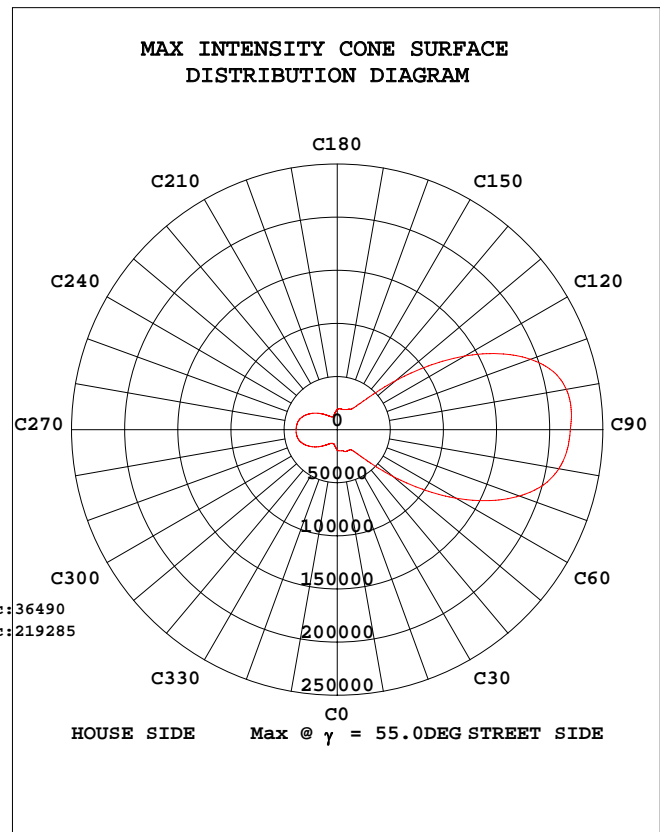
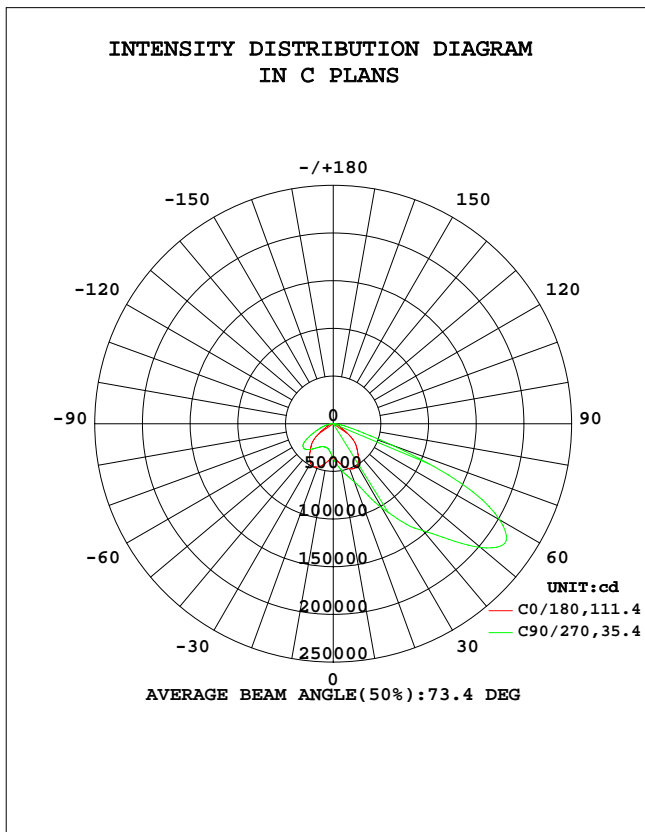


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 185.84 lm/W			
MODEL	5050	Imax(cd)	219285	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	1200	LOR(%)	100.0	$\eta$ street_down(%)	73.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	219500	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	219500	MAXIMUM @(C, $\gamma$ )	90,55.0	$\eta$ house_down(%)	26.4
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	22.544

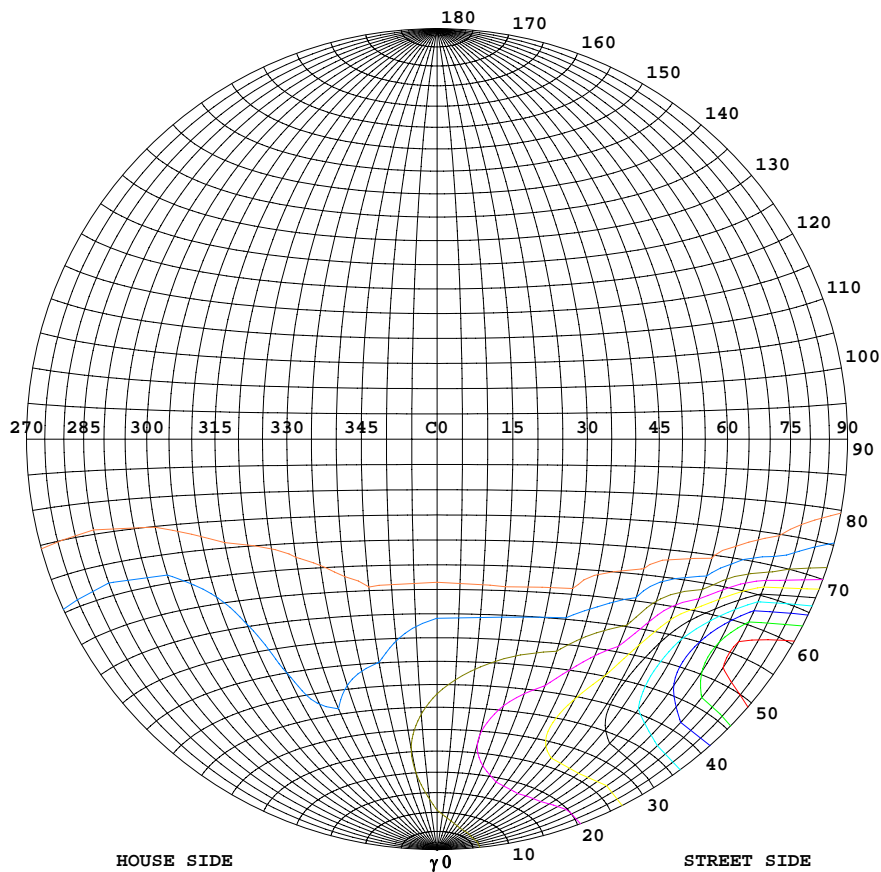


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-11

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



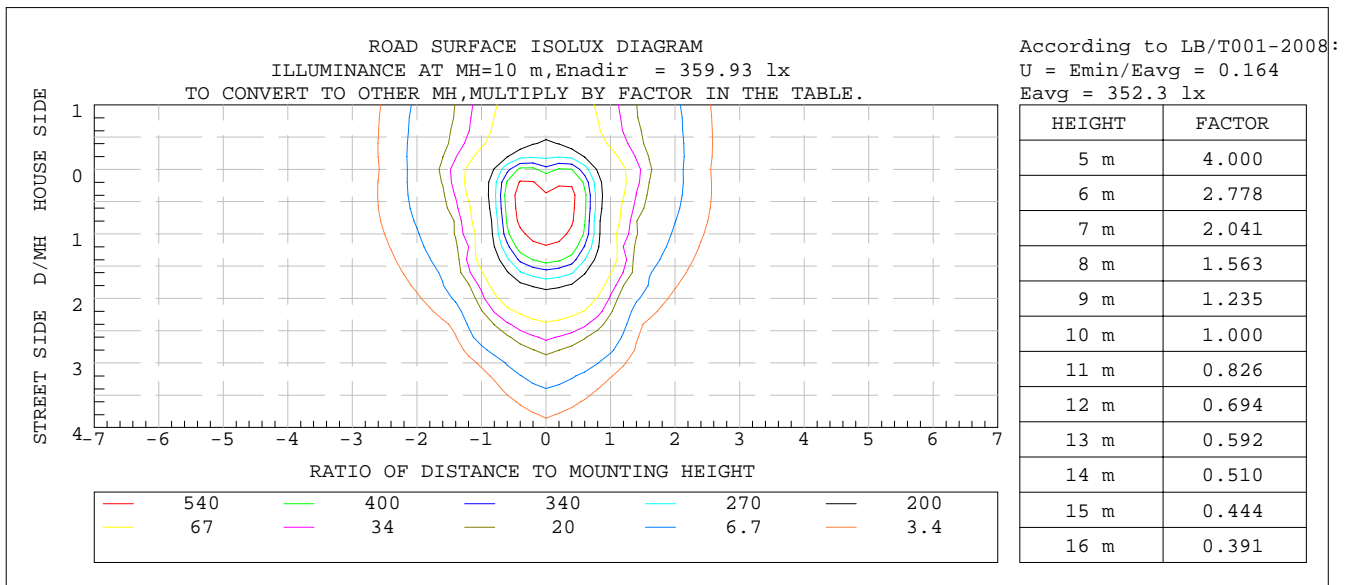
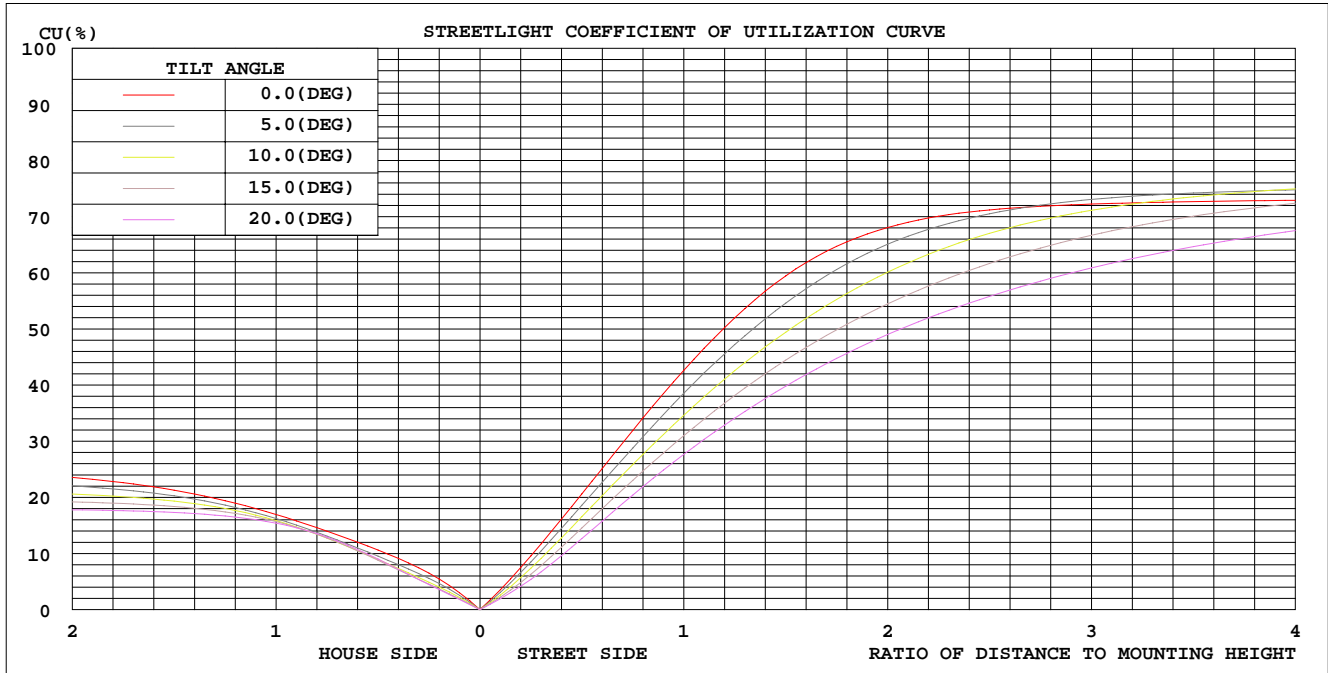
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:47.15cd/klm  
Max.At90:0cd/klm  
Max.80-90:47.15cd/klm  
NRB 5101:Limited[2.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	219285
90%	197356
80%	175428
70%	153499
60%	131571
50%	109642
40%	87714
30%	65785
20%	43857
10%	21928
5%	10964

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

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:

## ZONAL FLUX DIAGRAM

Test:U:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

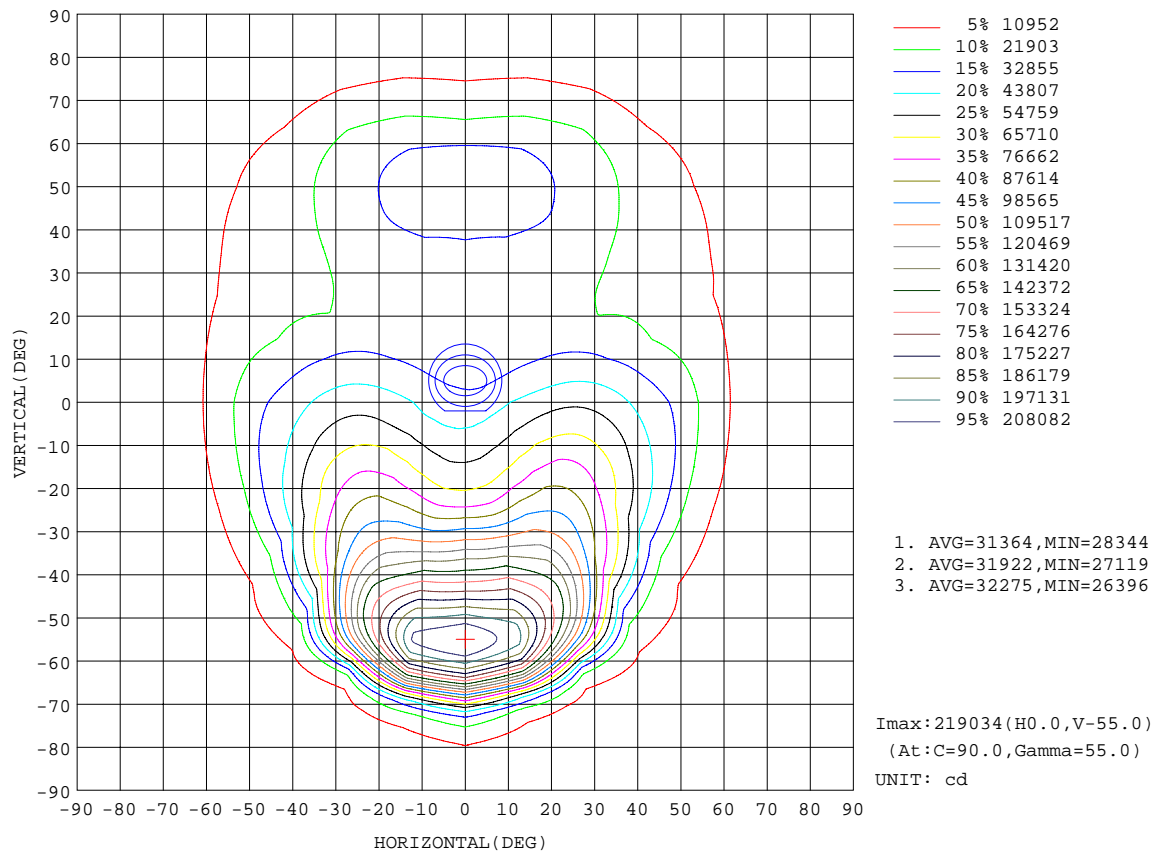
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	424.2	496.6	493.6	486.8	411.3	310.5	275.6	312.9	0- 10	3656	3656	1.67,1.67
20	501.6	701.9	648.3	686.2	483.2	278.6	259.8	280.9	10- 20	12570	16226	7.39,7.39
30	503.6	925.6	1017	900.3	476.0	244.7	281.6	247.4	20- 30	24490	40716	18.5,18.5
40	403.2	952.2	1465	947.6	377.9	234.0	346.7	241.9	30- 40	37787	78503	35.8,35.8
50	284.4	701.2	2018	712.3	272.6	225.0	401.3	236.0	40- 50	48929	127432	58.1,58.1
60	119.7	238.2	2015	242.0	116.2	195.4	320.1	203.5	50- 60	50743	178175	81.2,81.2
70	65.52	87.05	656.8	84.42	61.93	117.5	158.9	122.7	60- 70	30059	208234	94.9,94.9
80	29.22	35.16	103.5	33.76	27.04	37.63	58.98	40.29	70- 80	9086	217321	99,99
90	0	0	0	0	0	0	0	0	80- 90	2179	219500	100,100
100	0	0	0	0	0	0	0	0	90-100	0	219500	100,100
110	0	0	0	0	0	0	0	0	100-110	0	219500	100,100
120	0	0	0	0	0	0	0	0	110-120	0	219500	100,100
130	0	0	0	0	0	0	0	0	120-130	0	219500	100,100
140	0	0	0	0	0	0	0	0	130-140	0	219500	100,100
150	0	0	0	0	0	0	0	0	140-150	0	219500	100,100
160	0	0	0	0	0	0	0	0	150-160	0	219500	100,100
170	0	0	0	0	0	0	0	0	160-170	0	219500	100,100
180	0	0	0	0	0	0	0	0	170-180	0	219500	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

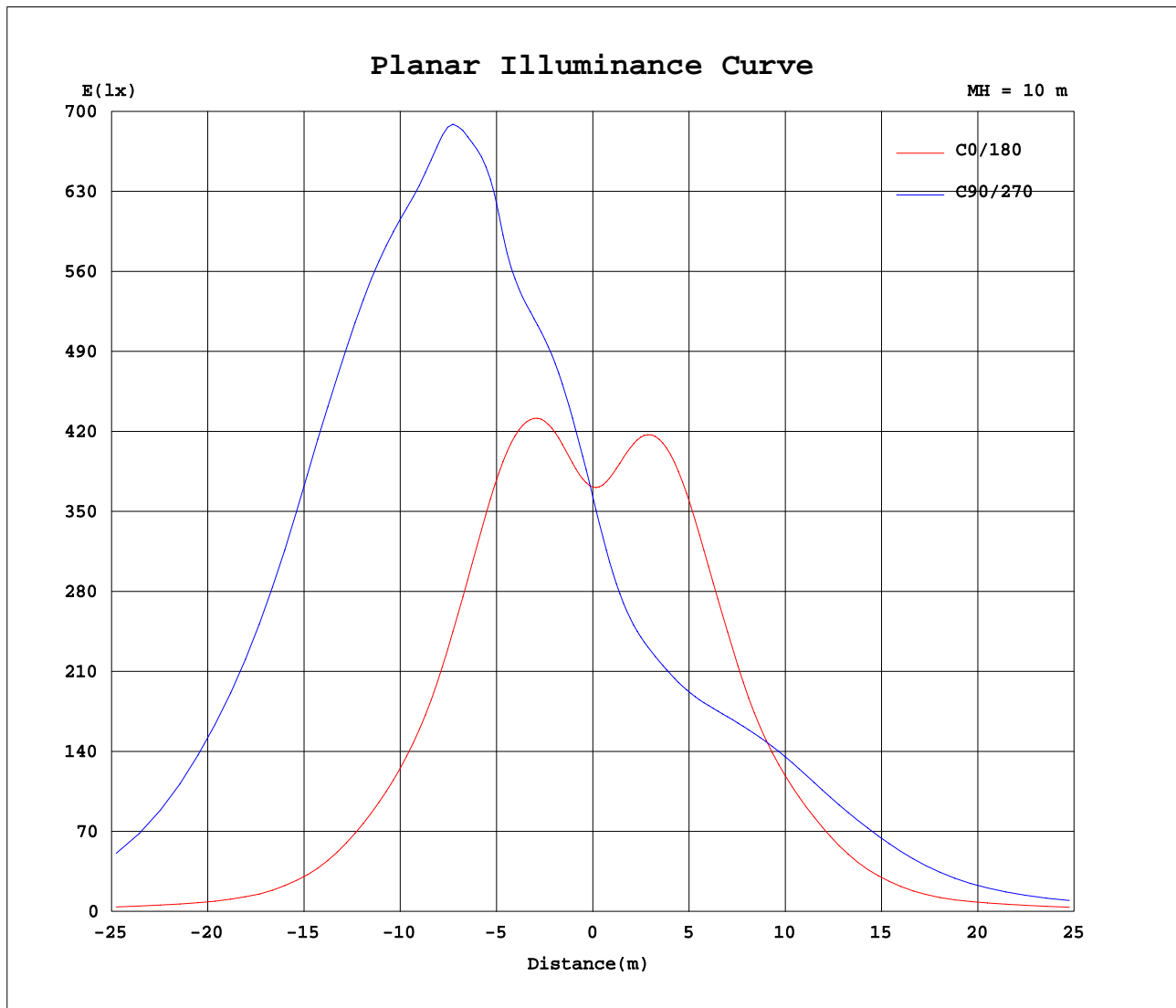
Test:U:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-A5-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



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

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



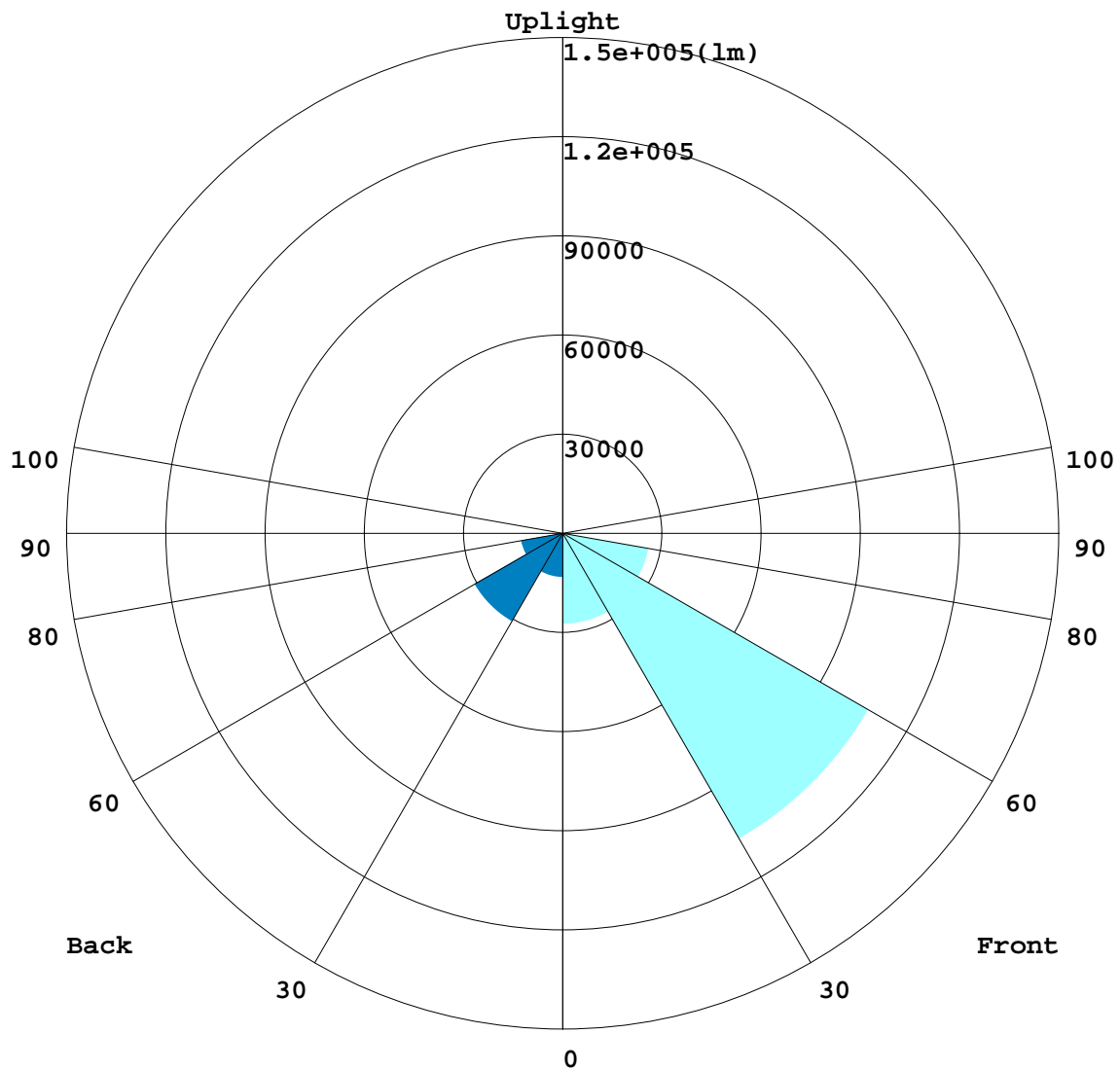
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-11

$\gamma$  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:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-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

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:

## BUG REPORT

Test:U:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-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)	27421	12.5
FM - Front-Medium(30-60)	1.0671e+005	48.6
FH - Front-High(60-80)	26372	12.0
FVH - Front-Very High(80-90)	1122.3	0.5
Total Forward Light	1.6162e+005	73.6

BL - Back-Low(0-30)	13295	6.1
BM - Back-Medium(30-60)	30753	14.0
BH - Back-High(60-80)	12774	5.8
BVH - Back-Very High(80-90)	1056.9	0.5
Total Back Light	57879	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	57879	0	57879
Street Side	1.6162e+005	0	1.6162e+005

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

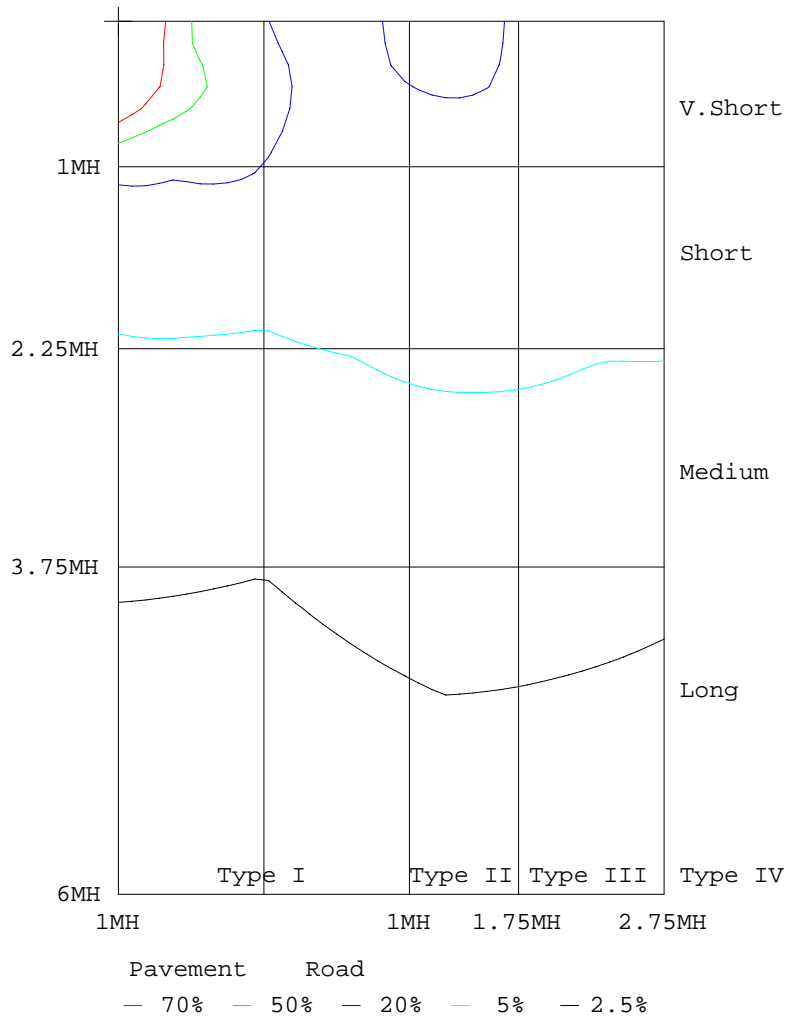
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-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:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-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	363	363	363	363	363	363	363	363	363	363	363	363	363	363	363	363	363	363	363
5	383	398	411	419	424	426	426	424	420	414	405	392	375	360	343	329	318	312	309
10	424	457	483	497	500	497	494	493	492	487	473	446	411	376	339	311	290	280	276
15	468	526	573	592	587	572	563	565	575	579	559	512	452	392	335	295	273	265	262
20	502	591	667	702	693	662	648	652	676	686	652	574	483	397	323	279	262	261	260
25	517	638	752	827	838	802	796	786	808	803	732	616	494	388	301	261	257	263	265
30	504	643	789	926	998	1005	1017	971	956	900	769	618	476	358	265	245	258	276	282
35	463	605	763	968	1138	1230	1251	1184	1100	956	749	582	435	315	228	235	268	300	310
40	403	527	676	952	1287	1470	1465	1438	1253	948	665	509	378	265	198	234	289	335	347
45	347	436	541	869	1394	1679	1715	1677	1401	872	540	424	328	219	177	230	306	369	383
50	284	333	382	701	1417	1899	2018	1947	1471	712	383	325	273	175	161	225	309	383	401
55	197	204	224	447	1291	2010	2193	2107	1389	454	224	197	190	135	148	214	301	370	388
60	120	111	115	238	912	1796	2015	1906	1032	242	120	115	116	110	134	195	275	323	320
65	86.0	91.5	96.0	118	309	1132	1482	1285	350	118	96.0	90.6	83.0	92.7	117	167	231	250	228
70	65.5	75.0	79.6	87.1	100	334	657	383	103	84.4	77.1	70.2	61.9	73.8	92.7	118	174	178	159
75	45.8	51.1	57.3	56.7	66.1	106	232	128	67.5	54.5	55.1	49.0	43.2	54.9	61.8	69.4	106	117	104
80	29.2	33.3	36.5	35.2	41.2	57.8	103	62.6	41.2	33.8	34.5	31.1	27.0	35.0	36.3	37.6	53.4	64.0	59.0
85	14.6	19.8	16.7	16.2	17.6	25.1	41.0	26.3	17.1	14.6	14.5	18.4	12.8	14.0	14.2	14.3	19.3	23.5	20.8
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:218.9V I:5.419A P:1181W PF:0.9956 Freq:60.01Hz Lamp Flux:219500x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-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	363	363	363	363	363														
5	312	320	332	347	365														
10	280	292	313	344	383														
15	266	275	298	340	401														
20	262	264	281	329	409														
25	264	259	263	306	403														
30	277	261	247	268	375														
35	302	272	239	230	329														
40	337	295	242	204	277														
45	373	317	242	185	225														
50	388	319	236	169	178														
55	375	310	224	155	140														
60	327	283	203	139	114														
65	253	236	173	121	97.7														
70	179	178	123	96.4	78.6														
75	118	109	72.5	64.8	58.7														
80	65.1	55.7	40.3	39.0	38.6														
85	24.3	21.1	16.5	16.8	17.1														
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: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: