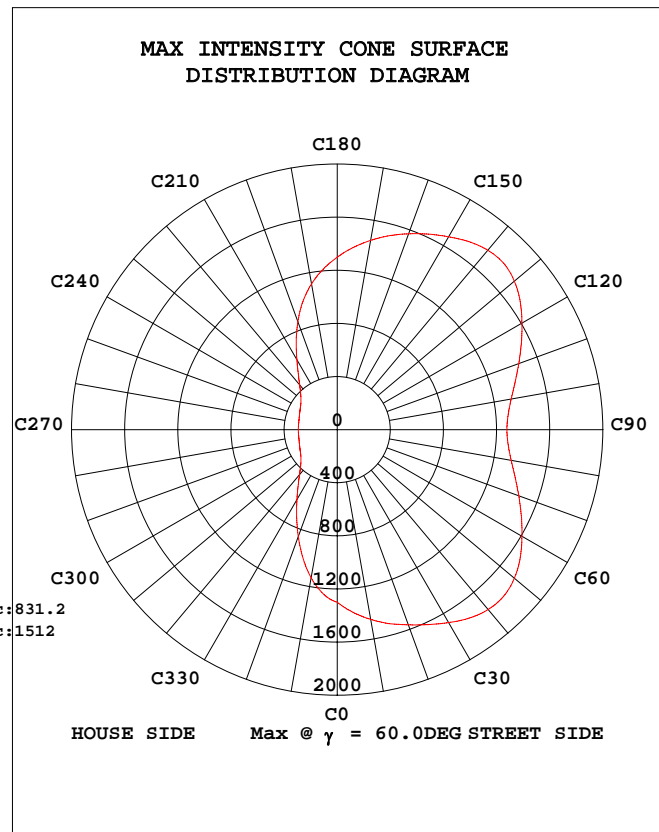
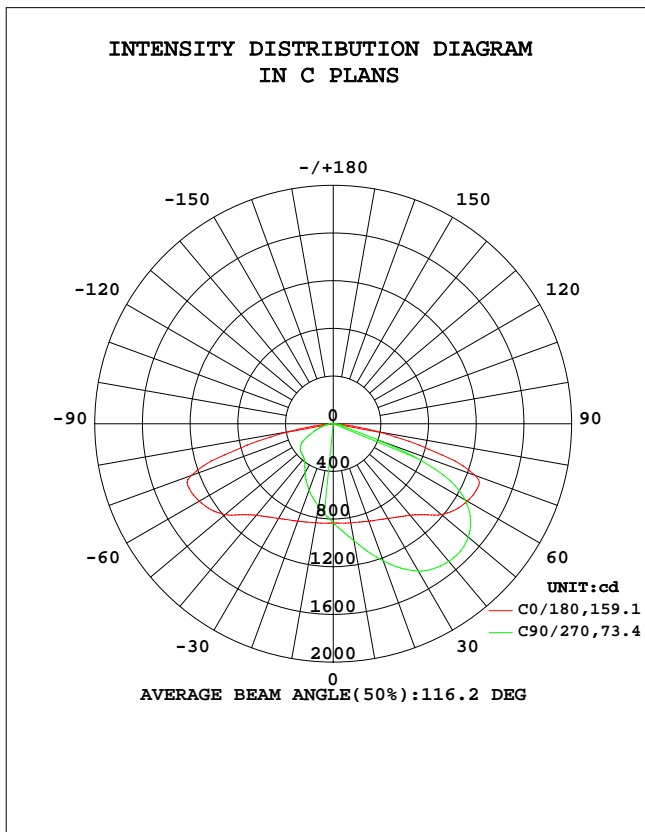


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 189.98 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	1773	η street_up(%)	0.0
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	69.7
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4740	η house_up(%)	0.0
NOMINAL FLUX(lm)	4740.28	MAXIMUM @(C,γ )	45,60.0	η house_down(%)	30.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.117

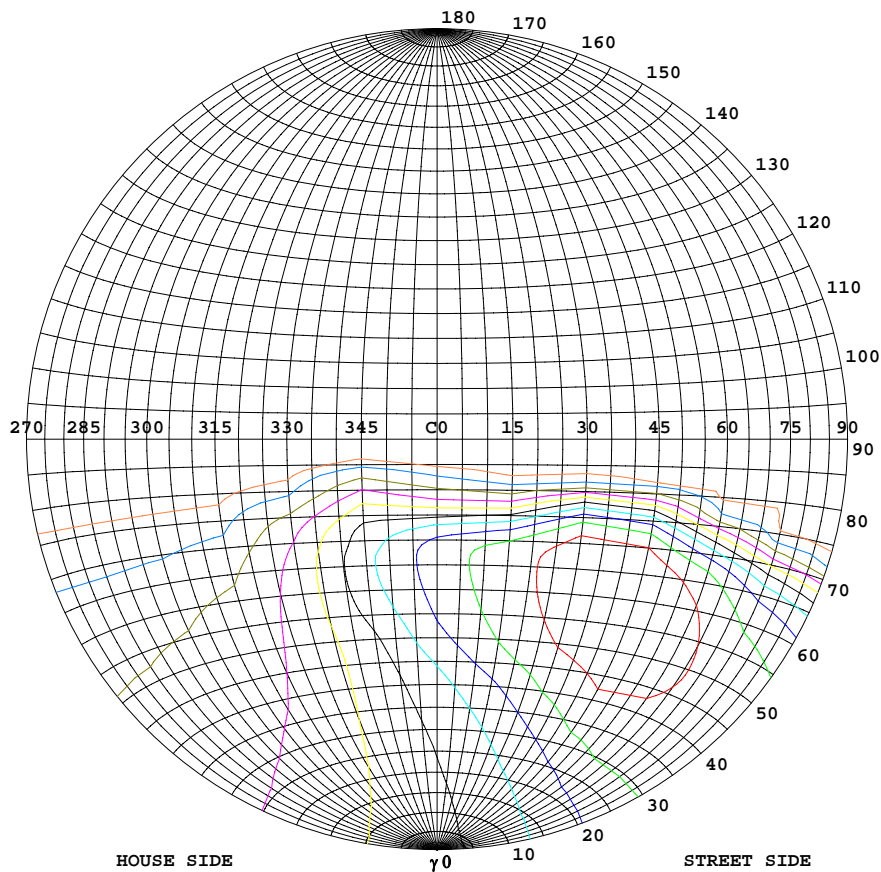


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-14

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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



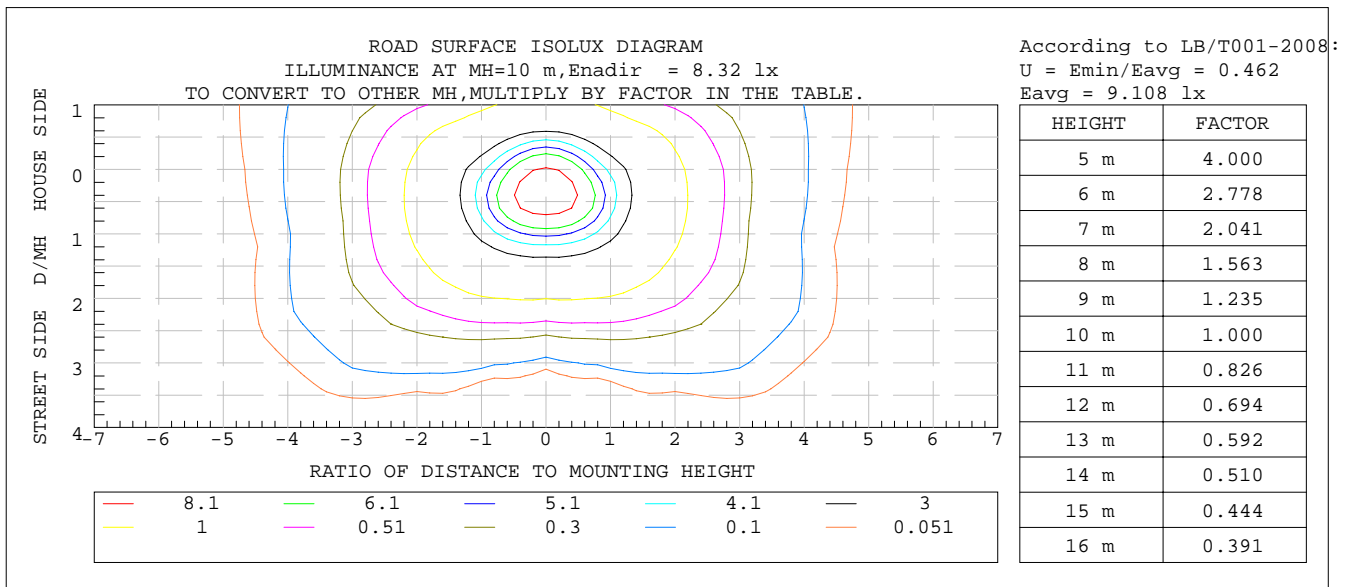
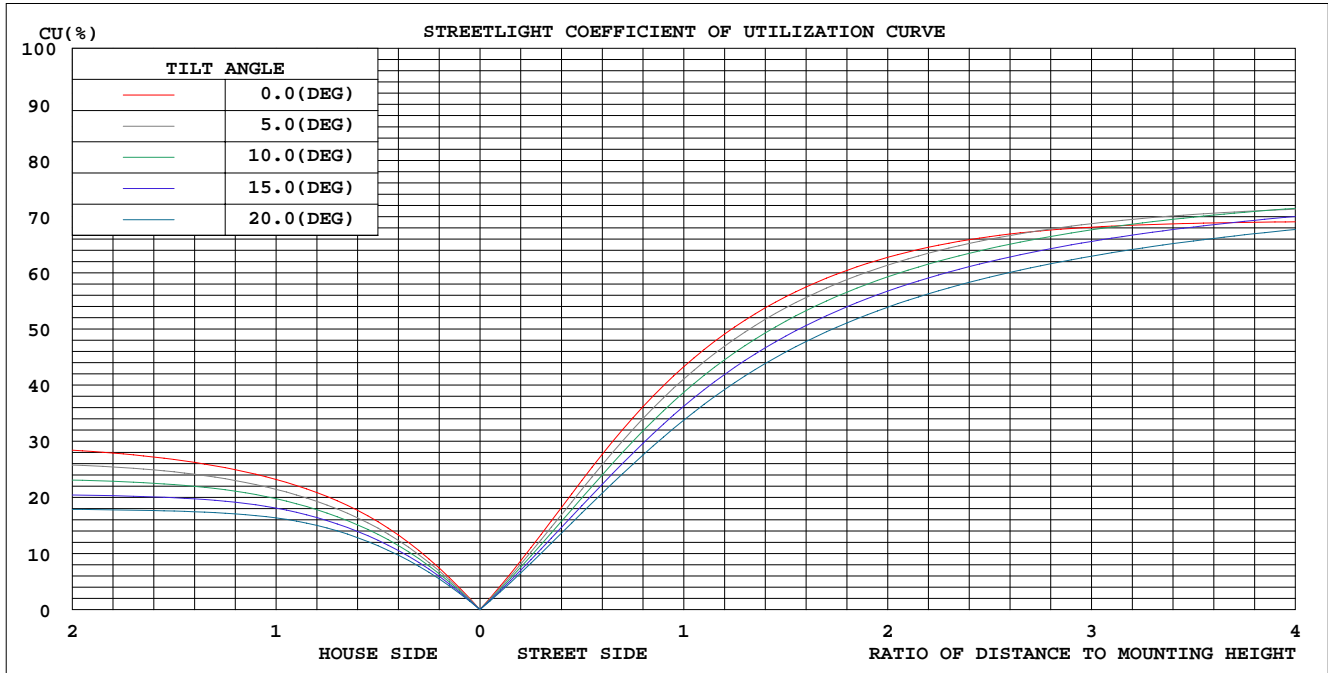
## Classification:

IES:Type IV - Short  
 CIE:Broad - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:113.7cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:113.7cd/klm  
 NRB 5101:Semi limited[22.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1773
90%	1596
80%	1418
70%	1241
60%	1064
50%	886
40%	709
30%	532
20%	355
10%	177
5%	89

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-14

$\gamma$  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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-14

$\gamma$  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:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

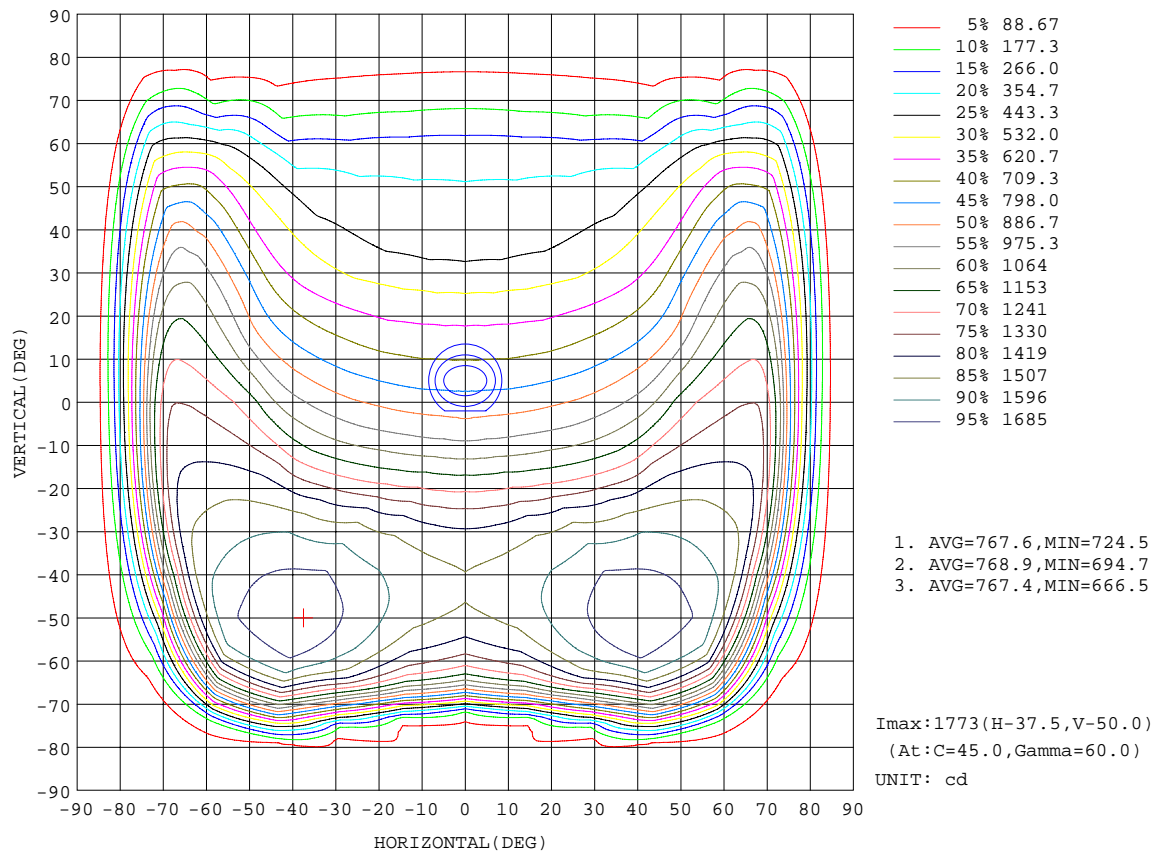
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	844.0	950.6	995.6	950.6	844.0	744.9	705.2	744.9	0- 10	80.26	80.26	1.69,1.69
20	870.7	1117	1223	1117	870.7	666.7	593.1	666.7	10- 20	246.7	327.0	6.9,6.9
30	917.2	1338	1427	1338	917.2	593.3	473.3	593.3	20- 30	426.5	753.4	15.9,15.9
40	1003	1562	1507	1562	1003	518.2	381.5	518.2	30- 40	614.6	1368	28.9,28.9
50	1185	1697	1479	1697	1185	460.4	358.1	460.4	40- 50	799.8	2168	45.7,45.7
60	1299	1773	1278	1773	1299	391.2	293.5	391.2	50- 60	955.8	3123	65.9,65.9
70	1268	1597	427.8	1597	1268	227.1	154.3	227.1	60- 70	975.1	4099	86.5,86.5
80	377.4	363.5	71.83	363.5	377.4	69.35	68.50	69.35	70- 80	564.6	4663	98.4,98.4
90	0	0	0	0	0	0	0	0	80- 90	77.06	4740	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4740	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4740	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4740	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4740	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4740	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4740	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4740	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4740	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4740	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:2020-08-14

$\gamma$  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

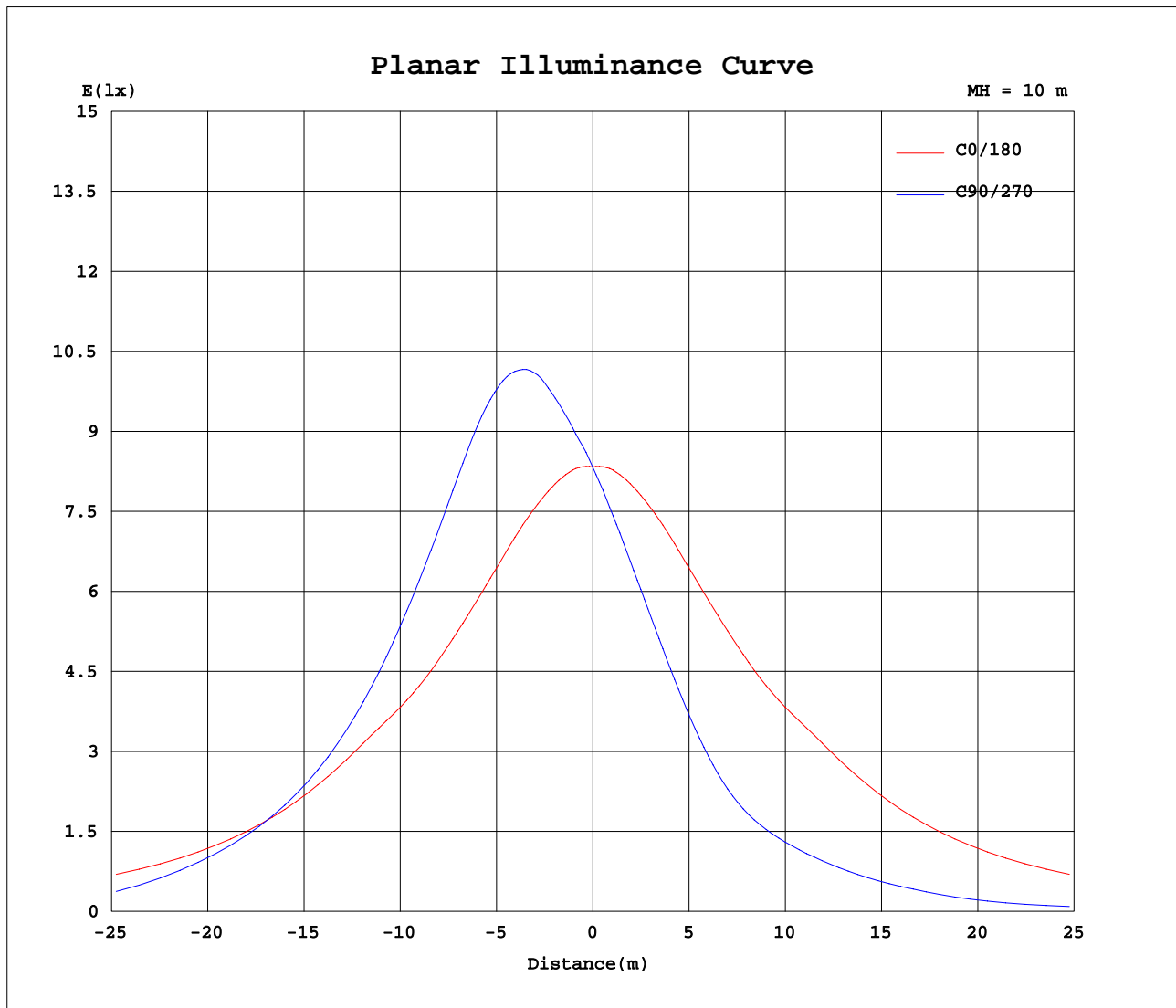
Test:U:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-14

$\gamma$  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



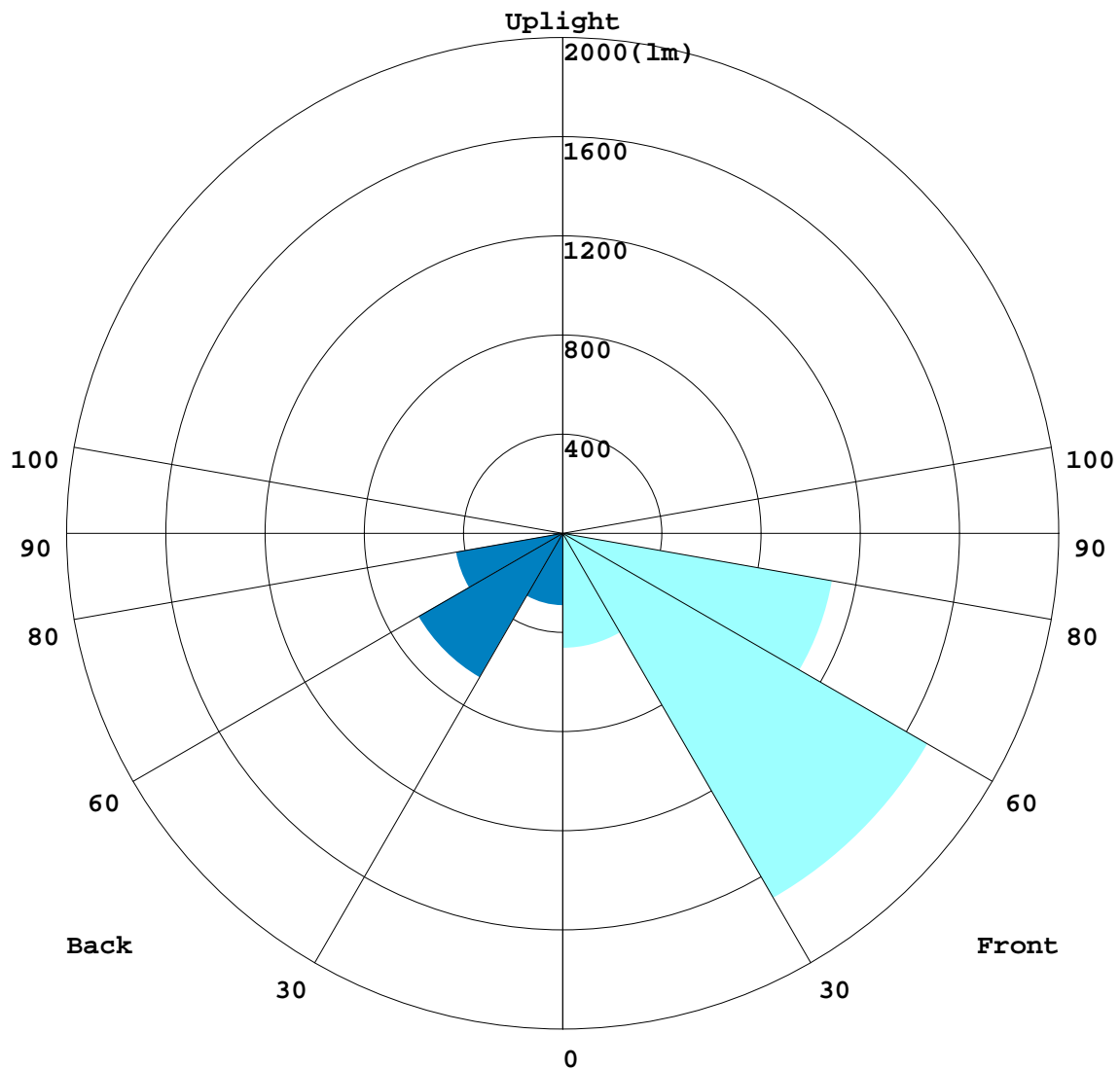
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-14

$\gamma$  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:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-14

$\gamma$  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:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	462.5	9.8
FM - Front-Medium(30-60)	1699.5	35.9
FH - Front-High(60-80)	1103.1	23.3
FVH - Front-Very High(80-90)	38.538	0.8
Total Forward Light	3303.6	69.7

BL - Back-Low(0-30)	290.91	6.1
BM - Back-Medium(30-60)	670.61	14.1
BH - Back-High(60-80)	436.59	9.2
BVH - Back-Very High(80-90)	38.518	0.8
Total Back Light	1436.6	30.3

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1436.6	0	1436.6
Street Side	3303.6	0	3303.6

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-14

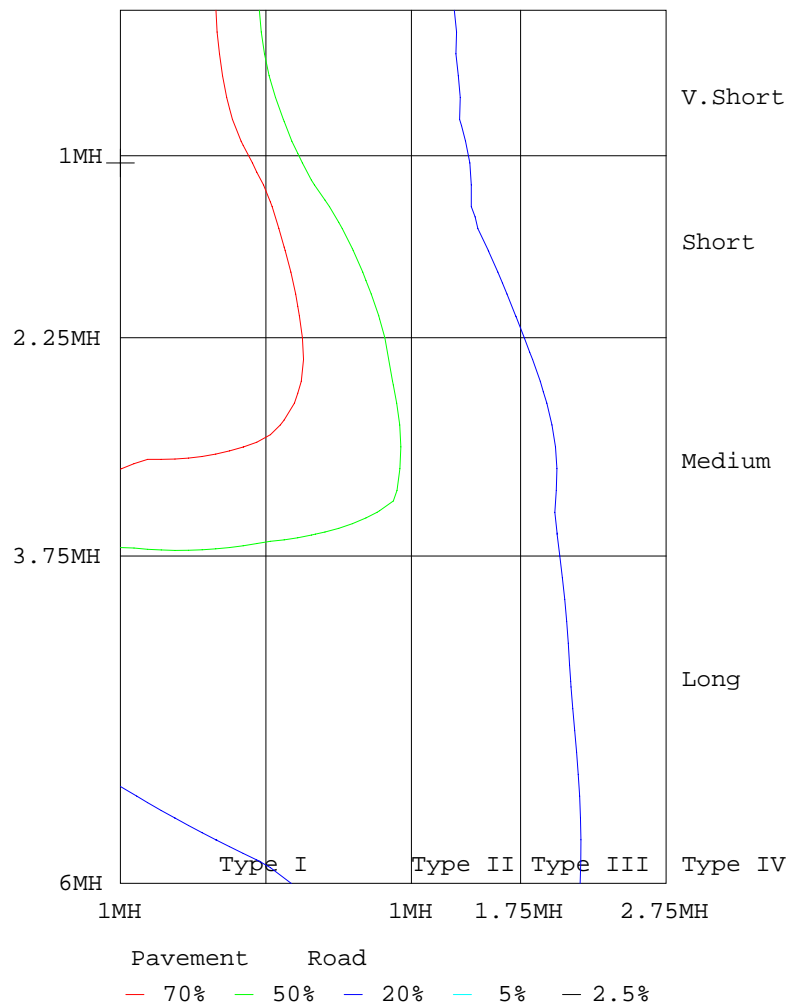
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-14

$\gamma$  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:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831	831
5	838	856	873	888	897	903	904	903	897	888	873	856	838	820	803	788	777	769	765
10	844	882	918	951	977	992	996	992	977	951	918	882	844	806	773	745	725	711	705
15	855	913	973	1028	1073	1101	1107	1101	1073	1028	973	913	855	797	746	704	675	657	649
20	871	952	1037	1117	1182	1216	1223	1216	1182	1117	1037	952	871	792	722	667	628	602	593
25	890	995	1110	1219	1298	1332	1335	1332	1298	1219	1110	995	890	790	701	630	578	545	534
30	917	1050	1195	1338	1423	1432	1427	1432	1423	1338	1195	1050	917	791	683	593	529	488	473
35	955	1116	1300	1471	1509	1497	1481	1497	1509	1471	1300	1116	955	798	662	555	479	434	417
40	1003	1204	1419	1562	1566	1533	1507	1533	1566	1562	1419	1204	1003	808	643	518	436	395	382
45	1080	1332	1520	1633	1607	1548	1510	1548	1607	1633	1520	1332	1080	826	626	487	407	377	367
50	1185	1424	1602	1697	1635	1535	1479	1535	1635	1697	1602	1424	1185	865	615	460	389	365	358
55	1255	1481	1653	1751	1641	1485	1405	1485	1641	1751	1653	1481	1255	939	611	433	363	341	336
60	1299	1512	1677	1773	1606	1387	1278	1387	1606	1773	1677	1512	1299	1001	608	391	322	298	294
65	1323	1523	1682	1731	1505	1187	1019	1187	1505	1731	1682	1523	1323	1028	592	327	251	224	215
70	1268	1412	1642	1597	1149	684	428	684	1149	1597	1642	1412	1268	982	538	227	166	154	154
75	832	911	1320	1158	476	93.5	83.4	93.5	476	1158	1320	911	832	826	393	131	107	103	104
80	377	281	501	363	71.7	82.3	71.8	82.3	71.7	363	501	281	377	539	149	69.3	65.2	68.5	68.5
85	71.8	39.8	52.7	64.2	56.5	46.1	37.6	46.1	56.5	64.2	52.7	39.8	71.8	139	34.0	31.3	38.6	43.7	42.6
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:  
Test Date:2020-08-14

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:43.55V I:0.5729A P:24.95W PF:1.000 Freq:0Hz Lamp Flux:4740.28x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	831	831	831	831	831														
5	769	777	788	803	820														
10	711	725	745	773	806														
15	657	675	704	746	797														
20	602	628	667	722	792														
25	545	578	630	701	790														
30	488	529	593	683	791														
35	434	479	555	662	798														
40	395	436	518	643	808														
45	377	407	487	626	826														
50	365	389	460	615	865														
55	341	363	433	611	939														
60	298	322	391	608	1001														
65	224	251	327	592	1028														
70	154	166	227	538	982														
75	103	107	131	393	826														
80	68.5	65.2	69.3	149	539														
85	43.7	38.6	31.3	34.0	139														
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:2020-08-14

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: