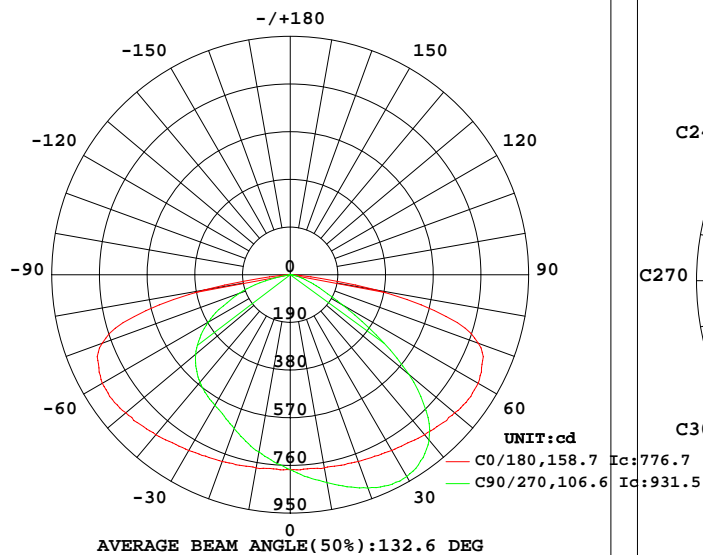
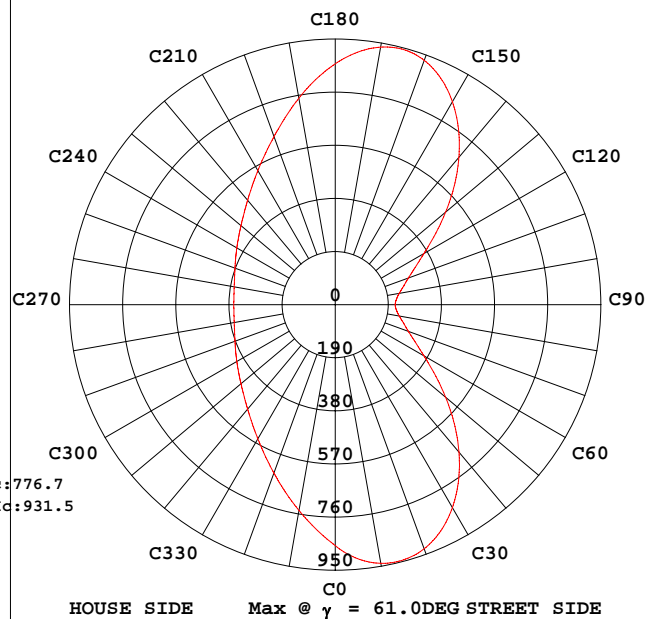


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.28 lm/W			
MODEL	3030	I _{max} (cd)	944.8	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	55.1
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	3067	η house_up(%)	0.0
NOMINAL FLUX(lm)	3066.9	MAXIMUM @(C,γ)	15,61.0	η house_down(%)	44.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.021

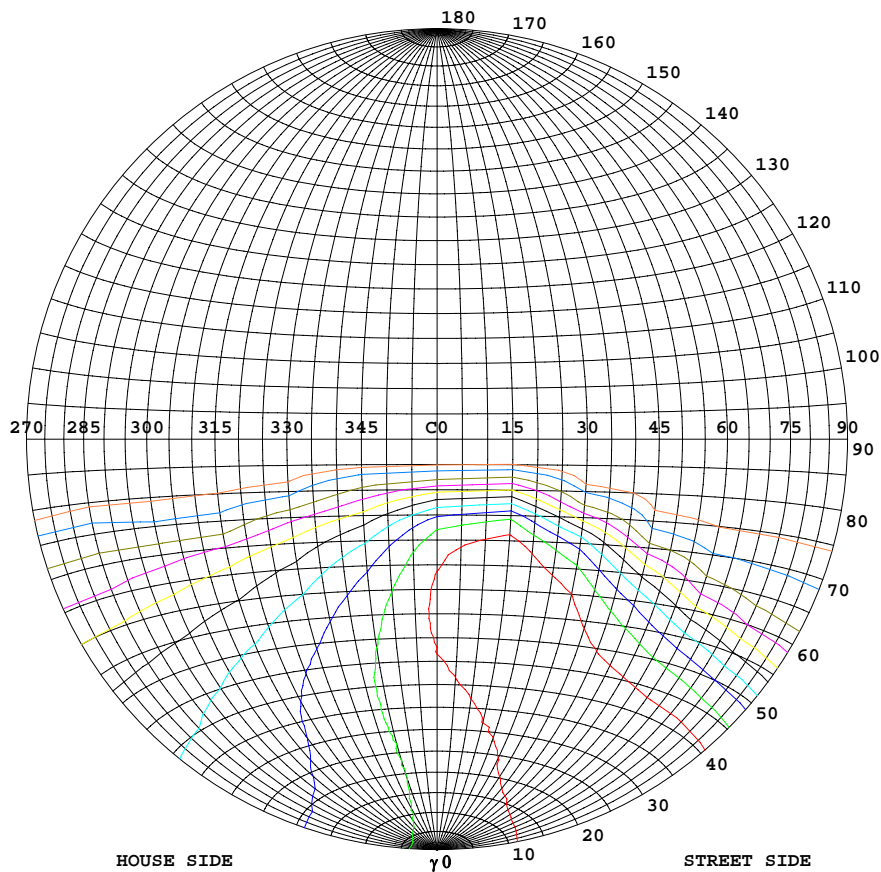
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

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:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



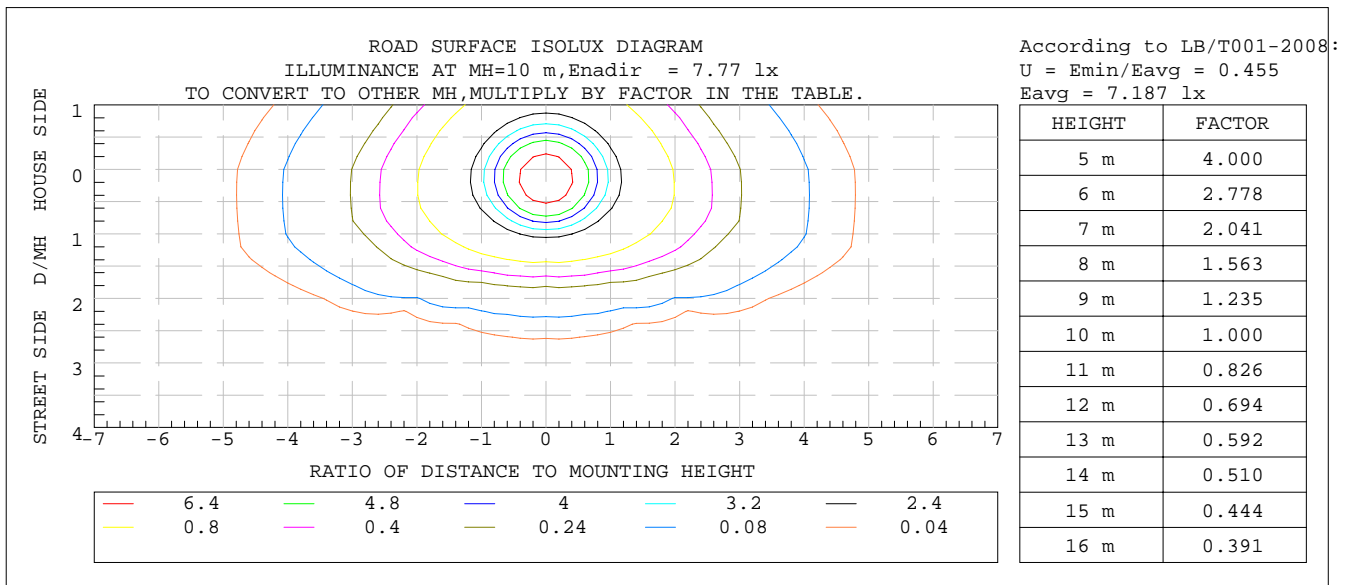
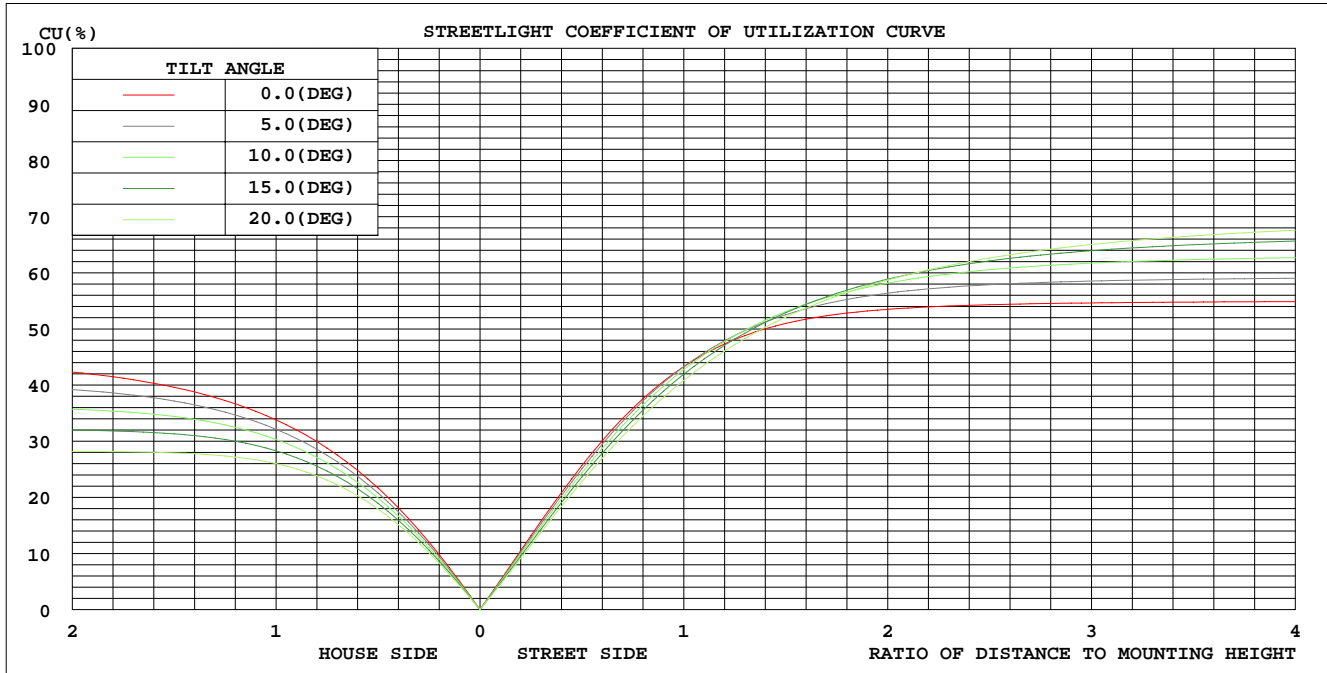
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:123.4cd/klm
Max.At90:0cd/klm
Max.80-90:123.4cd/klm
NRB 5101:Semi limited[21.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	945
90%	850
80%	756
70%	661
60%	567
50%	472
40%	378
30%	283
20%	189
10%	94
5%	47

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

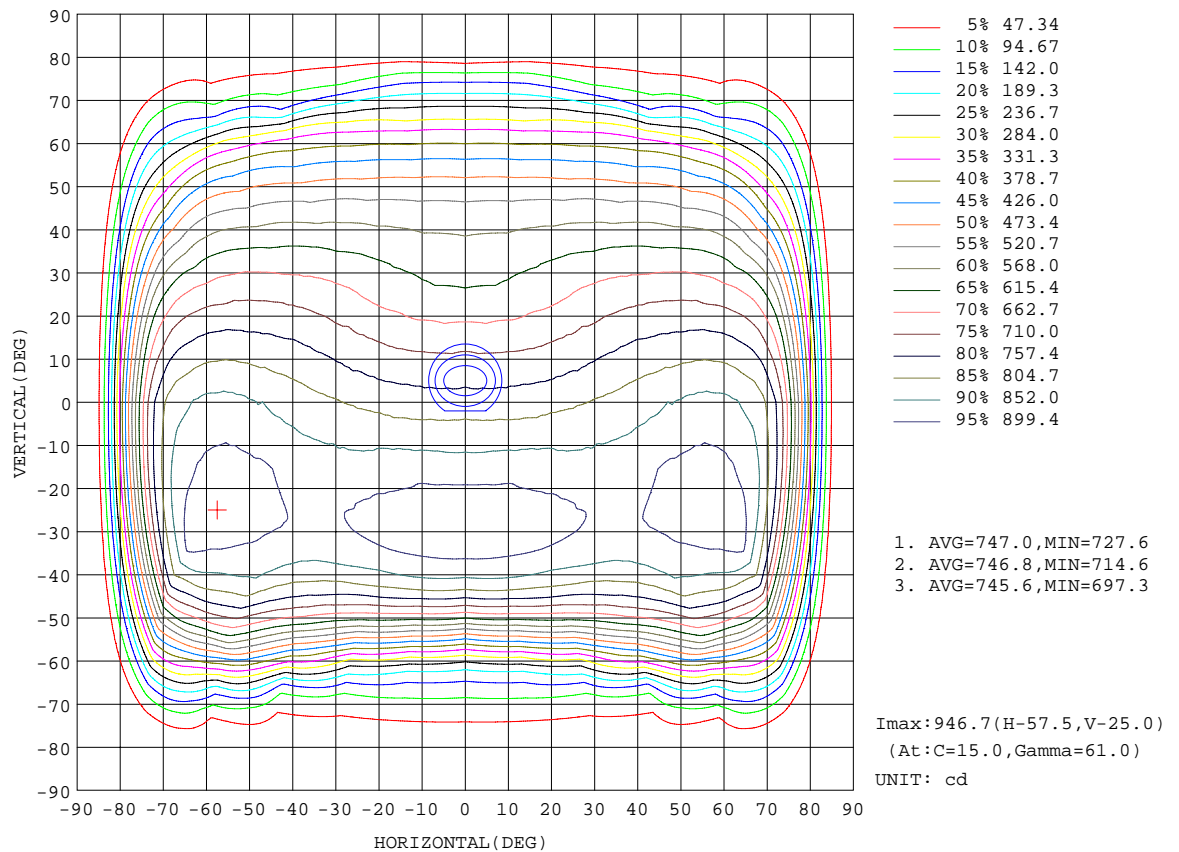
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	781.5	824.3	840.4	824.3	781.5	734.8	717.1	734.8	0- 10	74.31	74.31	2.42,2.42
20	792.0	870.0	904.9	870.0	792.0	698.0	652.5	698.0	10- 20	221.8	296.1	9.65,9.65
30	808.7	902.2	928.5	902.2	808.7	667.0	600.7	667.0	20- 30	363.3	659.4	21.5,21.5
40	832.4	894.8	860.7	894.8	832.4	639.5	559.1	639.5	30- 40	489.5	1149	37.5,37.5
50	855.5	821.7	615.9	821.7	855.5	582.3	491.7	582.3	40- 50	574.1	1723	56.2,56.2
60	864.6	635.3	241.4	635.3	864.6	476.1	377.5	476.1	50- 60	575.8	2299	75,75
70	796.9	231.6	78.33	231.6	796.9	292.4	215.3	292.4	60- 70	476.2	2775	90.5,90.5
80	345.3	27.39	19.14	27.39	345.3	48.54	26.21	48.54	70- 80	258.6	3033	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	33.43	3067	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3067	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3067	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3067	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3067	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3067	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3067	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3067	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3067	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3067	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:2020-04-11

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:

ISOCANDELA DIAGRAM

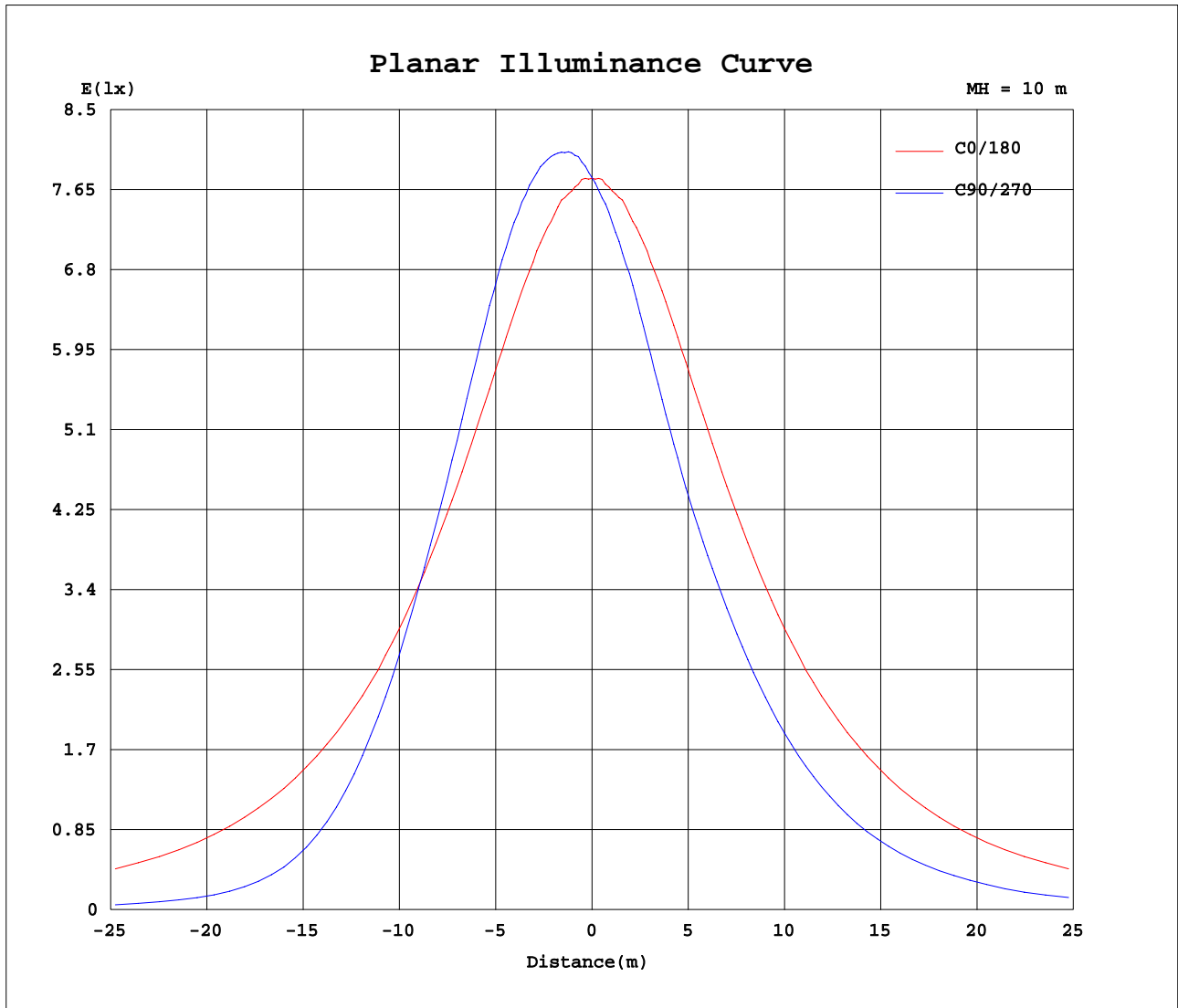
Test:U:219.2V I:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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:

Planar Illuminance Curve



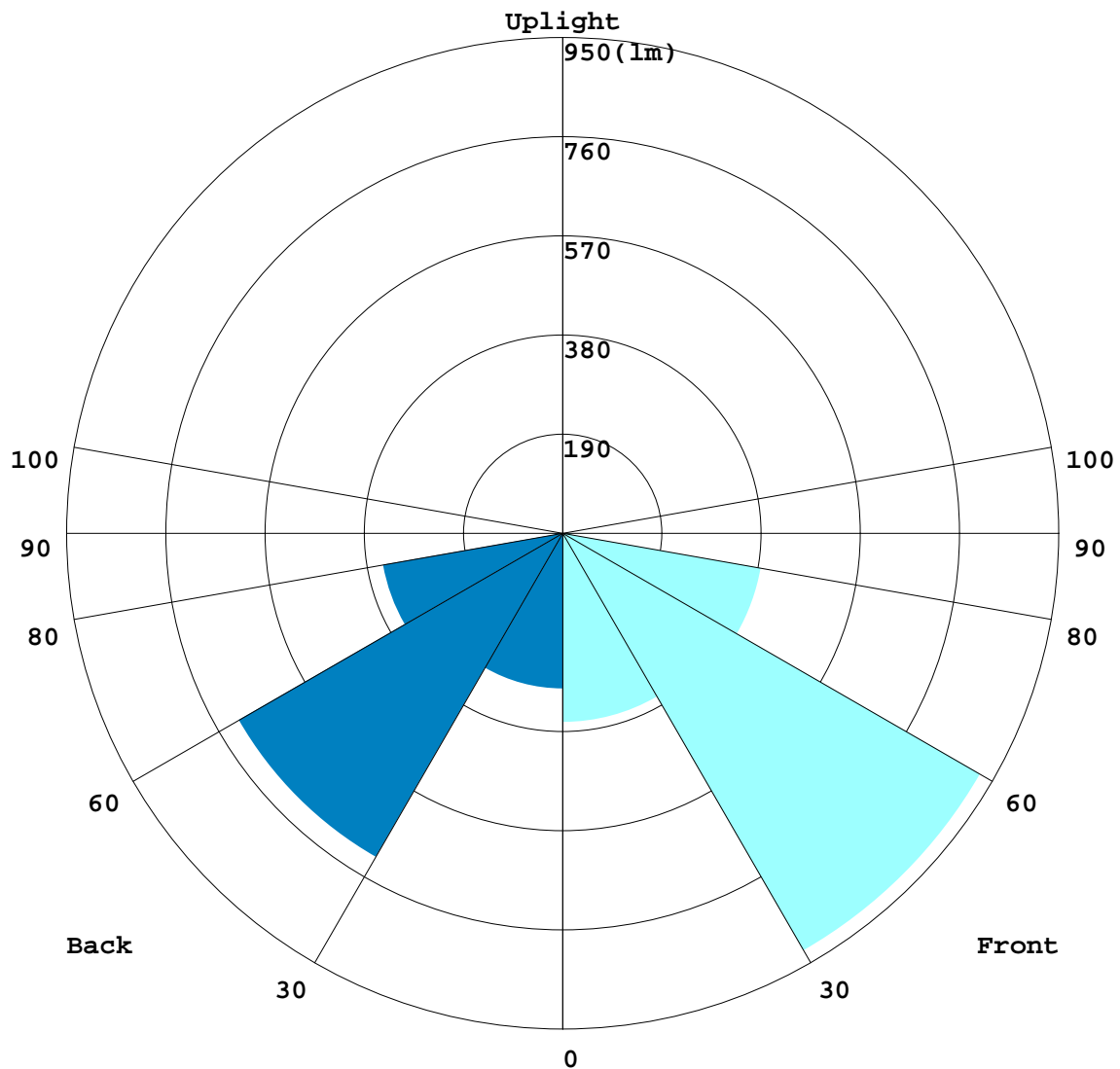
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:

LCS REPORT

Test:U:219.2V I:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-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:2020-04-11

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:

BUG REPORT

Test:U:219.2V I:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-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)	361.7	11.8
FM - Front-Medium(30-60)	923.11	30.1
FH - Front-High(60-80)	385.39	12.6
FVH - Front-Very High(80-90)	18.179	0.6
Total Forward Light	1688.4	55.1

BL - Back-Low(0-30)	297.67	9.7
BM - Back-Medium(30-60)	716.25	23.4
BH - Back-High(60-80)	349.36	11.4
BVH - Back-Very High(80-90)	15.247	0.5
Total Back Light	1378.5	44.9

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	1378.5	0	1378.5
Street Side	1688.4	0	1688.4

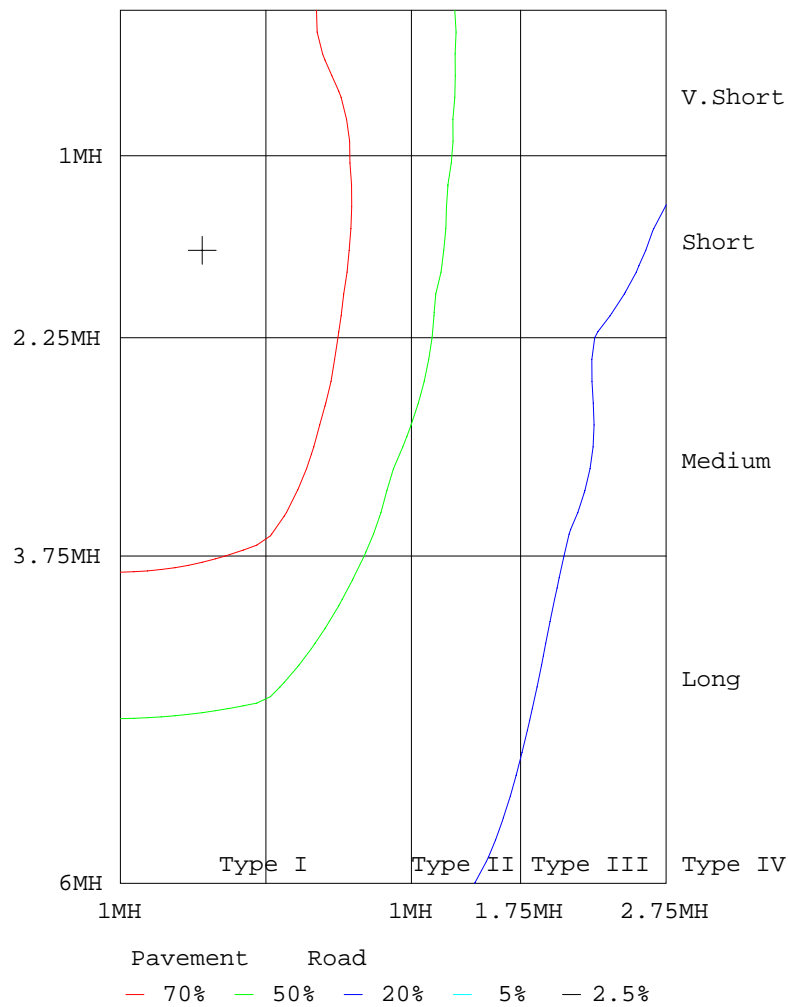
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-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:2020-04-11

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:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	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	777	777	777	777	777	777	777	777	777	777	777	777	777	777	777	777	777	777	777
5	776	783	796	800	806	809	810	809	806	800	796	783	776	772	762	759	752	747	749
10	782	792	811	824	836	839	840	839	836	824	811	792	782	764	747	735	726	718	717
15	786	804	831	850	861	871	875	871	861	850	831	804	786	761	737	719	700	689	687
20	792	818	848	870	889	900	905	900	889	870	848	818	792	758	724	698	674	657	653
25	798	827	862	887	910	922	926	922	910	887	862	827	798	761	718	683	649	629	622
30	809	843	873	902	920	928	928	928	920	902	873	843	809	763	712	667	631	608	601
35	818	855	883	905	913	913	905	913	913	905	883	855	818	767	705	657	616	590	582
40	832	871	894	895	885	872	861	872	885	895	894	871	832	768	697	640	597	569	559
45	844	888	897	870	827	793	765	793	827	870	897	888	844	763	681	616	568	540	530
50	855	912	895	822	733	662	616	662	733	822	895	912	855	754	654	582	528	502	492
55	866	933	883	747	596	479	419	479	596	747	883	933	866	734	618	534	480	450	439
60	865	942	851	635	406	282	241	282	406	635	851	942	865	700	566	476	420	387	377
65	843	934	771	455	221	153	138	153	221	455	771	934	843	649	498	402	345	305	295
70	797	882	620	232	99.8	85.3	78.3	85.3	99.8	232	620	882	797	557	405	292	236	220	215
75	643	720	335	69.3	46.5	44.1	42.1	44.1	46.5	69.3	335	720	643	409	251	123	111	133	125
80	345	379	87.5	27.4	21.4	20.6	19.1	20.6	21.4	27.4	87.5	379	345	210	76.4	48.5	41.1	36.9	26.2
85	42.7	48.8	12.5	7.24	5.80	5.45	4.99	5.45	5.80	7.24	12.5	48.8	42.7	31.8	13.6	6.60	6.59	4.50	4.07
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:2020-04-11

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:0.0978A P:19.63W PF:0.9153 Freq:49.99Hz Lamp Flux:3066.9x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	777	777	777	777	777														
5	747	752	759	762	772														
10	718	726	735	747	764														
15	689	700	719	737	761														
20	657	674	698	724	758														
25	629	649	683	718	761														
30	608	631	667	712	763														
35	590	616	657	705	767														
40	569	597	640	697	768														
45	540	568	616	681	763														
50	502	528	582	654	754														
55	450	480	534	618	734														
60	387	420	476	566	700														
65	305	345	402	498	649														
70	220	236	292	405	557														
75	133	111	123	251	409														
80	36.9	41.1	48.5	76.4	210														
85	4.50	6.59	6.60	13.6	31.8														
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:2020-04-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: