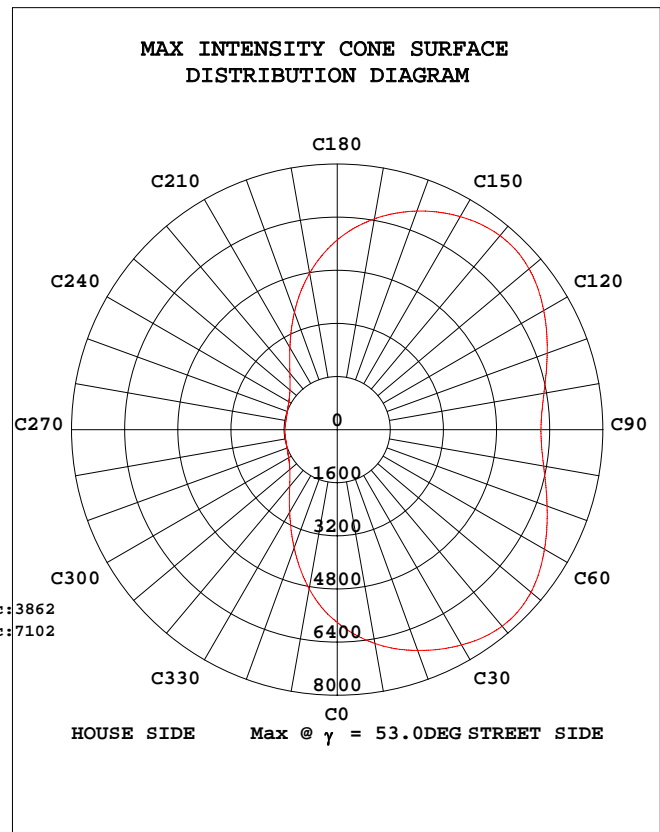
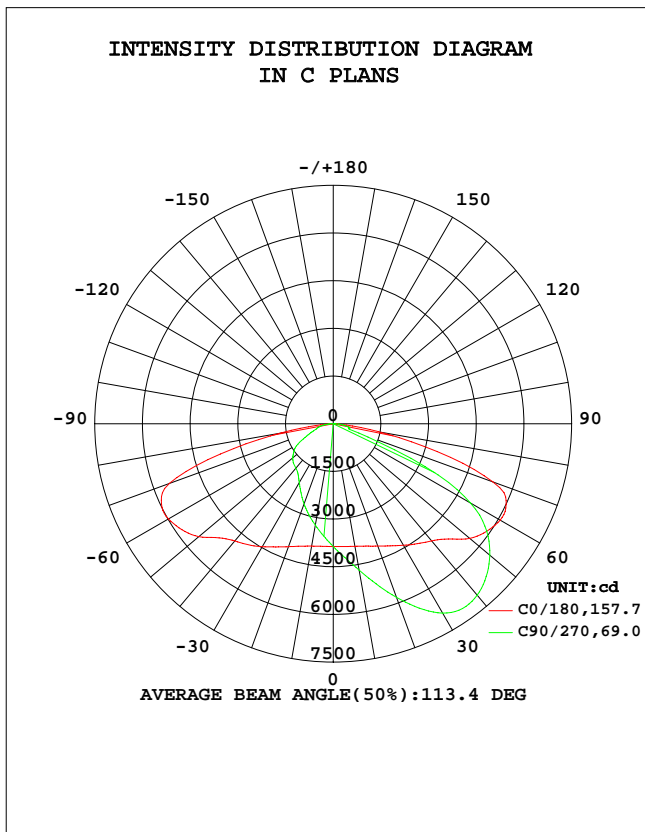


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 204.59 lm/W			
MODEL	5050	Imax(cd)	7721	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	68.8
RATED VOLTAGE(V)		TOTAL FLUX(lm)	20627	η house_up(%)	0.0
NOMINAL FLUX(lm)	20627.2	MAXIMUM @(C, γ)	45,53.0	η house_down(%)	31.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	100.0	SLI	22.097

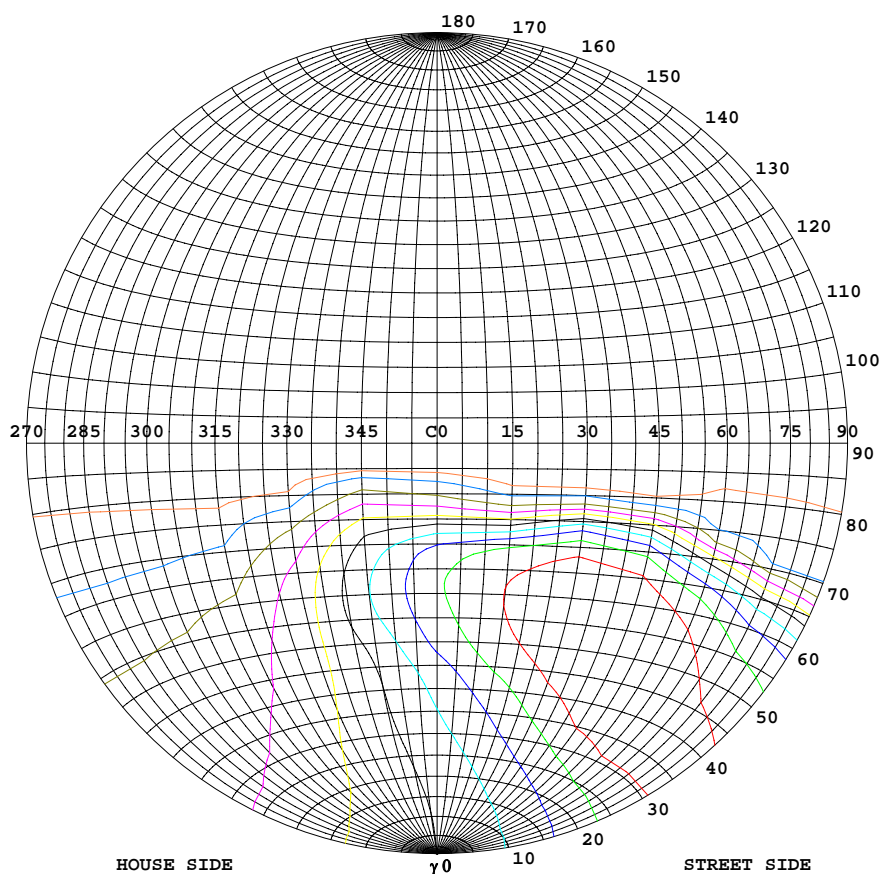


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



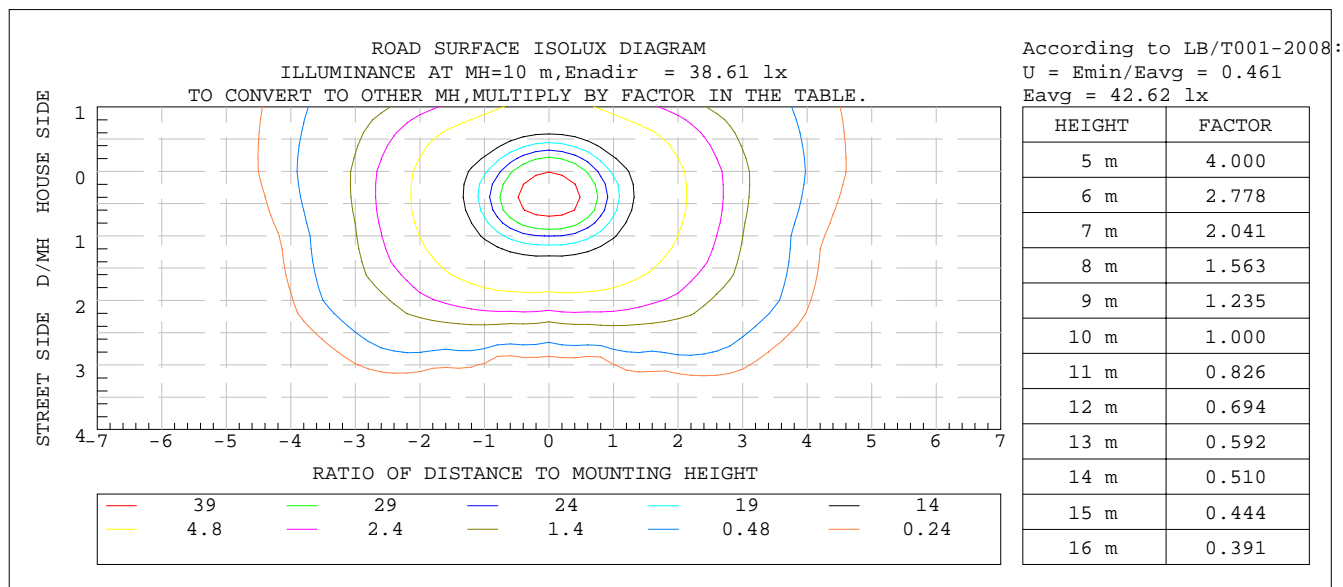
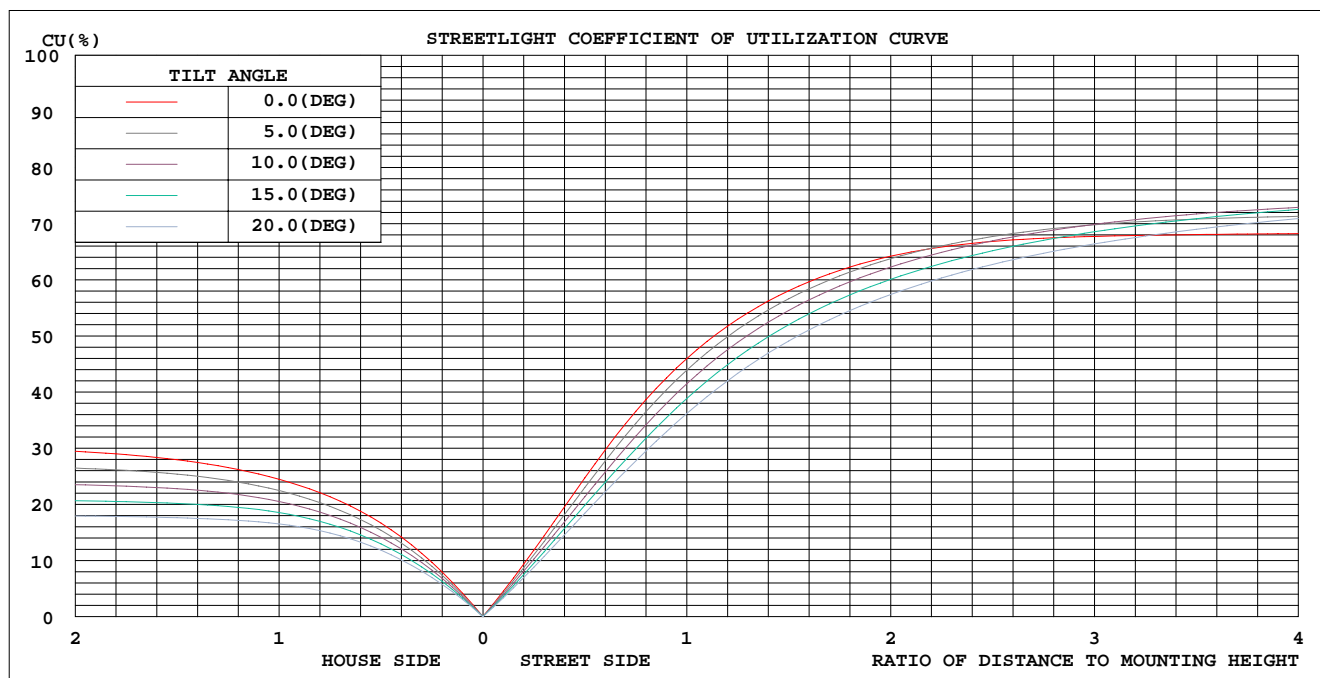
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:92.63cd/klm
Max.At90:0cd/klm
Max.80-90:92.63cd/klm
NRB 5101:Semi limited[15.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7721
90%	6949
80%	6177
70%	5405
60%	4633
50%	3860
40%	3088
30%	2316
20%	1544
10%	772
5%	386

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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: 2024-6-25

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:

ZONAL FLUX DIAGRAM

Test:U:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

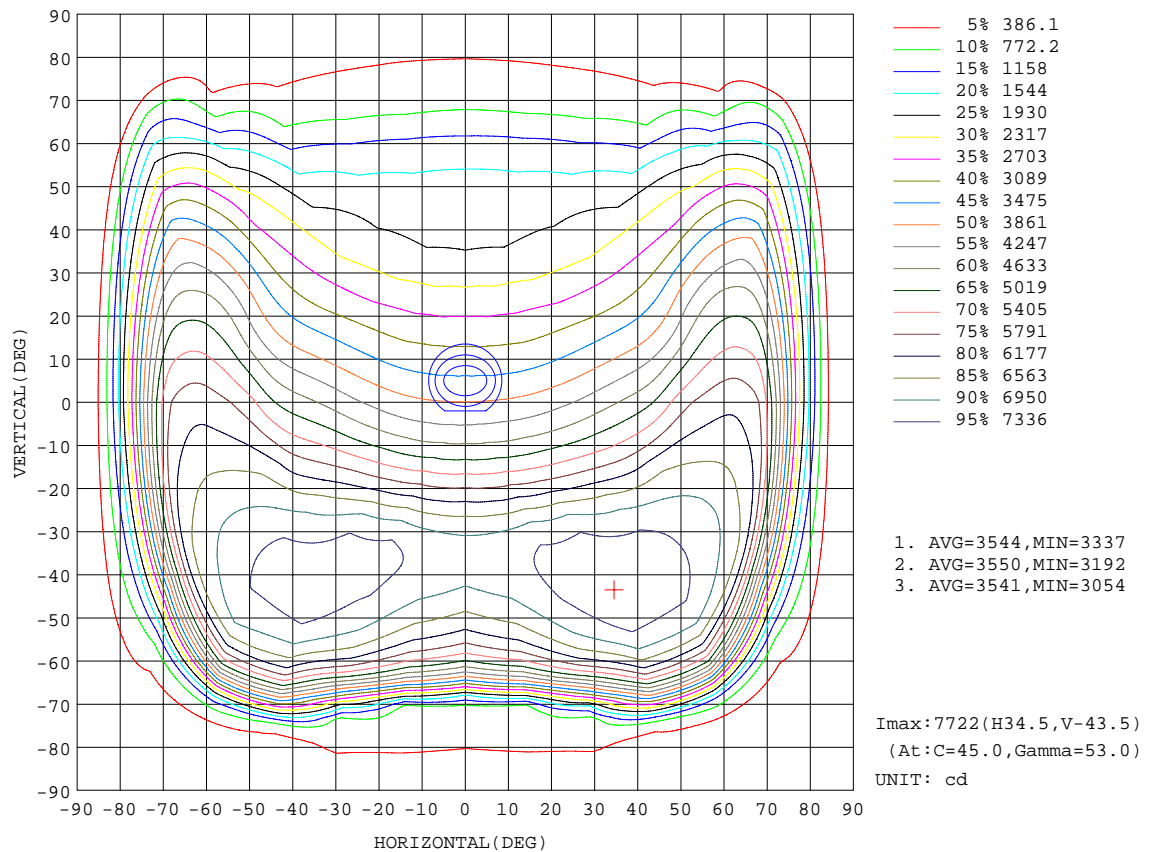
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3916	4436	4672	4435	3910	3425	3244	3429	0- 10	372.0	372.0	1.8,1.8
20	4097	5267	5809	5299	4116	3073	2686	3071	10- 20	1149	1521	7.38,7.38
30	4415	6390	6878	6443	4466	2749	2140	2742	20- 30	2018	3540	17.2,17.2
40	4811	7366	7042	7374	4815	2414	1827	2409	30- 40	2927	6467	31.4,31.4
50	5610	7694	6429	7614	5526	2126	1662	2133	40- 50	3714	10181	49.4,49.4
60	6063	7509	4985	7396	5989	1667	1290	1675	50- 60	4257	14438	70,70
70	5346	5889	858.5	5947	5480	842.6	667.0	871.3	60- 70	3959	18397	89.2,89.2
80	1444	401.1	400.8	434.0	1665	311.1	372.6	315.4	70- 80	1954	20351	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	276.1	20627	100,100
100	0	0	0	0	0	0	0	0	90-100	0	20627	100,100
110	0	0	0	0	0	0	0	0	100-110	0	20627	100,100
120	0	0	0	0	0	0	0	0	110-120	0	20627	100,100
130	0	0	0	0	0	0	0	0	120-130	0	20627	100,100
140	0	0	0	0	0	0	0	0	130-140	0	20627	100,100
150	0	0	0	0	0	0	0	0	140-150	0	20627	100,100
160	0	0	0	0	0	0	0	0	150-160	0	20627	100,100
170	0	0	0	0	0	0	0	0	160-170	0	20627	100,100
180	0	0	0	0	0	0	0	0	170-180	0	20627	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:2024-6-25

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:

ISOCANDELA DIAGRAM

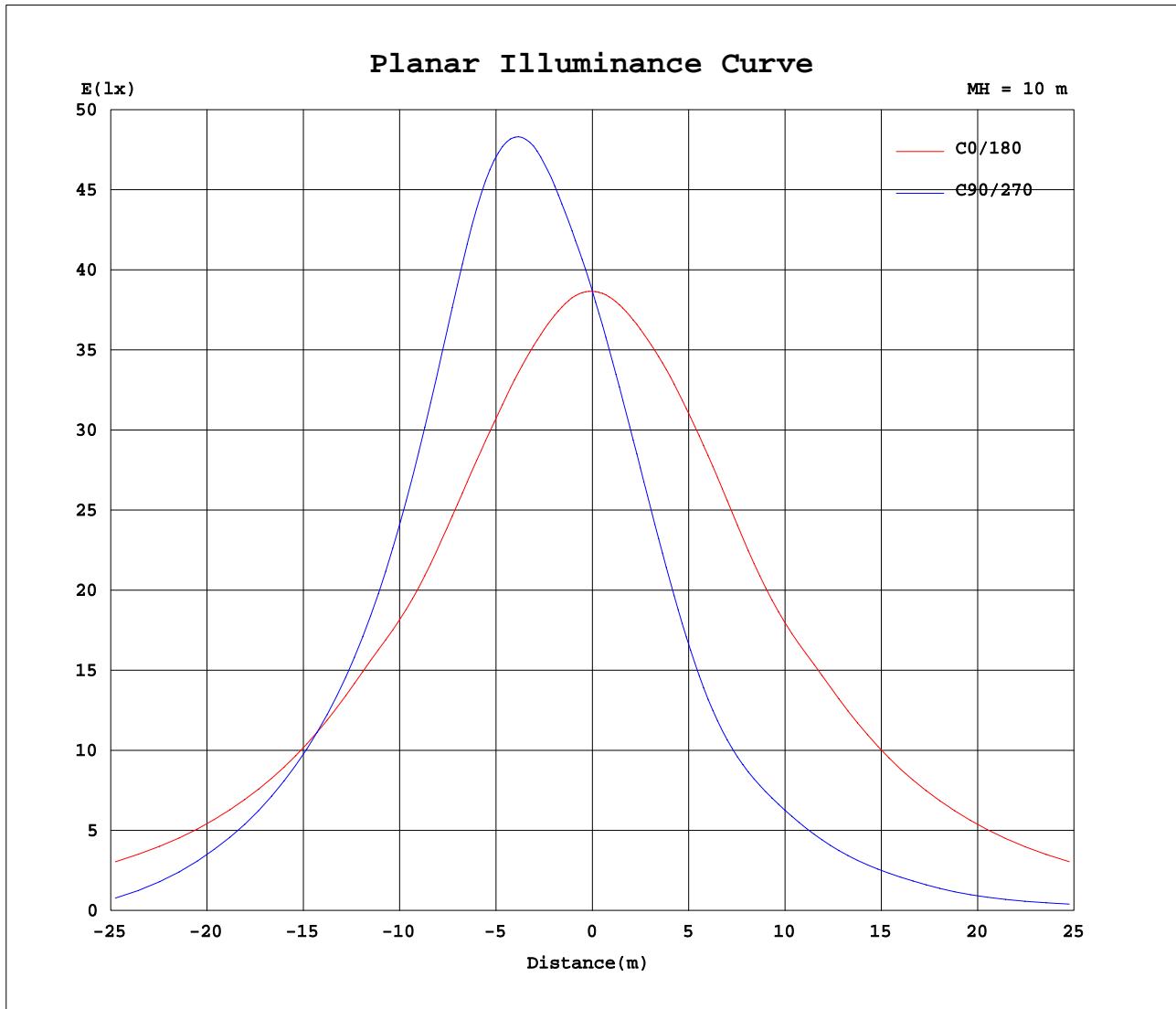
Test:U:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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



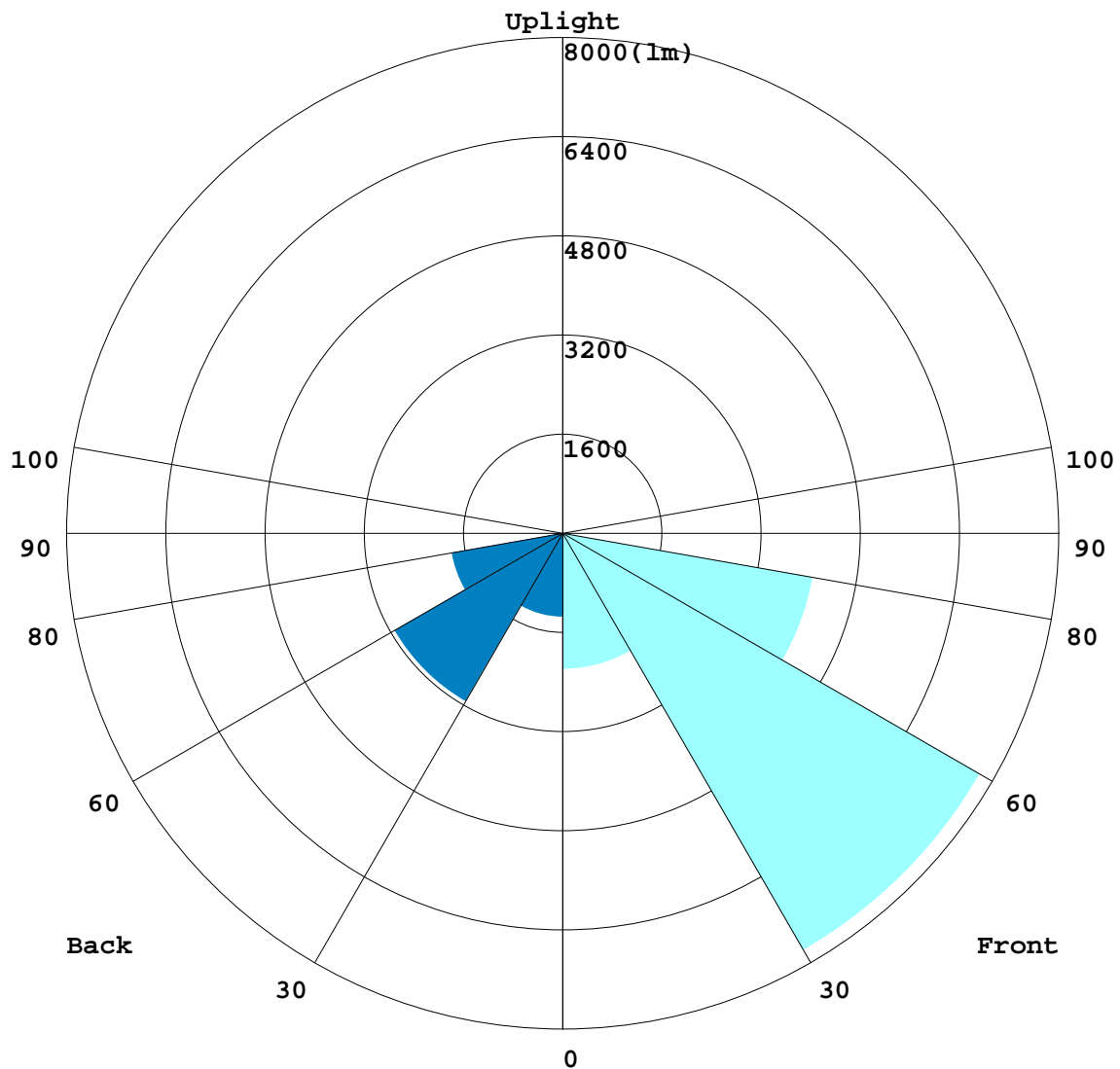
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-6-25

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:

LCS REPORT

Test:U:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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:2024-6-25

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:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2190.6	10.6
FM - Front-Medium(30-60)	7765.9	37.6
FH - Front-High(60-80)	4094.8	19.9
FVH - Front-Very High(80-90)	133.89	0.6
Total Forward Light	14185	68.8

BL - Back-Low(0-30)	1349.2	6.5
BM - Back-Medium(30-60)	3132.3	15.2
BH - Back-High(60-80)	1818.3	8.8
BVH - Back-Very High(80-90)	142.17	0.7
Total Back Light	6442	31.2

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6442	0	6442
Street Side	14185	0	14185

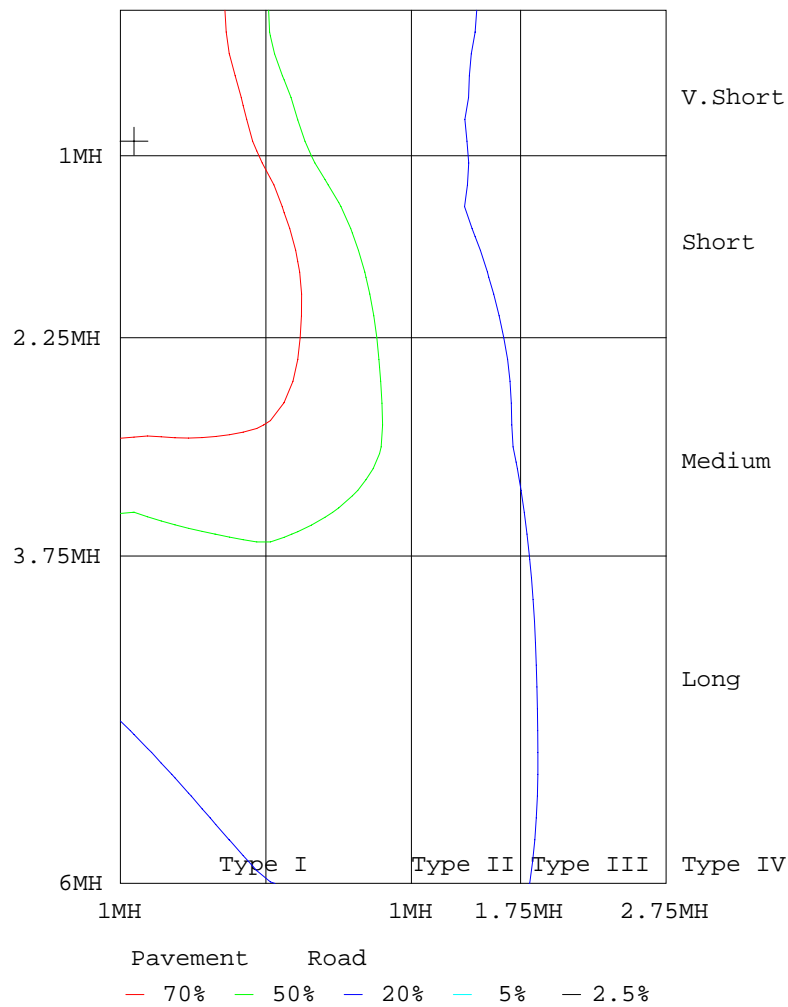
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-6-25

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:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862	3862
5	3879	3969	4053	4125	4181	4215	4226	4213	4179	4123	4049	3964	3872	3783	3701	3632	3579	3548	3538
10	3916	4100	4279	4436	4563	4641	4672	4641	4566	4435	4279	4098	3910	3729	3561	3425	3324	3263	3244
15	3986	4272	4557	4812	5030	5161	5213	5164	5043	4824	4569	4283	3988	3710	3452	3242	3087	2994	2965
20	4097	4494	4898	5267	5571	5742	5809	5752	5595	5299	4935	4527	4116	3727	3366	3073	2856	2724	2686
25	4239	4756	5294	5793	6169	6341	6399	6361	6210	5842	5358	4815	4277	3769	3302	2913	2626	2452	2404
30	4415	5059	5736	6390	6793	6875	6878	6910	6844	6443	5822	5145	4466	3818	3232	2749	2401	2196	2140
35	4608	5386	6228	6986	7236	7158	7094	7202	7296	7023	6270	5462	4650	3851	3143	2578	2191	1988	1935
40	4811	5781	6709	7366	7396	7178	7042	7218	7435	7374	6698	5762	4815	3861	3040	2414	2028	1865	1827
45	5130	6292	7099	7573	7409	7026	6805	7050	7411	7530	7049	6222	5076	3914	2949	2274	1917	1791	1768
50	5610	6699	7385	7694	7320	6740	6429	6750	7301	7614	7321	6621	5526	4098	2891	2126	1791	1677	1662
55	5897	6894	7519	7705	7096	6306	5894	6315	7067	7608	7438	6806	5813	4413	2824	1926	1607	1510	1511
60	6063	6956	7495	7509	6649	5545	4985	5578	6619	7396	7399	6873	5989	4555	2704	1667	1370	1288	1290
65	6000	6811	7273	7021	5591	4001	3192	4089	5631	6913	7203	6757	5964	4425	2464	1303	1029	926	922
70	5346	5965	6558	5889	3329	1132	858	1199	3425	5947	6610	6091	5480	4046	1973	843	679	649	667
75	3390	3152	4307	3171	805	514	542	518	891	3476	4587	3388	3678	3249	1228	496	469	493	516
80	1444	669	748	401	415	451	401	467	415	434	891	795	1665	1911	444	311	341	367	373
85	258	130	184	273	287	234	205	245	303	284	204	153	404	354	128	135	160	167	161
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:2024-6-25

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:54.50V I:1.850A P:100.8W PF:1.000 Freq:49.99Hz Lamp Flux:20627.2x1 lm		
NAME: AoK sAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-100WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	3862	3862	3862	3862	3862													
5	3551	3582	3636	3708	3790													
10	3265	3327	3429	3567	3732													
15	2996	3090	3241	3450	3703													
20	2728	2860	3071	3356	3706													
25	2459	2633	2909	3282	3735													
30	2203	2404	2742	3212	3780													
35	1991	2189	2568	3125	3824													
40	1869	2029	2409	3030	3856													
45	1799	1928	2282	2953	3922													
50	1685	1798	2133	2905	4117													
55	1523	1616	1931	2840	4465													
60	1303	1388	1675	2729	4619													
65	946	1050	1325	2504	4495													
70	657	695	871	2031	4092													
75	499	484	519	1277	3175													
80	364	339	315	457	1777													
85	168	156	127	118	305													
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:2024-6-25

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: