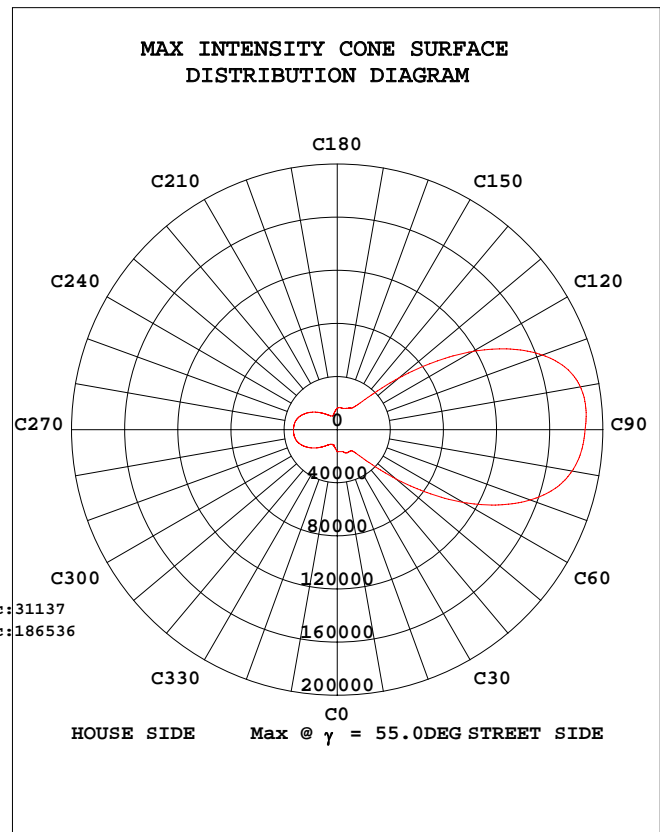
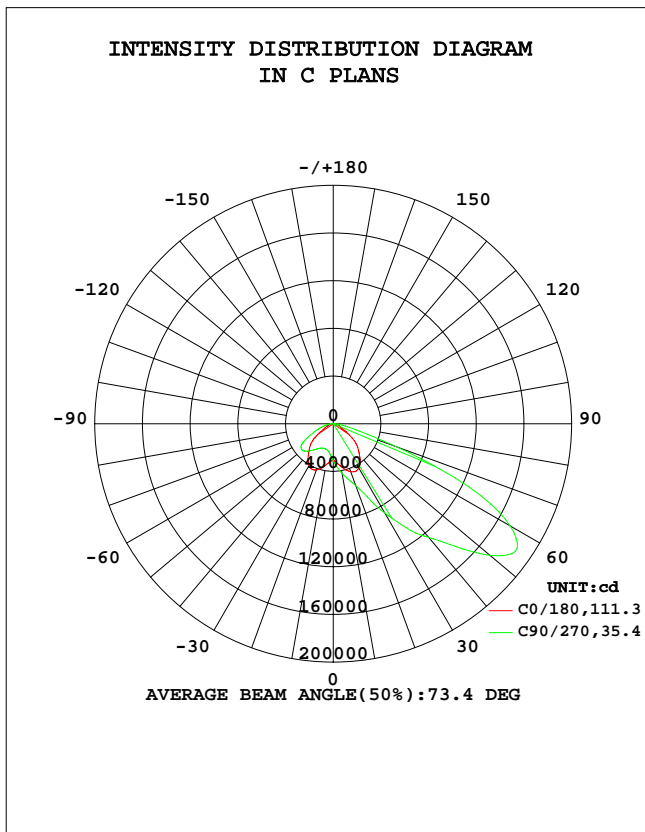


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 189.02 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	186536	η street_up(%)	0.0
NOMINAL POWER(W)	1000	LOR(%)	100.0	η street_down(%)	73.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	186522	η house_up(%)	0.0
NOMINAL FLUX(lm)	186522	MAXIMUM @(C,γ )	90,55.0	η house_down(%)	26.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.309

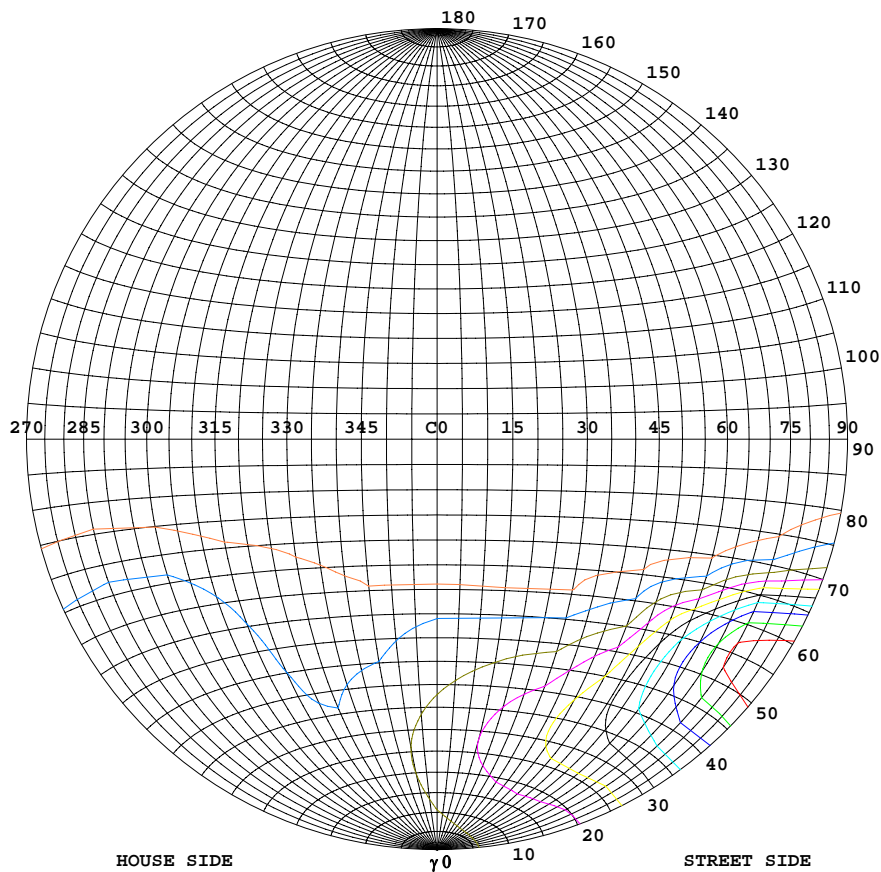


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



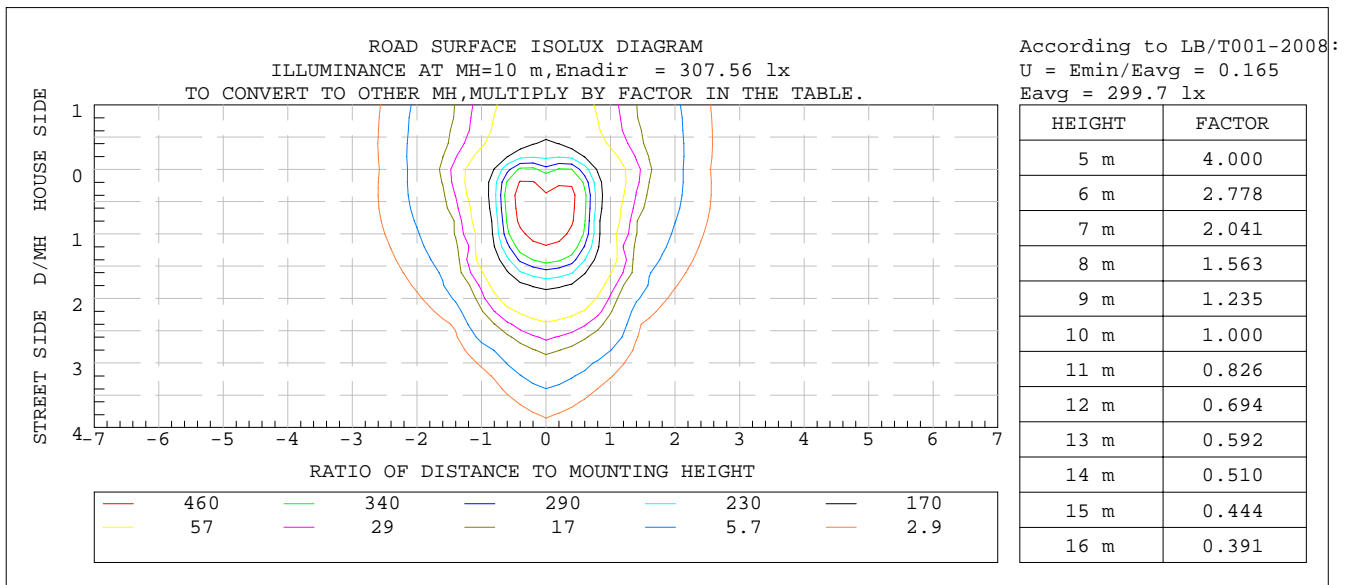
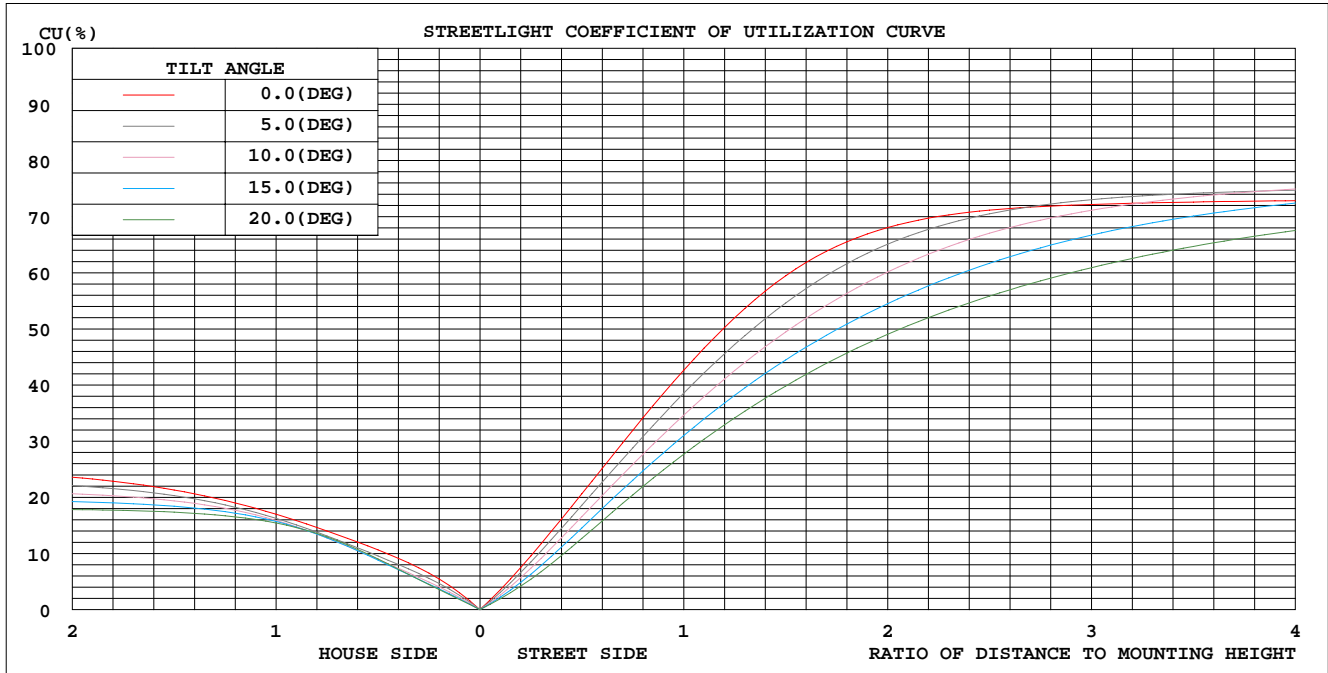
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:46.88cd/klm  
Max.At90:0cd/klm  
Max.80-90:46.88cd/klm  
NRB 5101:Limited[2.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	186536
90%	167883
80%	149229
70%	130575
60%	111922
50%	93268
40%	74614
30%	55961
20%	37307
10%	18654
5%	9327

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [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: 2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

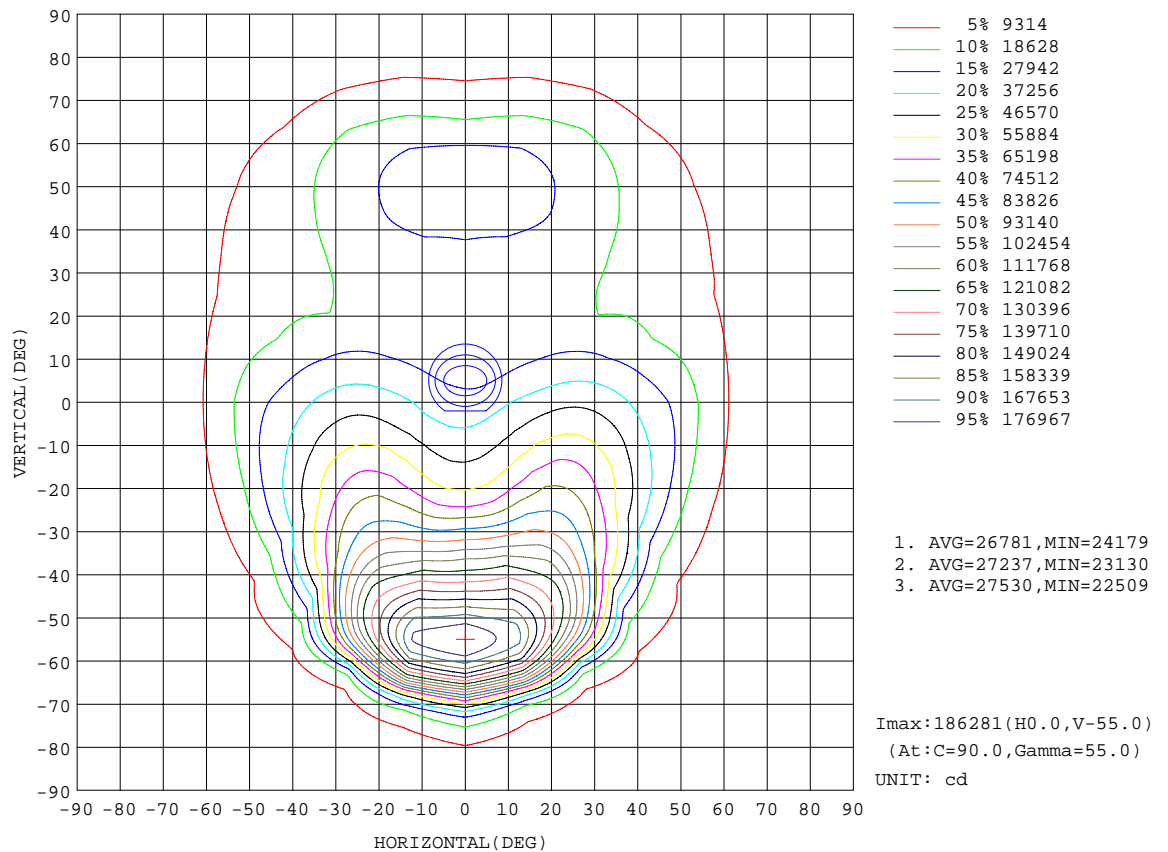
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	361.9	423.8	420.7	415.5	350.9	264.6	235.2	266.7	0- 10	3118	3118	1.67,1.67
20	427.9	599.0	553.0	585.4	412.5	237.6	221.4	239.5	10- 20	10718	13836	7.42,7.42
30	429.2	787.1	866.2	765.5	405.7	208.5	239.8	210.8	20- 30	20873	34709	18.6,18.6
40	343.2	806.9	1245	803.1	321.9	198.8	294.9	205.5	30- 40	32147	66856	35.8,35.8
50	241.9	590.0	1718	600.8	231.2	191.1	341.3	200.4	40- 50	41583	108439	58.1,58.1
60	103.4	196.0	1714	199.6	99.06	166.3	272.6	173.0	50- 60	43081	151520	81.2,81.2
70	55.79	73.36	558.1	71.18	52.88	101.0	135.4	105.2	60- 70	25440	176960	94.9,94.9
80	24.86	29.48	87.44	28.37	23.08	32.59	50.25	34.81	70- 80	7706	184666	99,99
90	0	0	0	0	0	0	0	0	80- 90	1856	186522	100,100
100	0	0	0	0	0	0	0	0	90-100	0	186522	100,100
110	0	0	0	0	0	0	0	0	100-110	0	186522	100,100
120	0	0	0	0	0	0	0	0	110-120	0	186522	100,100
130	0	0	0	0	0	0	0	0	120-130	0	186522	100,100
140	0	0	0	0	0	0	0	0	130-140	0	186522	100,100
150	0	0	0	0	0	0	0	0	140-150	0	186522	100,100
160	0	0	0	0	0	0	0	0	150-160	0	186522	100,100
170	0	0	0	0	0	0	0	0	160-170	0	186522	100,100
180	0	0	0	0	0	0	0	0	170-180	0	186522	100,100
DEG	LUMINOUS INTENSITY:x100cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

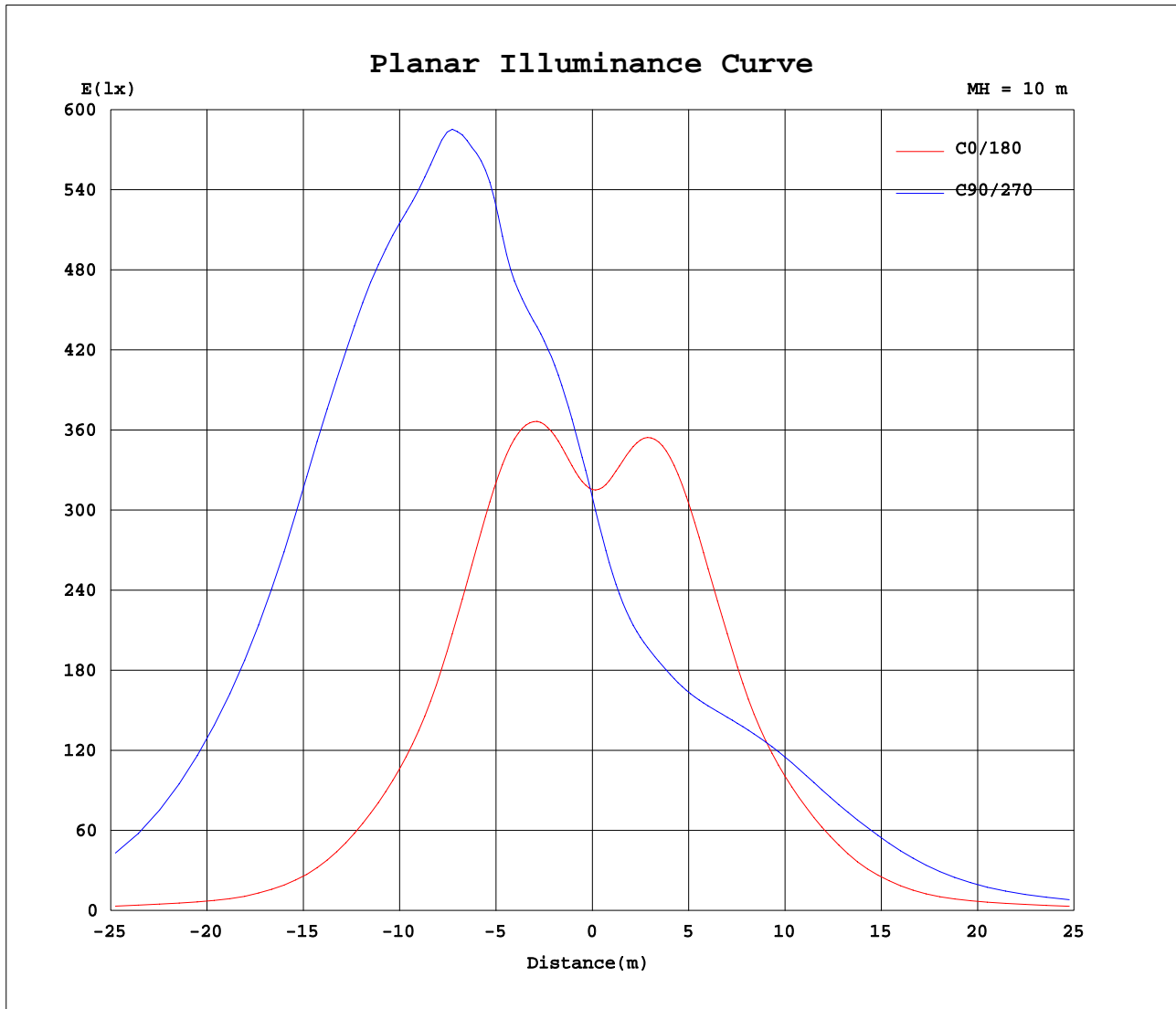
Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



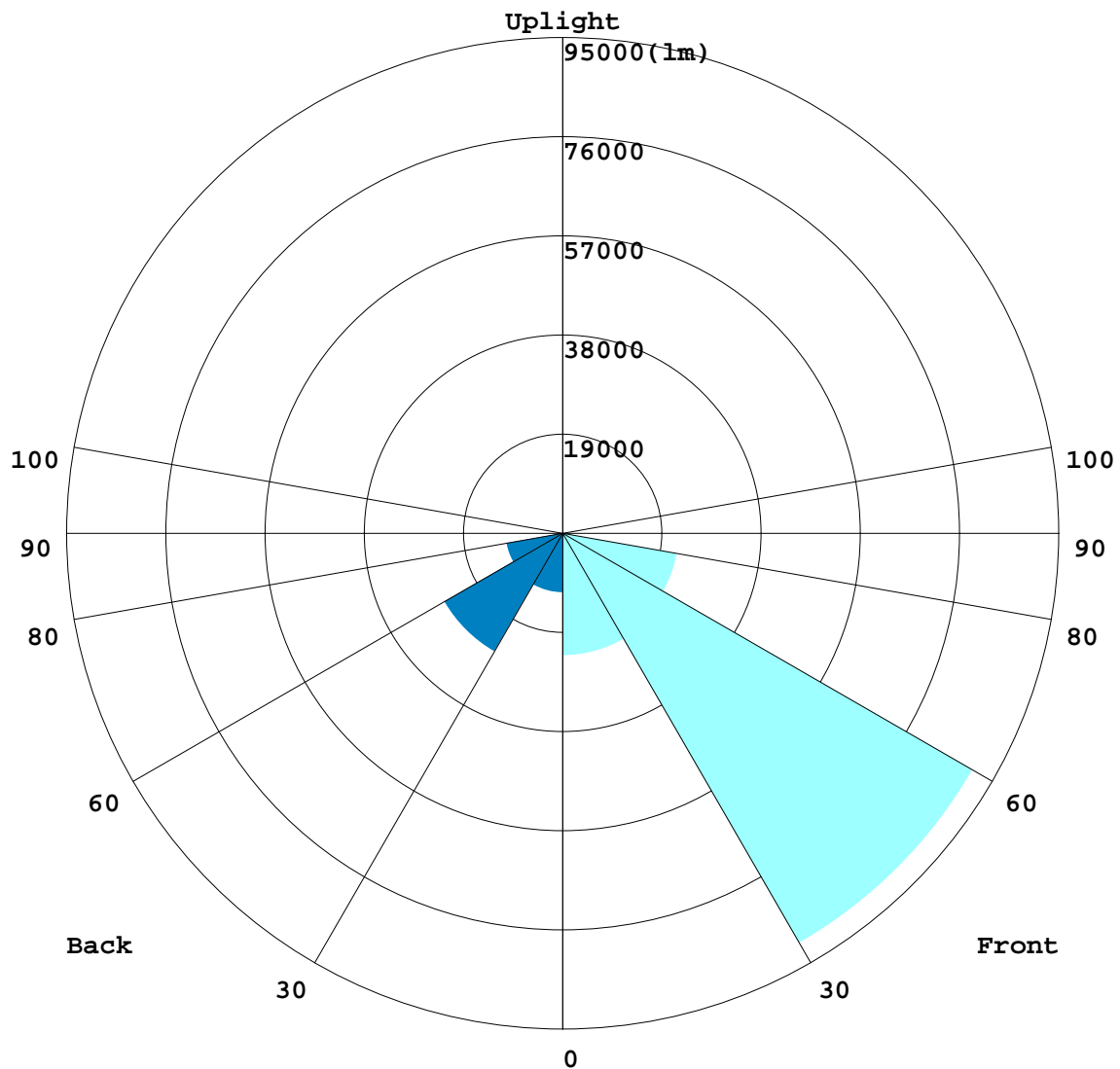
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## BUG REPORT

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	23378	12.5
FM - Front-Medium(30-60)	90640	48.6
FH - Front-High(60-80)	22233	11.9
FVH - Front-Very High(80-90)	942.47	0.5
Total Forward Light	1.3719e+005	73.6

BL - Back-Low(0-30)	11331	6.1
BM - Back-Medium(30-60)	26171	14.0
BH - Back-High(60-80)	10913	5.9
BVH - Back-Very High(80-90)	913.55	0.5
Total Back Light	49328	26.4

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	B5-U0-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	49328	0	49328
Street Side	1.3719e+005	0	1.3719e+005

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-11

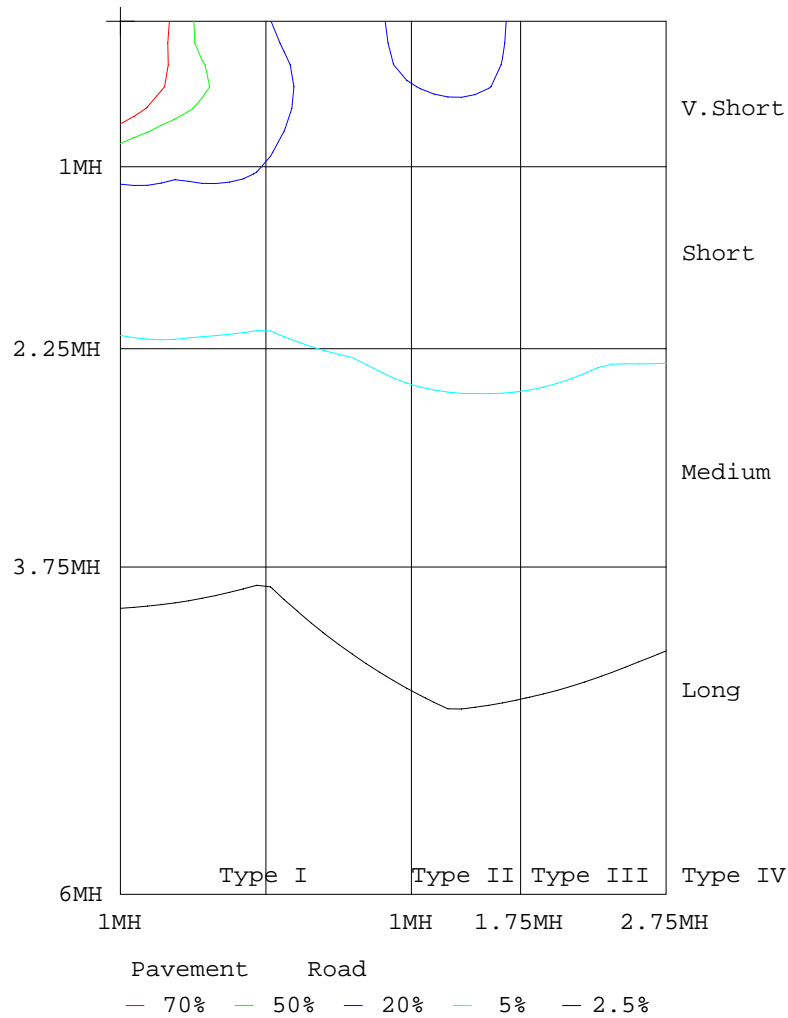
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

#### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--1

UNIT: ×100cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310
5	327	340	350	357	361	363	363	362	358	353	345	335	320	307	293	281	271	266	264
10	362	391	412	424	426	423	421	420	419	415	403	381	351	320	289	265	248	238	235
15	399	449	488	505	500	487	480	481	490	494	477	438	386	334	286	252	233	225	223
20	428	504	569	599	591	564	553	555	576	585	556	490	413	339	276	238	224	222	221
25	441	544	641	704	714	685	680	670	688	684	623	525	421	331	257	222	220	224	226
30	429	547	672	787	850	858	866	827	813	765	654	525	406	306	227	209	220	234	240
35	394	513	649	822	969	1047	1063	1009	935	811	637	494	371	268	195	200	228	254	264
40	343	447	574	807	1095	1249	1245	1222	1065	803	565	431	322	227	169	199	246	283	295
45	295	369	459	735	1186	1427	1459	1427	1191	738	459	359	280	187	151	196	261	312	326
50	242	280	324	590	1206	1612	1718	1655	1250	601	325	274	231	149	137	191	262	324	341
55	167	171	190	373	1097	1702	1865	1787	1180	381	191	166	162	115	126	182	256	314	330
60	103	94.1	101	196	774	1516	1714	1609	877	200	97.3	96.9	99.1	94.1	114	166	234	275	273
65	73.3	77.6	81.6	99.4	260	943	1260	1076	296	98.7	81.6	76.8	70.8	79.2	99.4	143	197	214	194
70	55.8	63.2	67.7	73.4	82.4	260	558	347	83.8	71.2	65.6	59.3	52.9	63.2	78.8	101	148	152	135
75	39.0	43.2	48.7	47.7	56.0	88.4	197	107	57.3	46.0	46.8	41.4	36.8	47.1	52.8	59.8	90.0	101	88.9
80	24.9	28.2	30.9	29.5	35.1	48.3	87.4	52.3	35.0	28.4	29.4	26.3	23.1	30.2	31.0	32.6	45.7	55.2	50.3
85	12.4	16.8	14.1	13.4	15.0	20.5	34.8	21.5	14.5	12.1	12.4	15.2	10.9	12.3	12.2	12.7	16.6	20.8	17.8
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:2023-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.0V I:4.535A P:986.8W PF:0.9938 Freq:60.01Hz Lamp Flux:186522x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1000WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--2

UNIT: ×100cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	310	310	310	310	310														
5	266	273	283	296	311														
10	239	249	267	293	326														
15	226	234	254	290	341														
20	223	225	240	281	349														
25	224	221	224	261	344														
30	235	222	211	230	321														
35	256	232	203	196	282														
40	285	251	205	174	237														
45	316	269	206	157	192														
50	329	271	200	144	152														
55	318	263	190	132	120														
60	279	240	173	119	97.0														
65	216	202	148	103	83.4														
70	153	151	105	82.3	67.2														
75	101	92.8	62.2	55.1	50.3														
80	56.2	48.0	34.8	33.2	33.3														
85	21.3	18.1	14.5	14.3	14.9														
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:2023-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks: