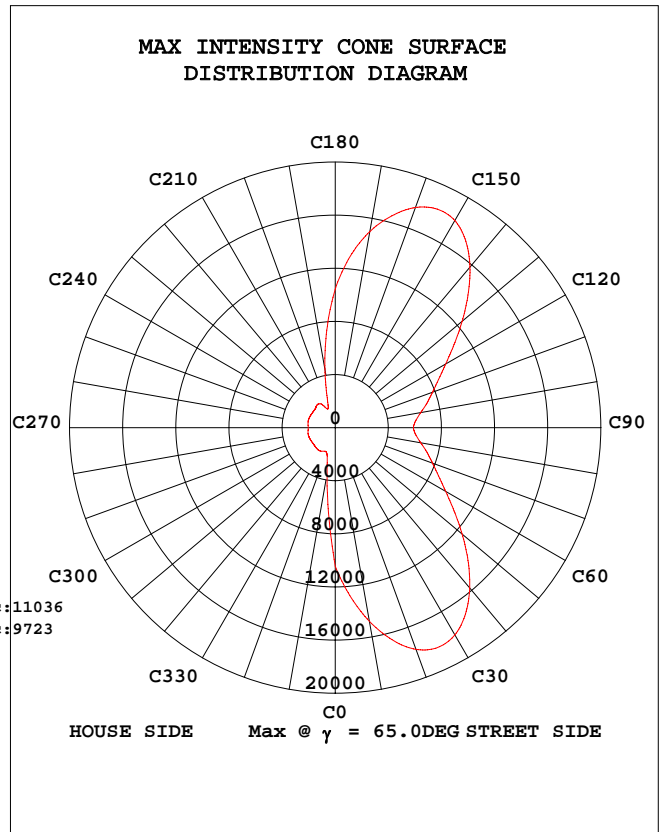
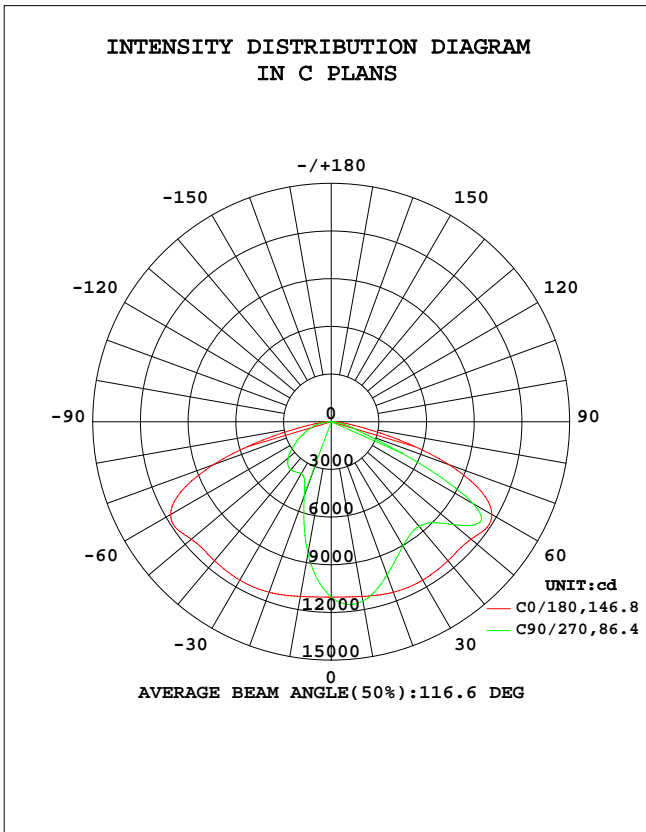


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.75 lm/W			
MODEL	3030	I _{max} (cd)	18018	η street_up(%)	0.0
NOMINAL POWER(W)	300	LOR(%)	100.0	η street_down(%)	71.2
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	37303	η house_up(%)	0.0
NOMINAL FLUX(lm)	37302.9	MAXIMUM @(C,γ)	150,65.0	η house_down(%)	28.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220.0	η down(%)	100.0	SLI	

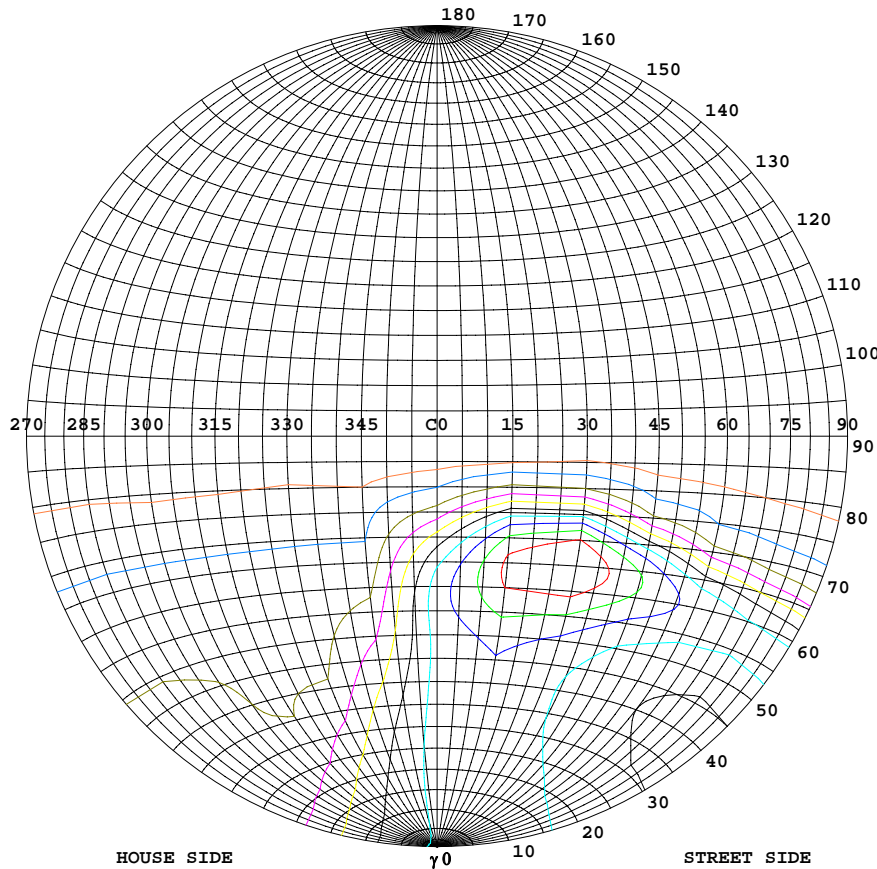


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:



Classification:

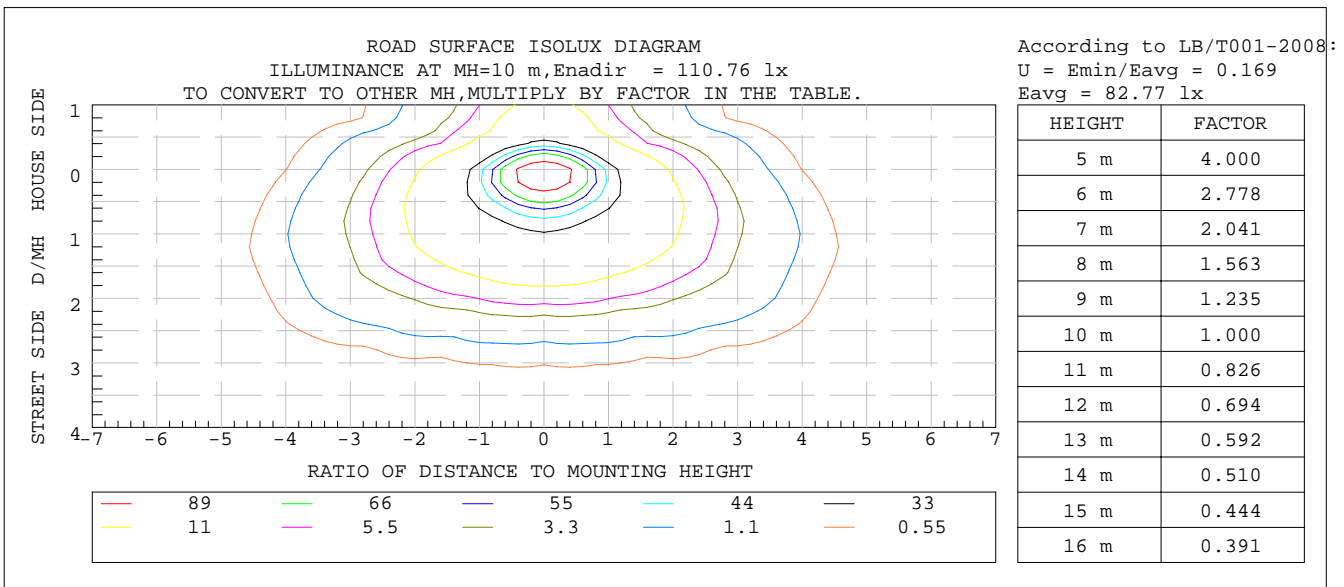
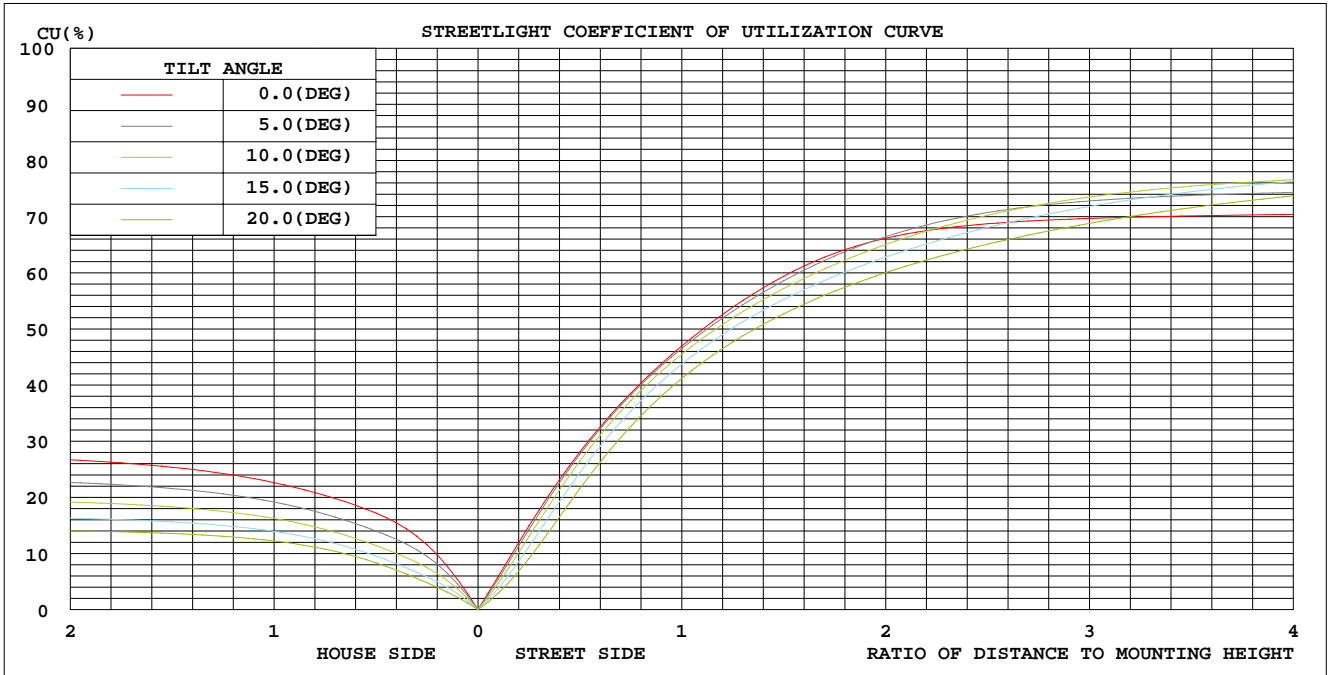
IES:Type III - Short
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:108.2cd/klm
 Max.At90:0cd/klm
 Max.80-90:108.2cd/klm
 NRB 5101:Semi limited[23.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	18018
90%	16216
80%	14414
70%	12613
60%	10811
50%	9009
40%	7207
30%	5405
20%	3604
10%	1802
5%	901

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [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: 2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

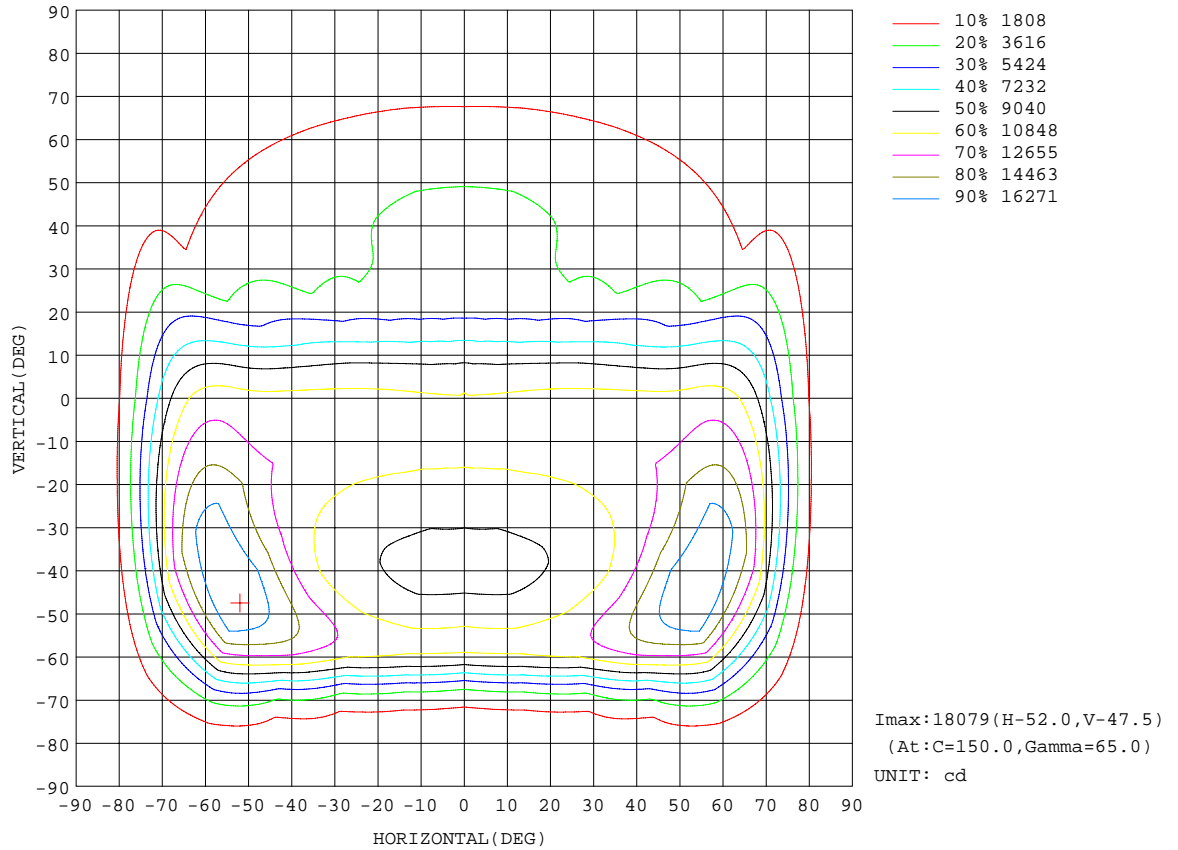
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	1116	1160	1146	1160	1116	930.3	842.1	930.3	0- 10	1027	1027	2.75,2.75
20	1141	1117	1027	1117	1141	672.0	497.8	672.0	10- 20	2783	3810	10.2,10.2
30	1150	1027	902.8	1027	1150	430.2	378.0	430.2	20- 30	3969	7779	20.9,20.9
40	1142	981.8	859.9	981.8	1142	345.6	395.3	345.6	30- 40	4886	12665	34,34
50	1149	1066	1007	1066	1149	313.4	353.0	313.4	40- 50	5852	18516	49.6,49.6
60	1167	1412	1030	1412	1167	247.9	254.8	247.9	50- 60	7319	25835	69.3,69.3
70	785.8	987.0	224.8	987.0	785.8	166.9	159.6	166.9	60- 70	7279	33114	88.8,88.8
80	176.2	136.4	67.32	136.4	176.2	85.08	81.40	85.08	70- 80	3530	36644	98.2,98.2
90	0	0	0	0	0	0	0	0	80- 90	659.0	37303	100,100
100	0	0	0	0	0	0	0	0	90-100	0	37303	100,100
110	0	0	0	0	0	0	0	0	100-110	0	37303	100,100
120	0	0	0	0	0	0	0	0	110-120	0	37303	100,100
130	0	0	0	0	0	0	0	0	120-130	0	37303	100,100
140	0	0	0	0	0	0	0	0	130-140	0	37303	100,100
150	0	0	0	0	0	0	0	0	140-150	0	37303	100,100
160	0	0	0	0	0	0	0	0	150-160	0	37303	100,100
170	0	0	0	0	0	0	0	0	160-170	0	37303	100,100
180	0	0	0	0	0	0	0	0	170-180	0	37303	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

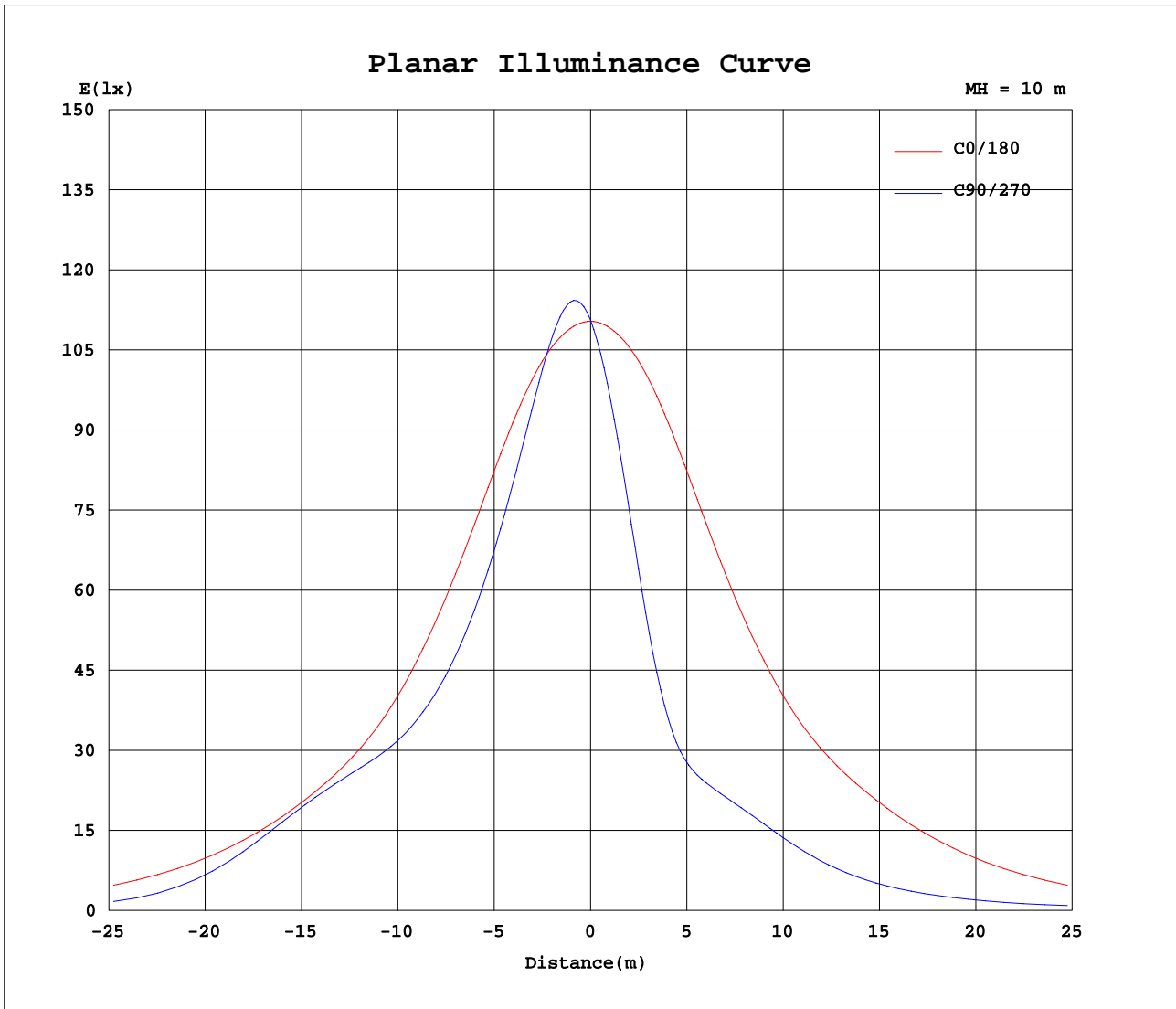
Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

Planar Illuminance Curve



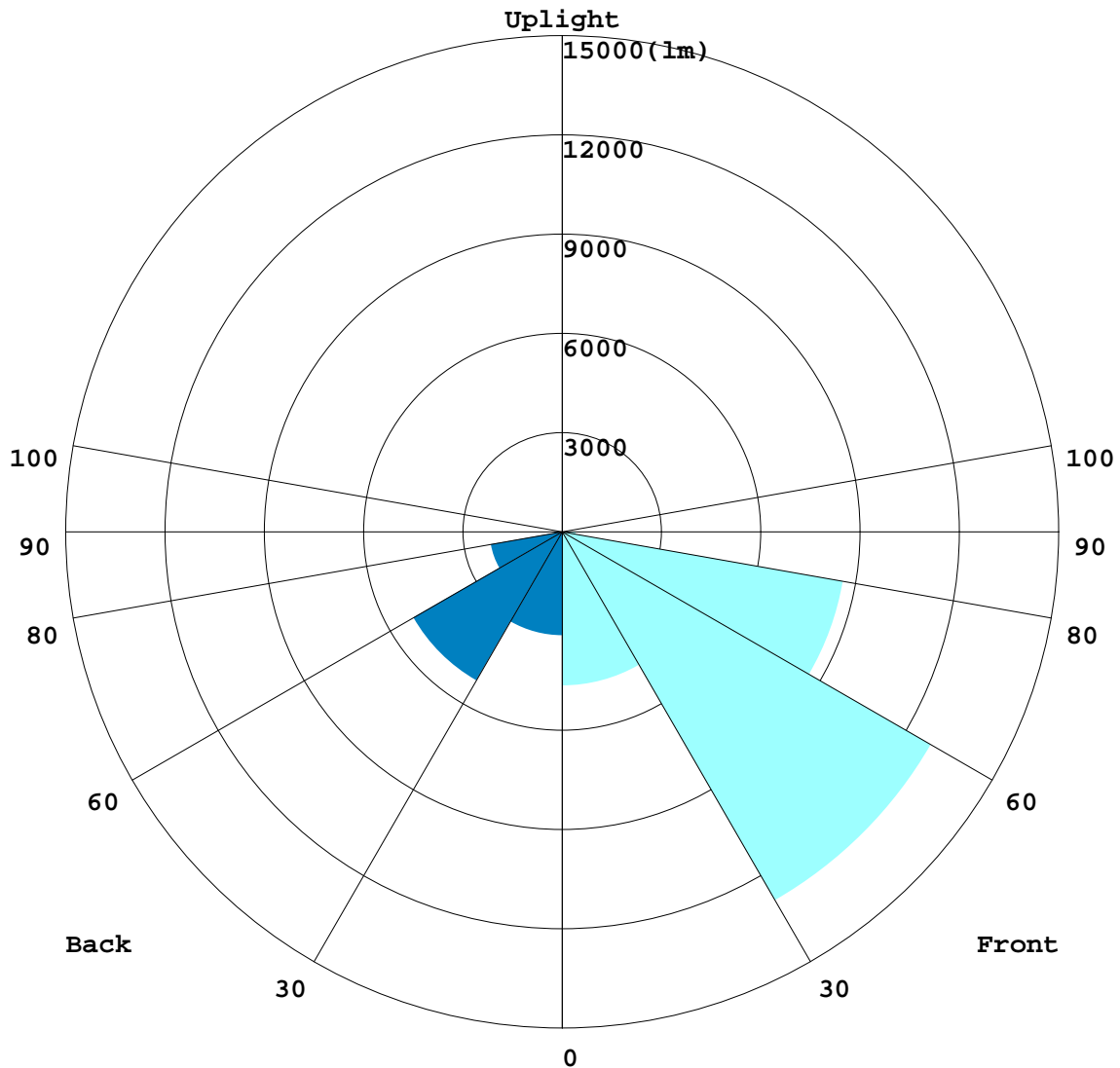
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.684m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300Wot-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4647.5	12.5
FM - Front-Medium(30-60)	12868	34.5
FH - Front-High(60-80)	8617.5	23.1
FVH - Front-Very High(80-90)	415.9	1.1
Total Forward Light	26549	71.2

BL - Back-Low(0-30)	3131.1	8.4
BM - Back-Medium(30-60)	5188	13.9
BH - Back-High(60-80)	2191.4	5.9
BVH - Back-Very High(80-90)	243.13	0.7
Total Back Light	10754	28.8

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10754	0	10754
Street Side	26549	0	26549

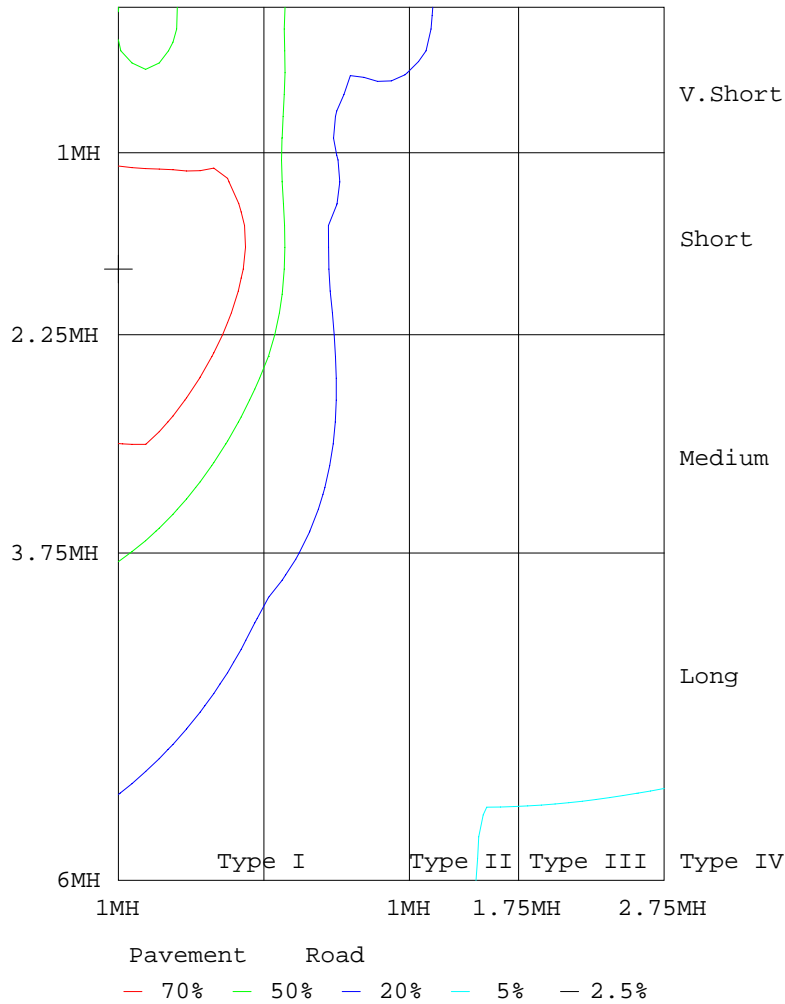
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK oT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK OT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104
5	1107	1124	1137	1145	1149	1153	1153	1153	1149	1145	1137	1124	1107	1081	1054	1029	1010	997	996
10	1116	1146	1159	1160	1152	1149	1146	1149	1152	1160	1159	1146	1116	1059	994	930	881	848	842
15	1129	1168	1169	1148	1119	1103	1095	1103	1119	1148	1169	1168	1129	1035	921	809	726	674	662
20	1141	1187	1167	1117	1065	1038	1027	1038	1065	1117	1167	1187	1141	1002	830	672	569	512	498
25	1149	1198	1152	1072	1003	971	959	971	1003	1072	1152	1198	1149	956	722	539	444	408	400
30	1150	1202	1127	1027	949	912	903	912	949	1027	1127	1202	1150	896	608	430	381	380	378
35	1147	1206	1111	999	914	873	867	873	914	999	1111	1206	1147	821	495	367	369	385	386
40	1142	1220	1110	982	897	859	860	859	897	982	1110	1220	1142	732	394	346	370	393	395
45	1137	1249	1139	999	915	884	899	884	915	999	1139	1249	1137	633	325	332	363	385	386
50	1149	1327	1227	1066	985	972	1007	972	985	1066	1227	1327	1149	529	289	313	338	354	353
55	1181	1474	1420	1221	1119	1098	1121	1098	1119	1221	1420	1474	1181	424	262	284	298	309	305
60	1167	1619	1665	1412	1197	1088	1030	1088	1197	1412	1665	1619	1167	322	235	248	252	259	255
65	1043	1652	1802	1414	960	715	589	715	960	1414	1802	1652	1043	234	206	209	207	211	204
70	786	1465	1625	987	446	284	225	284	446	987	1625	1465	786	174	173	167	161	163	160
75	442	1000	1018	392	175	144	129	144	175	392	1018	1000	442	130	136	125	120	120	119
80	176	404	358	136	104	82.2	67.3	82.2	104	136	358	404	176	90.9	96.1	85.1	79.3	83.6	81.4
85	61.4	82.1	98.3	62.8	52.6	33.7	15.9	33.7	52.6	62.8	98.3	82.1	61.4	52.1	54.9	44.4	37.3	29.0	21.1
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:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.9V I:1.397A P:303.9W PF:0.9892 Freq:49.99Hz Lamp Flux:37302.9x1 lm		
NAME: AOK OT	TYPE:LED	WEIGHT:10KG
SPEC.:AOK-300WoT-3030-T301	DIM.: 0.74*0.36*0.075M	SERIAL No.:
MFR.: AOK	SUR.:0.305*0.305M	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1104	1104	1104	1104	1104														
5	997	1010	1029	1054	1081														
10	848	881	930	994	1059														
15	674	726	809	921	1035														
20	512	569	672	830	1002														
25	408	444	539	722	956														
30	380	381	430	608	896														
35	385	369	367	495	821														
40	393	370	346	394	732														
45	385	363	332	325	633														
50	354	338	313	289	529														
55	309	298	284	262	424														
60	259	252	248	235	322														
65	211	207	209	206	234														
70	163	161	167	173	174														
75	120	120	125	136	130														
80	83.6	79.3	85.1	96.1	90.9														
85	29.0	37.3	44.4	54.9	52.1														
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:2018-12-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks: