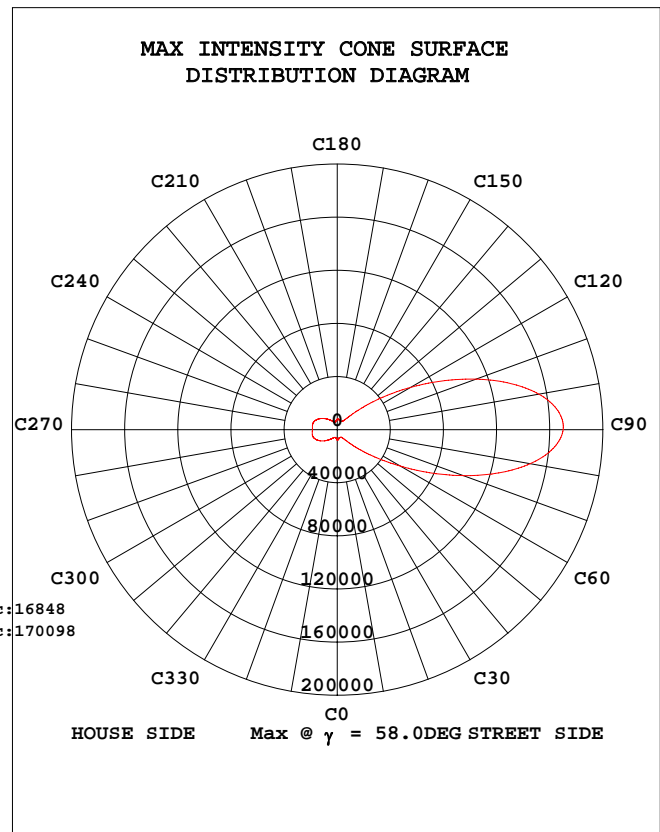
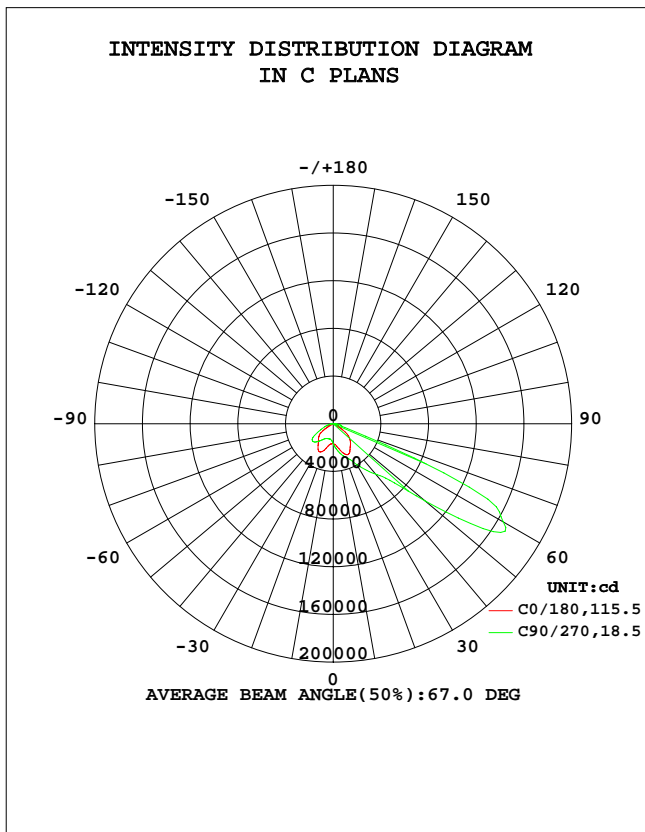


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.83 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	170098	η street_up(%)	0.0
NOMINAL POWER(W)	800	LOR(%)	100.0	η street_down(%)	73.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	113737	η house_up(%)	0.0
NOMINAL FLUX(lm)	113737	MAXIMUM @(C,γ )	90,58.0	η house_down(%)	26.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.686

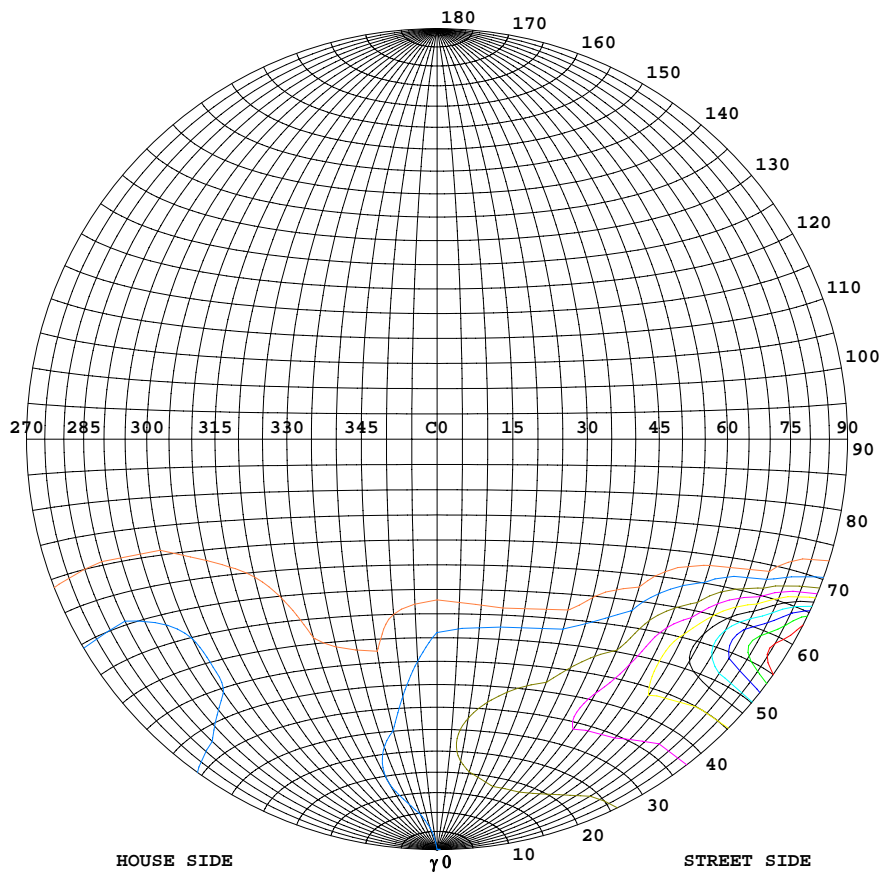


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-16

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:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



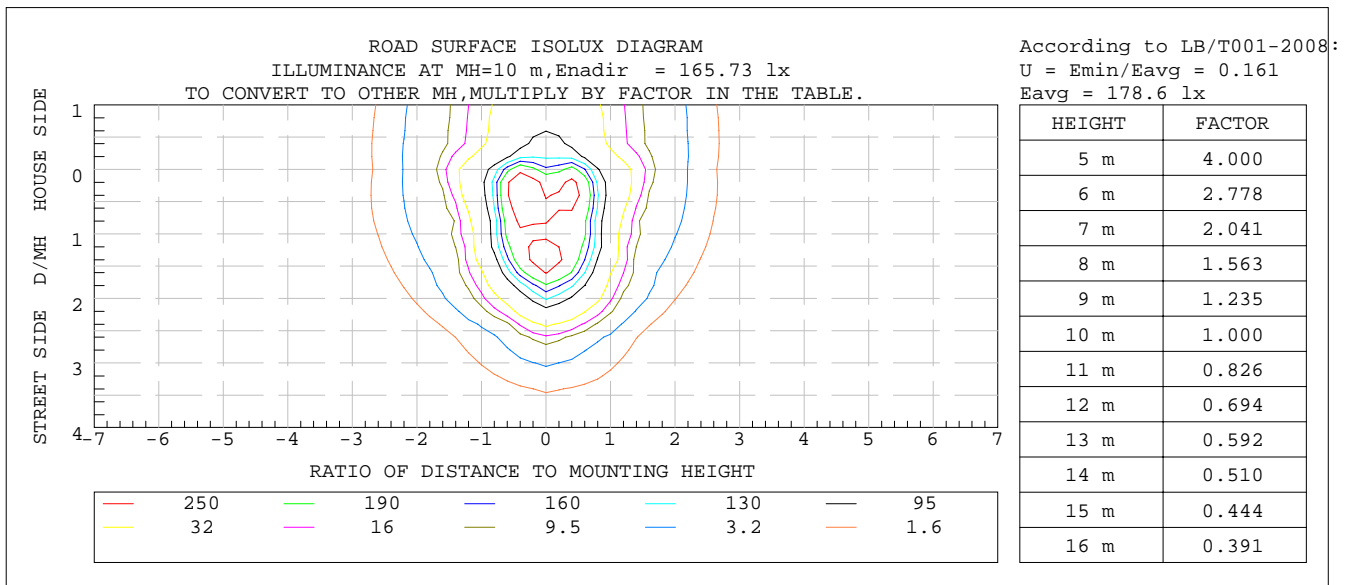
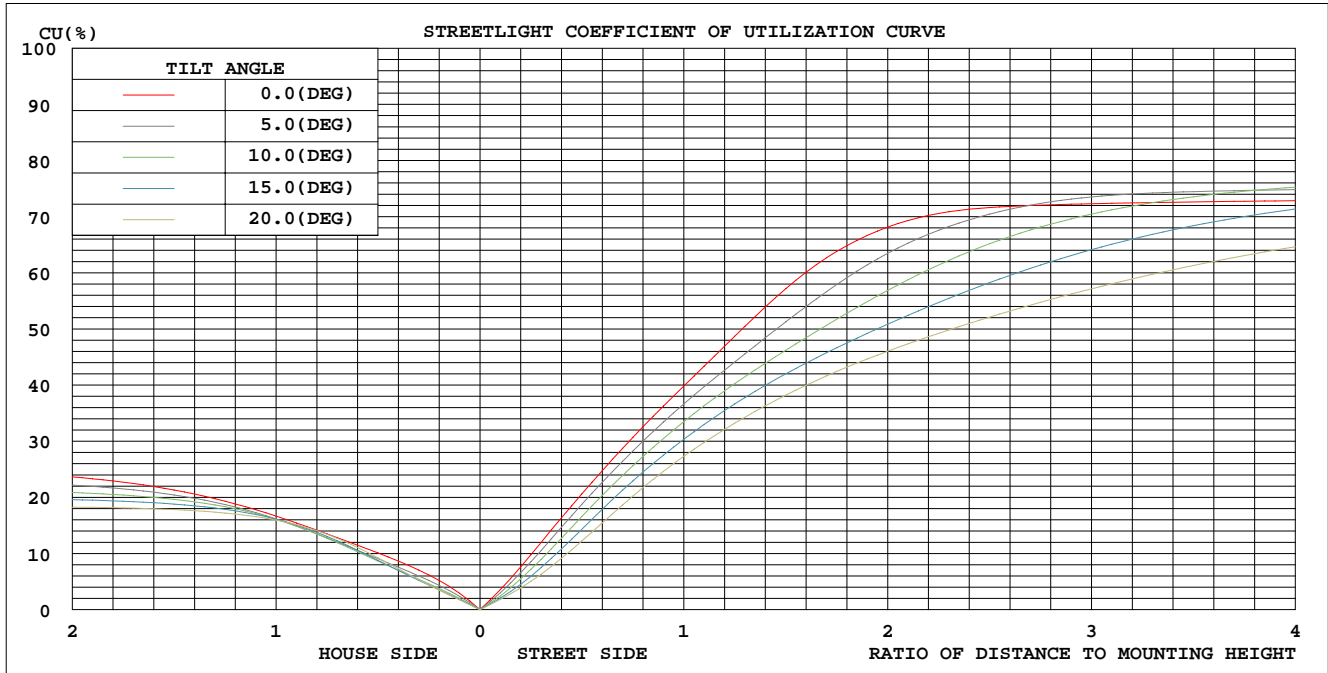
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:51.68cd/klm  
Max.At90:0cd/klm  
Max.80-90:51.68cd/klm  
NRB 5101:Limited[2.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	170098
90%	153088
80%	136078
70%	119069
60%	102059
50%	85049
40%	68039
30%	51029
20%	34020
10%	17010
5%	8505

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-16

$\gamma$  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: 2023-10-16

$\gamma$  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:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

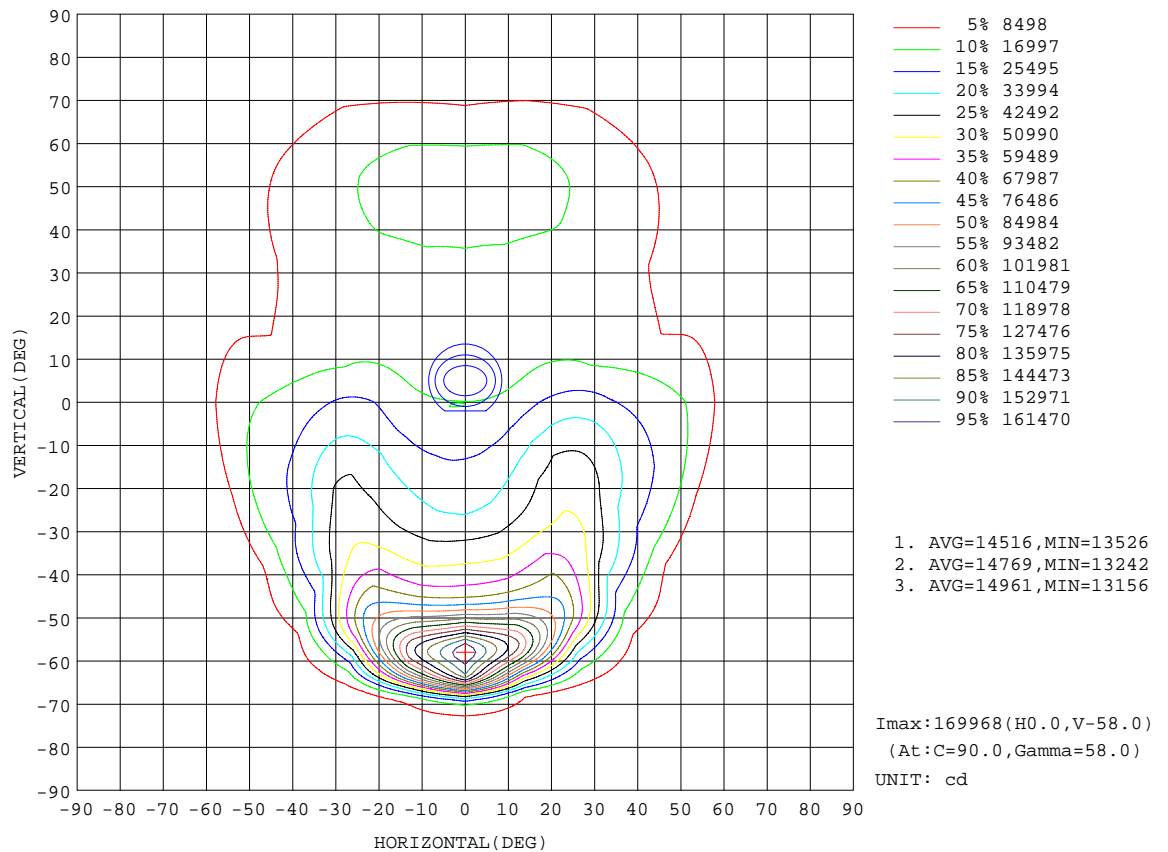
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	196.6	234.8	233.3	220.1	179.3	139.6	133.4	145.4	0- 10	1683	1683	1.48,1.48
20	267.0	362.1	297.5	312.5	241.3	137.4	133.5	143.3	10- 20	6026	7710	6.78,6.78
30	276.8	478.3	397.4	425.6	253.6	126.7	146.8	124.6	20- 30	12030	19739	17.4,17.4
40	225.7	515.9	551.9	505.8	195.2	122.1	192.9	122.4	30- 40	18081	37820	33.3,33.3
50	172.6	343.9	1007	356.6	155.7	126.0	226.6	127.8	40- 50	23827	61647	54.2,54.2
60	58.90	129.9	1647	134.8	60.35	111.5	162.7	111.1	50- 60	29347	90994	80,80
70	35.11	47.79	188.9	46.43	33.43	63.05	77.85	62.24	60- 70	17220	108215	95.1,95.1
80	15.81	20.52	58.77	19.41	14.71	19.27	29.68	20.25	70- 80	4338	112553	99,99
90	0	0	0	0	0	0	0	0	80- 90	1183	113737	100,100
100	0	0	0	0	0	0	0	0	90-100	0	113737	100,100
110	0	0	0	0	0	0	0	0	100-110	0	113737	100,100
120	0	0	0	0	0	0	0	0	110-120	0	113737	100,100
130	0	0	0	0	0	0	0	0	120-130	0	113737	100,100
140	0	0	0	0	0	0	0	0	130-140	0	113737	100,100
150	0	0	0	0	0	0	0	0	140-150	0	113737	100,100
160	0	0	0	0	0	0	0	0	150-160	0	113737	100,100
170	0	0	0	0	0	0	0	0	160-170	0	113737	100,100
180	0	0	0	0	0	0	0	0	170-180	0	113737	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:2023-10-16

$\gamma$  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

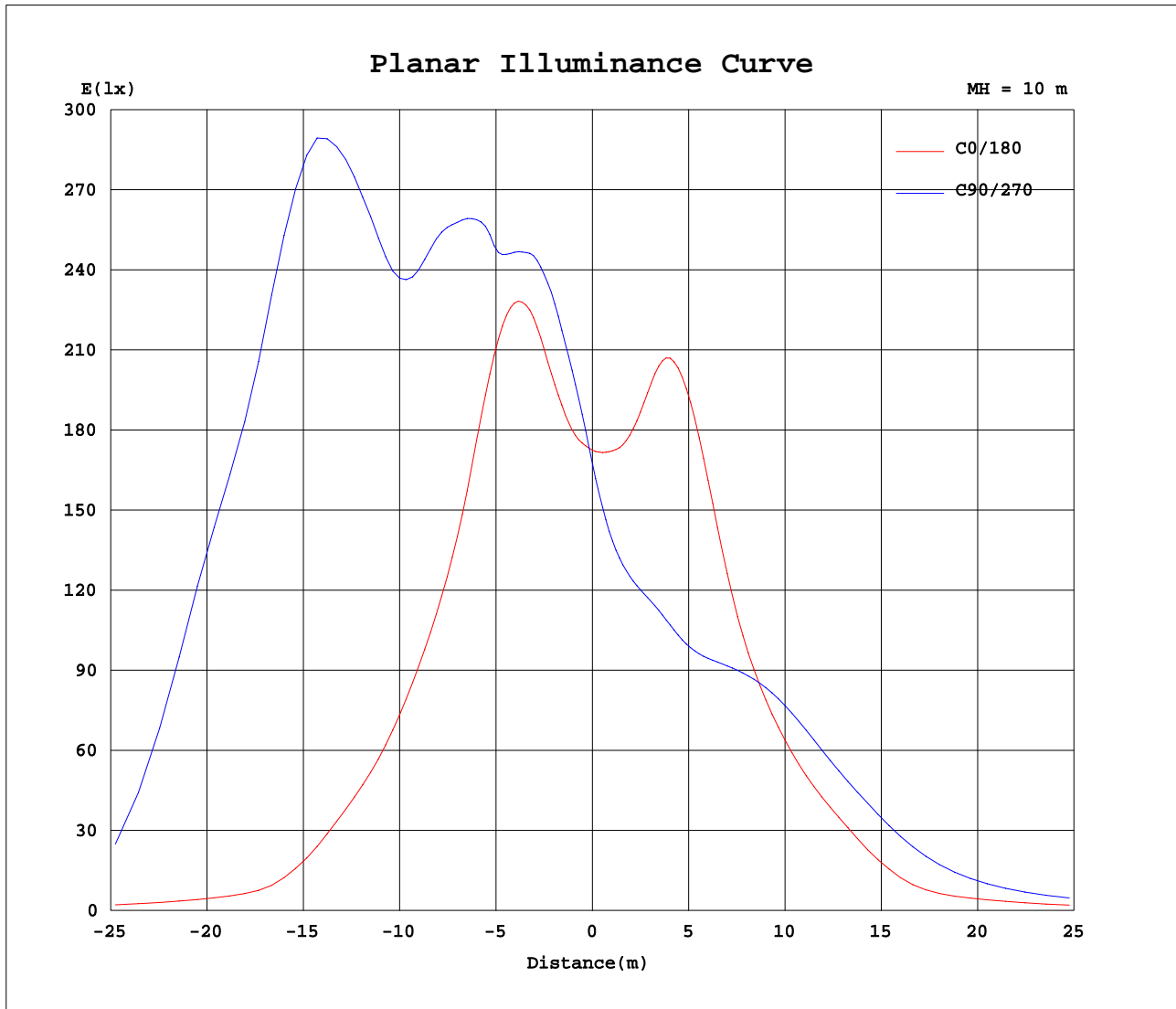
Test:U:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-16

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



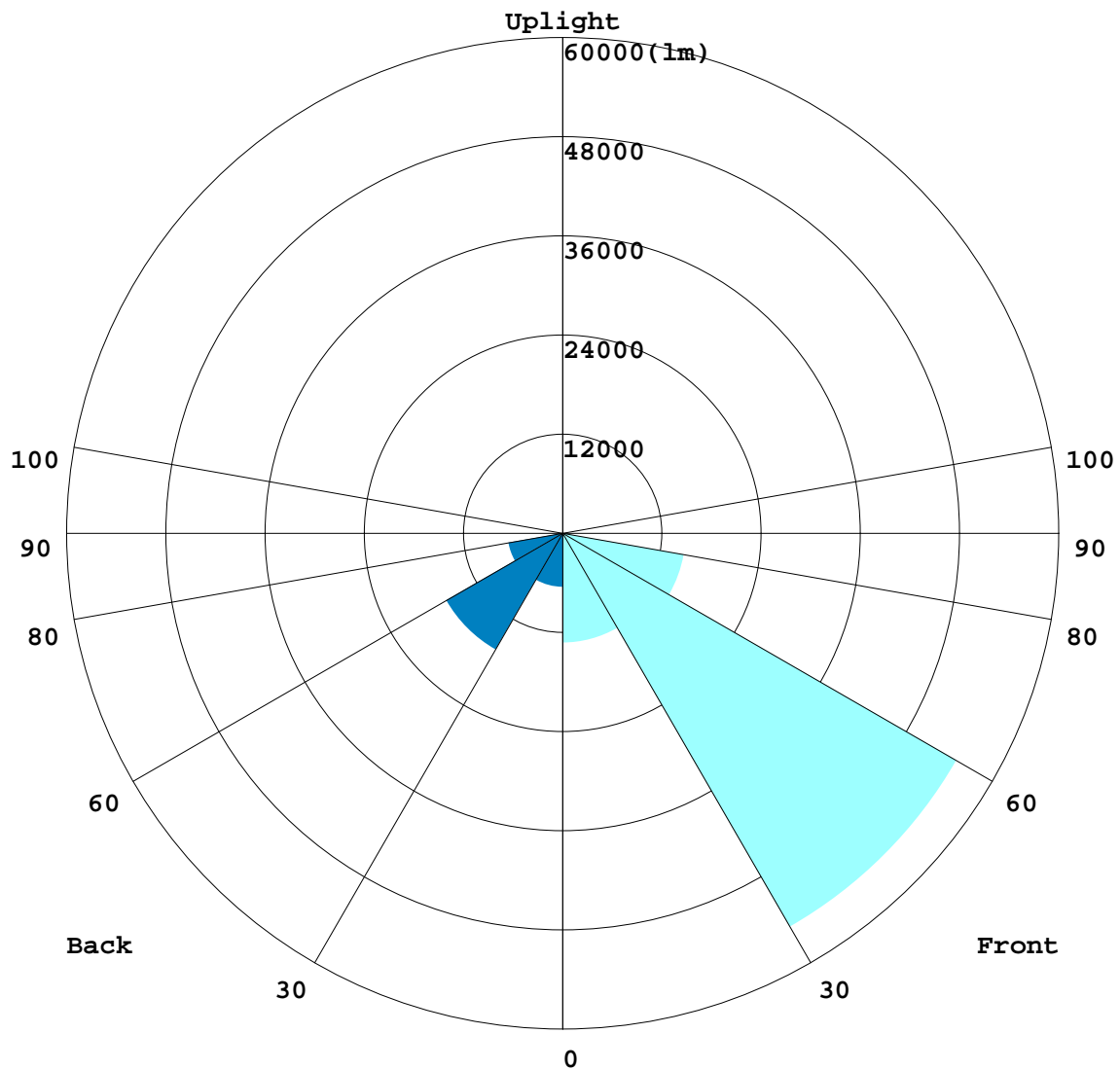
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-16

$\gamma$  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:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-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:2023-10-16

$\gamma$  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:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-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)	13243	11.6
FM - Front-Medium(30-60)	55006	48.4
FH - Front-High(60-80)	14891	13.1
FVH - Front-Very High(80-90)	666.64	0.6
Total Forward Light	83807	73.7

BL - Back-Low(0-30)	6496.8	5.7
BM - Back-Medium(30-60)	16249	14.3
BH - Back-High(60-80)	6667.8	5.9
BVH - Back-Very High(80-90)	516.86	0.5
Total Back Light	29930	26.3

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	29930	0	29930
Street Side	83807	0	83807

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-16

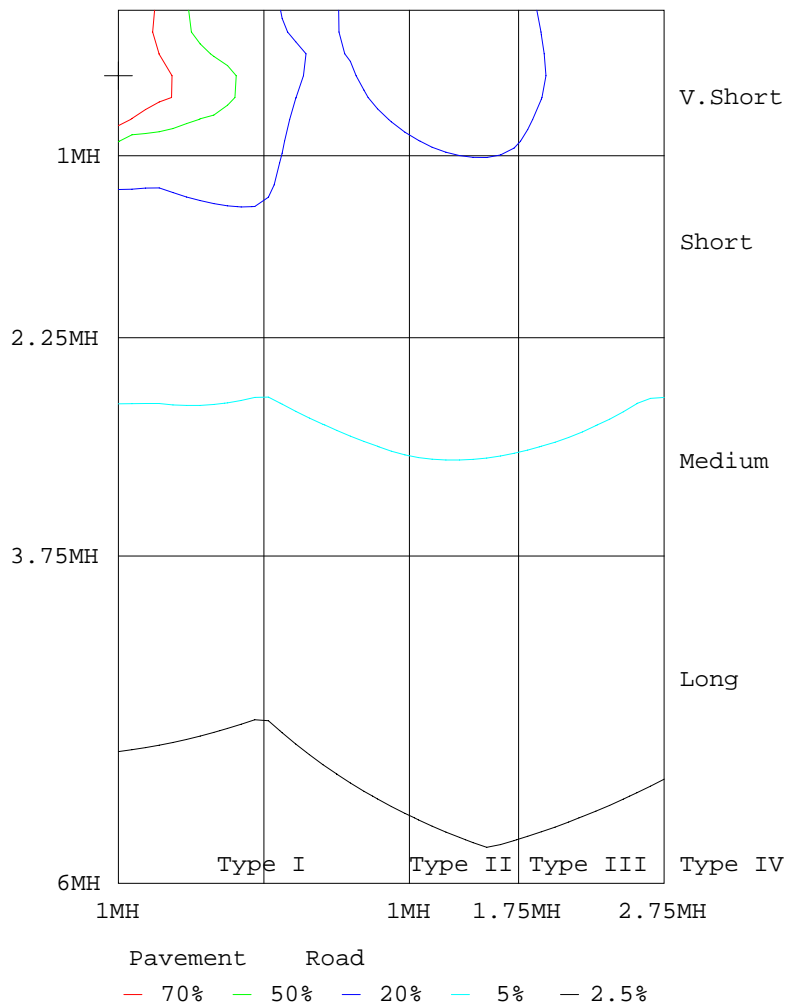
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-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:2023-10-16

$\gamma$  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:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*444mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--1

UNIT: ×100cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168
5	175	183	191	196	199	200	199	198	195	191	184	177	169	161	155	150	146	144	144
10	197	216	229	235	237	236	233	230	226	220	211	196	179	162	148	140	135	134	133
15	231	269	291	292	284	275	268	266	265	261	252	233	205	175	150	137	132	132	132
20	267	328	366	362	333	311	298	300	308	313	309	286	241	187	150	137	134	134	134
25	286	374	431	428	383	350	330	336	351	369	378	333	261	183	140	135	135	136	136
30	277	382	459	478	441	410	397	392	402	426	428	353	254	161	126	127	134	144	147
35	248	348	436	514	513	480	469	458	465	483	439	331	223	137	108	120	141	161	167
40	226	300	365	516	607	561	552	533	549	506	380	279	195	117	96.7	122	155	185	193
45	202	257	287	456	694	684	671	648	650	464	289	242	176	91.7	91.4	125	172	211	217
50	173	209	219	344	747	941	1007	900	750	357	220	205	156	73.9	86.5	126	176	218	227
55	124	111	120	230	696	1233	1535	1235	750	234	132	122	118	62.9	80.6	121	171	207	214
60	58.9	56.1	57.7	130	423	1129	1647	1300	510	135	59.3	59.5	60.3	56.5	73.0	112	155	174	163
65	45.9	49.1	52.3	62.3	173	479	1259	766	199	60.1	52.1	48.4	44.5	49.4	63.9	94.7	127	126	111
70	35.1	40.8	43.4	47.8	53.2	71.9	189	90.5	55.5	46.4	41.6	38.0	33.4	39.6	49.8	63.0	93.1	86.3	77.8
75	24.7	28.1	31.5	31.9	37.4	55.8	73.7	60.7	37.8	30.5	30.3	26.8	23.4	29.5	32.4	35.9	55.0	56.7	50.9
80	15.8	18.6	20.3	20.5	24.0	33.4	58.8	35.6	23.7	19.4	19.4	17.1	14.7	18.7	18.8	19.3	27.0	30.6	29.7
85	7.80	10.2	9.62	10.0	11.1	15.4	28.0	16.0	10.6	9.06	8.59	8.84	6.92	7.28	6.98	6.72	9.36	11.1	9.40
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:2023-10-16

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:218.9V I:3.658A P:796.3W PF:0.9944 Freq:60.01Hz Lamp Flux:113737x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-800WFSC-NV-S3-00-4070-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	168	168	168	168	168														
5	145	148	153	159	167														
10	136	138	145	157	175														
15	135	138	145	160	190														
20	136	138	143	159	202														
25	137	135	136	146	197														
30	144	133	125	125	175														
35	160	140	119	104	149														
40	184	155	122	97.5	125														
45	210	174	128	93.9	98.2														
50	219	177	128	88.2	77.9														
55	207	172	122	81.5	65.3														
60	177	155	111	73.3	58.0														
65	132	127	93.8	63.5	51.4														
70	89.9	92.2	62.2	50.5	41.3														
75	58.5	53.4	36.2	33.4	31.0														
80	31.3	26.8	20.2	20.1	20.3														
85	11.4	9.72	7.78	8.26	8.89														
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:2023-10-16

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: