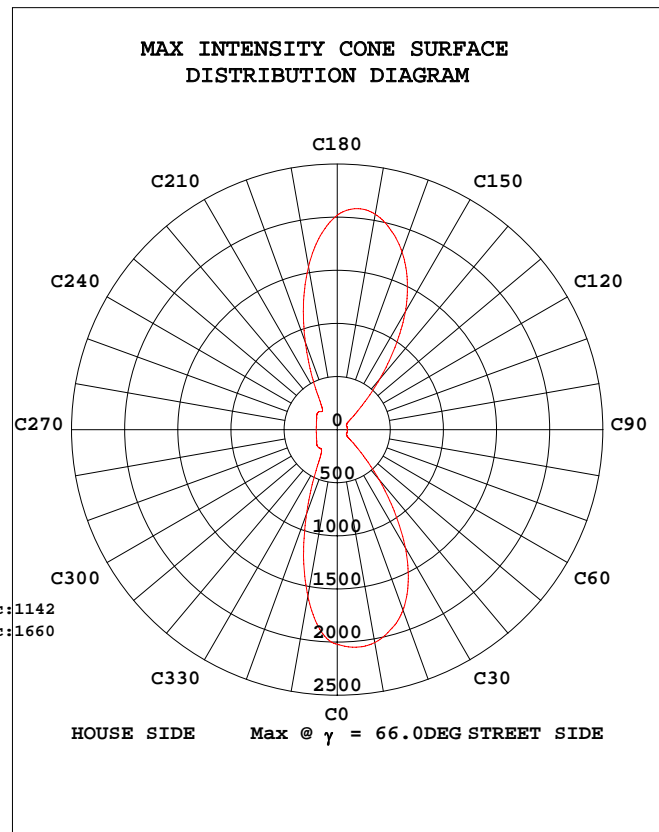
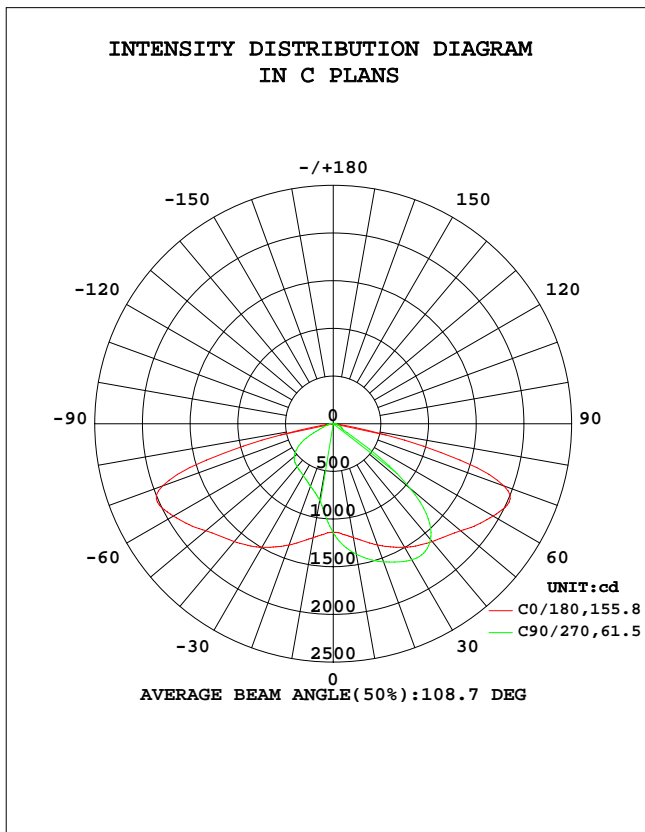


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 193.12 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	2018	η street_up(%)	0.0
NOMINAL POWER(W)	25	LOR(%)	100.0	η street_down(%)	64.3
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4816	η house_up(%)	0.0
NOMINAL FLUX(lm)	4816.03	MAXIMUM @(C,γ )	180,66.0	η house_down(%)	35.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.441

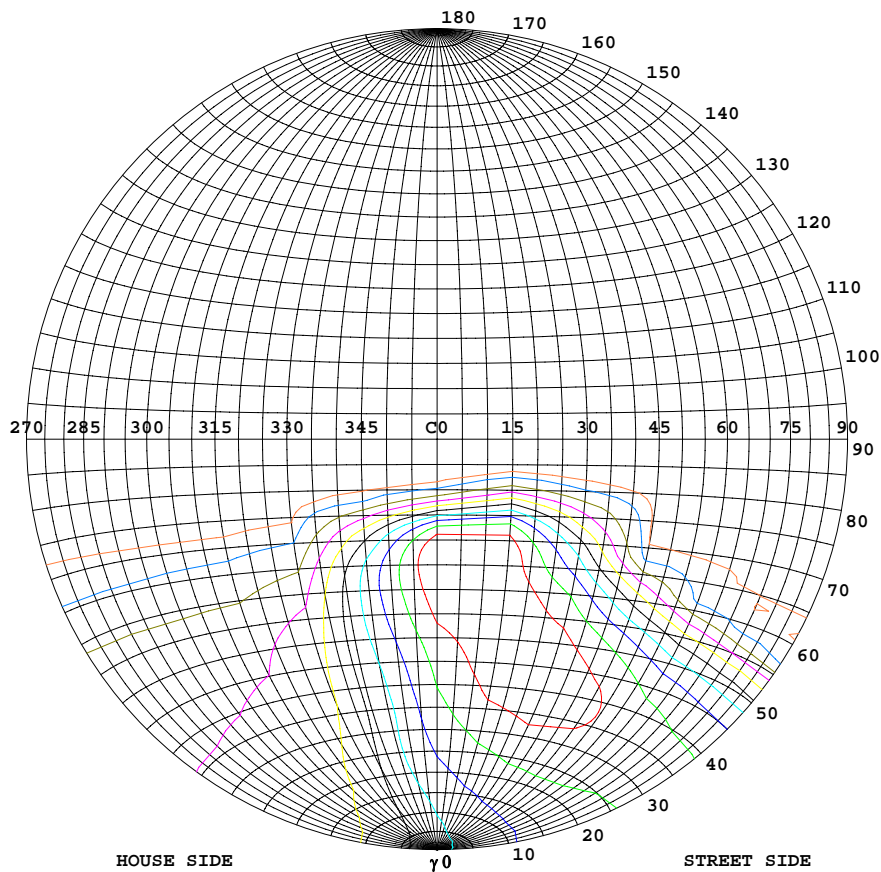


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-10-30

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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



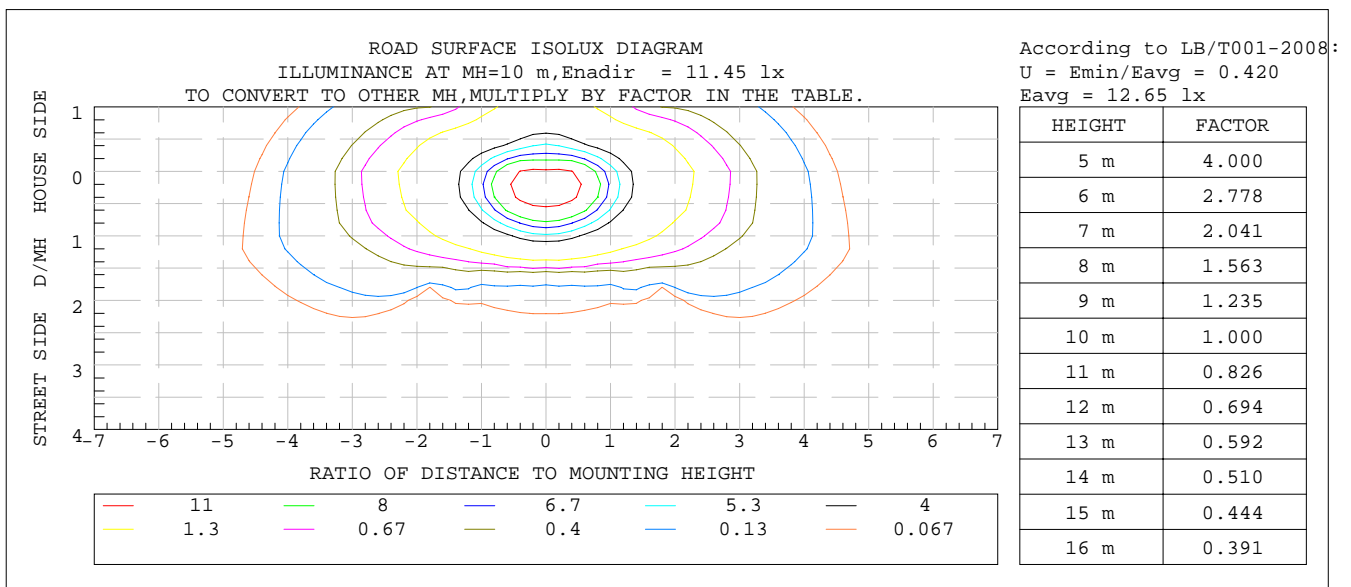
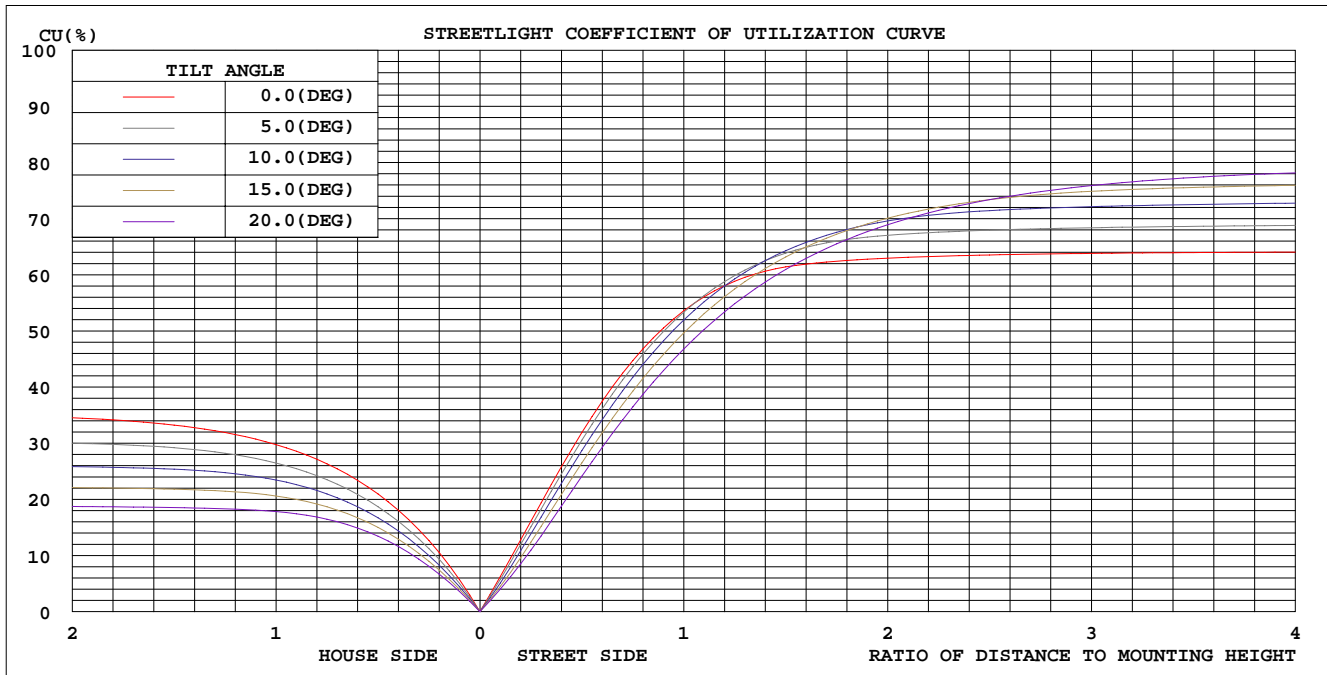
## Classification:

IES:Type II - Short  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:112.4cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:112.4cd/klm  
 NRB 5101:Semi limited[25.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2018
90%	1817
80%	1615
70%	1413
60%	1211
50%	1009
40%	807
30%	606
20%	404
10%	202
5%	101

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:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

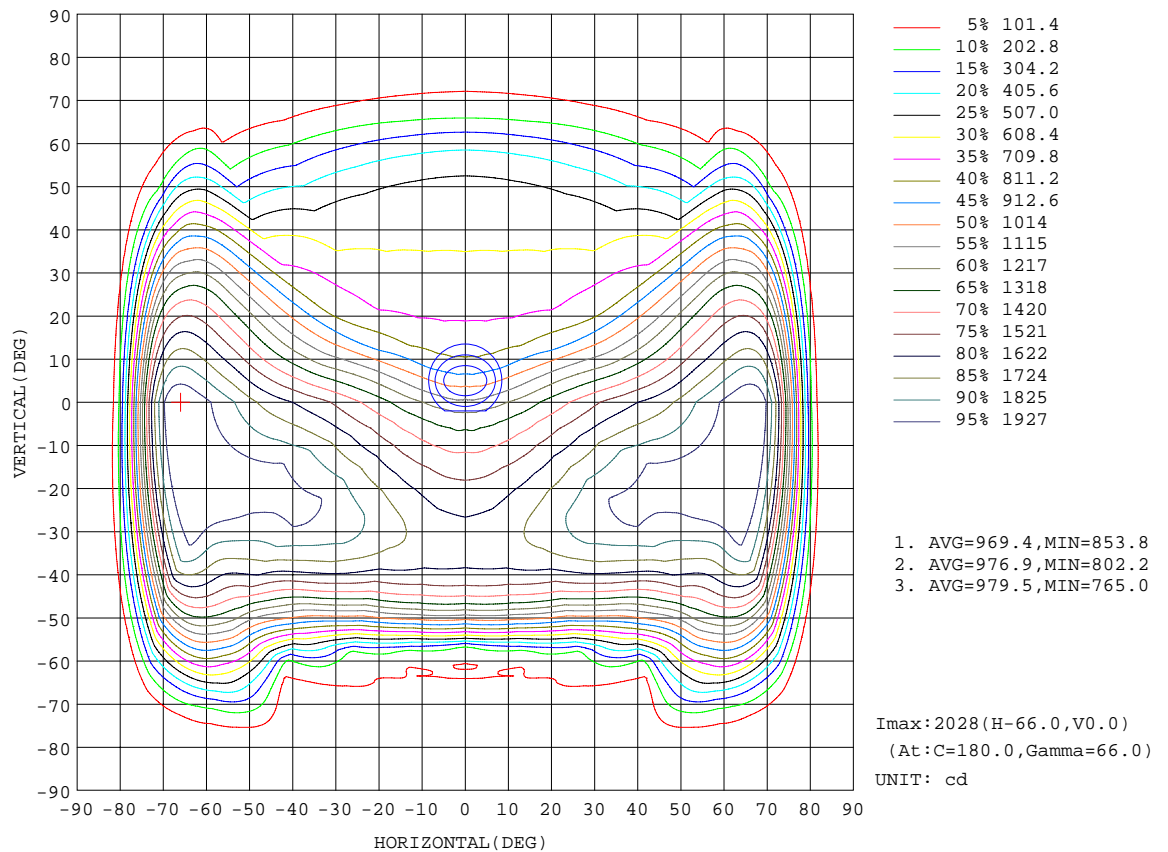
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1213	1359	1388	1359	1213	933.8	817.2	933.8	0- 10	109.3	109.3	2.27,2.27
20	1353	1558	1541	1558	1353	794.7	698.3	794.7	10- 20	335.0	444.3	9.23,9.23
30	1497	1758	1648	1758	1497	707.2	628.4	707.2	20- 30	574.9	1019	21.2,21.2
40	1614	1845	1586	1845	1614	645.5	588.4	645.5	30- 40	808.7	1828	38,38
50	1746	1601	1050	1601	1746	565.0	534.3	565.0	40- 50	963.9	2792	58,58
60	1937	930.4	104.2	930.4	1937	395.9	372.3	395.9	50- 60	908.5	3700	76.8,76.8
70	1903	106.6	77.11	106.6	1903	140.5	125.3	140.5	60- 70	701.8	4402	91.4,91.4
80	230.6	61.33	38.64	61.33	230.6	43.69	53.79	43.69	70- 80	373.5	4776	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	40.40	4816	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4816	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4816	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4816	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4816	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4816	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4816	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4816	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4816	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4816	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  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

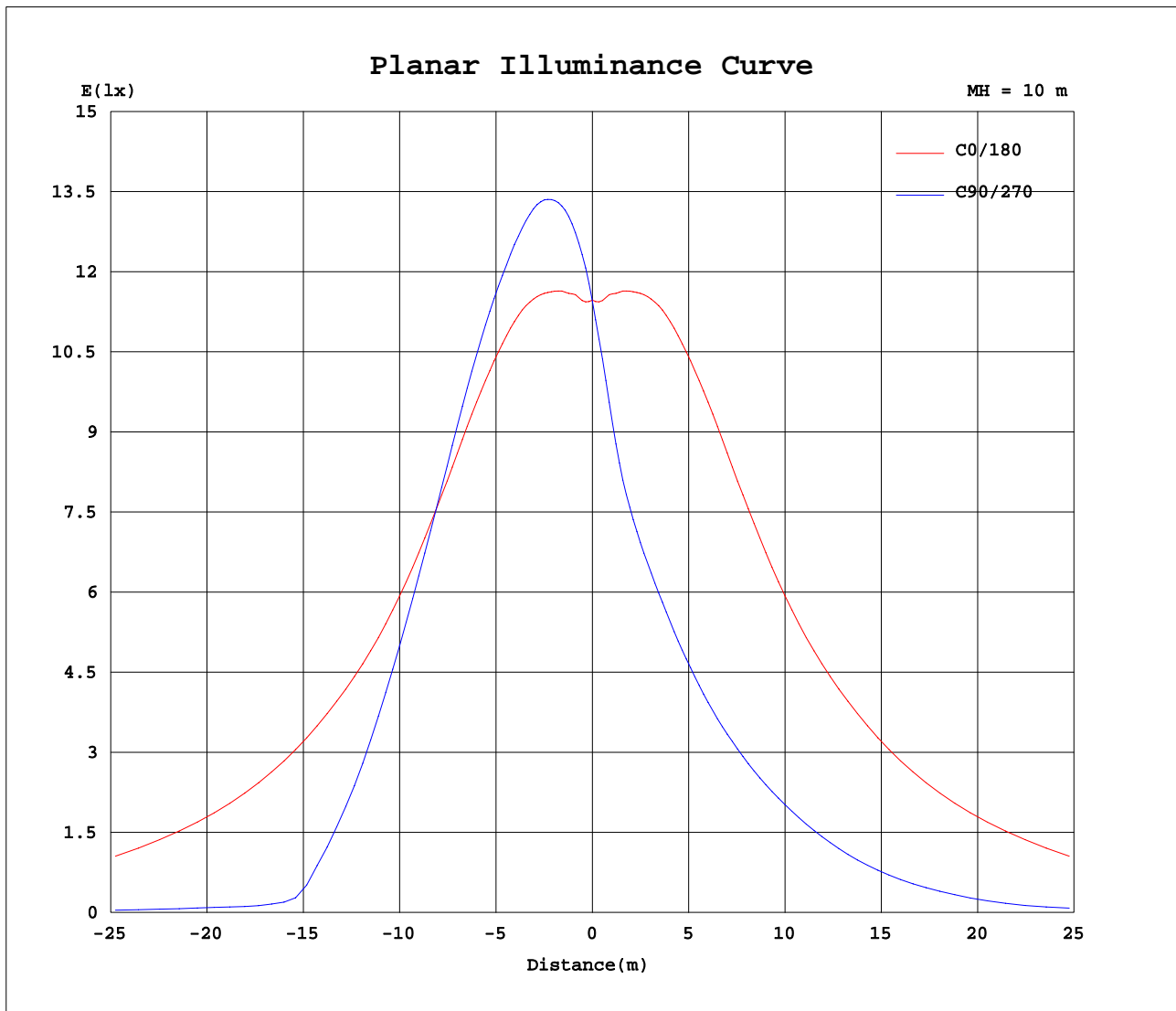
Test:U:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



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

$\gamma$  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



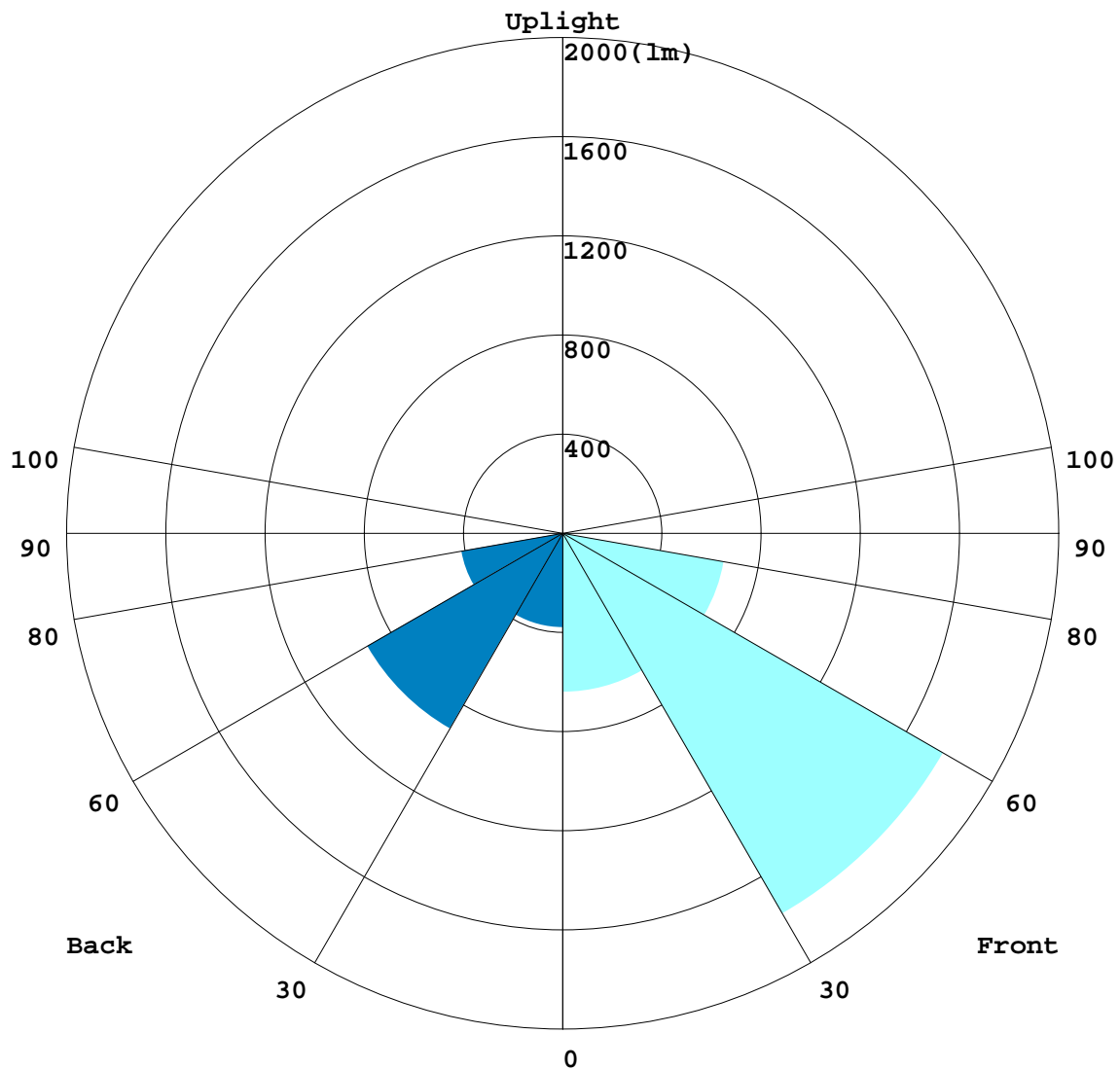
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-10-30

$\gamma$  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:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-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:2020-10-30

$\gamma$  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:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-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)	639.59	13.3
FM - Front-Medium(30-60)	1771.2	36.8
FH - Front-High(60-80)	660.22	13.7
FVH - Front-Very High(80-90)	26.573	0.6
Total Forward Light	3097.6	64.3

BL - Back-Low(0-30)	379.57	7.9
BM - Back-Medium(30-60)	909.94	18.9
BH - Back-High(60-80)	415.06	8.6
BVH - Back-Very High(80-90)	13.829	0.3
Total Back Light	1718.4	35.7

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	1718.4	0	1718.4
Street Side	3097.6	0	3097.6

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

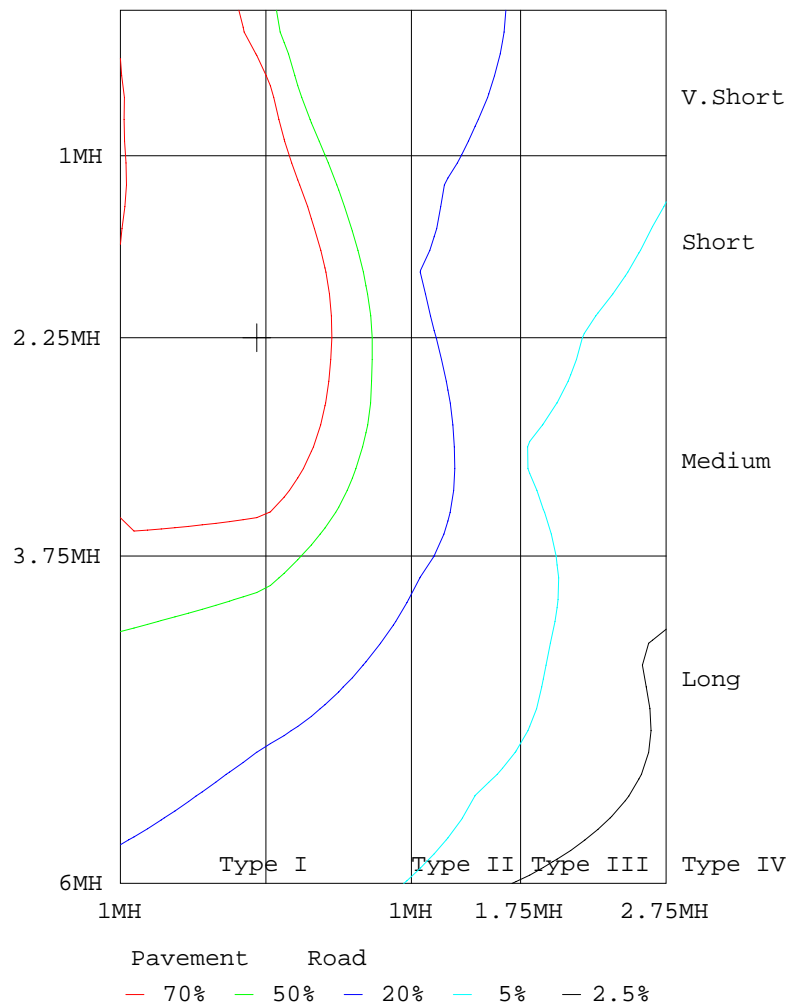
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-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:2020-10-30

$\gamma$  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:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	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	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142	1142
5	1165	1203	1235	1255	1265	1279	1284	1279	1265	1255	1235	1203	1165	1117	1066	1027	995	971	964
10	1213	1281	1329	1359	1373	1382	1388	1382	1373	1359	1329	1281	1213	1126	1027	934	862	829	817
15	1278	1369	1425	1457	1469	1475	1473	1475	1469	1457	1425	1369	1278	1149	994	855	787	757	745
20	1353	1466	1528	1558	1560	1551	1541	1551	1560	1558	1528	1466	1353	1177	949	795	731	708	698
25	1424	1562	1637	1664	1643	1617	1599	1617	1643	1664	1637	1562	1424	1190	893	746	689	668	658
30	1497	1665	1751	1758	1711	1669	1648	1669	1711	1758	1751	1665	1497	1184	847	707	657	638	628
35	1558	1769	1852	1829	1735	1674	1655	1674	1735	1829	1852	1769	1558	1173	820	680	630	614	606
40	1614	1859	1922	1845	1681	1610	1586	1610	1681	1845	1922	1859	1614	1190	797	645	604	594	588
45	1669	1926	1942	1767	1537	1450	1409	1450	1537	1767	1942	1926	1669	1222	772	611	573	571	570
50	1746	1971	1879	1601	1289	1134	1050	1134	1289	1601	1879	1971	1746	1266	728	565	535	535	534
55	1845	1998	1755	1317	876	605	466	605	876	1317	1755	1998	1845	1305	655	496	470	467	468
60	1937	1983	1587	930	329	121	104	121	329	930	1587	1983	1937	1323	544	396	372	369	372
65	2014	1946	1334	453	104	101	97.1	101	104	453	1334	1946	2014	1261	384	269	251	232	230
70	1903	1868	1054	107	90.3	81.2	77.1	81.2	90.3	107	1054	1868	1903	1018	206	140	123	124	125
75	1169	1381	663	88.0	61.5	50.0	49.1	50.0	61.5	88.0	663	1381	1169	541	86.5	73.4	74.5	74.0	75.3
80	231	542	221	61.3	38.7	39.7	38.6	39.7	38.7	61.3	221	542	231	92.3	44.1	43.7	50.3	53.5	53.8
85	13.5	57.2	36.5	24.3	26.2	28.7	26.6	28.7	26.2	24.3	36.5	57.2	13.5	17.5	17.1	21.6	30.6	35.8	35.8
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:43.61V I:0.5719A P:24.94W PF:1.000 Freq:0Hz Lamp Flux:4816.03x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-25WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1142	1142	1142	1142	1142														
5	971	995	1027	1066	1117														
10	829	862	934	1027	1126														
15	757	787	855	994	1149														
20	708	731	795	949	1177														
25	668	689	746	893	1190														
30	638	657	707	847	1184														
35	614	630	680	820	1173														
40	594	604	645	797	1190														
45	571	573	611	772	1222														
50	535	535	565	728	1266														
55	467	470	496	655	1305														
60	369	372	396	544	1323														
65	232	251	269	384	1261														
70	124	123	140	206	1018														
75	74.0	74.5	73.4	86.5	541														
80	53.5	50.3	43.7	44.1	92.3														
85	35.8	30.6	21.6	17.1	17.5														
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:2020-10-30

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: