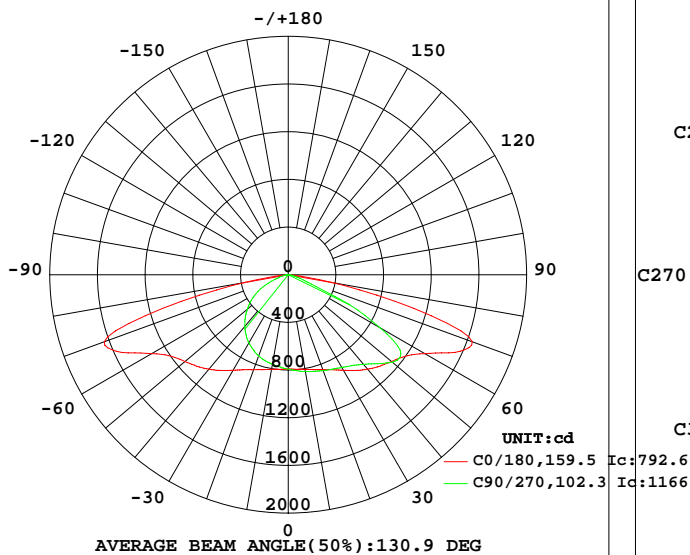
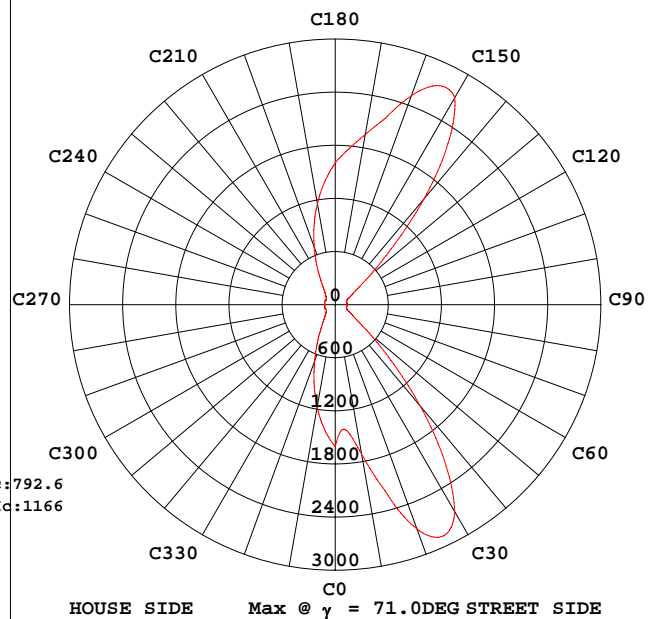


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.82 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	2699	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	63.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4241	η house_up(%)	0.0
NOMINAL FLUX(lm)	4240.91	MAXIMUM @(C,γ )	150,71.0	η house_down(%)	36.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.117

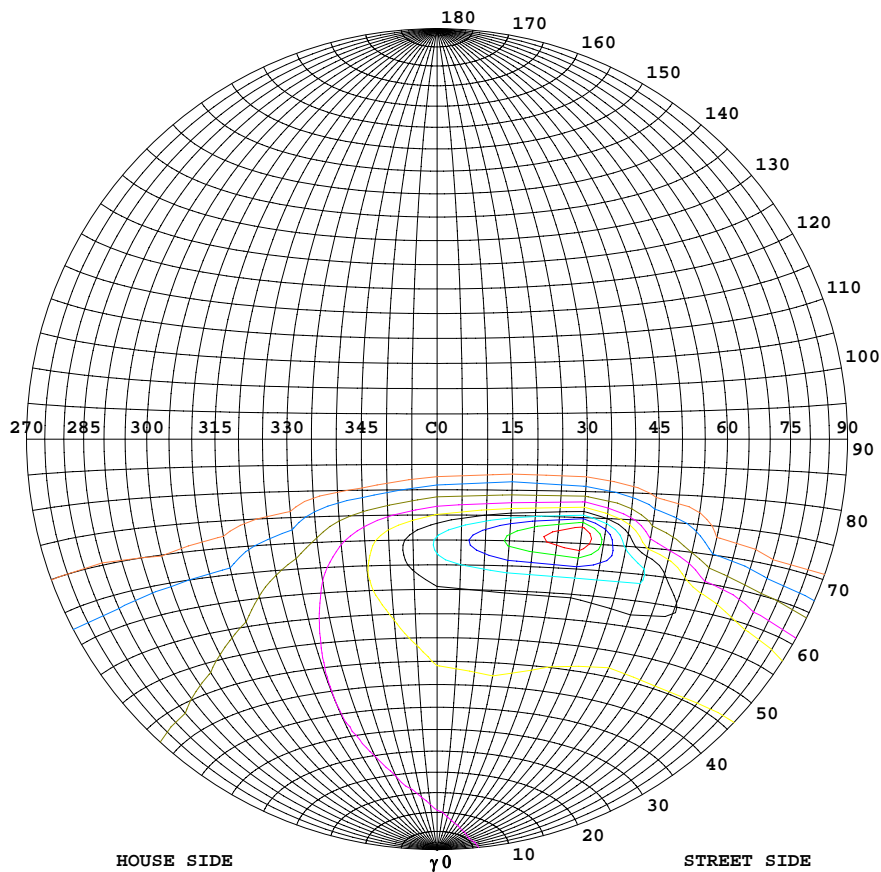
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



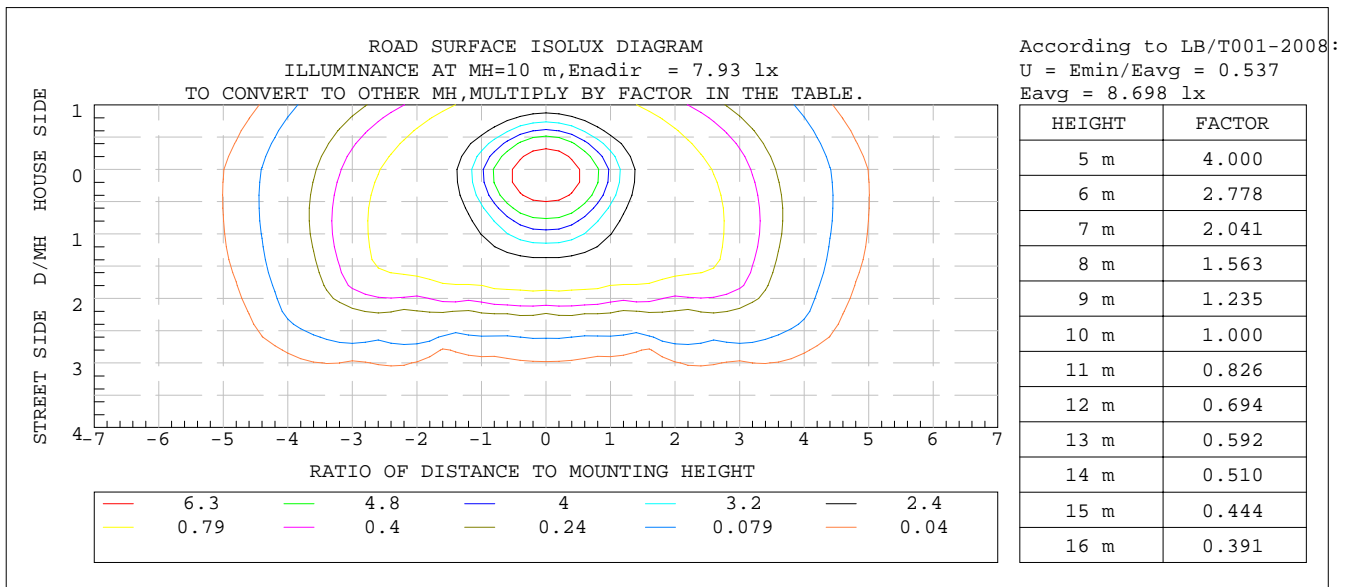
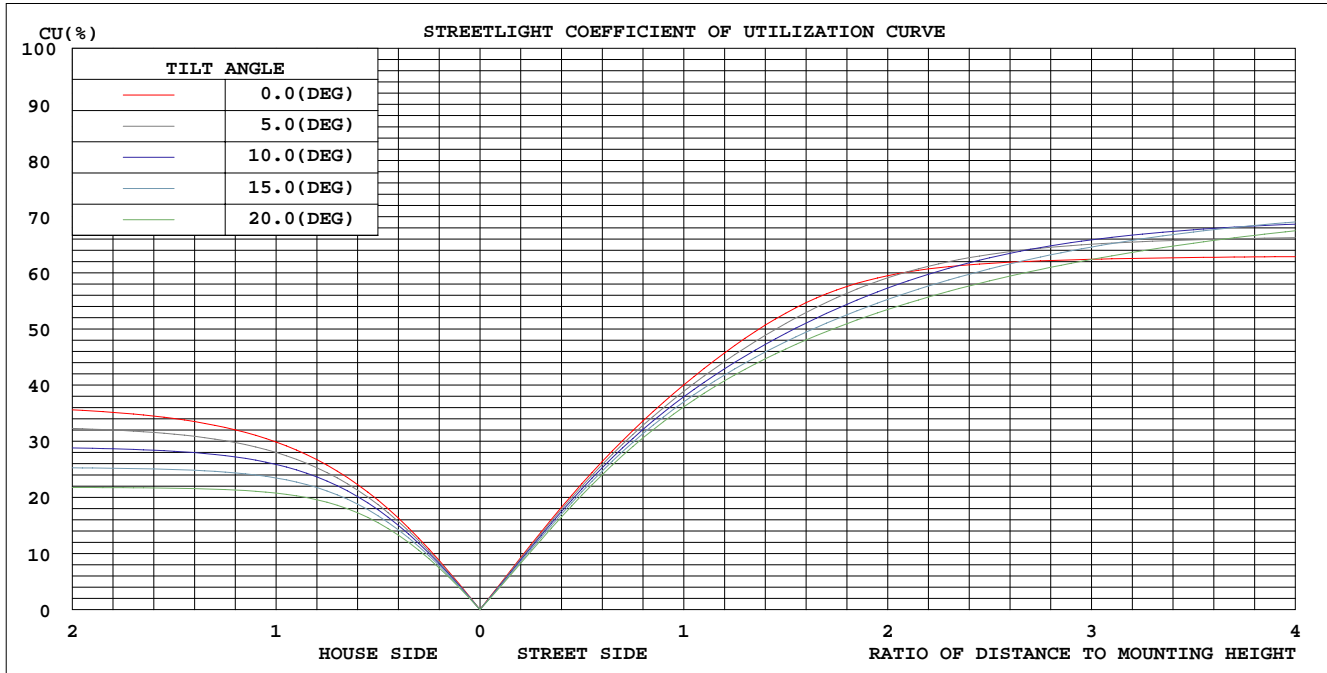
## Classification:

IES:Type III - Medium  
 CIE:Broad - Long  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:99.46cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:99.46cd/klm  
 NRB 5101:Limited[7.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2699
90%	2429
80%	2159
70%	1889
60%	1619
50%	1349
40%	1079
30%	810
20%	540
10%	270
5%	135

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-12-26

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 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:  
Test Date: 2020-12-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

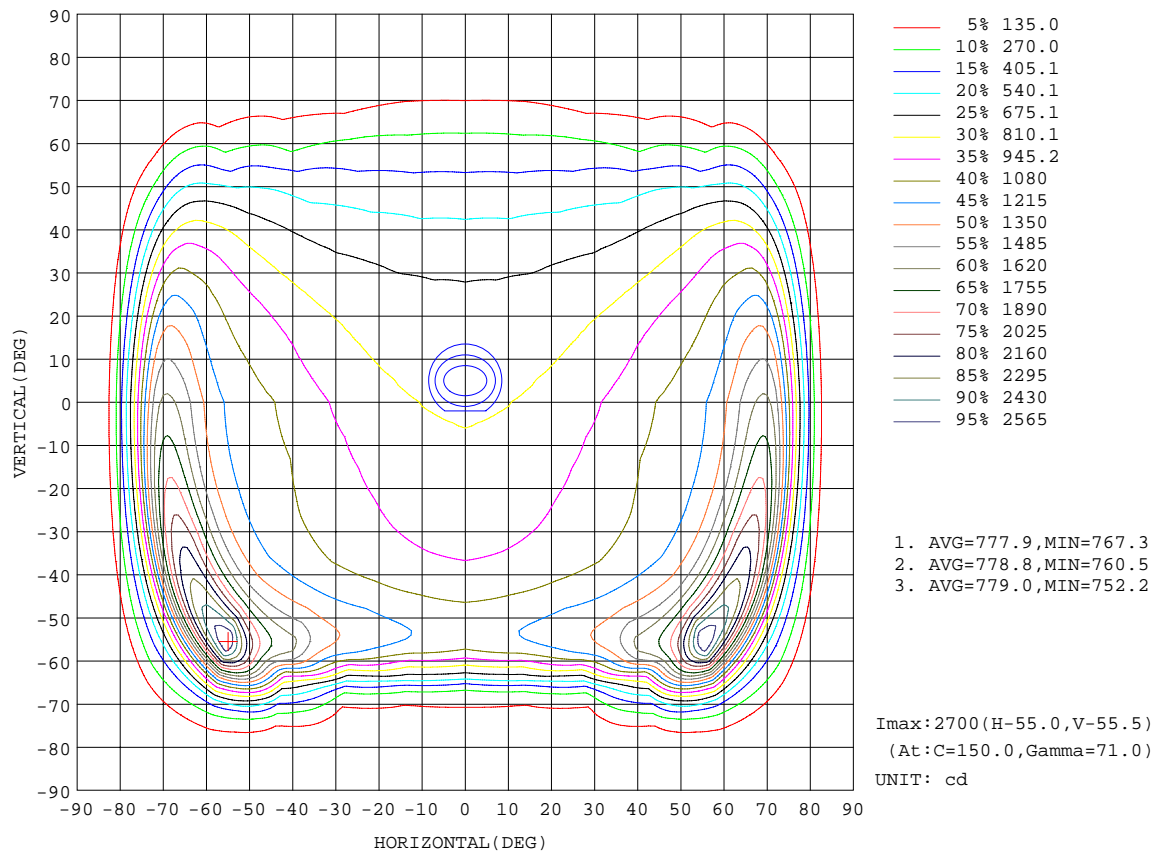
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	804.9	822.9	824.5	822.9	804.9	777.6	763.3	777.6	0- 10	76.05	76.05	1.79,1.79
20	848.2	873.5	856.1	873.5	848.2	766.3	726.2	766.3	10- 20	229.7	305.7	7.21,7.21
30	926.2	941.3	898.1	941.3	926.2	748.5	659.7	748.5	20- 30	386.0	691.7	16.3,16.3
40	1033	1009	981.4	1009	1033	706.6	566.1	706.6	30- 40	543.0	1235	29.1,29.1
50	1133	1130	1140	1130	1133	620.9	448.1	620.9	40- 50	697.6	1932	45.6,45.6
60	1324	1470	889.1	1470	1324	465.2	307.6	465.2	50- 60	844.9	2777	65.5,65.5
70	1642	1040	149.4	1040	1642	177.9	133.8	177.9	60- 70	899.9	3677	86.7,86.7
80	366.6	112.3	31.97	112.3	366.6	31.45	31.11	31.45	70- 80	524.8	4202	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	39.08	4241	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4241	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4241	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4241	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4241	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4241	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4241	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4241	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4241	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4241	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-12-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

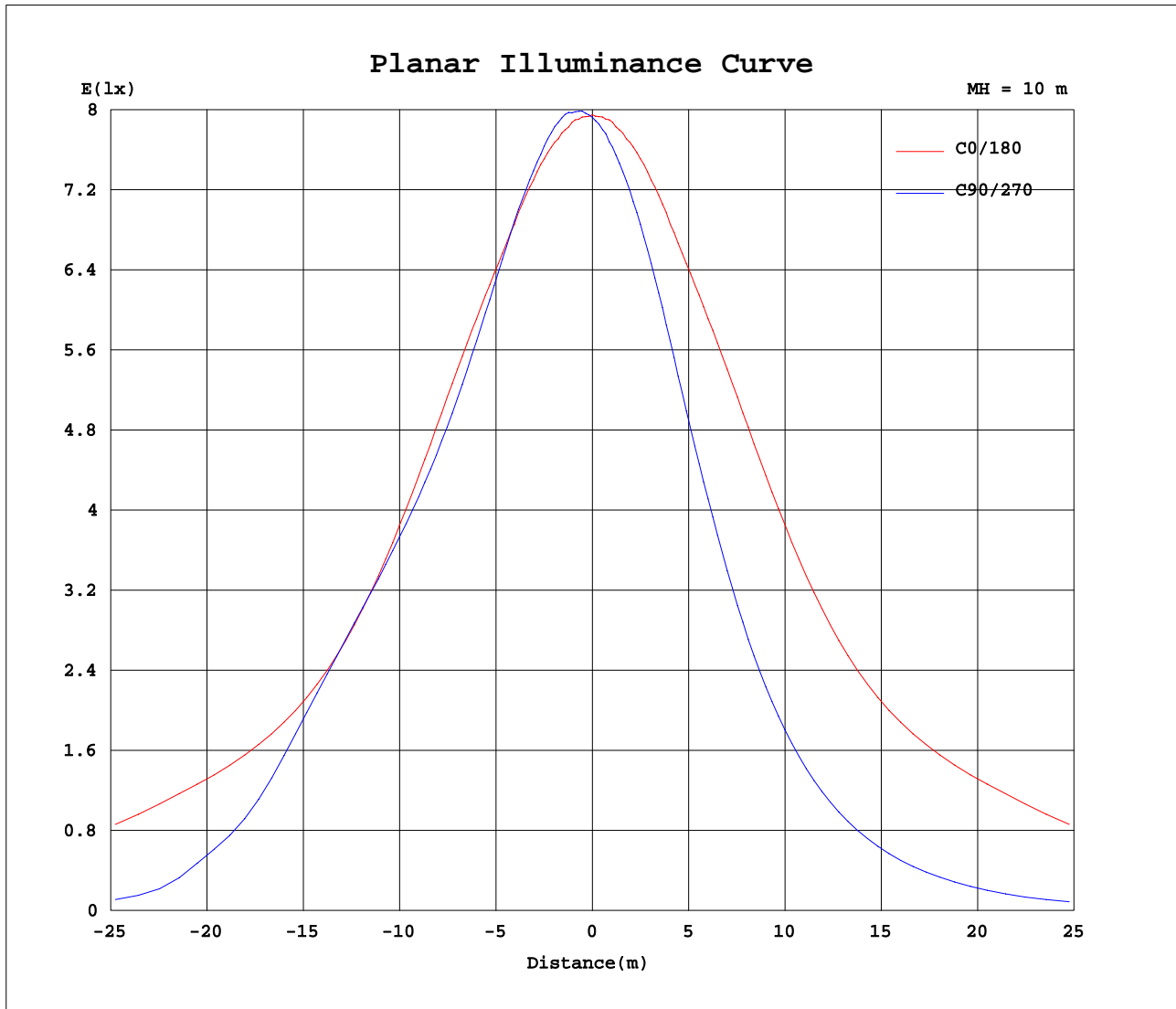
Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-12-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



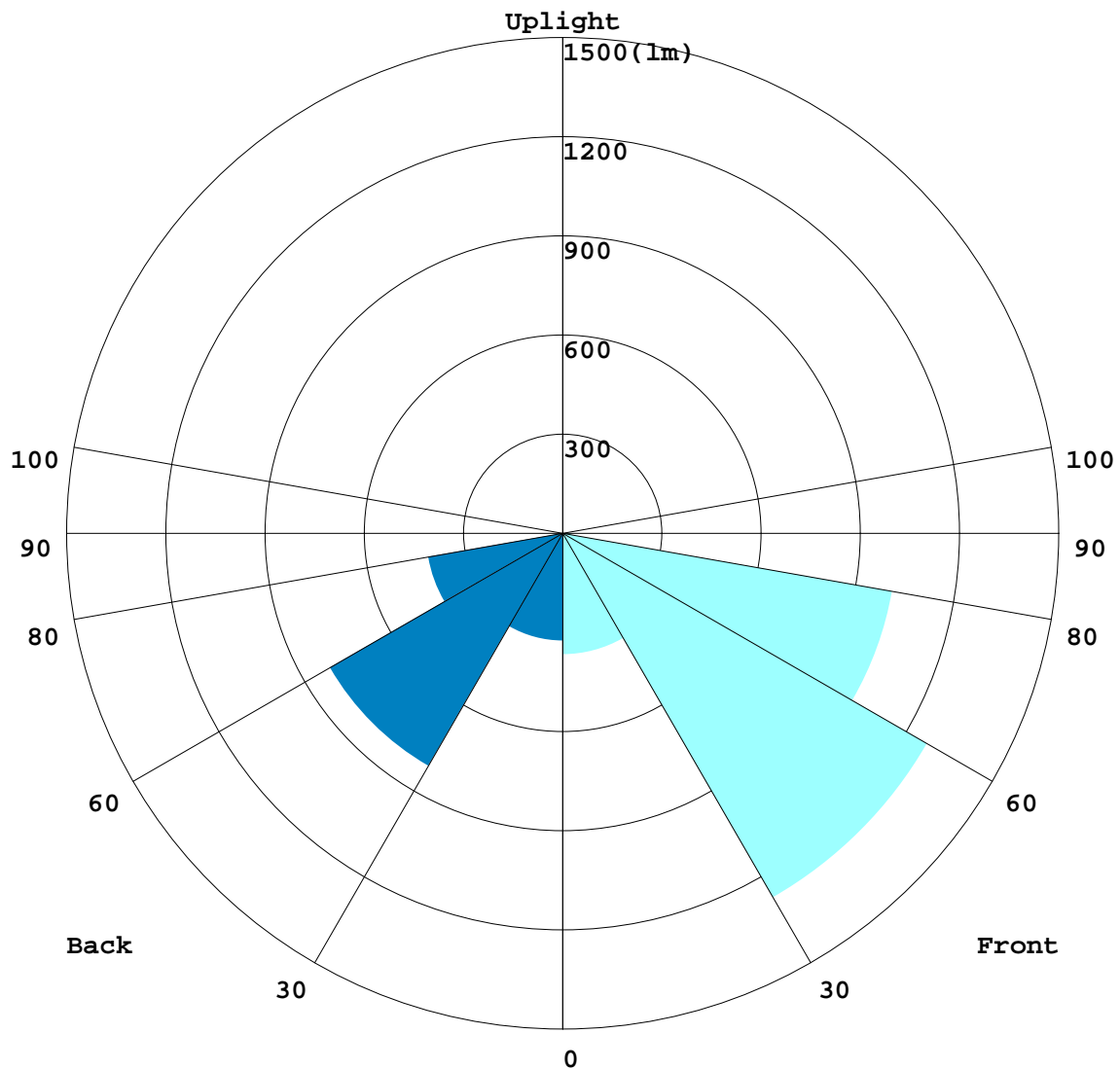
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-12-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	366.63	8.6
FM - Front-Medium(30-60)	1272.5	30.0
FH - Front-High(60-80)	1011.7	23.9
FVH - Front-Very High(80-90)	27.371	0.6
Total Forward Light	2678.2	63.2

BL - Back-Low(0-30)	325.07	7.7
BM - Back-Medium(30-60)	812.97	19.2
BH - Back-High(60-80)	412.95	9.7
BVH - Back-Very High(80-90)	11.714	0.3
Total Back Light	1562.7	36.8

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1562.7	0	1562.7
Street Side	2678.2	0	2678.2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

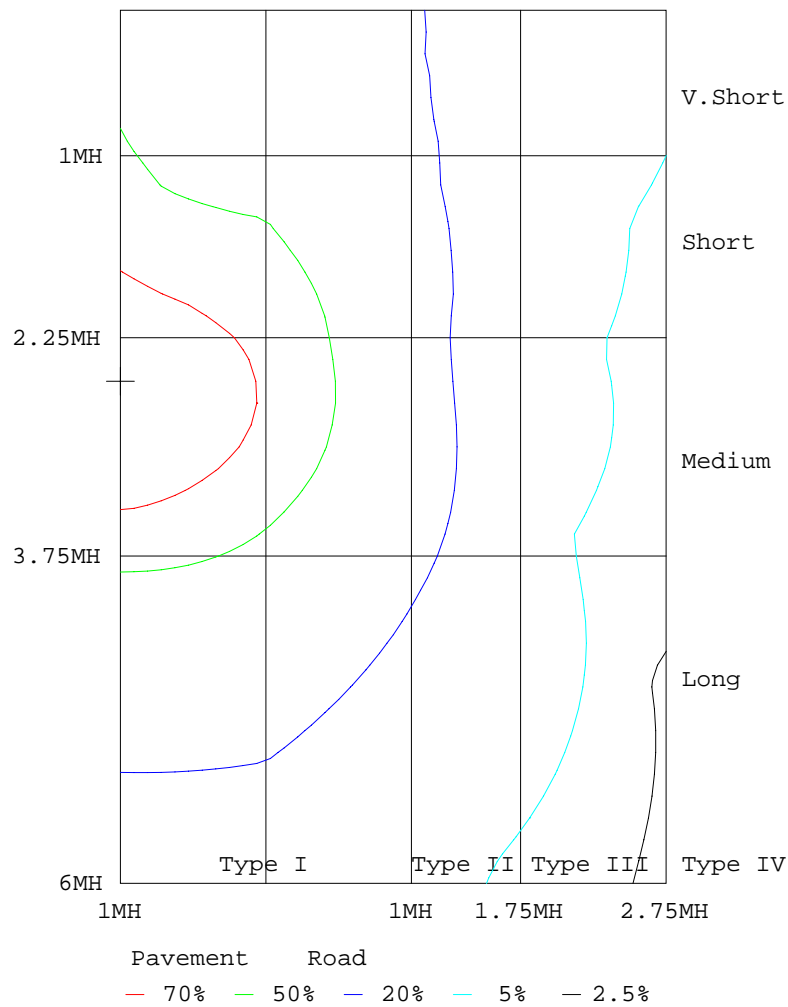
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793
5	797	801	804	807	808	807	807	807	808	807	804	801	797	793	787	784	780	779	777
10	805	813	820	823	827	825	825	825	827	823	820	813	805	796	787	778	770	765	763
15	825	837	844	846	845	842	838	842	845	846	844	837	825	807	789	772	758	751	747
20	848	866	875	874	867	860	856	860	867	874	875	866	848	821	793	766	745	730	726
25	879	904	913	908	894	880	874	880	894	908	913	904	879	841	797	759	727	703	695
30	926	954	953	941	921	905	898	905	921	941	953	954	926	865	804	748	701	670	660
35	981	1007	996	973	958	940	931	940	958	973	996	1007	981	896	809	732	668	628	618
40	1033	1057	1036	1009	1002	992	981	992	1002	1009	1036	1057	1033	934	809	707	630	580	566
45	1086	1103	1076	1054	1069	1069	1057	1069	1069	1054	1076	1103	1086	975	804	670	580	524	510
50	1133	1143	1121	1130	1170	1161	1140	1161	1170	1130	1121	1143	1133	1012	789	621	518	461	448
55	1195	1210	1205	1265	1290	1213	1153	1213	1290	1265	1205	1210	1195	1037	764	554	444	393	381
60	1324	1370	1382	1470	1296	1009	889	1009	1296	1470	1382	1370	1324	1065	713	465	360	314	308
65	1543	1758	1824	1645	845	579	435	579	845	1645	1824	1758	1543	1072	613	312	251	226	221
70	1642	2195	2635	1040	280	155	149	155	280	1040	2635	2195	1642	980	389	178	132	141	134
75	1091	1490	1794	446	95.6	77.2	74.4	77.2	95.6	446	1794	1490	1091	616	179	88.2	72.0	67.1	67.2
80	367	422	383	112	34.8	31.6	32.0	31.6	34.8	112	383	422	367	158	46.6	31.5	32.1	29.1	31.1
85	33.2	45.9	44.8	16.3	7.28	6.87	7.18	6.87	7.28	16.3	44.8	45.9	33.2	13.7	10.5	8.41	8.26	8.05	9.01
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:  
Test Date:2020-12-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.1515A P:29.69W PF:0.8945 Freq:50.18Hz Lamp Flux:4240.91x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-30WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	793	793	793	793	793														
5	779	780	784	787	793														
10	765	770	778	787	796														
15	751	758	772	789	807														
20	730	745	766	793	821														
25	703	727	759	797	841														
30	670	701	748	804	865														
35	628	668	732	809	896														
40	580	630	707	809	934														
45	524	580	670	804	975														
50	461	518	621	789	1012														
55	393	444	554	764	1037														
60	314	360	465	713	1065														
65	226	251	312	613	1072														
70	141	132	178	389	980														
75	67.1	72.0	88.2	179	616														
80	29.1	32.1	31.5	46.6	158														
85	8.05	8.26	8.41	10.5	13.7														
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:  
Test Date:2020-12-26

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks: