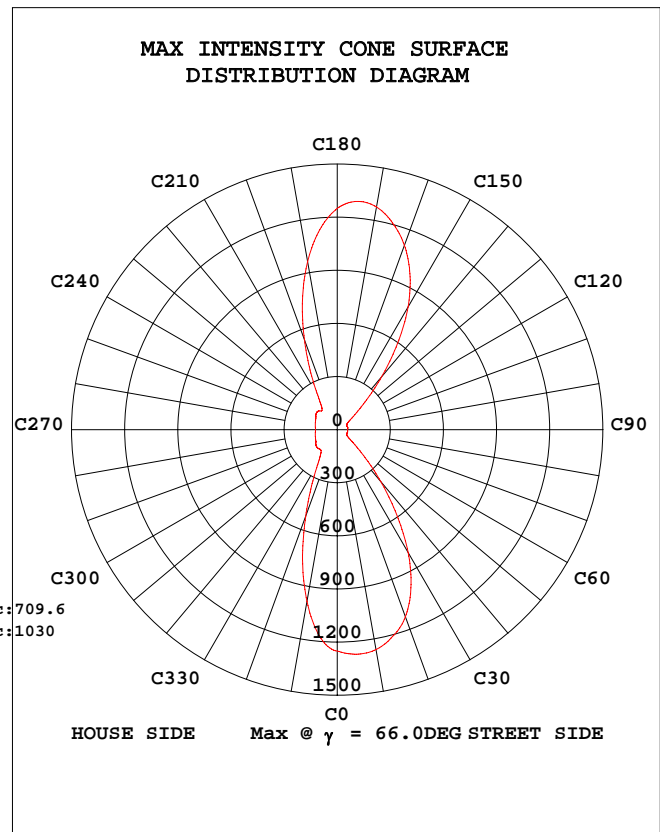
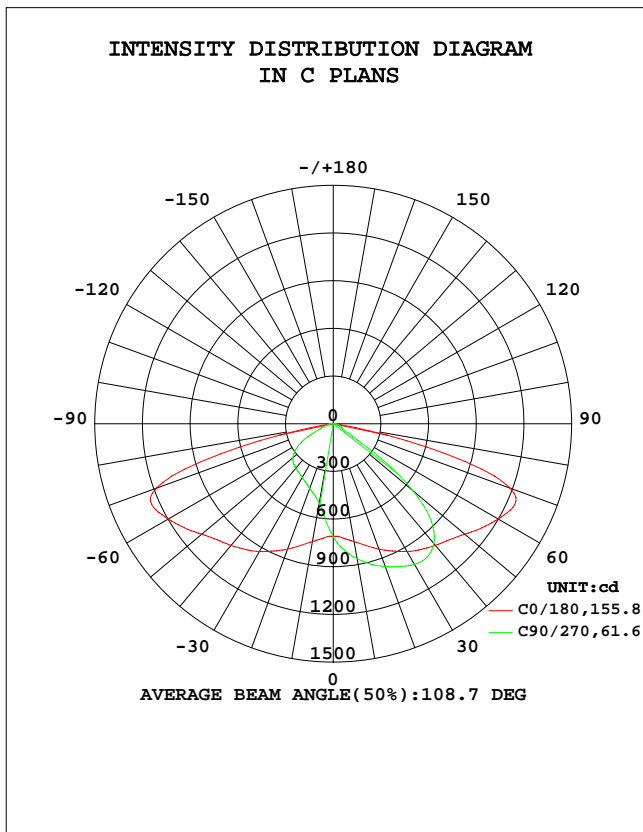


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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: 199.98 lm/W			
MODEL	5050	I _{max} (cd)	1250	η street_up(%)	0.0
NOMINAL POWER(W)	15	LOR(%)	100.0	η street_down(%)	64.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	2990	η house_up(%)	0.0
NOMINAL FLUX(lm)	2989.54	MAXIMUM @(C,γ)	0,66.0	η house_down(%)	35.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.761

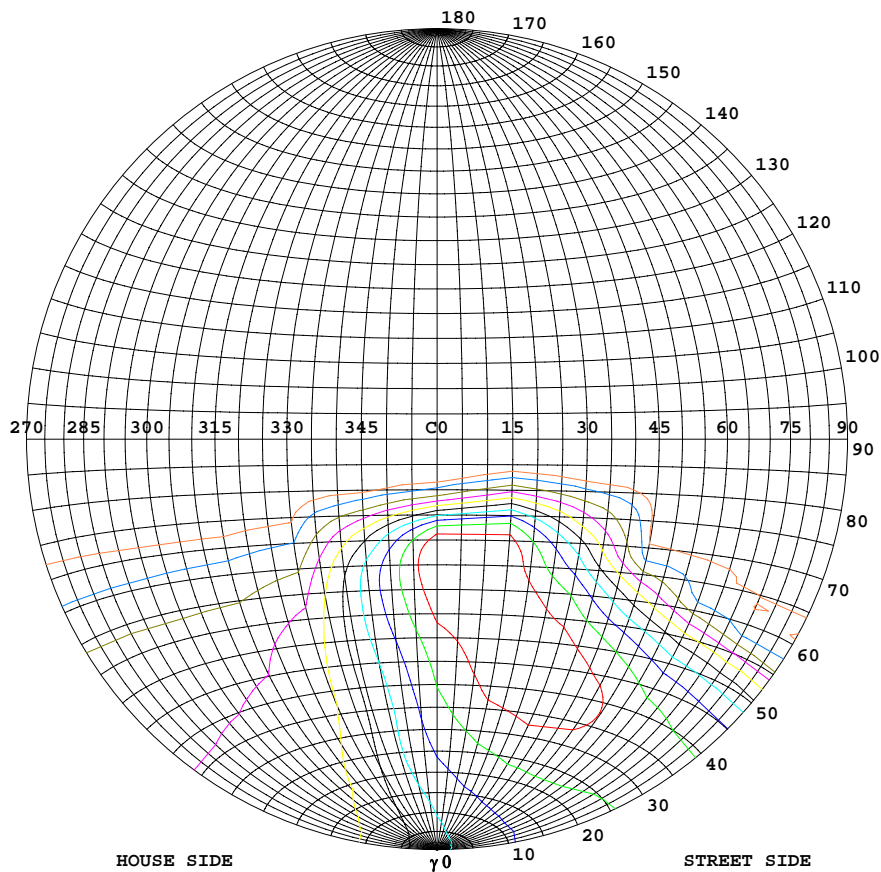


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-10-30

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:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



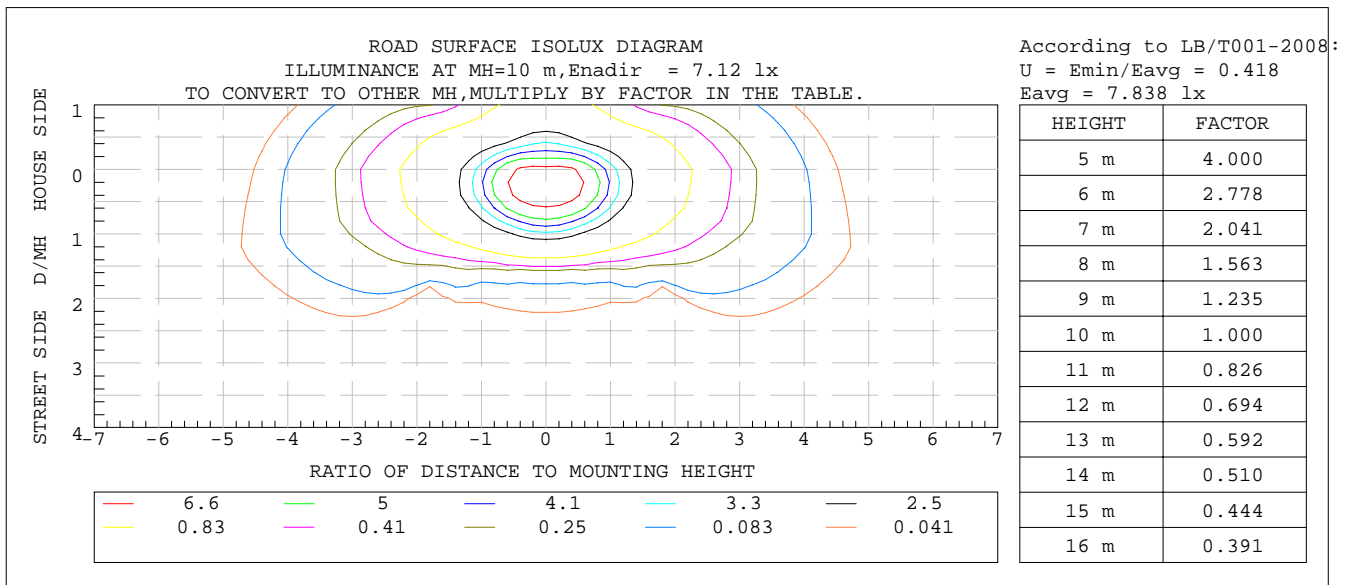
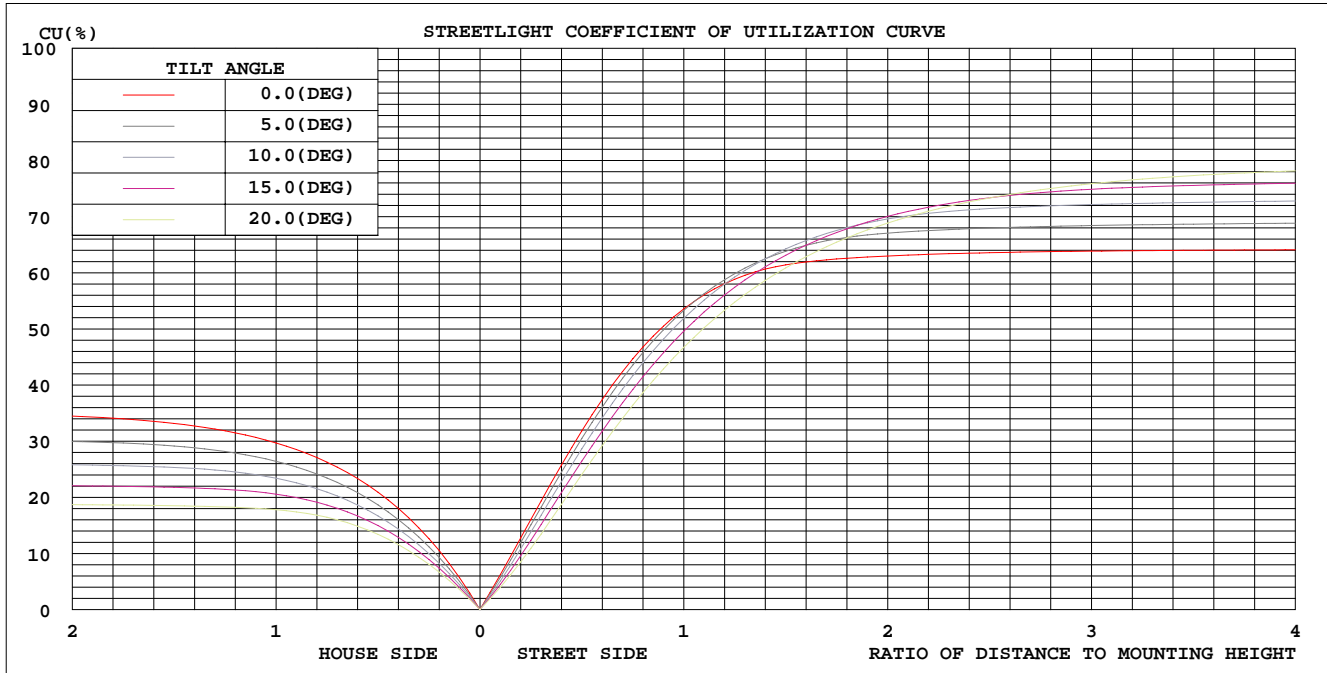
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:114.1cd/klm
Max.At90:0cd/klm
Max.80-90:114.1cd/klm
NRB 5101:Semi limited[25.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1250
90%	1125
80%	1000
70%	875
60%	750
50%	625
40%	500
30%	375
20%	250
10%	125
5%	62

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:

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

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:

ZONAL FLUX DIAGRAM

Test:U:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:

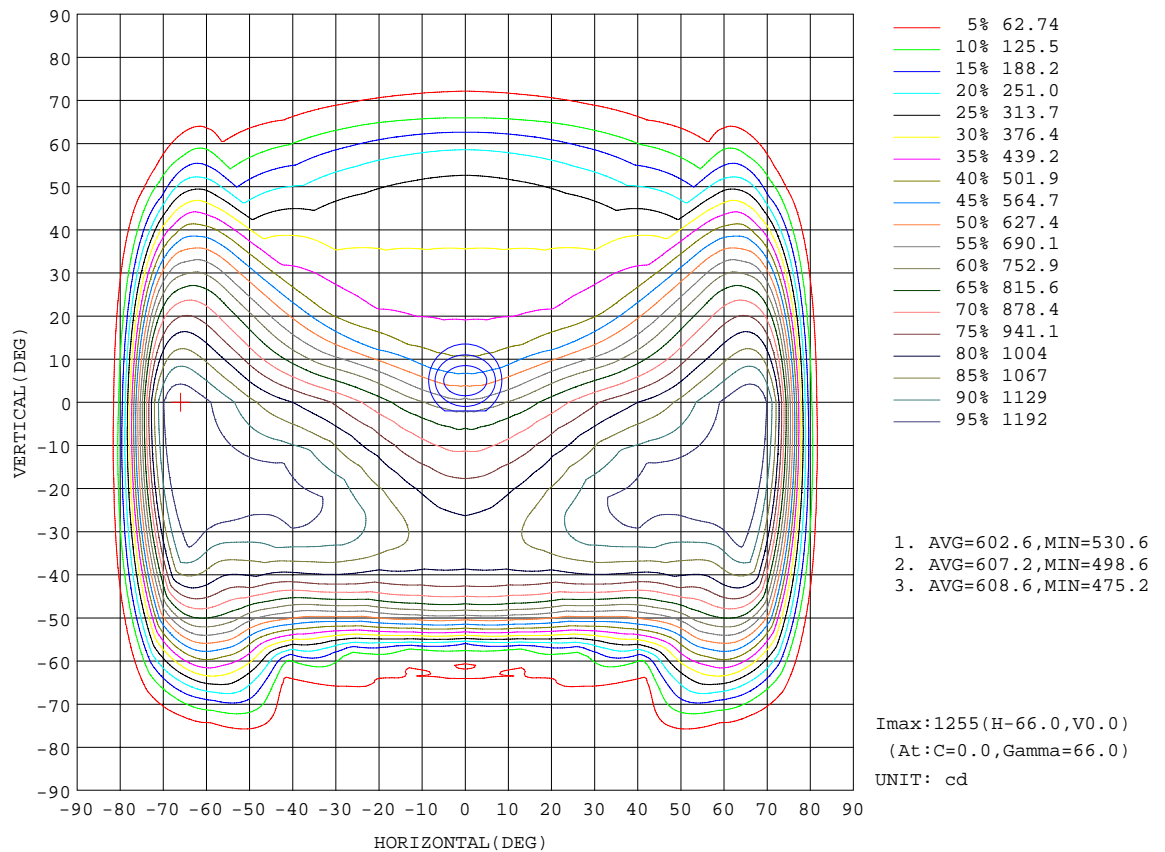
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	753.1	844.1	861.7	844.1	753.1	579.6	507.7	579.6	0- 10	67.89	67.89	2.27,2.27
20	839.7	966.6	956.1	966.6	839.7	493.0	433.2	493.0	10- 20	207.9	275.8	9.23,9.23
30	928.0	1090	1022	1090	928.0	438.5	390.3	438.5	20- 30	356.6	632.4	21.2,21.2
40	999.4	1146	984.8	1146	999.4	400.0	365.0	400.0	30- 40	501.4	1134	37.9,37.9
50	1080	996.5	652.8	996.5	1080	350.4	331.9	350.4	40- 50	597.8	1732	57.9,57.9
60	1199	581.9	64.63	581.9	1199	246.0	230.1	246.0	50- 60	564.0	2296	76.8,76.8
70	1183	66.60	47.87	66.60	1183	87.09	78.04	87.09	60- 70	435.8	2731	91.4,91.4
80	144.5	38.20	23.83	38.20	144.5	27.21	33.38	27.21	70- 80	233.1	2964	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	25.15	2990	100,100
100	0	0	0	0	0	0	0	0	90-100	0	2990	100,100
110	0	0	0	0	0	0	0	0	100-110	0	2990	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2990	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2990	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2990	100,100
150	0	0	0	0	0	0	0	0	140-150	0	2990	100,100
160	0	0	0	0	0	0	0	0	150-160	0	2990	100,100
170	0	0	0	0	0	0	0	0	160-170	0	2990	100,100
180	0	0	0	0	0	0	0	0	170-180	0	2990	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

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:

ISOCANDELA DIAGRAM

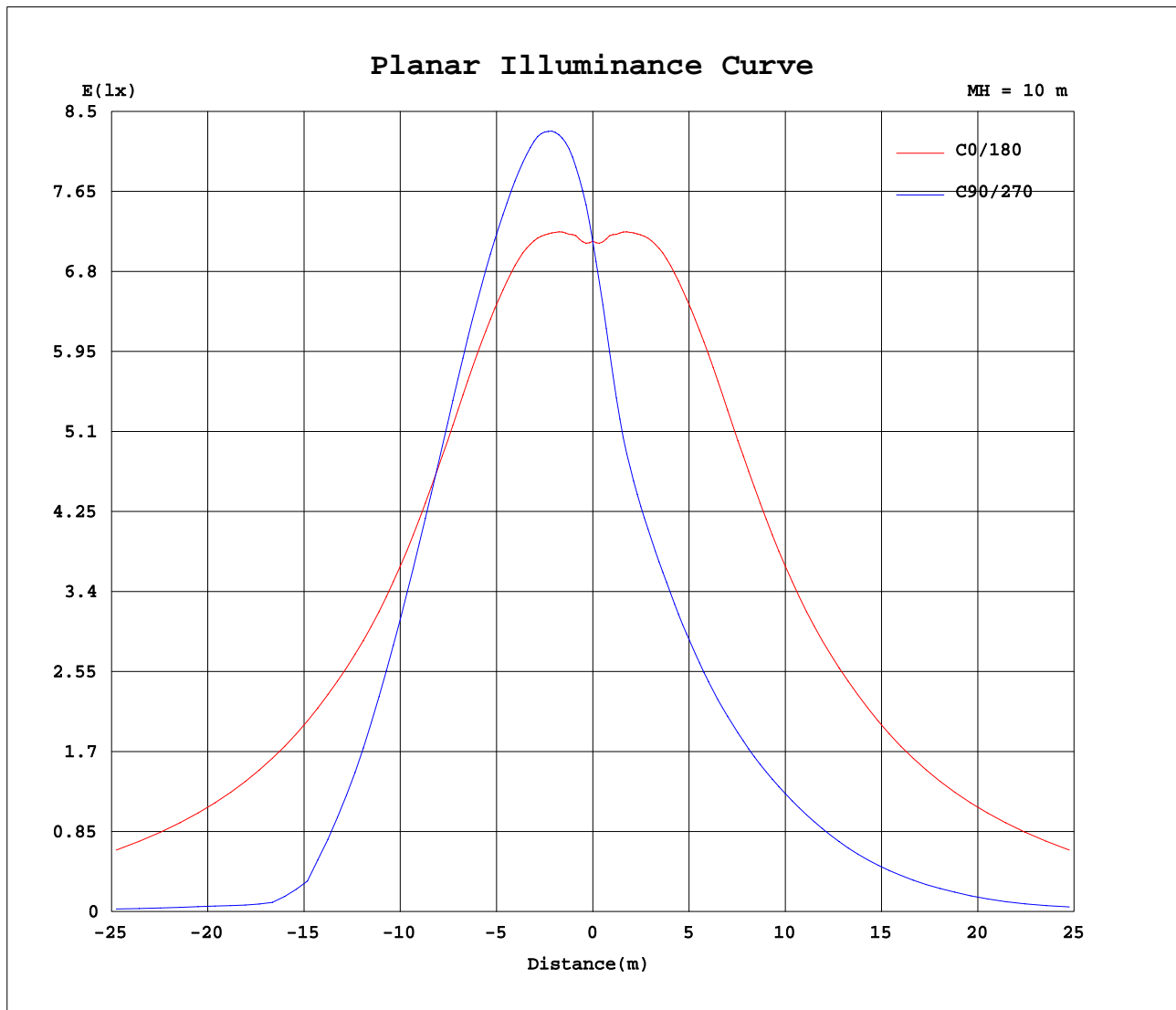
Test:U:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm	Shielding Angle:



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

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:

Planar Illuminance Curve



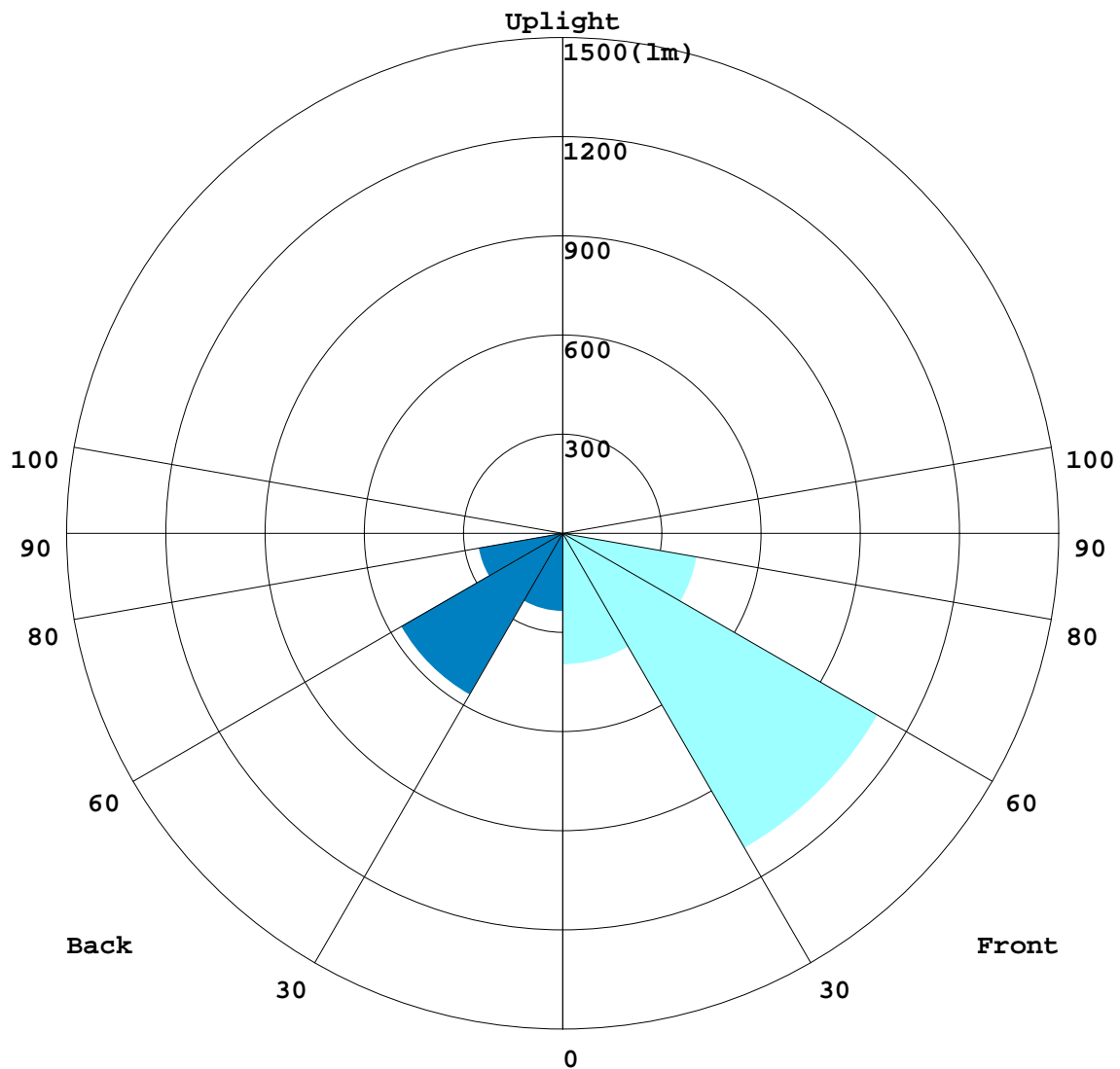
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-10-30

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:

LCS REPORT

Test:U:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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

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:

BUG REPORT

Test:U:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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)	396.78	13.3
FM - Front-Medium(30-60)	1099.5	36.8
FH - Front-High(60-80)	411.4	13.8
FVH - Front-Very High(80-90)	16.633	0.6
Total Forward Light	1924.4	64.4

BL - Back-Low(0-30)	235.59	7.9
BM - Back-Medium(30-60)	563.64	18.9
BH - Back-High(60-80)	257.43	8.6
BVH - Back-Very High(80-90)	8.5193	0.3
Total Back Light	1065.2	35.6

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	1065.2	0	1065.2
Street Side	1924.4	0	1924.4

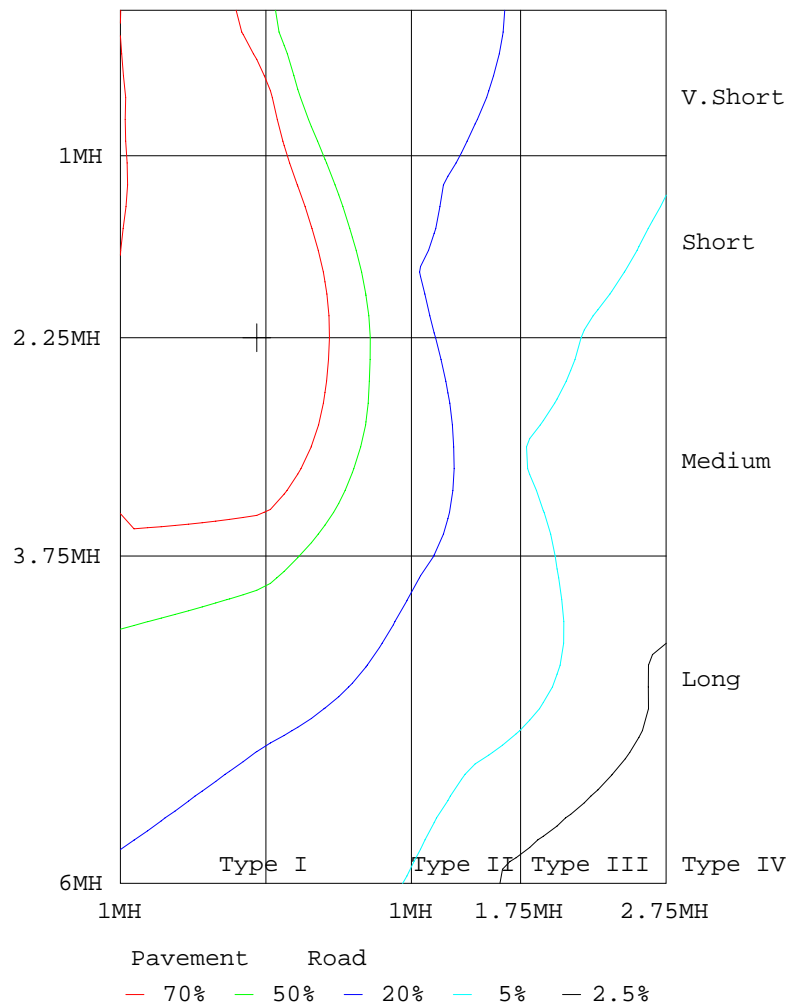
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-10-30

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:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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

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:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710
5	724	724	747	767	779	786	794	798	794	786	779	767	747	724	694	662	638	618	604
10	753	753	795	826	844	853	858	862	858	853	844	826	795	753	699	638	580	536	515
15	793	793	849	884	905	912	915	914	915	912	905	884	849	793	714	616	530	488	470
20	840	840	909	948	967	968	962	956	962	968	967	948	909	840	731	589	493	454	439
25	884	884	969	1016	1032	1020	1003	992	1003	1020	1032	1016	969	884	739	554	463	428	414
30	928	928	1032	1086	1090	1061	1035	1022	1035	1061	1090	1086	1032	928	734	525	439	408	396
35	965	965	1096	1149	1134	1077	1039	1027	1039	1077	1134	1149	1096	965	727	508	422	391	376
40	999	999	1151	1193	1146	1044	999	985	999	1044	1146	1193	1151	999	737	493	400	374	365
45	1033	1033	1192	1205	1097	955	901	875	901	955	1097	1205	1192	1033	756	477	379	356	353
50	1080	1080	1221	1168	996	803	706	653	706	803	996	1168	1221	1080	782	450	350	332	332
55	1142	1142	1238	1092	821	547	380	291	380	547	821	1092	1238	1142	806	405	308	292	290
60	1199	1199	1230	988	582	208	75.3	64.6	75.3	208	582	988	1230	1199	817	336	246	230	230
65	1247	1247	1208	833	286	64.4	62.4	60.2	62.4	64.4	286	833	1208	1247	779	236	167	156	141
70	1183	1183	1161	661	66.6	56.2	50.3	47.9	50.3	56.2	66.6	661	1161	1183	629	128	87.1	76.4	76.1
75	731	731	861	418	54.3	38.3	31.0	30.4	31.0	38.3	54.3	418	861	731	336	53.8	45.7	46.2	46.7
80	145	145	341	145	38.2	24.0	24.5	23.8	24.5	24.0	38.2	145	341	145	42.2	27.4	27.2	31.2	33.2
85	8.35	8.35	35.4	22.9	15.1	16.1	17.8	16.4	17.8	16.1	15.1	22.9	35.4	8.35	11.0	10.6	13.4	19.0	22.1
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:42.72V I:0.3499A P:14.95W PF:1.000 Freq:0Hz Lamp Flux:2989.54x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-15WSE-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)	285	300	315	330	345														
γ (DEC)																			
0	710	710	710	710	710														
5	604	618	638	662	694														
10	515	536	580	638	699														
15	470	488	530	616	714														
20	439	454	493	589	731														
25	414	428	463	554	739														
30	396	408	439	525	734														
35	381	391	422	508	727														
40	368	374	400	493	737														
45	354	356	379	477	756														
50	332	332	350	450	782														
55	290	292	308	405	806														
60	230	230	246	336	817														
65	145	156	167	236	779														
70	76.1	76.4	87.1	128	629														
75	46.2	46.2	45.7	53.8	336														
80	33.2	31.2	27.2	27.4	42.2														
85	22.1	19.0	13.4	10.6	11.0														
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: