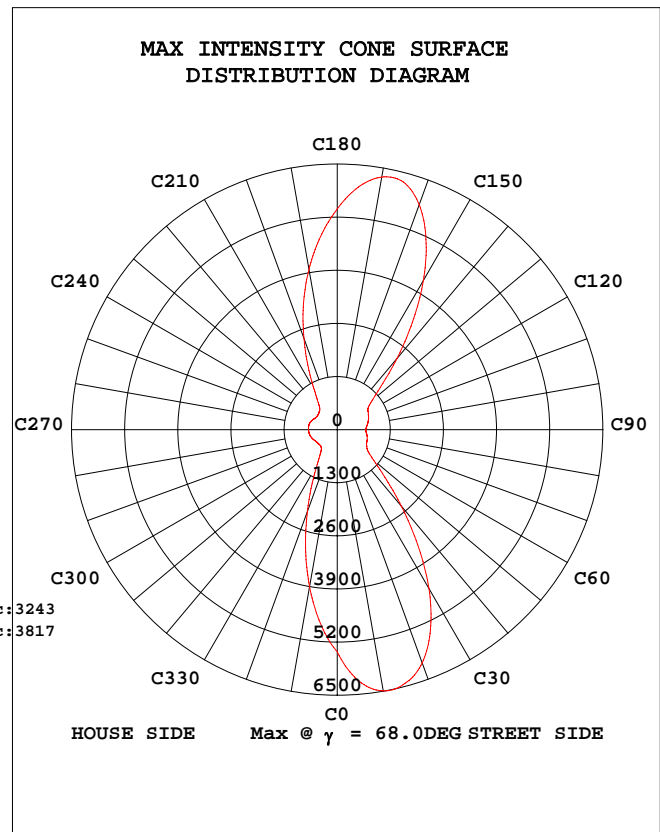
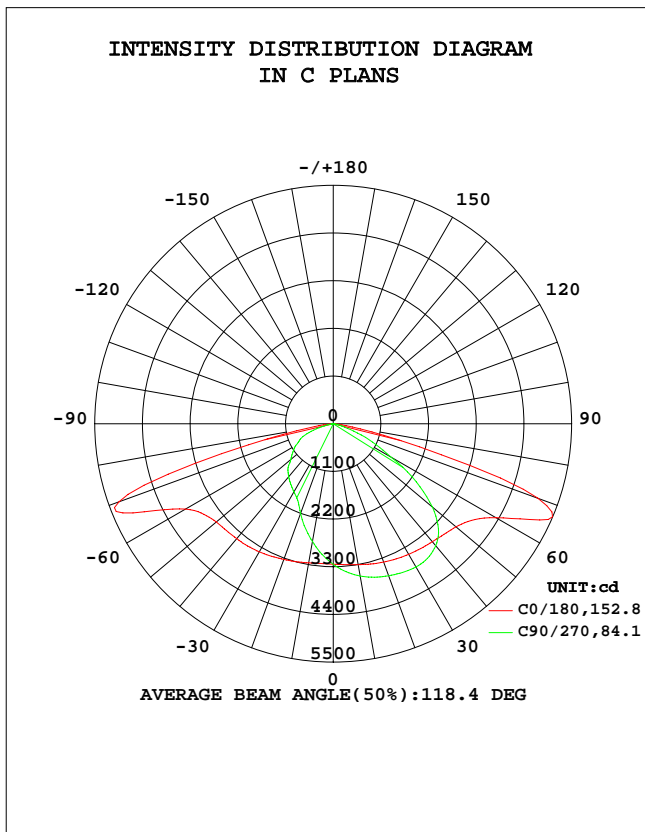


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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: 140.76 lm/W			
MODEL	3030	Imax(cd)	6422	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	62.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12633	η house_up(%)	0.0
NOMINAL FLUX(lm)	12632.5	MAXIMUM @(C, γ)	15,68.0	η house_down(%)	37.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.270

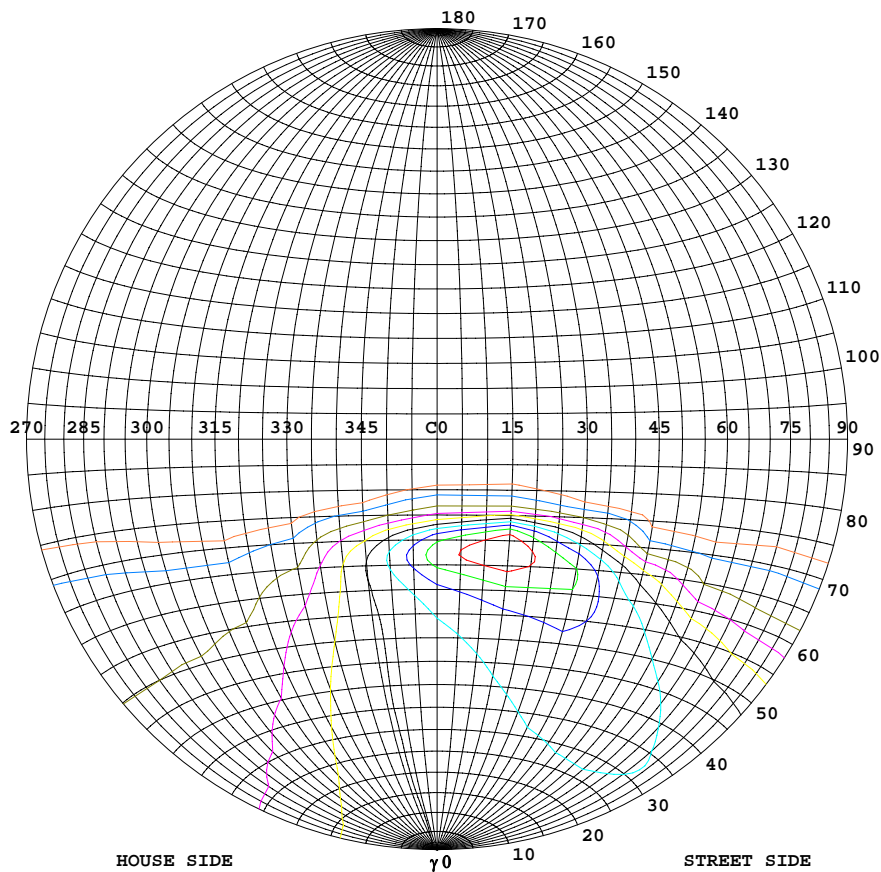


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-12

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:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



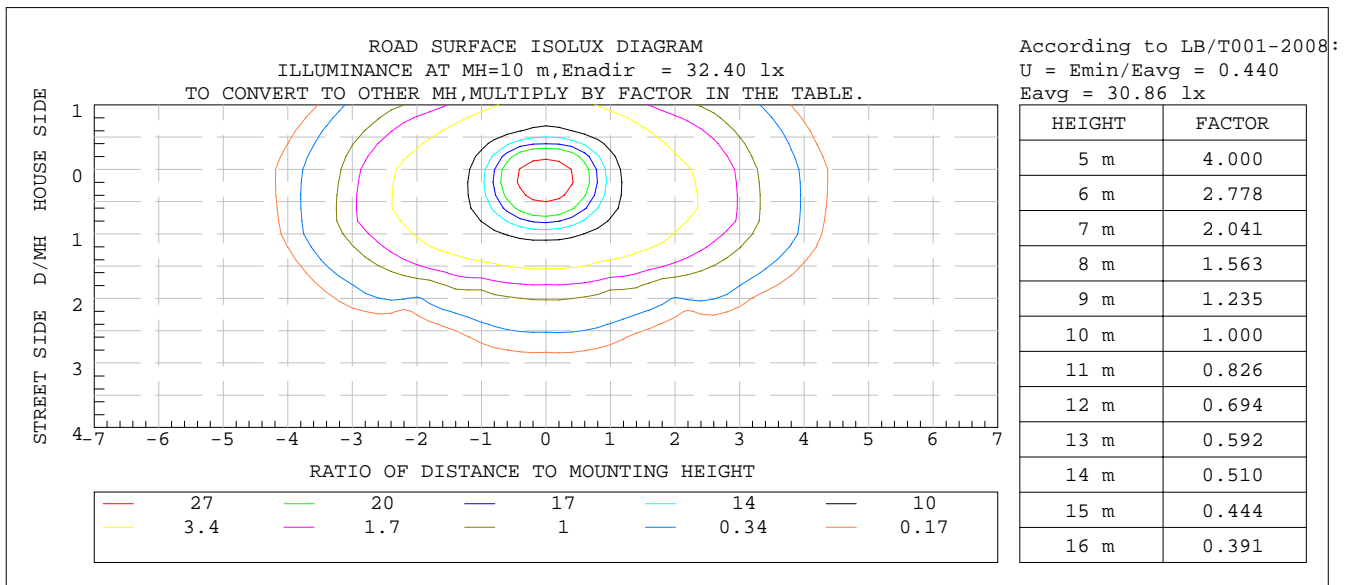
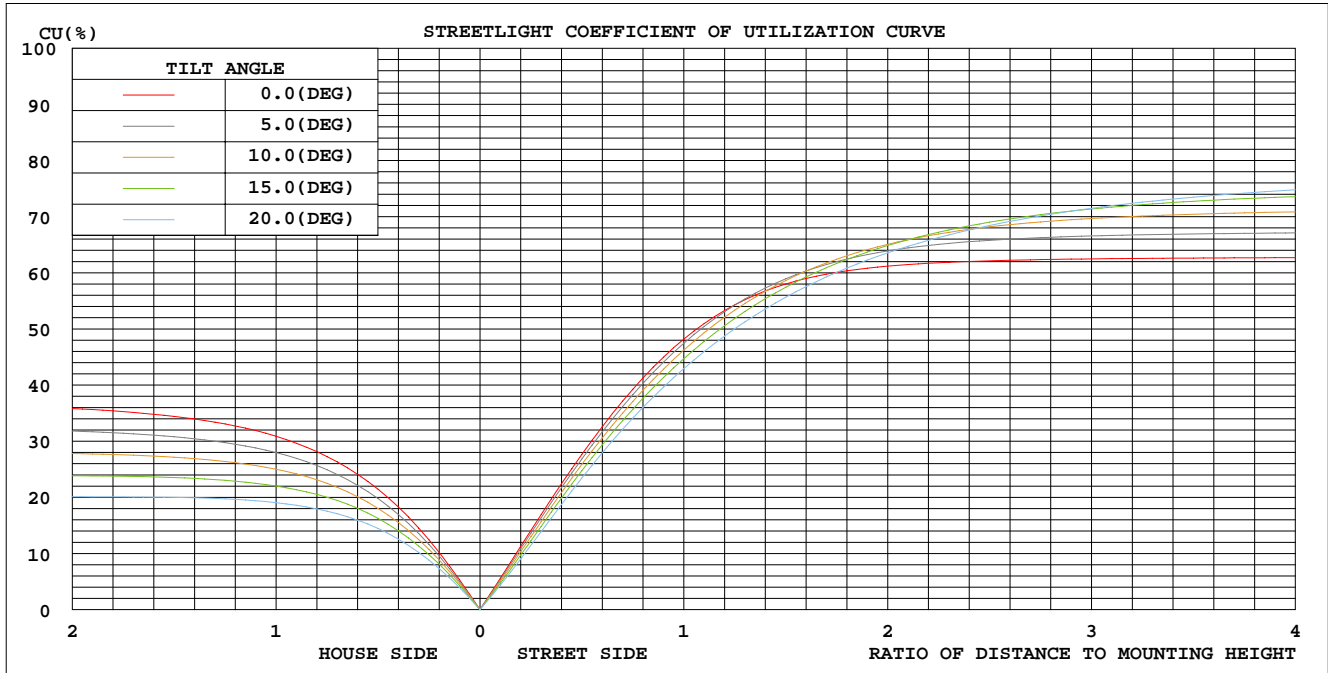
Classification:

IES:Type II - Medium
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:49.48cd/klm
Max.At90:0cd/klm
Max.80-90:49.48cd/klm
NRB 5101:Limited[3.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6422
90%	5780
80%	5137
70%	4495
60%	3853
50%	3211
40%	2569
30%	1927
20%	1284
10%	642
5%	321

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

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:219.3V I:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

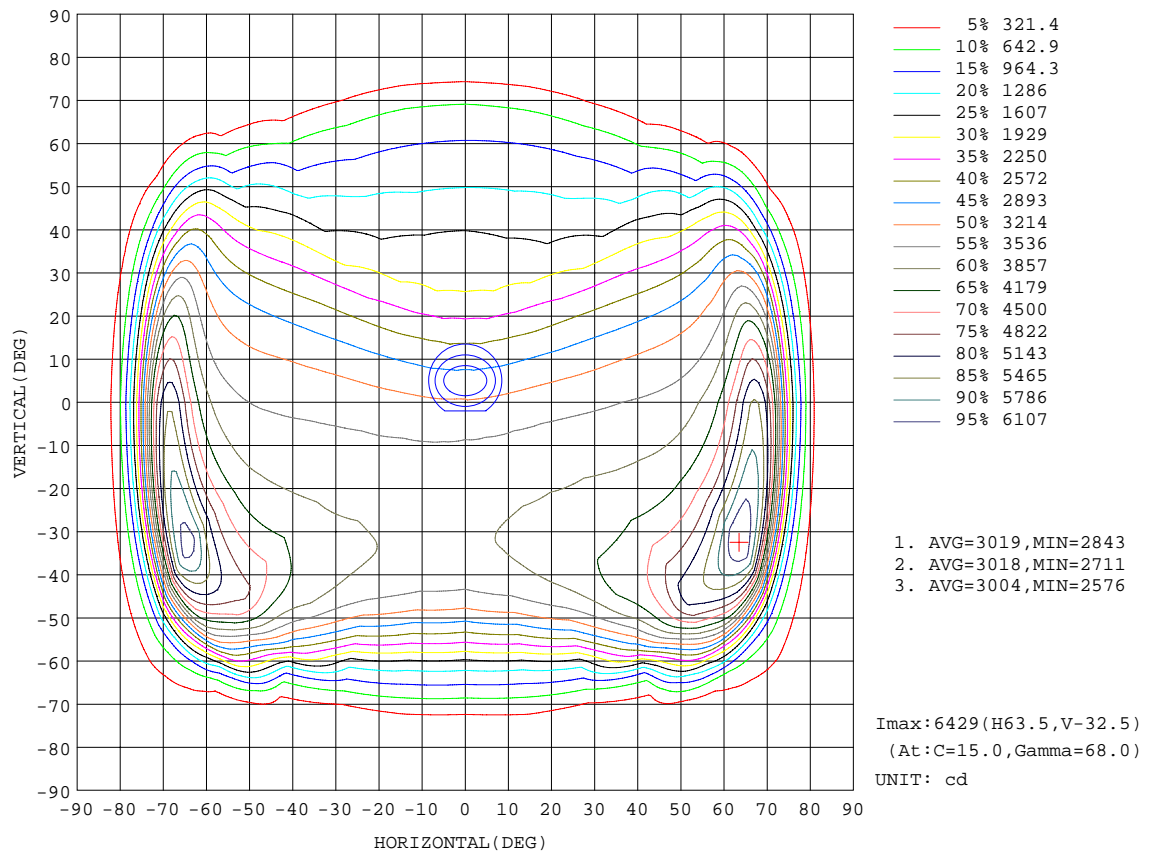
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3301	3514	3567	3487	3260	2926	2761	2951	0- 10	308.4	308.4	2.44,2.44
20	3396	3721	3732	3668	3332	2628	2207	2651	10- 20	905.5	1214	9.61,9.61
30	3478	3879	3816	3785	3414	2327	1816	2338	20- 30	1449	2663	21.1,21.1
40	3555	4059	3677	3919	3463	1971	1601	1946	30- 40	1928	4591	36.3,36.3
50	3700	4228	2983	4029	3525	1585	1278	1541	40- 50	2295	6887	54.5,54.5
60	4338	3718	1551	3497	3942	1084	997.6	1058	50- 60	2442	9329	73.8,73.8
70	5018	935.9	506.3	963.5	5259	449.5	595.1	405.1	60- 70	2315	11643	92.2,92.2
80	446.2	100.5	92.44	108.5	625.1	76.04	69.99	67.92	70- 80	936.1	12579	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	53.31	12633	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12633	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12633	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12633	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12633	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12633	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12633	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12633	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12633	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12633	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

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:

ISOCANDELA DIAGRAM

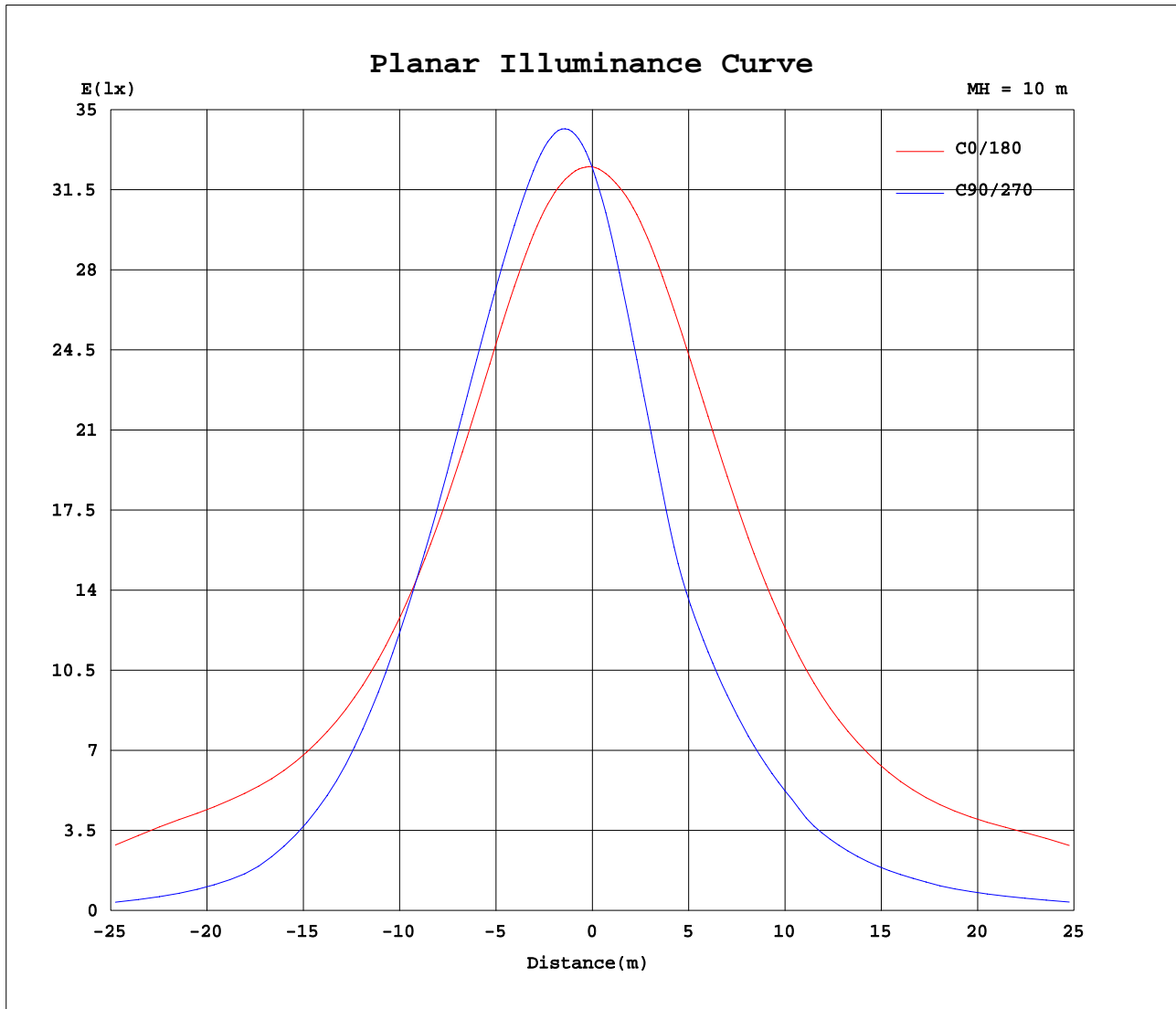
Test:U:219.3V I:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WILE-NV-L3-00-5070-T211-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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

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



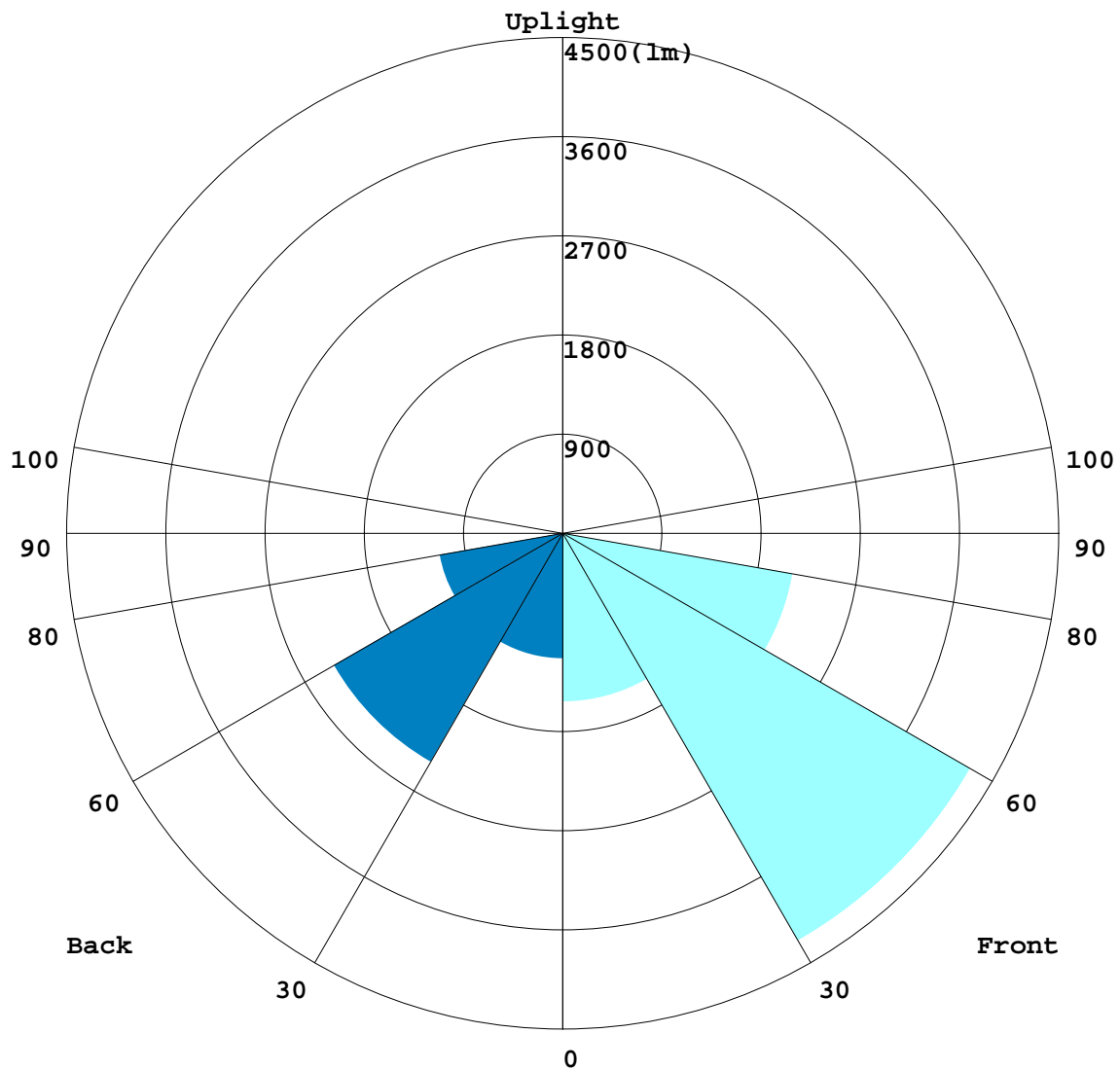
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-12-12

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:

LCS REPORT

Test:U:219.3V I:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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)	1527.5	12.1
FM - Front-Medium(30-60)	4269.7	33.8
FH - Front-High(60-80)	2117.5	16.8
FVH - Front-Very High(80-90)	31.89	0.3
Total Forward Light	7946.6	62.9

BL - Back-Low(0-30)	1135.4	9.0
BM - Back-Medium(30-60)	2395.9	19.0
BH - Back-High(60-80)	1133.2	9.0
BVH - Back-Very High(80-90)	21.422	0.2
Total Back Light	4685.9	37.1

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	4685.9	0	4685.9
Street Side	7946.6	0	7946.6

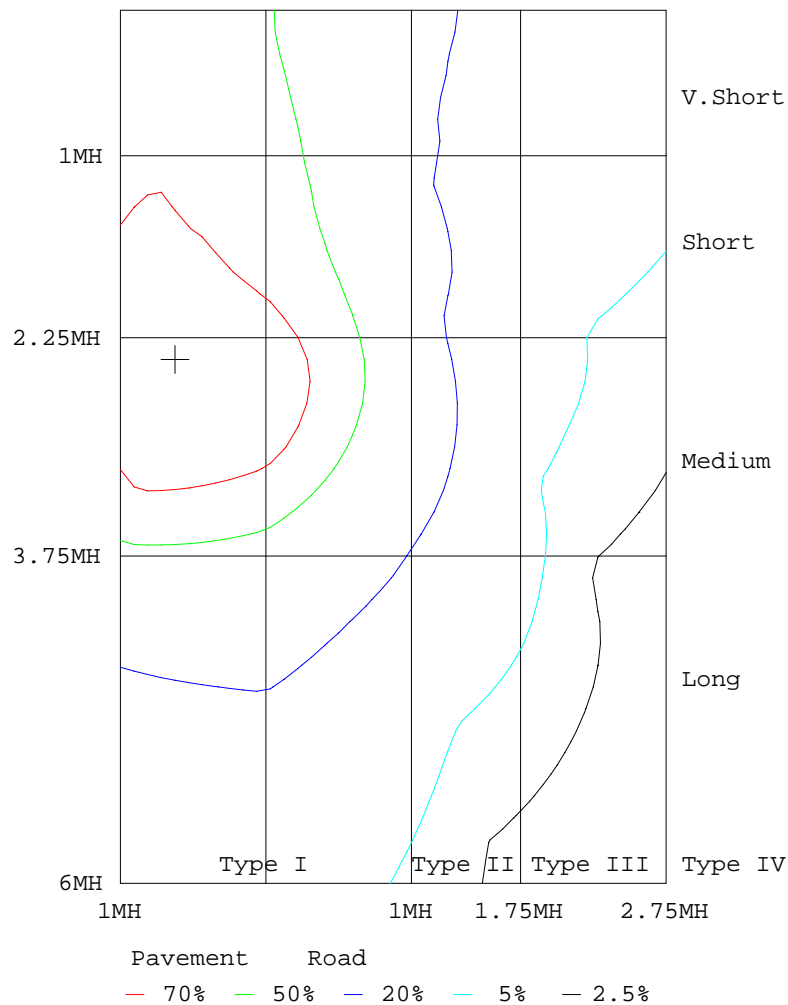
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-12-12

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:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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

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:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-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	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243	3243
5	3262	3312	3356	3388	3412	3427	3426	3421	3400	3372	3334	3289	3238	3185	3133	3084	3049	3025	3021
10	3301	3392	3464	3514	3546	3565	3567	3556	3525	3487	3429	3354	3260	3156	3039	2926	2835	2773	2761
15	3351	3477	3567	3625	3653	3670	3665	3655	3625	3586	3519	3425	3294	3142	2959	2777	2628	2521	2494
20	3396	3554	3658	3721	3743	3747	3732	3722	3701	3668	3595	3488	3332	3132	2883	2628	2413	2253	2207
25	3441	3624	3737	3805	3819	3812	3786	3773	3757	3730	3661	3550	3373	3131	2813	2480	2189	1990	1947
30	3478	3688	3814	3879	3886	3858	3816	3809	3807	3785	3719	3603	3414	3128	2748	2327	1982	1833	1816
35	3516	3747	3893	3962	3940	3861	3791	3804	3842	3849	3775	3652	3444	3121	2672	2156	1802	1718	1709
40	3555	3811	3992	4059	3953	3787	3677	3725	3841	3919	3852	3703	3463	3114	2579	1971	1655	1602	1601
45	3609	3905	4136	4157	3893	3593	3432	3533	3761	3988	3976	3770	3487	3099	2462	1774	1515	1476	1478
50	3700	4063	4347	4228	3666	3190	2983	3132	3527	4029	4158	3877	3525	3074	2318	1585	1364	1270	1278
55	3893	4371	4654	4156	3140	2549	2341	2514	3014	3935	4419	4106	3645	3051	2128	1375	1138	1120	1136
60	4338	4985	5060	3718	2280	1733	1551	1731	2200	3497	4747	4605	3942	3064	1866	1084	962	980	998
65	5256	6045	5144	2770	1246	1066	1005	1082	1251	2597	4766	5598	4810	3184	1482	835	751	799	836
70	5018	6183	3745	936	559	554	506	567	612	963	3618	6190	5259	2960	899	449	479	570	595
75	2060	2710	1278	262	198	207	205	210	201	284	1160	3302	2668	1326	315	194	200	265	281
80	446	436	171	101	87.7	92.1	92.4	95.5	93.2	109	166	528	625	189	89.6	76.0	75.6	74.6	70.0
85	38.7	54.6	34.5	26.6	22.0	23.6	21.9	25.7	25.8	31.5	38.9	78.5	75.3	34.3	24.0	19.5	19.0	16.8	16.6
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:0.4169A P:89.75W PF:0.9817 Freq:50.01Hz Lamp Flux:12632.5x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T211-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	3243	3243	3243	3243	3243													
5	3029	3058	3098	3151	3208													
10	2780	2851	2951	3070	3191													
15	2524	2643	2804	2998	3188													
20	2253	2421	2651	2924	3184													
25	1995	2199	2498	2846	3176													
30	1823	1980	2338	2777	3173													
35	1701	1783	2148	2690	3174													
40	1589	1630	1946	2583	3168													
45	1477	1491	1738	2458	3154													
50	1286	1353	1541	2292	3140													
55	1147	1157	1331	2077	3138													
60	1001	990	1058	1781	3173													
65	809	759	812	1324	3247													
70	552	464	405	766	2572													
75	252	187	177	244	901													
80	70.7	70.2	67.9	76.8	138													
85	15.7	16.6	15.5	18.5	25.4													
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: