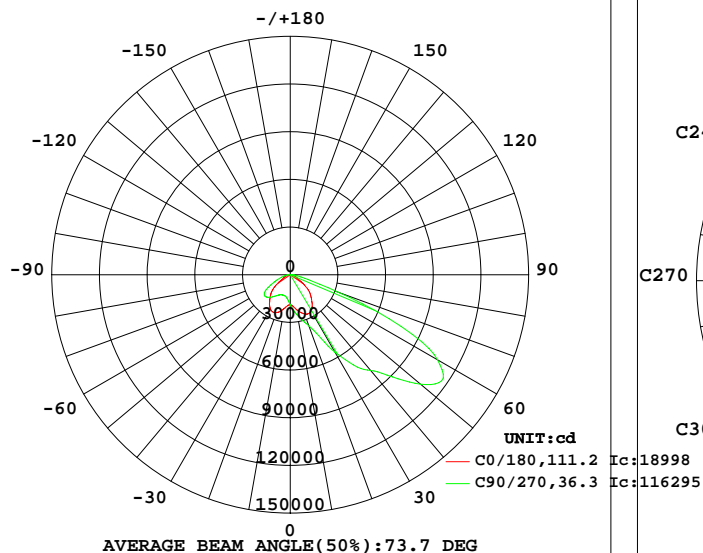
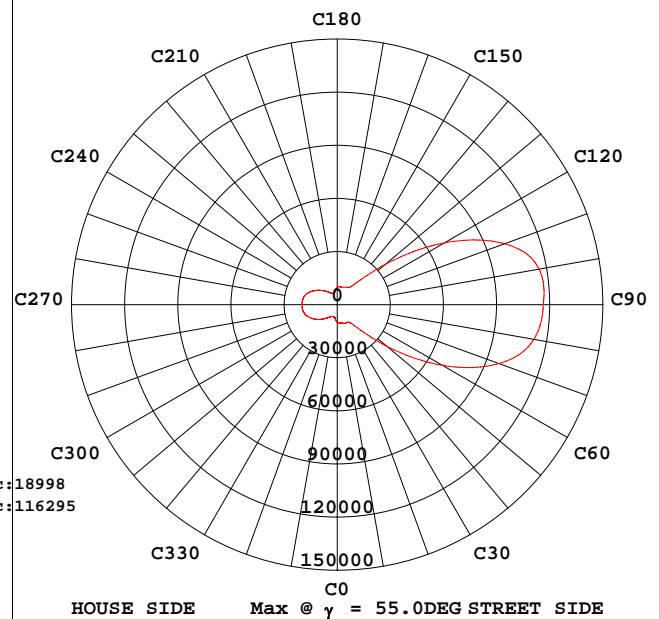


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 189.03 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	116295	η street_up(%)	0.0
NOMINAL POWER(W)	600	LOR(%)	100.0	η street_down(%)	73.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	115149	η house_up(%)	0.0
NOMINAL FLUX(lm)	115149	MAXIMUM @(C,γ )	90,55.0	η house_down(%)	26.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.642

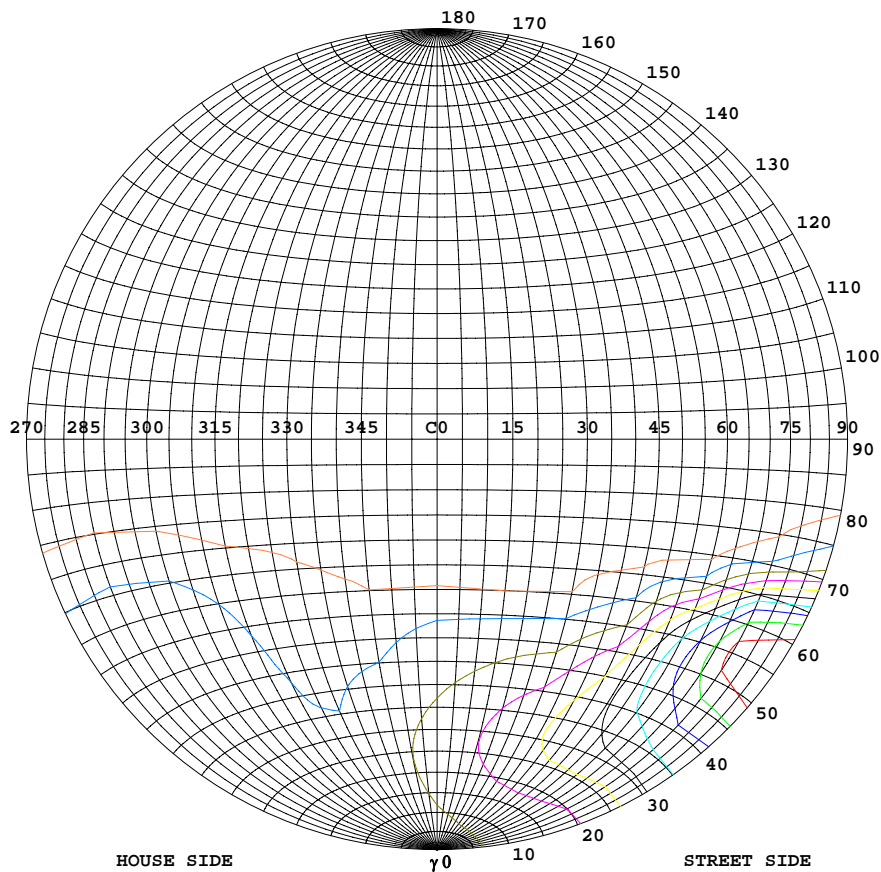
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date: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:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



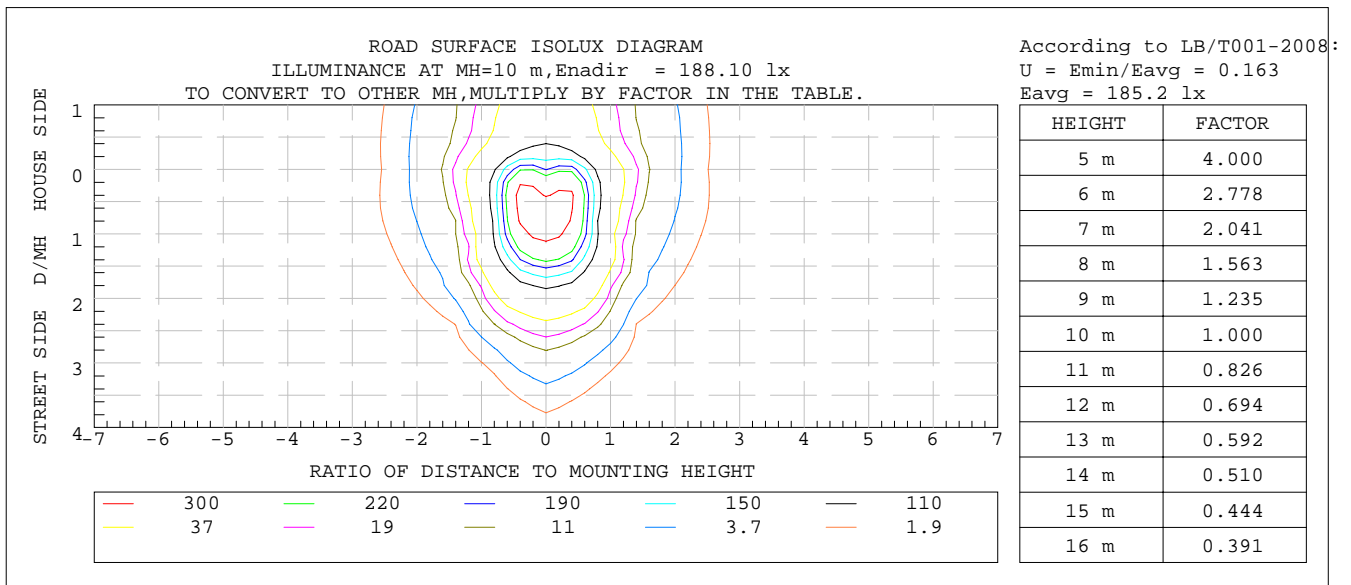
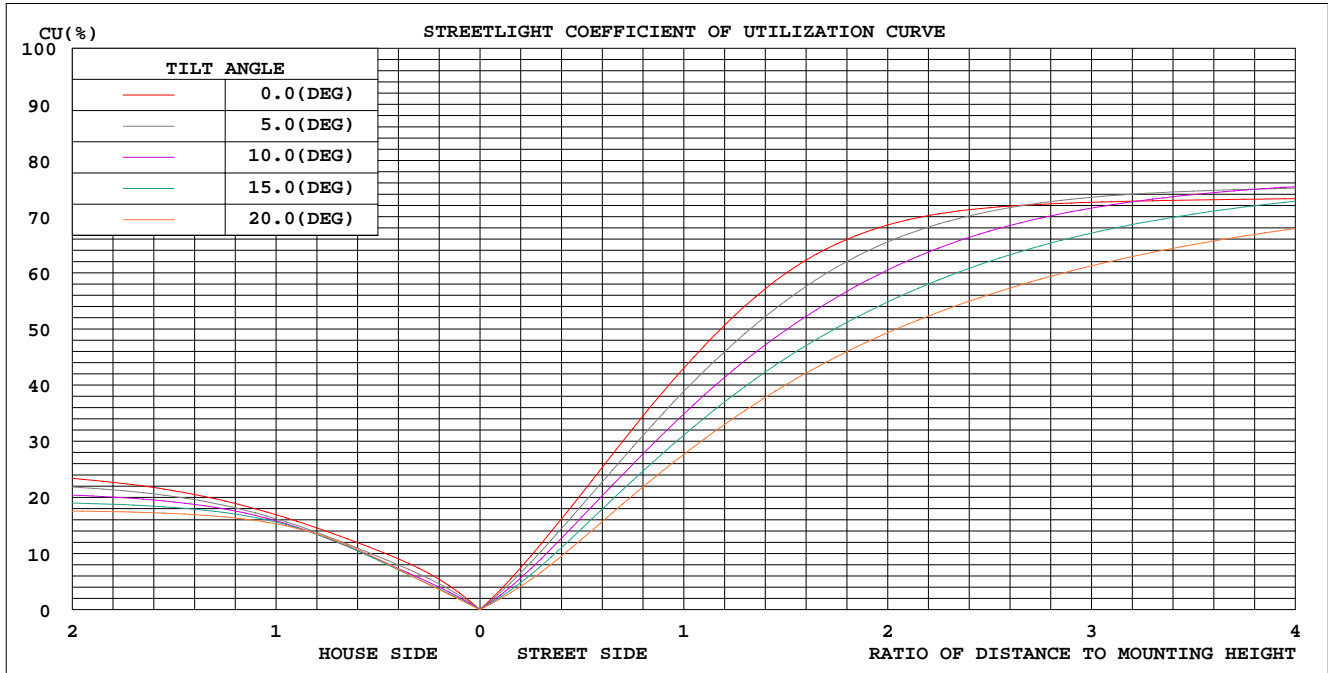
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:45.84cd/klm  
Max.At90:0cd/klm  
Max.80-90:45.84cd/klm  
NRB 5101:Limited[2.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	116295
90%	104665
80%	93036
70%	81406
60%	69777
50%	58147
40%	46518
30%	34888
20%	23259
10%	11629
5%	5815

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:

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  
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:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

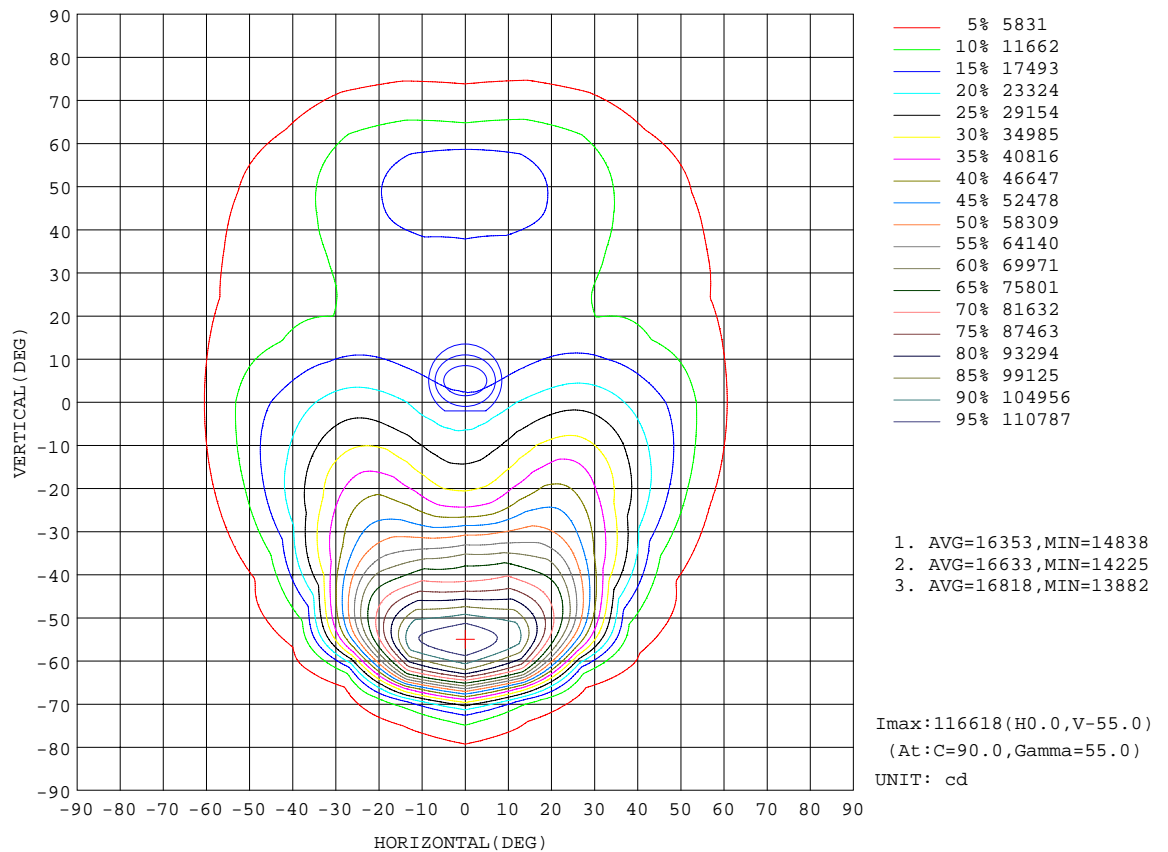
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	221.0	260.6	258.4	254.8	214.7	161.4	143.9	163.3	0- 10	1907	1907	1.66,1.66
20	262.2	373.5	342.1	363.9	253.6	145.1	136.5	146.8	10- 20	6593	8500	7.38,7.38
30	263.2	502.1	561.5	481.1	249.7	128.7	148.5	129.6	20- 30	12998	21498	18.7,18.7
40	210.8	505.6	785.9	489.1	199.0	124.5	182.9	126.4	30- 40	20152	41650	36.2,36.2
50	147.7	372.3	1072	352.4	142.9	119.5	208.5	121.7	40- 50	25733	67383	58.5,58.5
60	61.50	125.4	1070	117.0	60.32	102.6	161.6	103.5	50- 60	26524	93908	81.6,81.6
70	34.74	47.41	318.4	45.10	32.84	59.68	80.12	60.84	60- 70	15513	109420	95,95
80	15.59	19.47	52.79	18.13	14.37	18.99	28.95	20.16	70- 80	4587	114008	99,99
90	0	0	0	0	0	0	0	0	80- 90	1142	115149	100,100
100	0	0	0	0	0	0	0	0	90-100	0	115149	100,100
110	0	0	0	0	0	0	0	0	100-110	0	115149	100,100
120	0	0	0	0	0	0	0	0	110-120	0	115149	100,100
130	0	0	0	0	0	0	0	0	120-130	0	115149	100,100
140	0	0	0	0	0	0	0	0	130-140	0	115149	100,100
150	0	0	0	0	0	0	0	0	140-150	0	115149	100,100
160	0	0	0	0	0	0	0	0	150-160	0	115149	100,100
170	0	0	0	0	0	0	0	0	160-170	0	115149	100,100
180	0	0	0	0	0	0	0	0	170-180	0	115149	100,100
DEG	LUMINOUS INTENSITY:×100cd									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  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

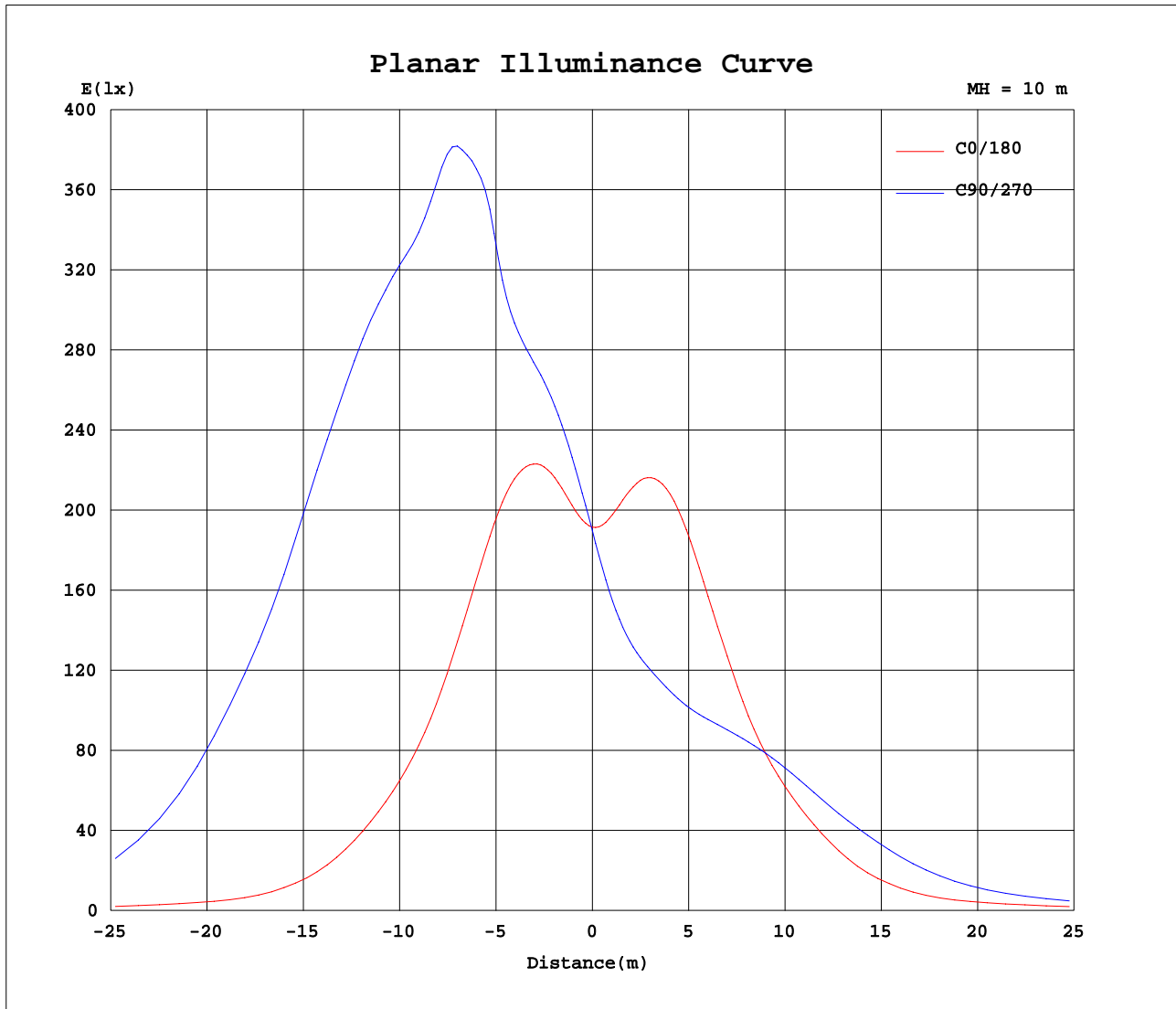
Test:U:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



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

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:

## Planar Illuminance Curve



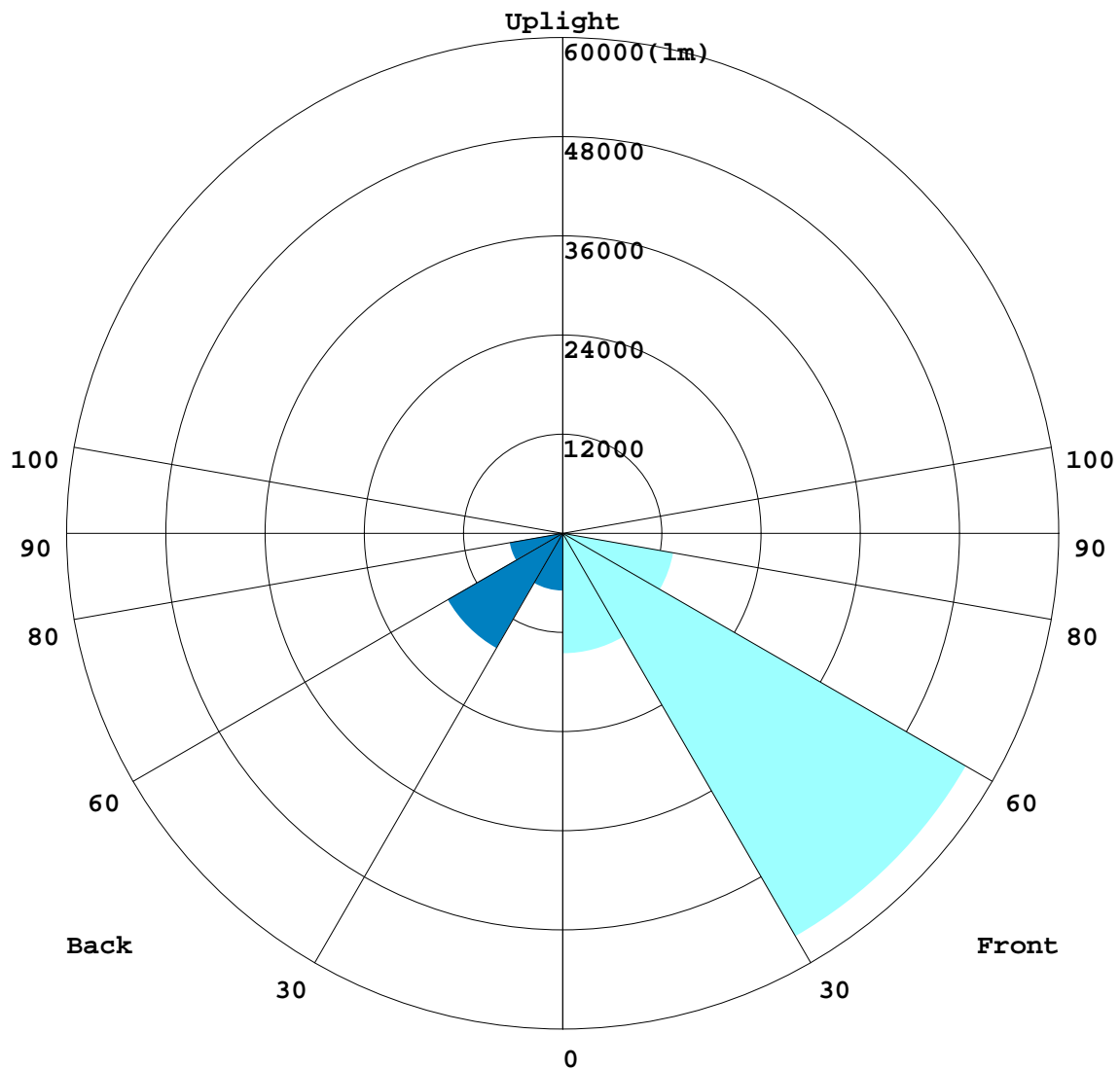
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-11

$\gamma$  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:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	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:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	14552	12.6
FM - Front-Medium(30-60)	56349	48.9
FH - Front-High(60-80)	13604	11.8
FVH - Front-Very High(80-90)	626.96	0.5
Total Forward Light	85132	73.9

BL - Back-Low(0-30)	6945.6	6.0
BM - Back-Medium(30-60)	16061	13.9
BH - Back-High(60-80)	6495.6	5.6
BVH - Back-Very High(80-90)	515.01	0.4
Total Back Light	30017	26.1

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-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	30017	0	30017
Street Side	85132	0	85132

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

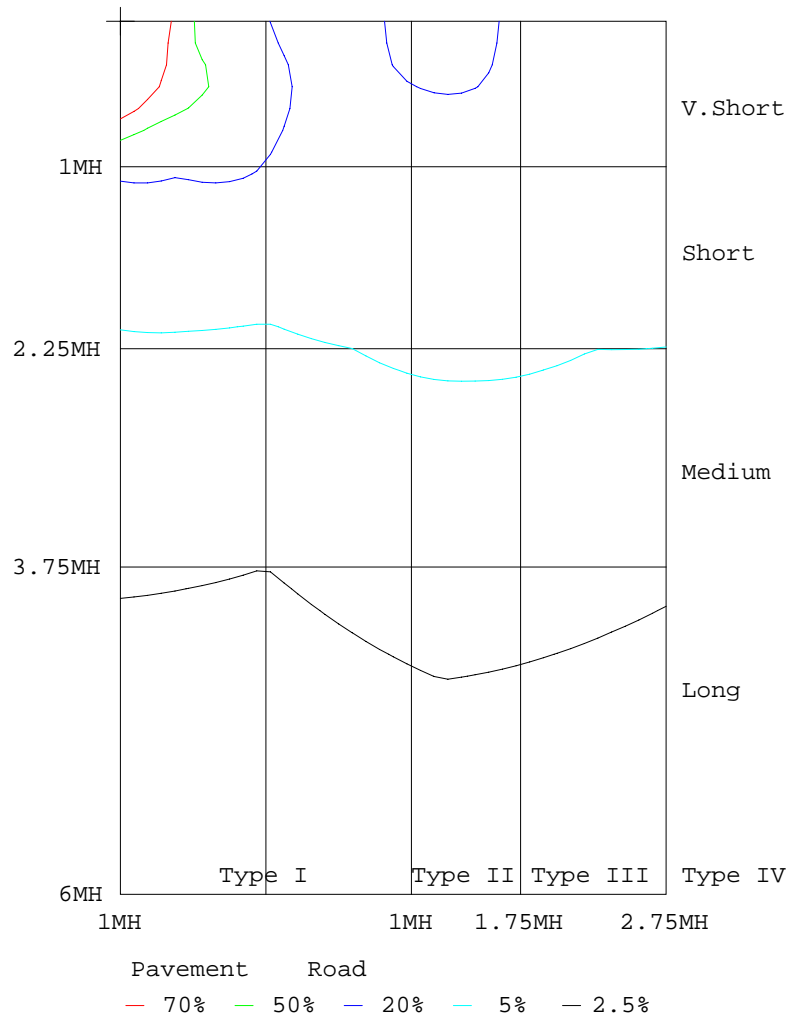
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	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:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	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	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189	189
5	200	208	214	219	221	223	223	222	220	216	211	204	196	187	178	171	165	162	161
10	221	239	253	261	262	261	258	259	258	255	247	232	215	195	176	161	151	146	144
15	244	276	301	312	309	301	296	298	303	305	293	267	237	204	173	153	142	139	137
20	262	312	354	373	366	350	342	345	359	364	343	301	254	207	167	145	138	137	136
25	271	339	402	445	448	427	422	419	433	429	386	323	259	202	155	136	135	139	139
30	263	342	423	502	543	554	561	531	516	481	404	322	250	186	136	129	136	146	148
35	241	319	405	520	615	676	693	649	586	503	388	302	228	162	118	125	142	159	164
40	211	278	356	506	688	795	786	773	652	489	342	264	199	137	104	124	154	178	183
45	181	231	284	460	741	894	909	886	722	441	277	221	173	112	93.3	123	163	195	201
50	148	175	200	372	749	1012	1072	1025	752	352	195	169	143	89.4	85.1	120	163	200	209
55	102	105	116	240	686	1071	1163	1108	699	224	115	102	98.7	69.9	78.3	113	157	192	199
60	61.5	57.3	59.2	125	484	948	1070	991	502	117	59.4	60.3	60.3	58.0	70.2	103	142	164	162
65	45.4	48.4	50.8	64.0	161	601	771	651	164	59.9	50.4	47.7	43.9	48.9	60.9	86.7	118	126	114
70	34.7	40.4	42.5	47.4	50.4	139	318	171	50.1	45.1	40.8	37.3	32.8	38.9	47.8	59.7	87.2	88.6	80.1
75	24.4	27.5	30.9	30.9	35.4	55.4	115	63.0	35.2	29.1	29.3	25.9	22.9	28.8	31.6	35.1	52.7	58.2	51.7
80	15.6	18.0	19.7	19.5	22.8	31.7	52.8	32.7	22.0	18.1	18.7	16.5	14.4	18.4	18.4	19.0	26.7	31.2	29.0
85	7.64	11.0	9.33	9.35	10.5	14.6	23.0	14.7	9.67	8.29	8.11	11.2	6.74	7.14	6.79	6.65	9.14	11.2	9.43
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:219.2V I:2.797A P:609.2W PF:0.9937 Freq:60.01Hz Lamp Flux:115149x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-600WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--2

UNIT: ×100cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	189	189	189	189	189														
5	163	166	173	181	190														
10	146	152	163	179	200														
15	140	144	155	177	209														
20	138	139	147	172	215														
25	139	136	138	160	212														
30	146	137	130	140	197														
35	159	143	125	120	173														
40	178	154	126	106	146														
45	195	165	125	96.1	119														
50	201	164	122	87.3	93.5														
55	192	158	115	79.9	73.1														
60	166	143	103	71.3	59.2														
65	128	119	87.3	61.5	51.0														
70	90.8	87.5	60.8	49.1	40.9														
75	59.7	53.0	36.2	33.2	30.6														
80	31.9	27.1	20.2	19.9	20.1														
85	11.4	9.82	7.86	8.29	8.87														
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: