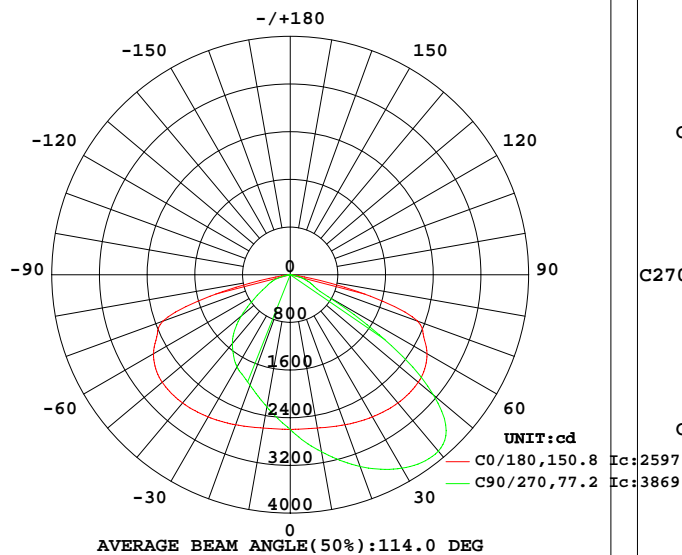
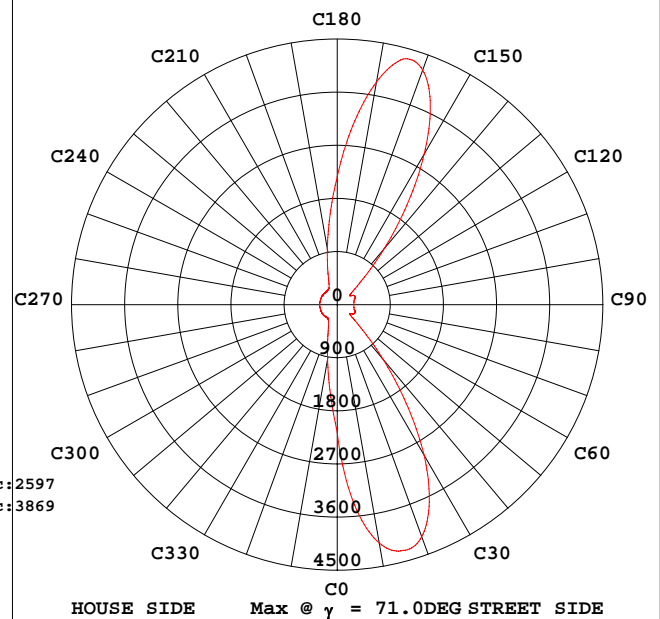


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.36 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	4311	η street_up(%)	0.0
NOMINAL POWER(W)	70	LOR(%)	100.0	η street_down(%)	68.0
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	10416	η house_up(%)	0.0
NOMINAL FLUX(lm)	10415.5	MAXIMUM @(C,γ )	165,71.0	η house_down(%)	32.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.975

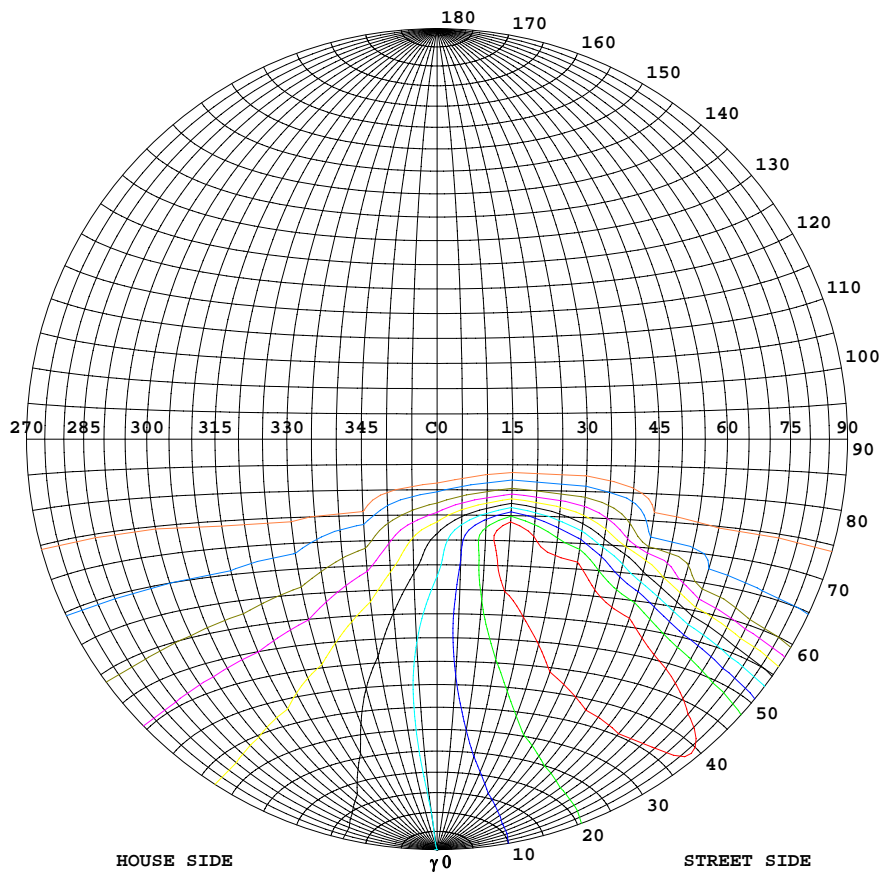
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-04-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



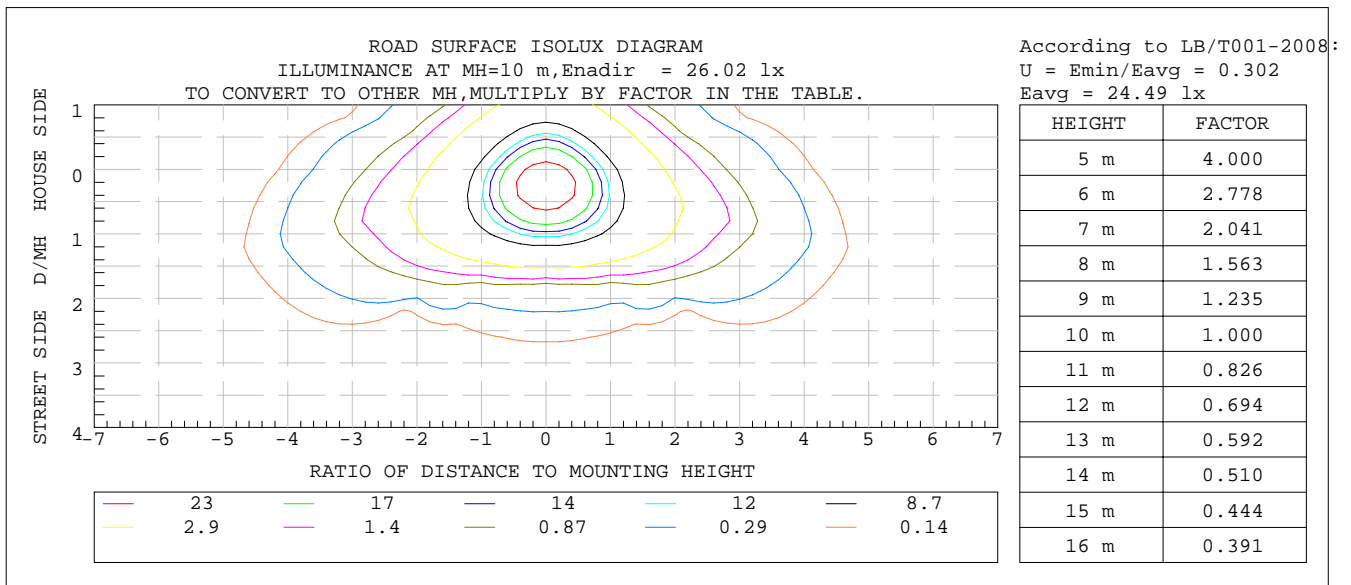
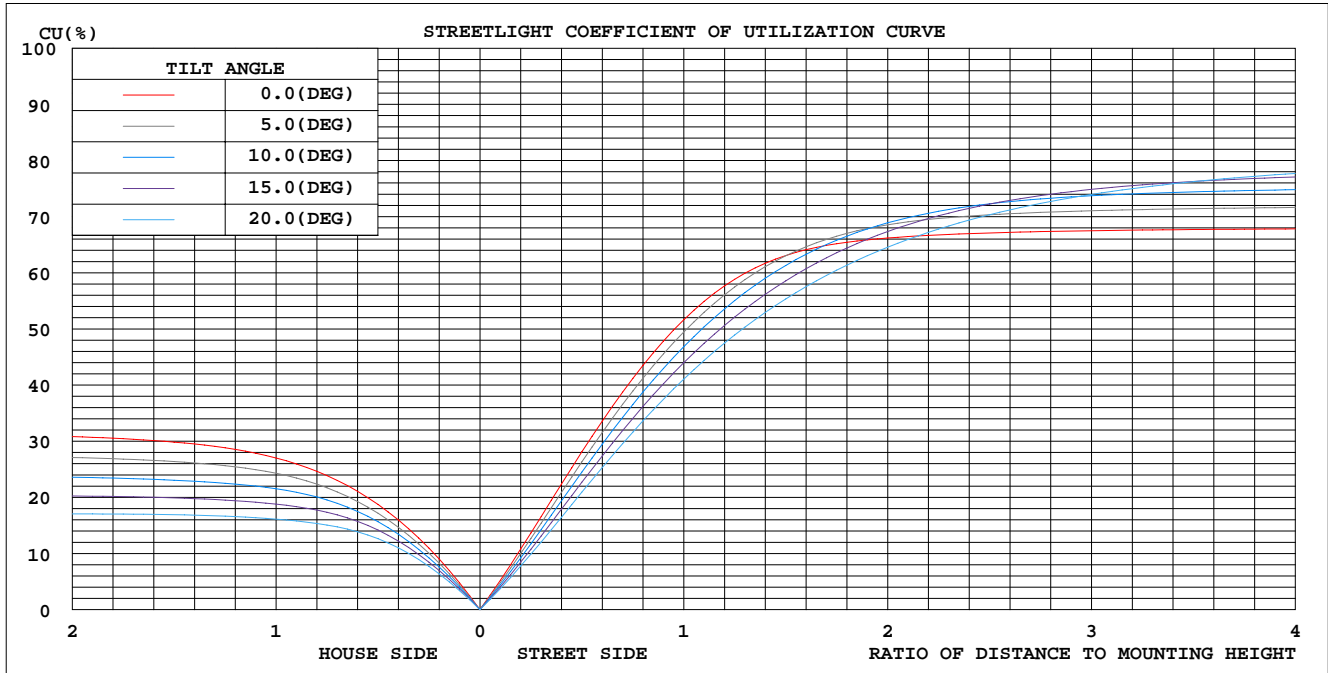
## Classification:

IES:Type II - Medium  
 CIE:Average - Long  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:92.54cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:92.54cd/klm  
 NRB 5101:Limited[6.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4311
90%	3880
80%	3449
70%	3017
60%	2586
50%	2155
40%	1724
30%	1293
20%	862
10%	431
5%	216

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [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: 2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

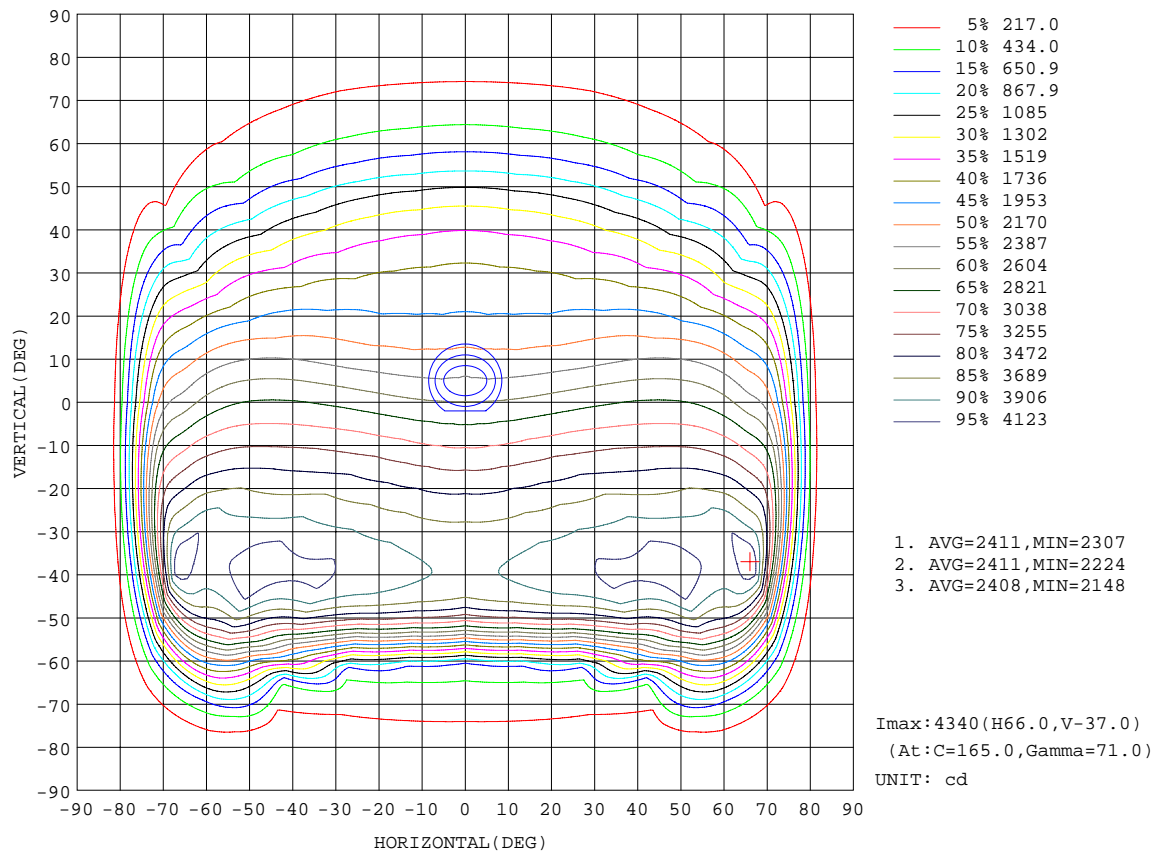
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2612	2911	3015	2911	2612	2347	2254	2347	0- 10	249.5	249.5	2.4,2.4
20	2680	3262	3423	3262	2680	2121	1974	2121	10- 20	754.2	1004	9.64,9.64
30	2755	3615	3747	3615	2755	1930	1787	1930	20- 30	1265	2268	21.8,21.8
40	2810	3936	3865	3936	2810	1680	1512	1680	30- 40	1748	4017	38.6,38.6
50	2805	4159	3132	4159	2805	1299	1072	1299	40- 50	2102	6118	58.7,58.7
60	2649	3376	731.3	3376	2649	709.3	573.3	709.3	50- 60	2031	8149	78.2,78.2
70	2273	925.0	308.5	925.0	2273	311.2	320.6	311.2	60- 70	1463	9612	92.3,92.3
80	363.6	118.1	74.34	118.1	363.6	87.84	74.61	87.84	70- 80	737.8	10350	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	65.38	10416	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10416	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10416	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10416	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10416	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10416	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10416	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10416	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10416	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10416	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:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

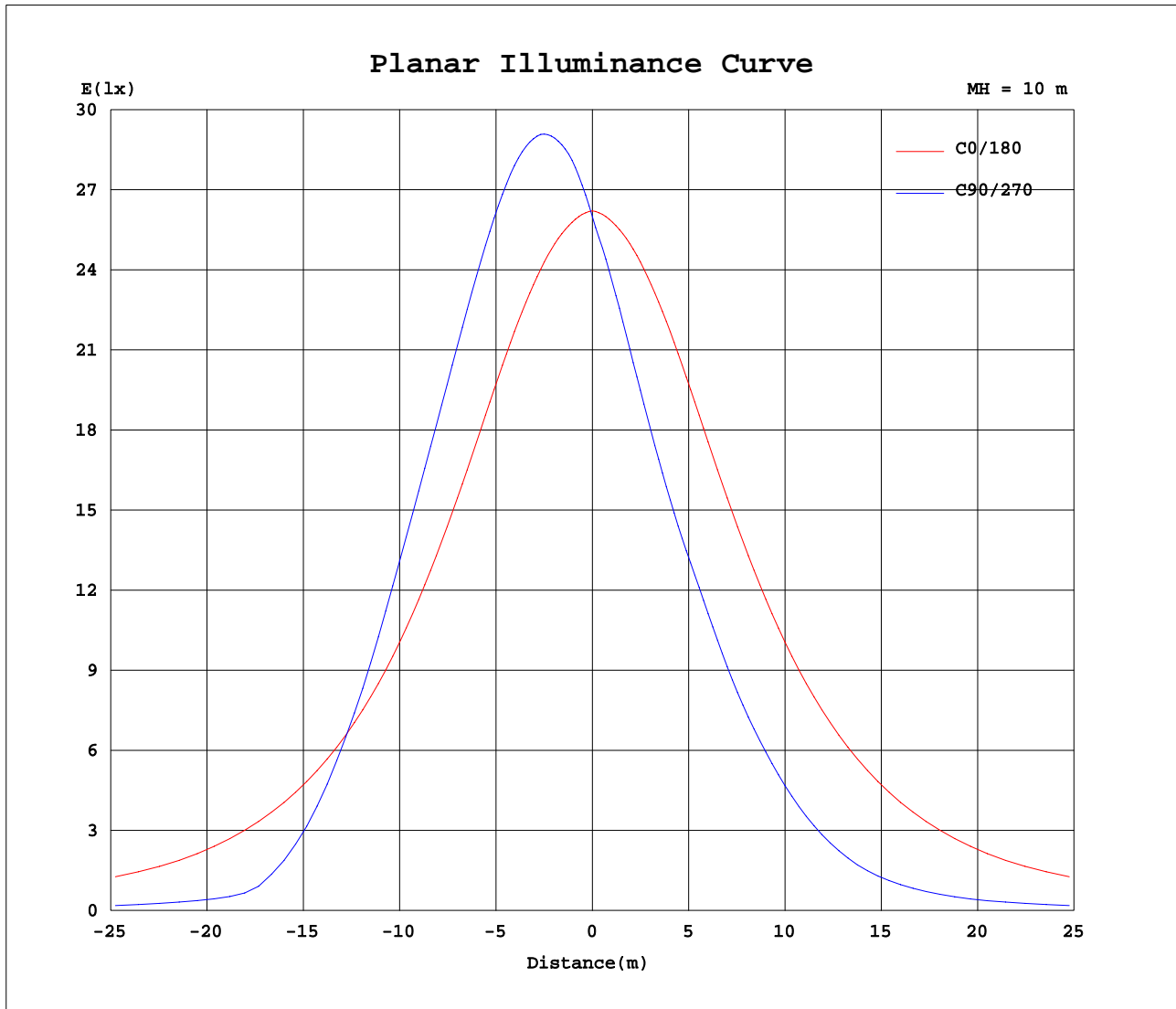
Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



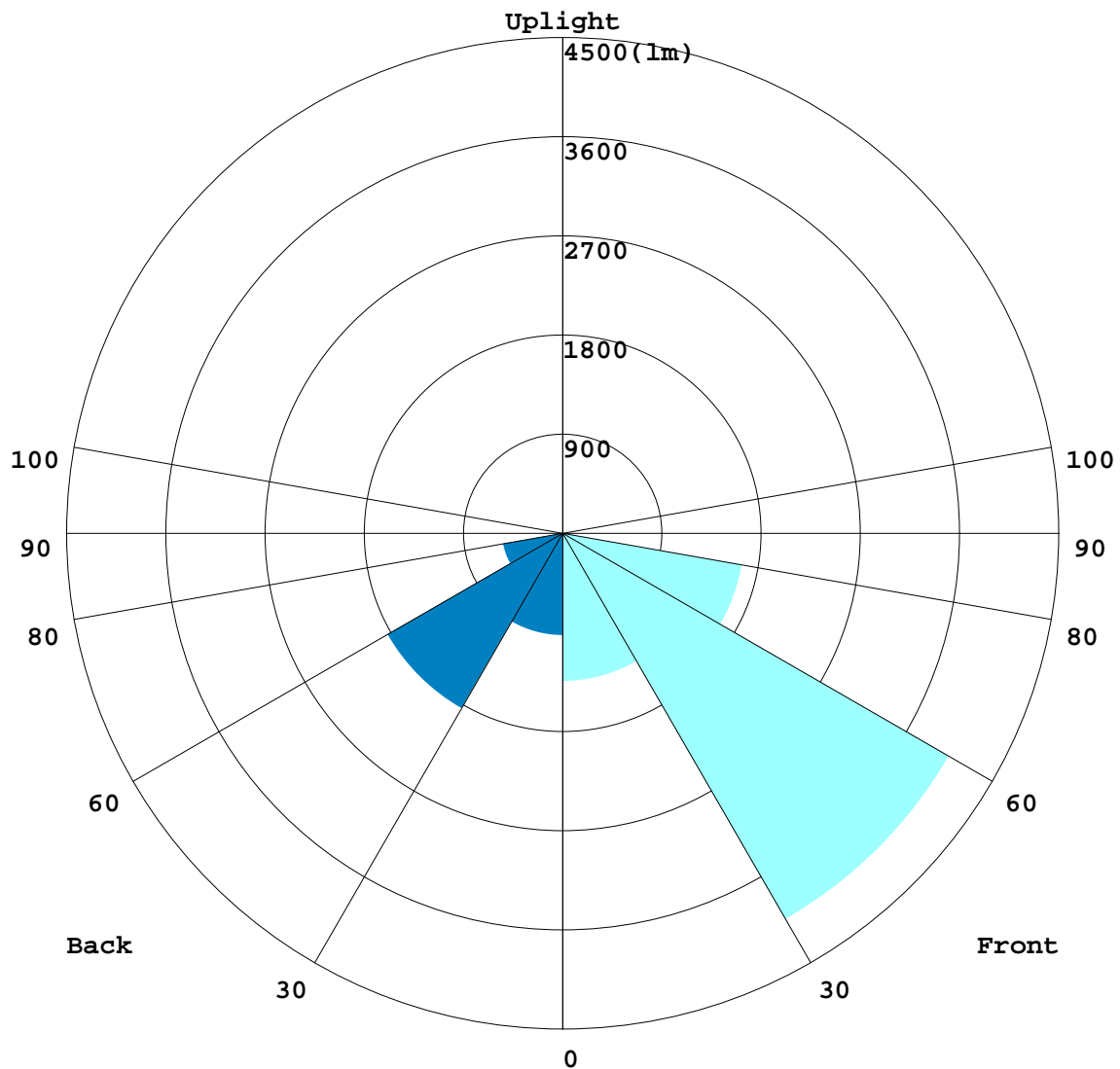
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	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:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1342.7	12.9
FM - Front-Medium(30-60)	4045.4	38.8
FH - Front-High(60-80)	1652.3	15.9
FVH - Front-Very High(80-90)	47.193	0.5
Total Forward Light	7087.5	68.0

BL - Back-Low(0-30)	925.79	8.9
BM - Back-Medium(30-60)	1835.6	17.6
BH - Back-High(60-80)	548.37	5.3
BVH - Back-Very High(80-90)	18.188	0.2
Total Back Light	3328	32.0

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	3328	0	3328
Street Side	7087.5	0	7087.5

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-13

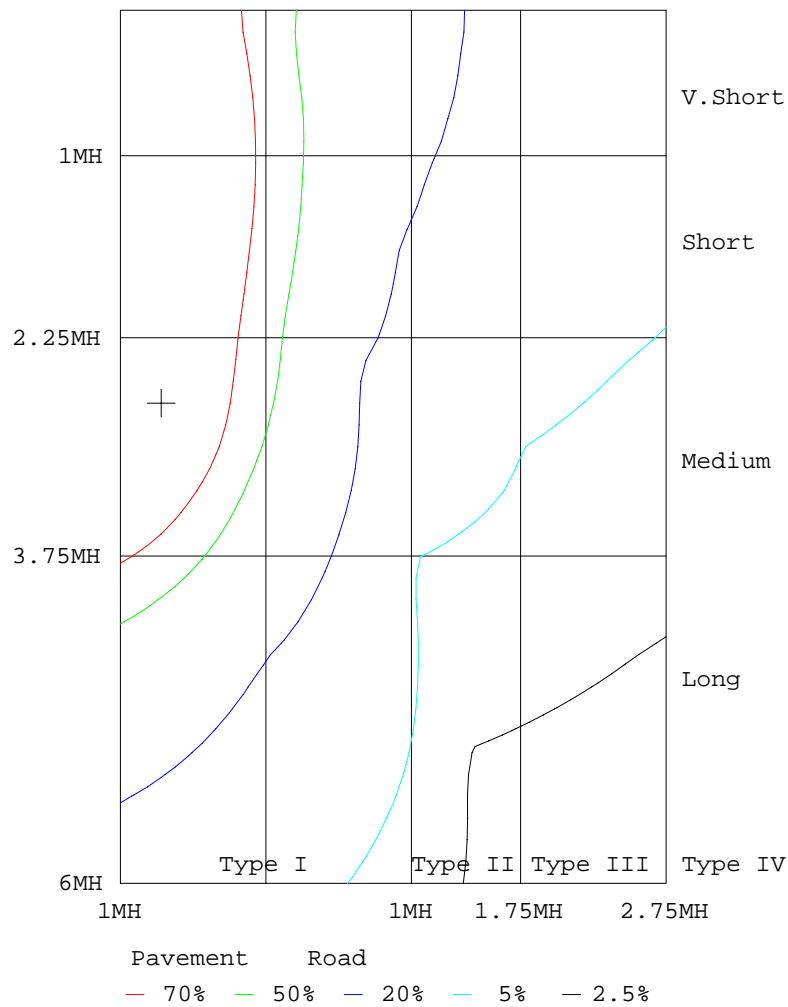
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	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:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597	2597
5	2596	2651	2704	2748	2782	2805	2813	2805	2782	2748	2704	2651	2596	2545	2502	2468	2441	2425	2421
10	2612	2723	2827	2911	2965	3003	3015	3003	2965	2911	2827	2723	2612	2510	2421	2347	2292	2263	2254
15	2642	2814	2964	3080	3158	3208	3224	3208	3158	3080	2964	2814	2642	2484	2344	2230	2153	2113	2104
20	2680	2913	3111	3262	3350	3405	3423	3405	3350	3262	3111	2913	2680	2459	2264	2121	2029	1984	1974
25	2719	3014	3261	3440	3540	3586	3601	3586	3540	3440	3261	3014	2719	2430	2185	2017	1923	1881	1870
30	2755	3113	3414	3615	3707	3741	3747	3741	3707	3615	3414	3113	2755	2396	2105	1930	1833	1795	1787
35	2785	3208	3569	3779	3852	3862	3846	3862	3852	3779	3569	3208	2785	2352	2022	1823	1720	1670	1660
40	2810	3303	3727	3936	3968	3917	3865	3917	3968	3936	3727	3303	2810	2295	1916	1680	1571	1521	1512
45	2818	3405	3881	4084	3996	3828	3700	3828	3996	4084	3881	3405	2818	2206	1759	1509	1401	1336	1322
50	2805	3529	4040	4159	3796	3384	3132	3384	3796	4159	4040	3529	2805	2071	1551	1299	1170	1088	1072
55	2756	3681	4212	4012	3107	2429	2074	2429	3107	4012	4212	3681	2756	1876	1294	1022	884	804	790
60	2649	3861	4250	3376	1880	1090	731	1090	1880	3376	4250	3861	2649	1597	971	709	619	577	573
65	2471	4069	4010	2259	597	453	424	453	597	2259	4010	4069	2471	1205	613	463	432	420	421
70	2273	4280	3180	925	352	322	309	322	352	925	3180	4280	2273	717	341	311	319	319	321
75	1395	3370	1813	269	207	200	192	200	207	269	1813	3370	1395	268	198	195	206	202	200
80	364	964	577	118	90.7	82.8	74.3	82.8	90.7	118	577	964	364	95.2	90.8	87.8	98.2	76.7	74.6
85	29.5	72.3	102	29.2	20.8	18.3	16.1	18.3	20.8	29.2	102	72.3	29.5	25.5	22.5	18.4	21.8	18.2	17.7
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:  
Test Date:2020-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.3253A P:69.74W PF:0.9779 Freq:49.99Hz Lamp Flux:10415.5x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-70WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2597	2597	2597	2597	2597														
5	2425	2441	2468	2502	2545														
10	2263	2292	2347	2421	2510														
15	2113	2153	2230	2344	2484														
20	1984	2029	2121	2264	2459														
25	1881	1923	2017	2185	2430														
30	1795	1833	1930	2105	2396														
35	1670	1720	1823	2022	2352														
40	1521	1571	1680	1916	2295														
45	1336	1401	1509	1759	2206														
50	1088	1170	1299	1551	2071														
55	804	884	1022	1294	1876														
60	577	619	709	971	1597														
65	420	432	463	613	1205														
70	319	319	311	341	717														
75	202	206	195	198	268														
80	76.7	98.2	87.8	90.8	95.2														
85	18.2	21.8	18.4	22.5	25.5														
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:  
Test Date:2020-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks: