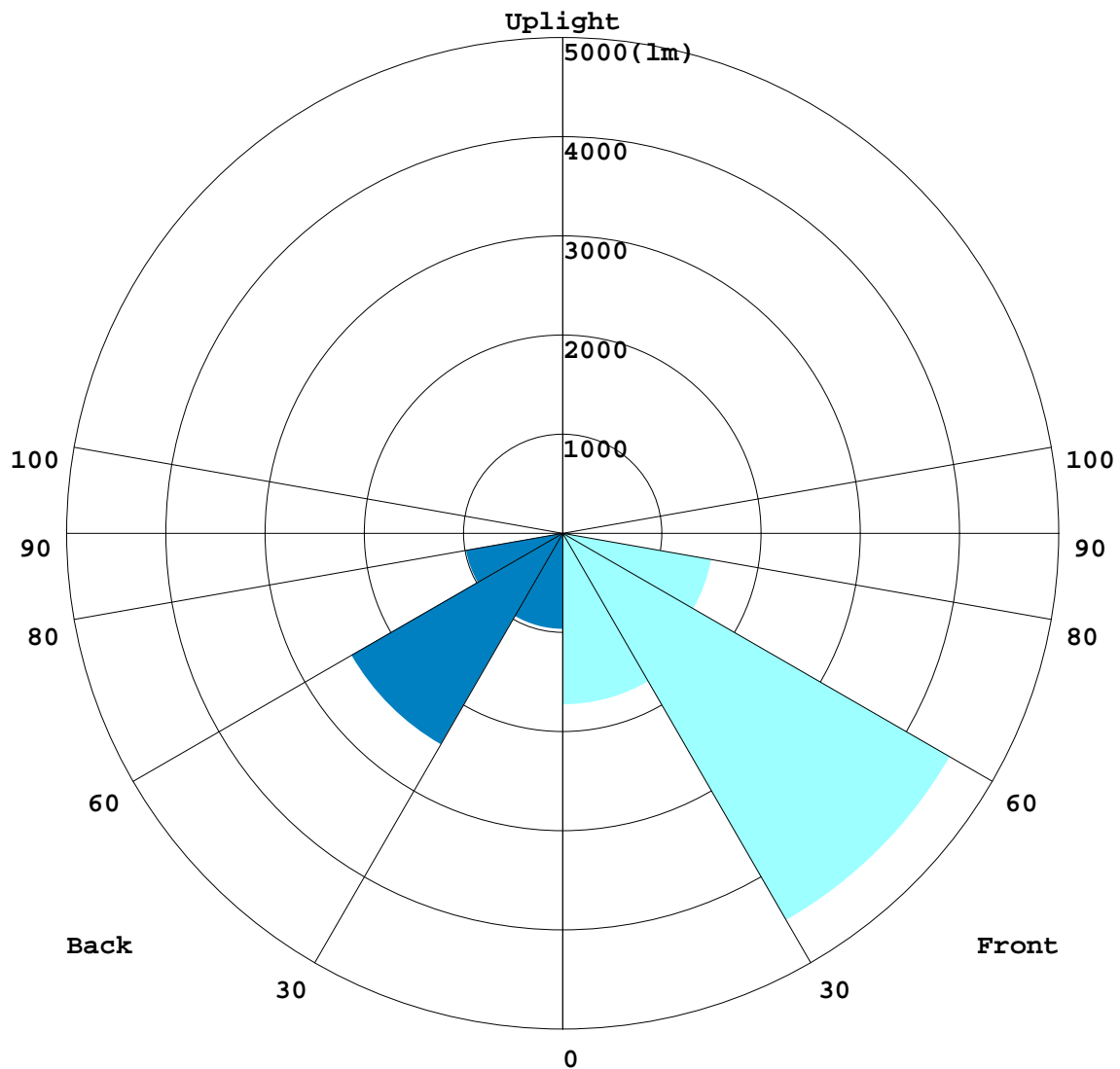
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-11

$\gamma$  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:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-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:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-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)	1726.5	14.1
FM - Front-Medium(30-60)	4507.3	36.8
FH - Front-High(60-80)	1521	12.4
FVH - Front-Very High(80-90)	47.904	0.4
Total Forward Light	7802.8	63.7

BL - Back-Low(0-30)	964.74	7.9
BM - Back-Medium(30-60)	2458.5	20.1
BH - Back-High(60-80)	989.79	8.1
BVH - Back-Very High(80-90)	39.605	0.3
Total Back Light	4452.6	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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4452.6	0	4452.6
Street Side	7802.8	0	7802.8

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

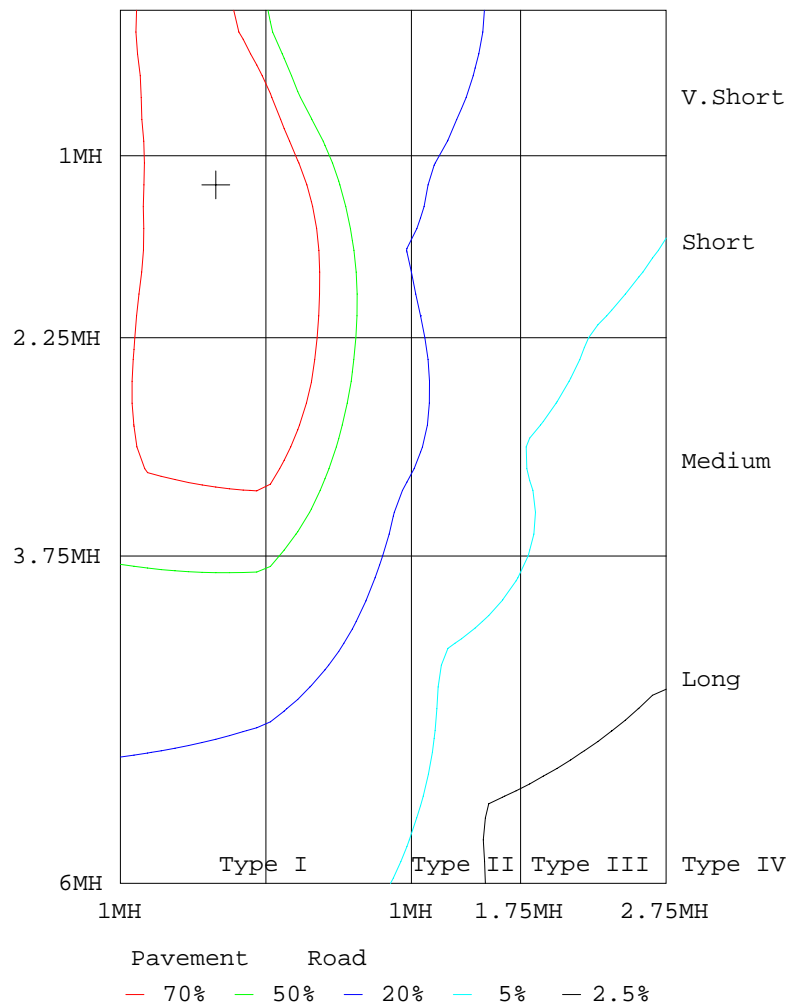
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-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:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	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	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764	2764
5	2811	2925	3018	3102	3152	3202	3214	3207	3165	3107	3019	2924	2806	2693	2582	2488	2410	2362	2346
10	2974	3194	3372	3493	3558	3602	3618	3611	3572	3507	3379	3205	2974	2735	2487	2288	2161	2105	2082
15	3193	3517	3751	3891	3946	3967	3974	3981	3971	3917	3776	3545	3195	2816	2418	2153	2008	1952	1927
20	3446	3883	4164	4290	4291	4282	4257	4293	4329	4328	4203	3923	3465	2912	2357	2041	1898	1837	1809
25	3697	4261	4577	4660	4571	4499	4448	4510	4603	4702	4626	4305	3726	2986	2280	1958	1805	1746	1719
30	3958	4655	4954	4932	4720	4585	4522	4602	4753	4972	4997	4725	3994	3028	2235	1890	1736	1683	1662
35	4217	5017	5219	5032	4644	4461	4388	4477	4659	5063	5282	5120	4305	3112	2209	1830	1681	1650	1634
40	4460	5267	5328	4890	4344	4121	4010	4125	4350	4913	5398	5373	4587	3275	2182	1758	1634	1611	1602
45	4690	5401	5223	4521	3751	3383	3165	3380	3749	4536	5278	5502	4793	3467	2122	1659	1550	1538	1535
50	4923	5466	4944	3834	2729	2139	1822	2138	2723	3828	4971	5539	4993	3612	1976	1501	1403	1392	1393
55	5130	5444	4478	2793	1436	703	474	703	1422	2768	4465	5491	5193	3622	1709	1254	1174	1167	1170
60	5268	5340	3742	1648	435	354	331	353	428	1595	3693	5374	5318	3449	1316	947	882	862	869
65	5264	5225	2925	550	336	349	320	353	339	535	2867	5229	5289	2979	845	602	559	520	520
70	4790	4656	1838	295	286	246	232	250	286	301	1852	4673	4790	2121	433	341	317	316	331
75	2838	2941	908	279	180	160	170	161	179	287	875	3024	2924	808	240	223	242	269	278
80	503	733	240	181	111	116	112	120	112	173	246	870	565	140	131	155	178	184	188
85	82.3	97.4	96.6	52.5	42.5	42.4	39.8	43.1	45.6	53.6	102	100	85.8	42.0	53.8	60.8	68.8	69.5	69.7
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:54.80V I:1.100A P:60.28W PF:1.000 Freq:49.99Hz Lamp Flux:12255.4x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AoK-60WsAA-DC-A5-00-3570-T203-P	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:230*70*3mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2764	2764	2764	2764	2764														
5	2361	2410	2485	2577	2692														
10	2105	2165	2288	2480	2733														
15	1949	2005	2147	2405	2806														
20	1833	1890	2024	2328	2881														
25	1742	1797	1937	2239	2933														
30	1684	1734	1870	2193	2967														
35	1650	1680	1811	2171	3043														
40	1613	1638	1743	2139	3187														
45	1541	1558	1655	2071	3361														
50	1398	1415	1507	1931	3509														
55	1174	1188	1272	1688	3564														
60	873	896	960	1316	3403														
65	531	575	611	855	2927														
70	320	321	340	421	2060														
75	267	242	220	222	730														
80	192	184	155	126	137														
85	71.9	71.8	62.8	53.7	40.5														
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  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks: