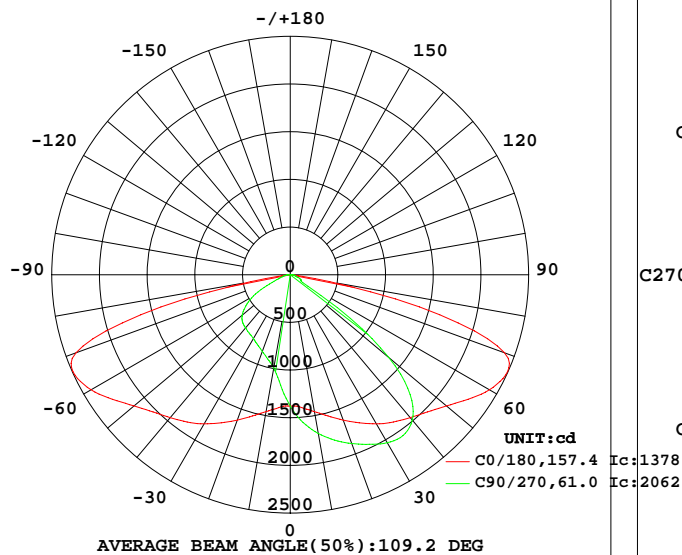
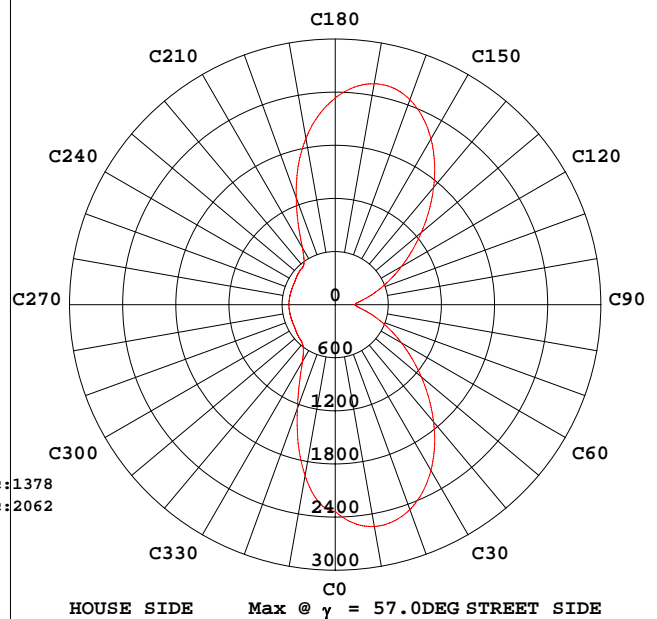


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 199.09 lm/W			
MODEL	5050	Imax(cd)	2534	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	$\eta$ street_down(%)	64.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	5981	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	5981.42	MAXIMUM @(C, $\gamma$ )	15,57.0	$\eta$ house_down(%)	35.1
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	20.430

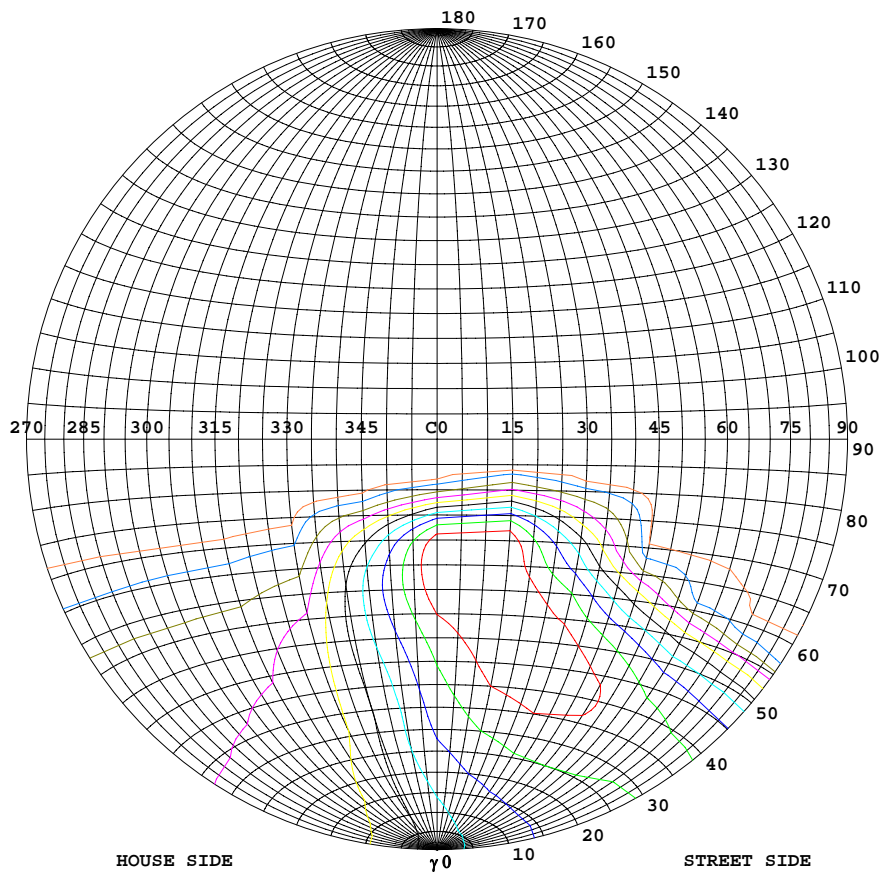
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



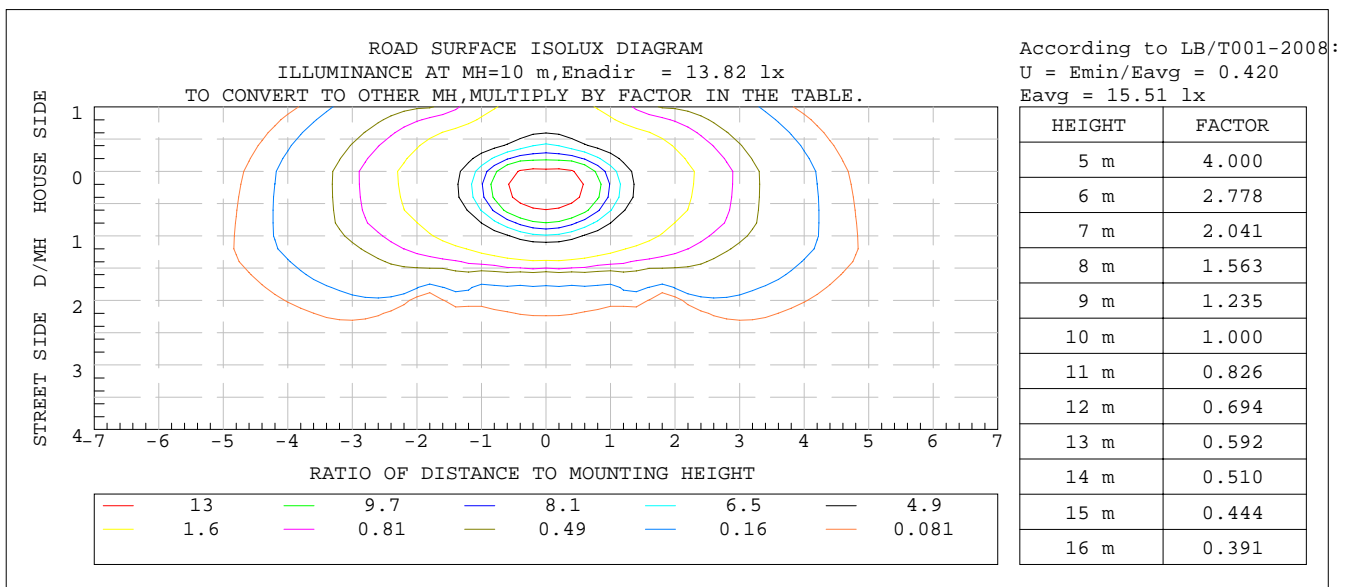
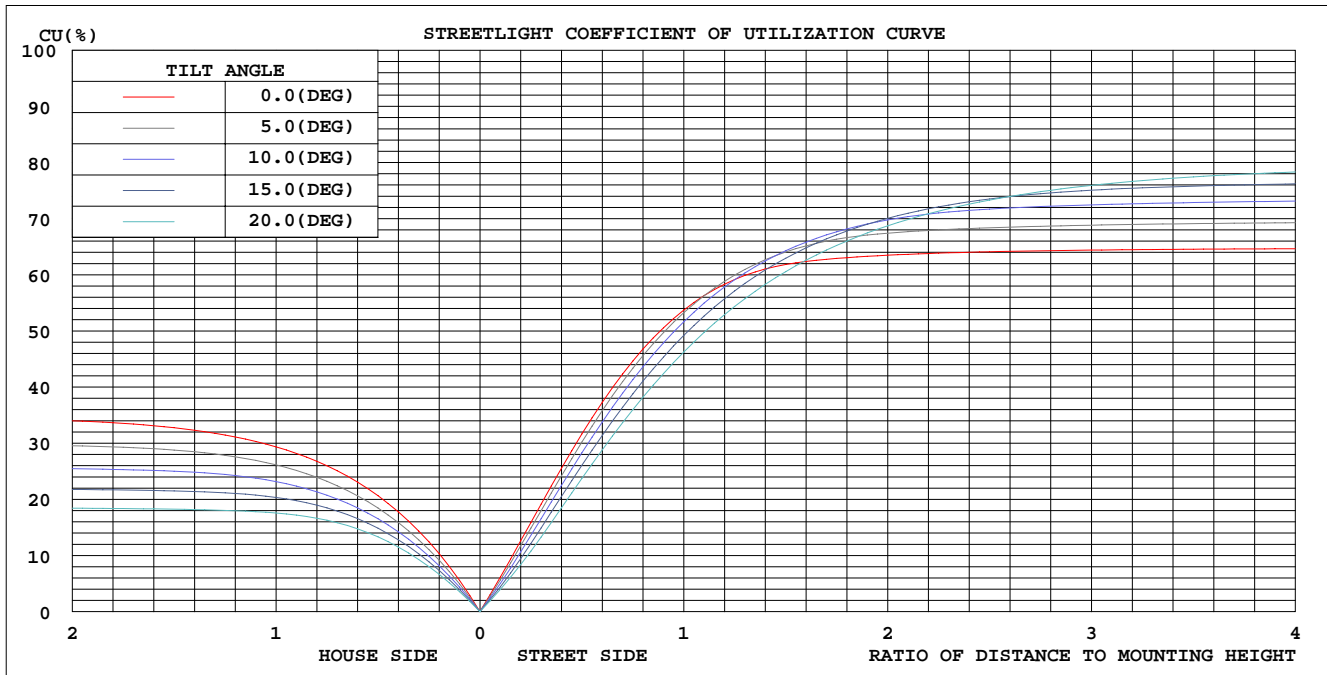
## Classification:

IES:Type II - Short  
 CIE:Narrow - Short  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:132.1cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:132.1cd/klm  
 NRB 5101:Semi limited[27.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2534
90%	2281
80%	2027
70%	1774
60%	1520
50%	1267
40%	1014
30%	760
20%	507
10%	253
5%	127

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-10-30

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [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: 2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.802m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

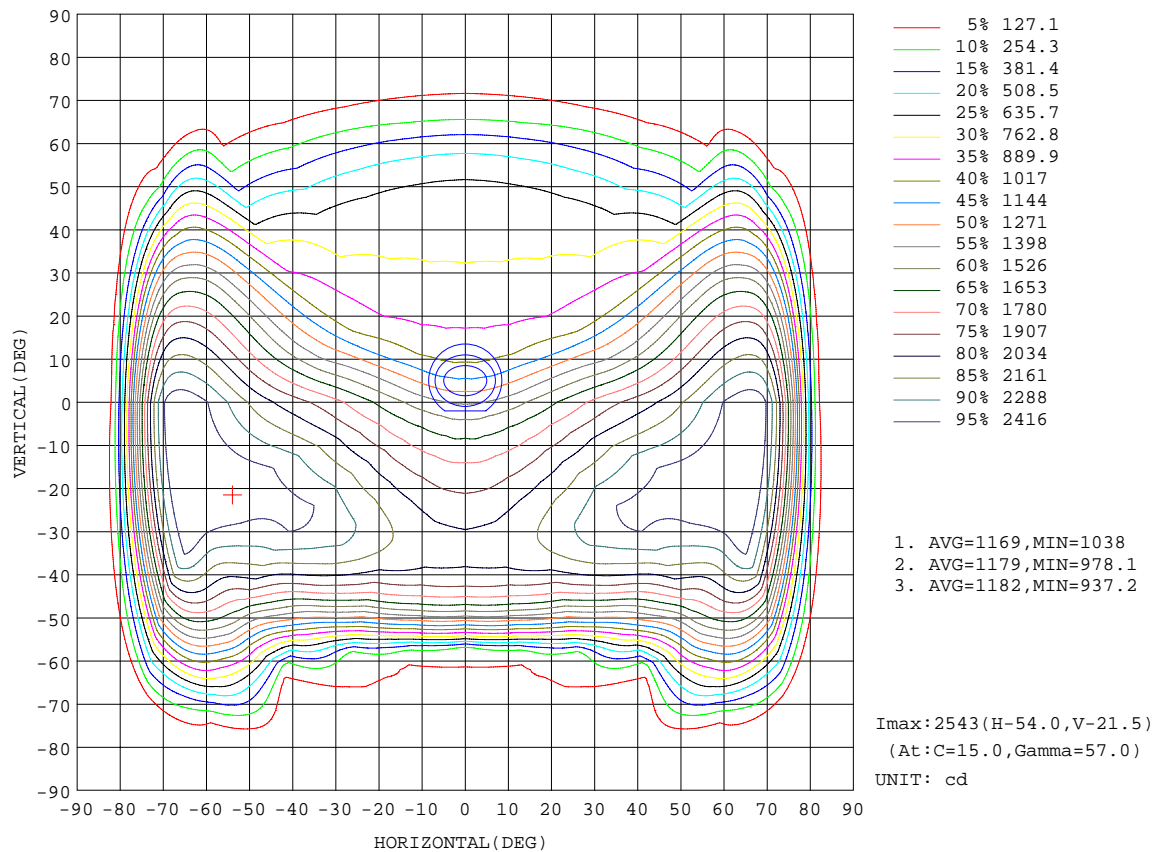
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1457	1649	1689	1649	1457	1118	996.2	1118	0- 10	131.9	131.9	2.21,2.21
20	1622	1892	1883	1892	1622	966.0	857.5	966.0	10- 20	405.4	537.3	8.98,8.98
30	1805	2147	2034	2147	1805	871.1	774.4	871.1	20- 30	699.0	1236	20.7,20.7
40	1957	2301	1990	2301	1957	794.8	729.1	794.8	30- 40	992.1	2228	37.3,37.3
50	2140	2038	1345	2038	2140	695.4	658.1	695.4	40- 50	1199	3428	57.3,57.3
60	2413	1201	133.2	1201	2413	475.5	445.7	475.5	50- 60	1138	4565	76.3,76.3
70	2389	134.8	97.37	134.8	2389	163.4	149.0	163.4	60- 70	874.7	5440	90.9,90.9
80	422.0	75.87	47.48	75.87	422.0	49.82	64.46	49.82	70- 80	486.9	5927	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	54.62	5981	100,100
100	0	0	0	0	0	0	0	0	90-100	0	5981	100,100
110	0	0	0	0	0	0	0	0	100-110	0	5981	100,100
120	0	0	0	0	0	0	0	0	110-120	0	5981	100,100
130	0	0	0	0	0	0	0	0	120-130	0	5981	100,100
140	0	0	0	0	0	0	0	0	130-140	0	5981	100,100
150	0	0	0	0	0	0	0	0	140-150	0	5981	100,100
160	0	0	0	0	0	0	0	0	150-160	0	5981	100,100
170	0	0	0	0	0	0	0	0	160-170	0	5981	100,100
180	0	0	0	0	0	0	0	0	170-180	0	5981	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:2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

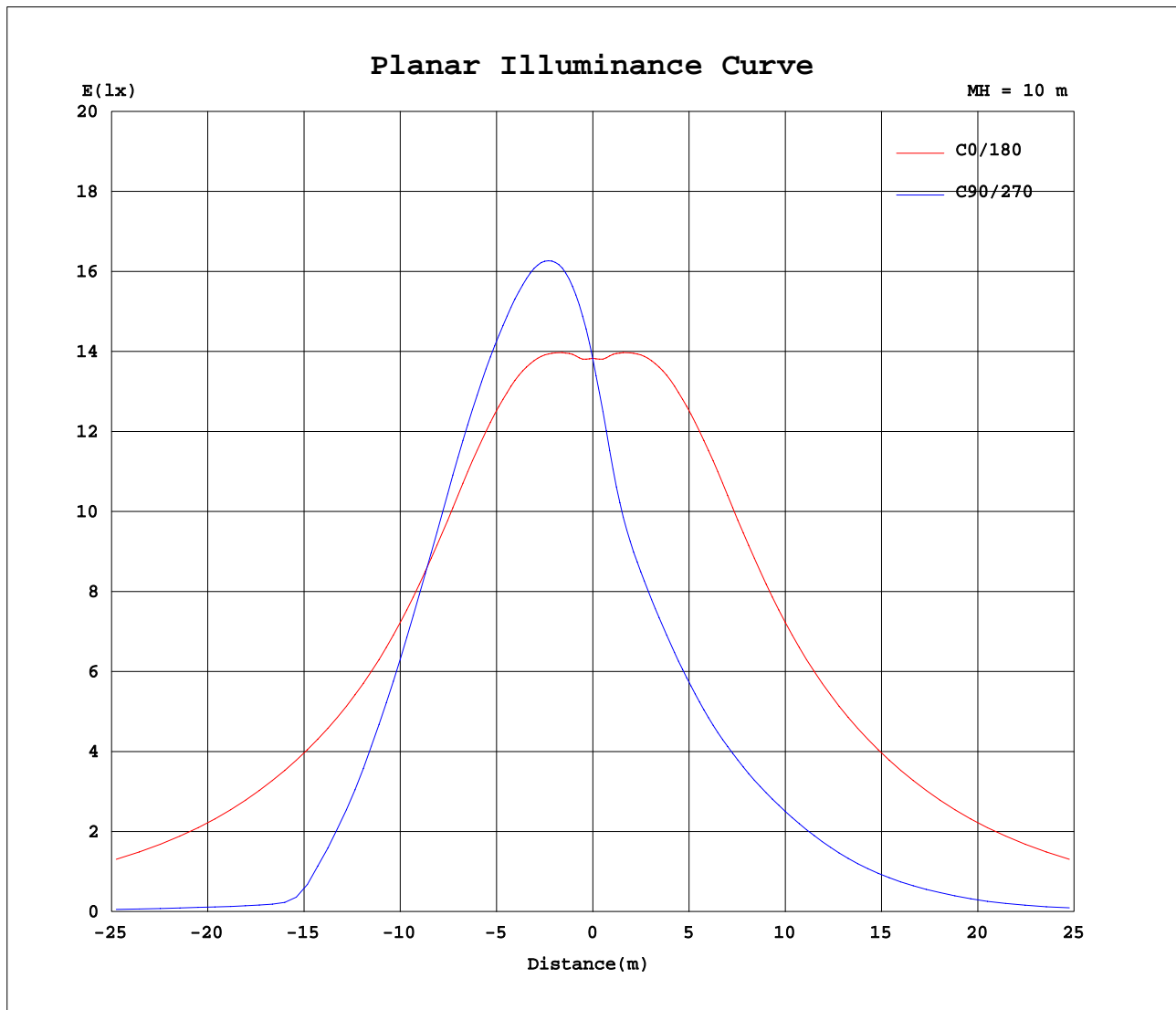
Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.802m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



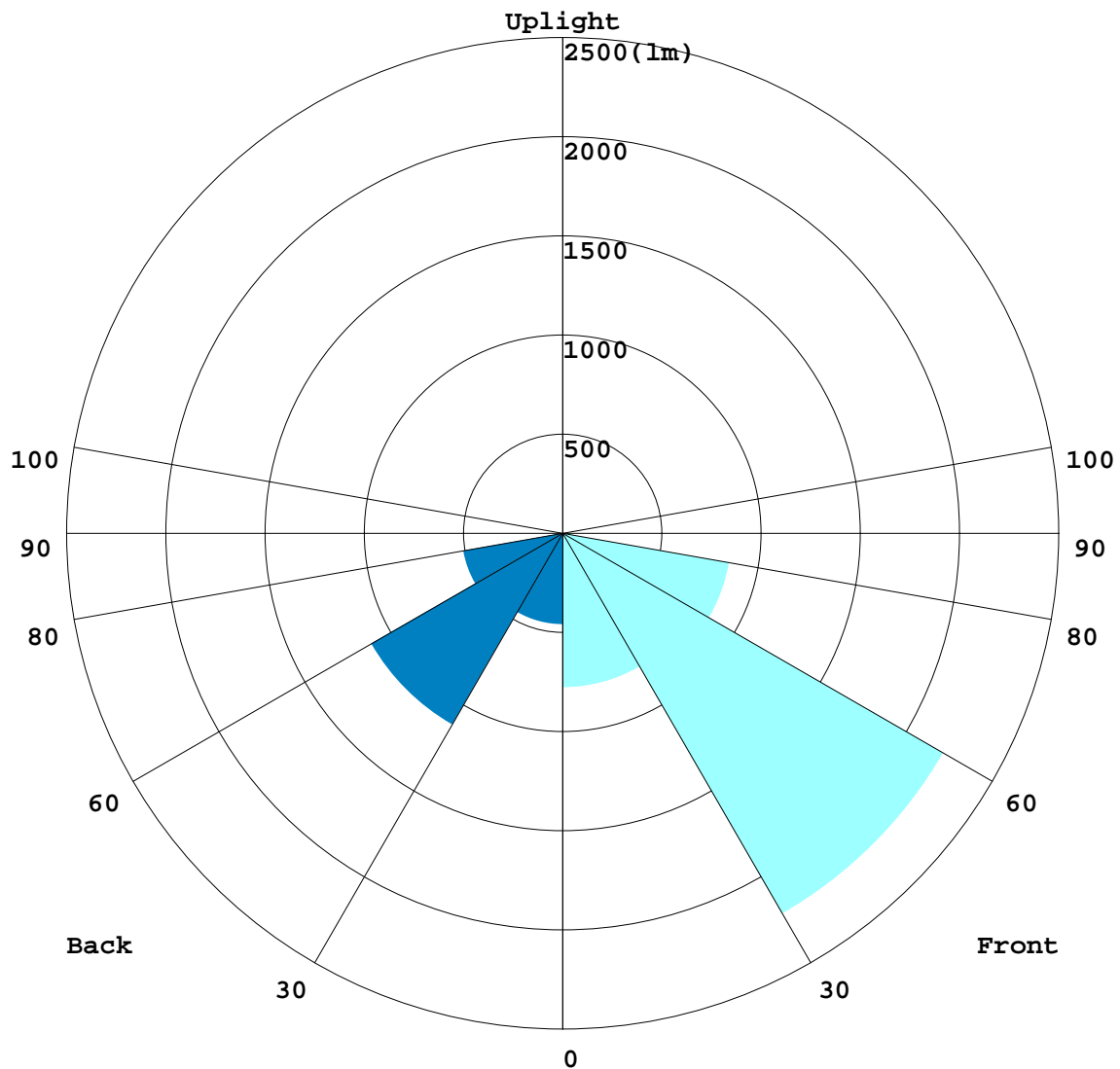
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.802m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	777.06	13.0
FM - Front-Medium(30-60)	2215.1	37.0
FH - Front-High(60-80)	852.7	14.3
FVH - Front-Very High(80-90)	37.918	0.6
Total Forward Light	3882.8	64.9

BL - Back-Low(0-30)	459.28	7.7
BM - Back-Medium(30-60)	1113.7	18.6
BH - Back-High(60-80)	508.95	8.5
BVH - Back-Very High(80-90)	16.702	0.3
Total Back Light	2098.7	35.1

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2098.7	0	2098.7
Street Side	3882.8	0	3882.8

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-10-30

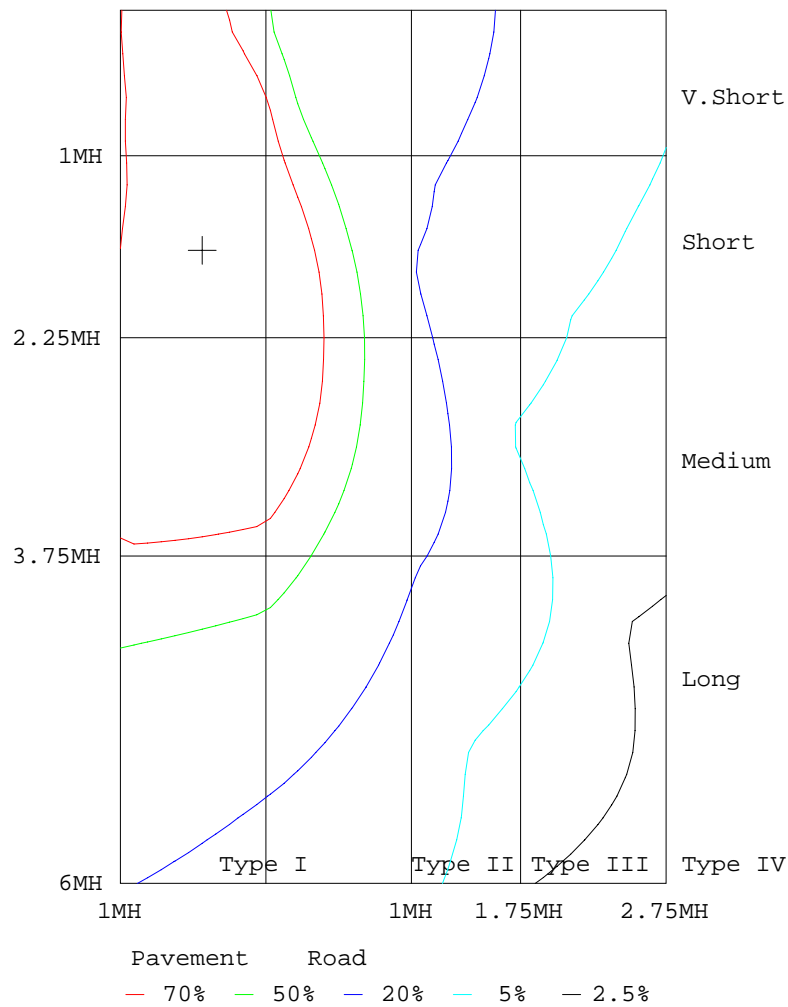
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-10-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	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	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378	1378
5	1399	1445	1486	1513	1532	1549	1555	1549	1532	1513	1486	1445	1399	1342	1287	1239	1198	1170	1163
10	1457	1543	1607	1649	1671	1681	1689	1681	1671	1649	1607	1543	1457	1350	1228	1118	1043	1008	996
15	1534	1649	1726	1771	1788	1794	1795	1794	1788	1771	1726	1649	1534	1376	1183	1031	956	926	914
20	1622	1769	1854	1892	1899	1893	1883	1893	1899	1892	1854	1769	1622	1405	1134	966	897	869	857
25	1713	1889	1988	2023	2007	1980	1962	1980	2007	2023	1988	1889	1713	1423	1073	914	849	822	811
30	1805	2018	2130	2147	2101	2053	2034	2053	2101	2147	2130	2018	1805	1420	1027	871	810	786	774
35	1885	2147	2265	2251	2150	2078	2060	2078	2150	2251	2265	2147	1885	1410	998	836	777	758	749
40	1957	2272	2377	2301	2108	2016	1990	2016	2108	2301	2377	2272	1957	1438	974	795	746	735	729
45	2036	2381	2437	2233	1939	1828	1779	1828	1939	2233	2437	2381	2036	1488	942	752	711	708	707
50	2140	2469	2385	2038	1638	1447	1345	1447	1638	2038	2385	2469	2140	1553	888	695	660	659	658
55	2276	2527	2234	1689	1126	784	603	784	1126	1689	2234	2527	2276	1609	794	605	573	567	568
60	2413	2515	2029	1201	426	146	133	146	426	1201	2029	2515	2413	1622	646	476	449	443	446
65	2492	2463	1703	598	131	125	123	125	131	598	1703	2463	2492	1522	447	320	300	274	272
70	2389	2405	1373	135	114	102	97.4	102	114	135	1373	2405	2389	1235	239	163	145	145	149
75	1623	1842	870	111	77.8	60.8	60.2	60.8	77.8	111	870	1842	1623	659	100	86.6	90.1	87.0	87.0
80	422	790	318	75.9	45.9	48.2	47.5	48.2	45.9	75.9	318	790	422	104	50.6	49.8	60.3	64.8	64.5
85	34.7	67.2	39.1	28.1	31.3	36.2	34.4	36.2	31.3	28.1	39.1	67.2	34.7	18.3	16.4	24.4	33.4	34.9	35.2
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:2020-10-30

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.92V I:0.6999A P:30.04W PF:1.000 Freq:0Hz Lamp Flux:5981.42x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1378	1378	1378	1378	1378														
5	1170	1198	1239	1287	1342														
10	1008	1043	1118	1228	1350														
15	926	956	1031	1183	1376														
20	869	897	966	1134	1405														
25	822	849	914	1073	1423														
30	786	810	871	1027	1420														
35	758	777	836	998	1410														
40	735	746	795	974	1438														
45	708	711	752	942	1488														
50	659	660	695	888	1553														
55	567	573	605	794	1609														
60	443	449	476	646	1622														
65	274	300	320	447	1522														
70	145	145	163	239	1235														
75	87.0	90.1	86.6	100	659														
80	64.8	60.3	49.8	50.6	104														
85	34.9	33.4	24.4	16.4	18.3														
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:2020-10-30

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks: