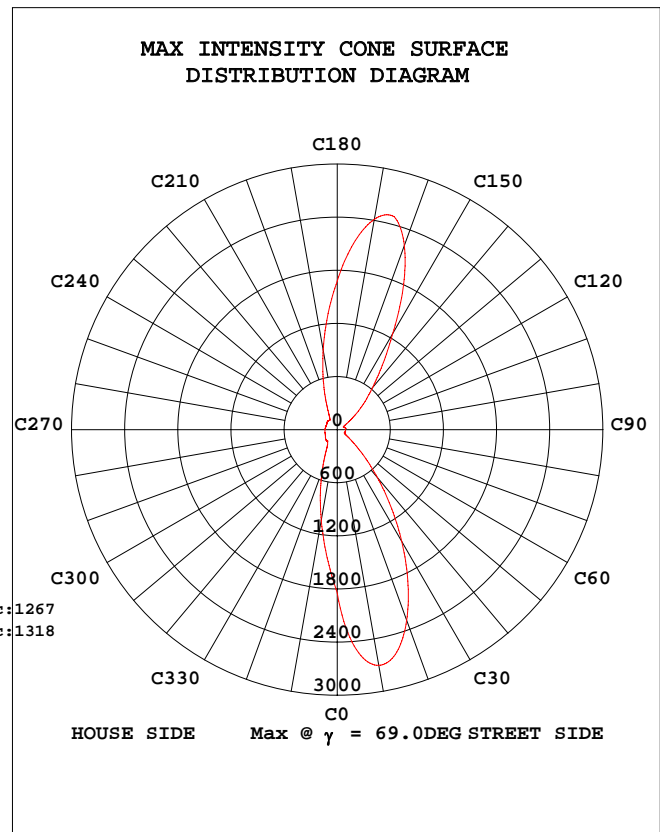
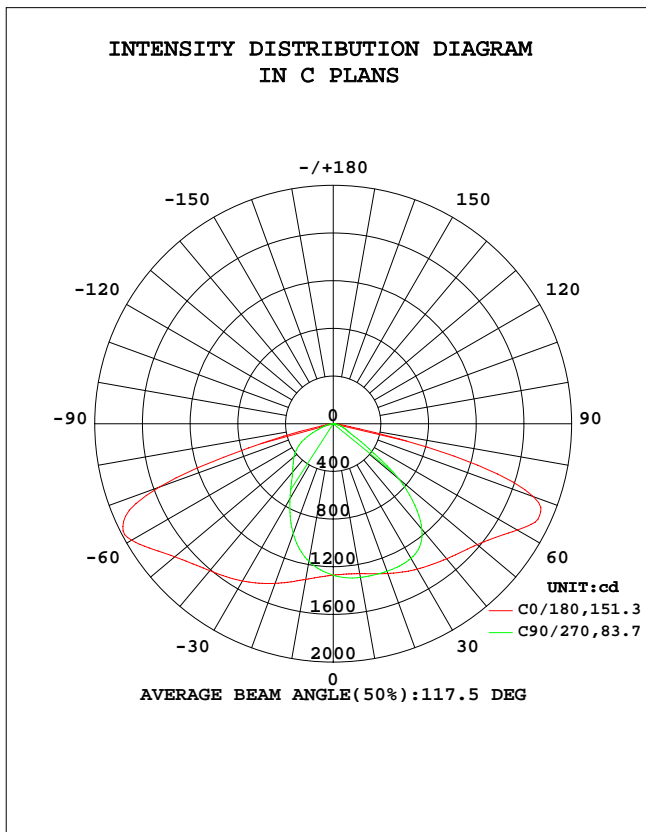


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.95 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	2601	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	61.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4779	η house_up(%)	0.0
NOMINAL FLUX(lm)	4779.47	MAXIMUM @(C,γ )	15,69.0	η house_down(%)	38.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.653

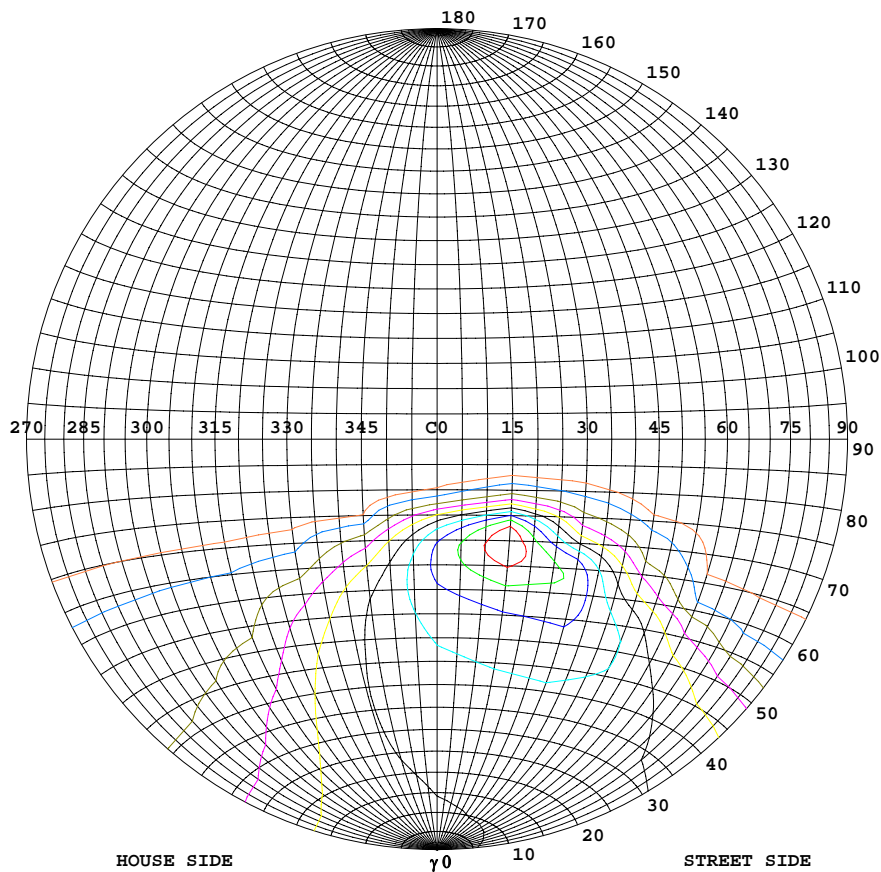


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-20

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:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



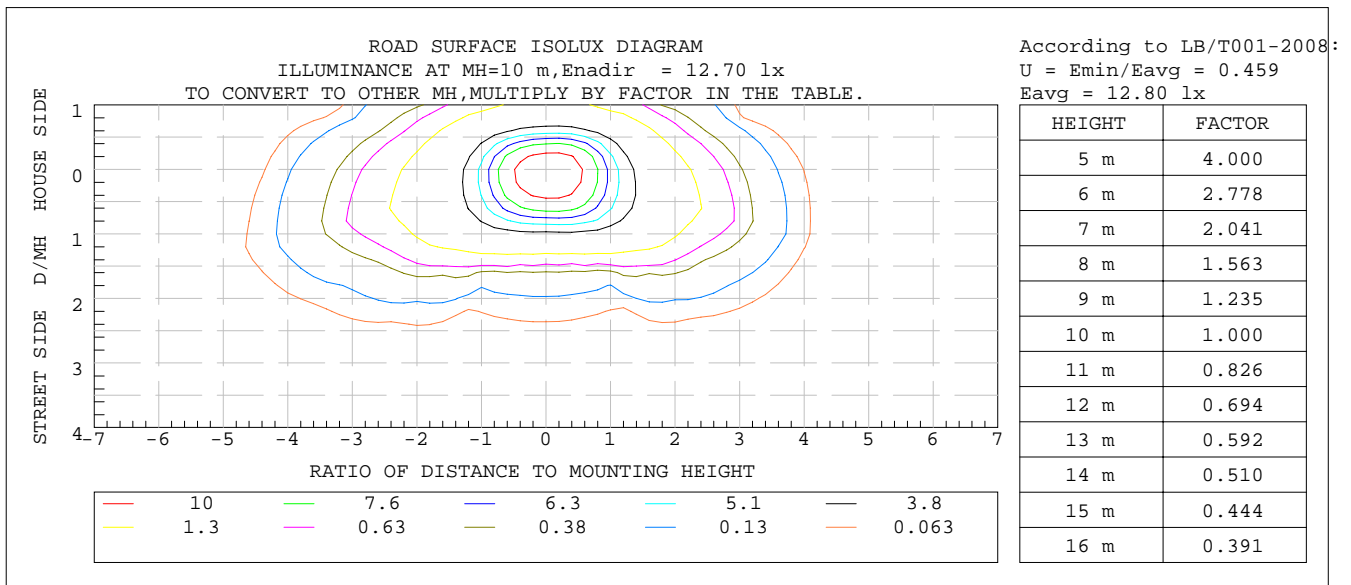
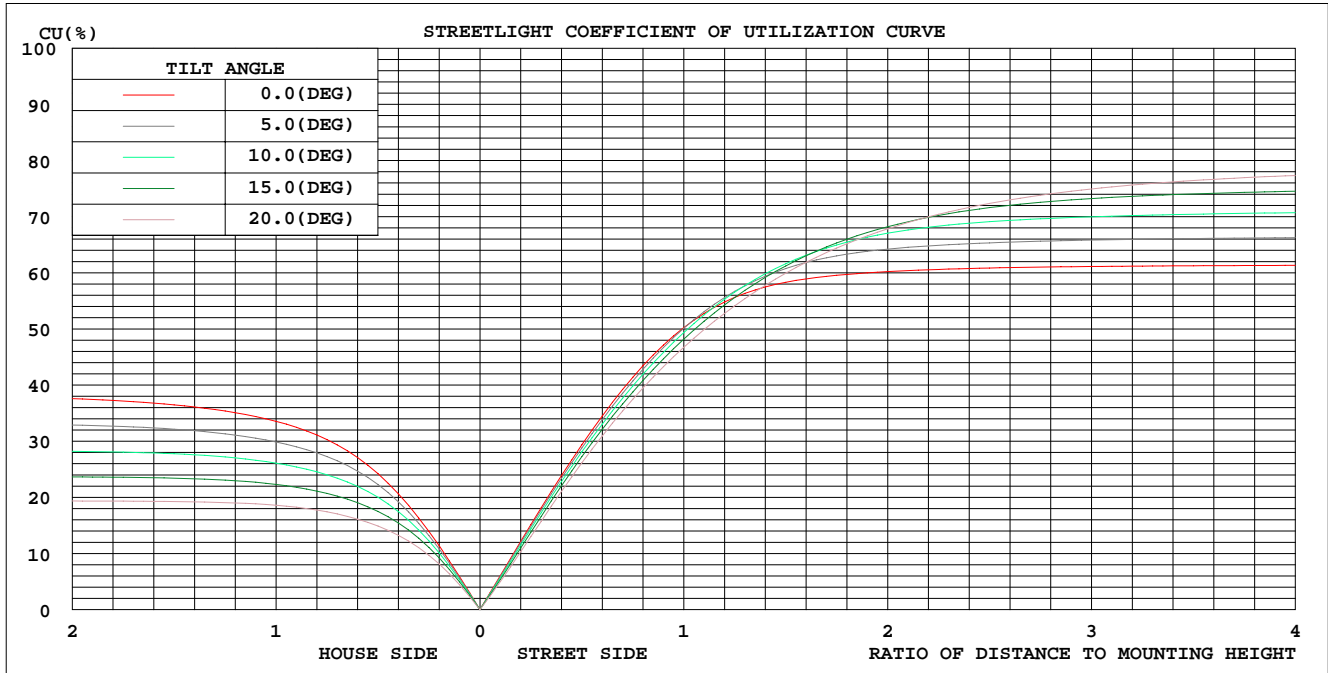
## Classification:

IES:Type II - Medium  
CIE:Narrow - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:83.82cd/klm  
Max.At90:0cd/klm  
Max.80-90:83.82cd/klm  
NRB 5101:Limited[6.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2601
90%	2341
80%	2080
70%	1820
60%	1560
50%	1300
40%	1040
30%	780
20%	520
10%	260
5%	130

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-20

$\gamma$  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: 2023-10-20

$\gamma$  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:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

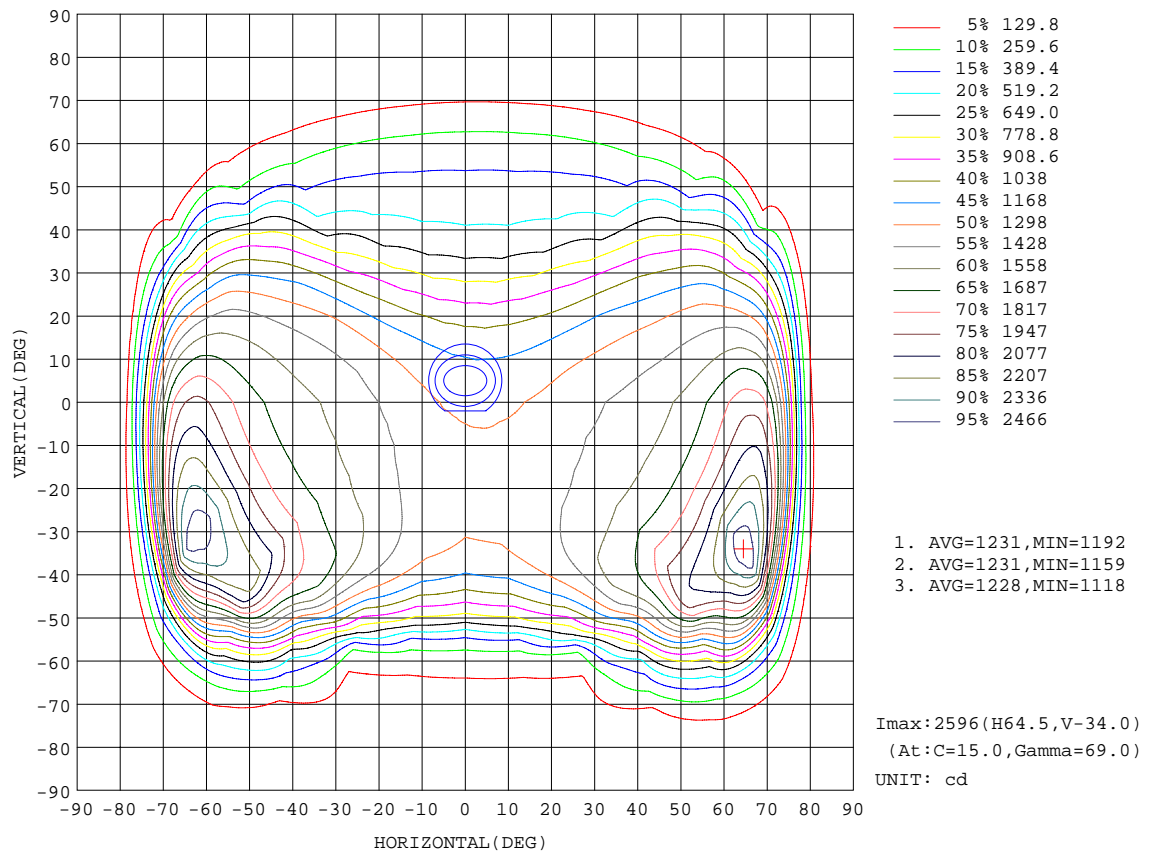
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1277	1303	1310	1338	1326	1244	1173	1205	0- 10	121.4	121.4	2.54,2.54
20	1337	1342	1317	1409	1425	1198	982.3	1129	10- 20	360.2	481.6	10.1,10.1
30	1408	1406	1304	1504	1523	1093	725.7	1010	20- 30	582.3	1064	22.3,22.3
40	1479	1499	1156	1630	1609	898.4	531.2	832.3	30- 40	771.1	1835	38.4,38.4
50	1578	1571	718.2	1718	1737	594.7	430.1	583.3	40- 50	902.6	2738	57.3,57.3
60	1784	1158	180.0	1179	1954	356.1	307.2	379.0	50- 60	924.0	3662	76.6,76.6
70	1785	399.8	83.98	389.5	1551	125.5	124.1	152.9	60- 70	779.7	4441	92.9,92.9
80	146.9	43.57	22.04	29.53	65.52	21.77	28.54	28.26	70- 80	318.4	4760	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	19.81	4779	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4779	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4779	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4779	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4779	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4779	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4779	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4779	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4779	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4779	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-20

$\gamma$  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

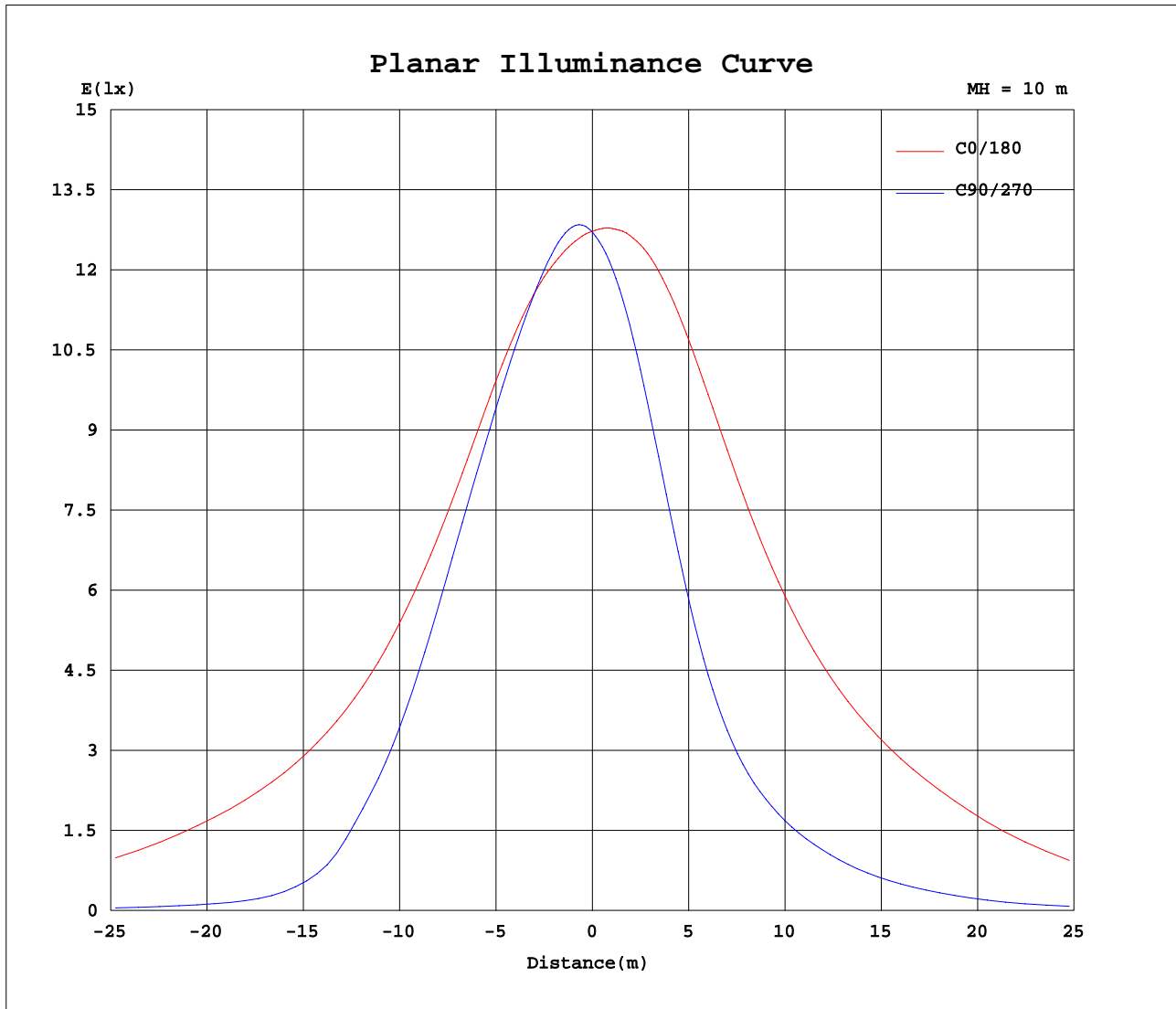
Test:U:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-20

$\gamma$  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



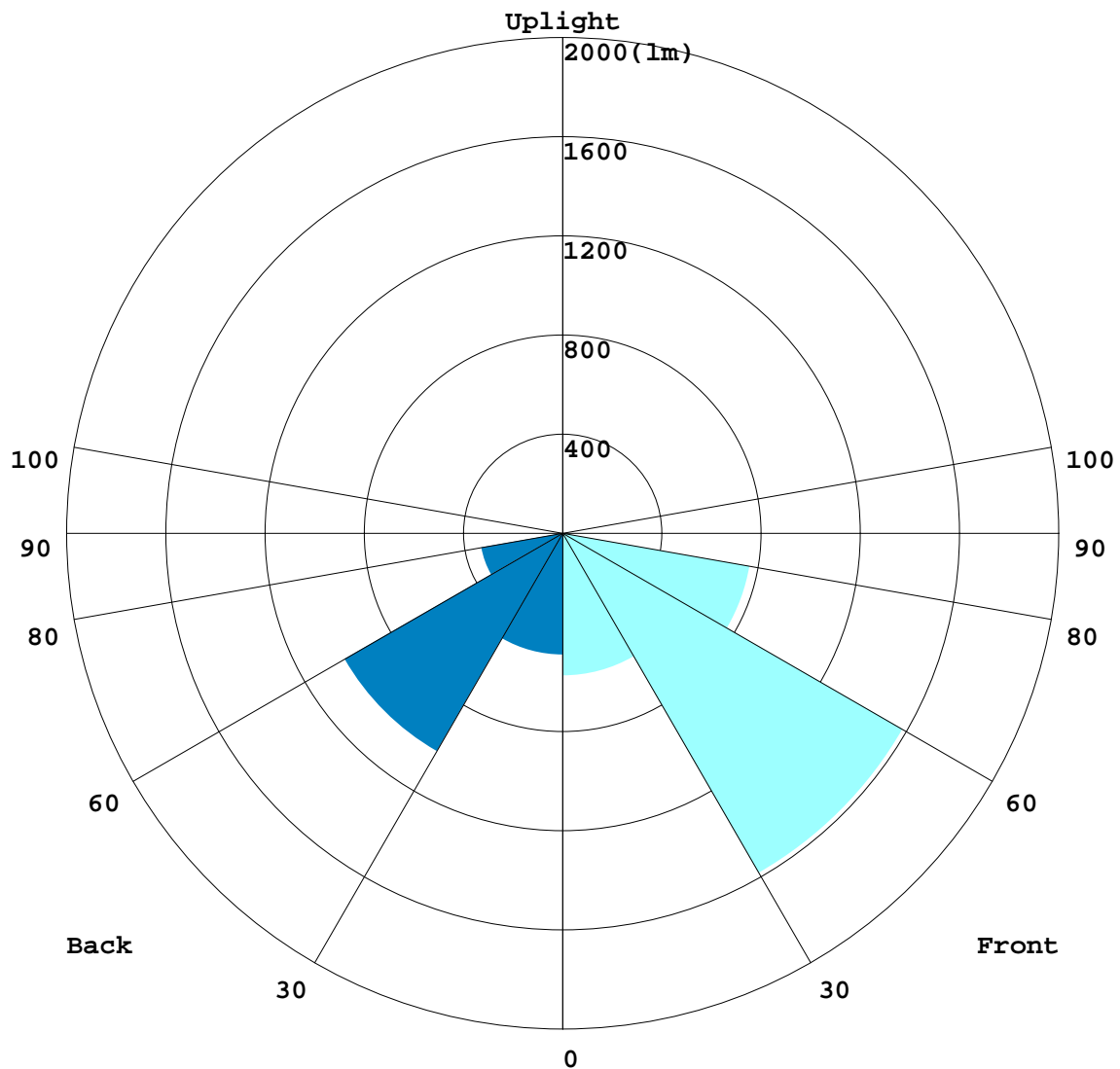
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-20

$\gamma$  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:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-20

$\gamma$  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:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	574.08	12.0
FM - Front-Medium(30-60)	1582.6	33.1
FH - Front-High(60-80)	765.5	16.0
FVH - Front-Very High(80-90)	14.2	0.3
Total Forward Light	2936.3	61.4

BL - Back-Low(0-30)	489.82	10.2
BM - Back-Medium(30-60)	1015.1	21.2
BH - Back-High(60-80)	332.61	7.0
BVH - Back-Very High(80-90)	5.6099	0.1
Total Back Light	1843.1	38.6

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1843.1	0	1843.1
Street Side	2936.3	0	2936.3

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-10-20

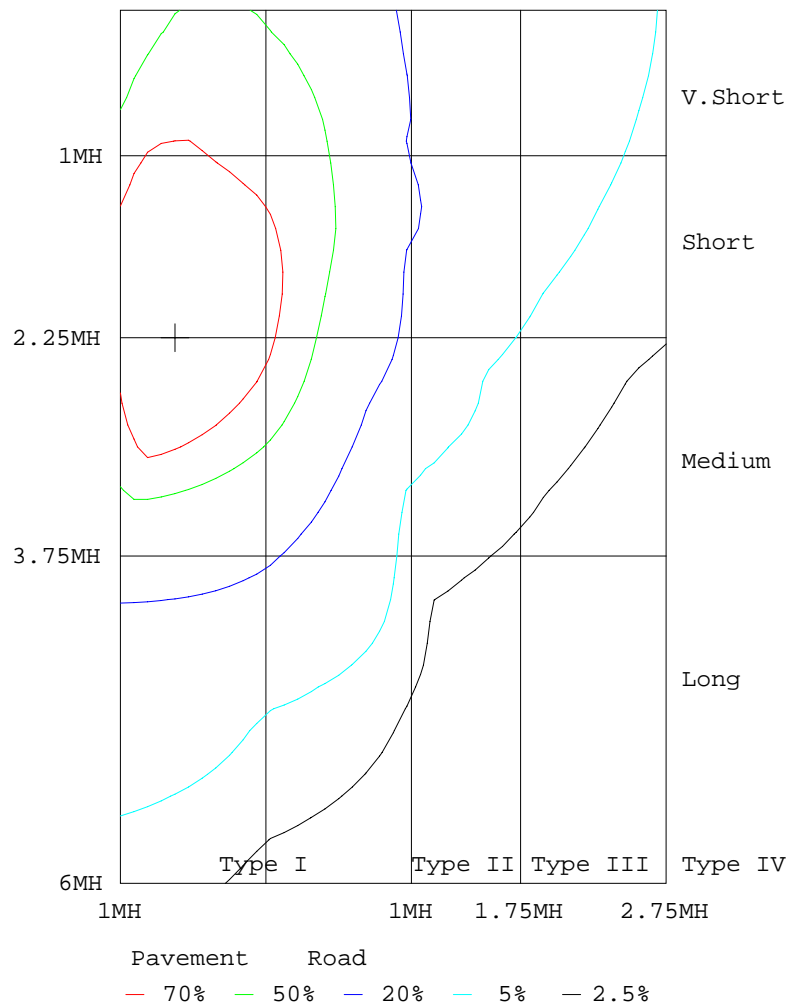
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-20

$\gamma$  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:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270	1270
5	1266	1274	1282	1287	1291	1295	1298	1301	1304	1305	1303	1299	1291	1281	1269	1257	1245	1236	1230
10	1277	1291	1300	1303	1304	1307	1310	1319	1328	1338	1343	1340	1326	1307	1277	1244	1212	1186	1173
15	1303	1321	1326	1320	1313	1311	1314	1329	1348	1372	1389	1391	1373	1341	1289	1227	1165	1113	1090
20	1337	1357	1357	1342	1325	1315	1317	1338	1372	1409	1438	1445	1425	1380	1301	1198	1098	1017	982
25	1373	1396	1391	1370	1341	1318	1317	1346	1398	1453	1487	1498	1476	1419	1309	1154	1006	897	856
30	1408	1433	1430	1406	1357	1313	1304	1345	1426	1504	1541	1550	1523	1453	1309	1093	895	768	726
35	1442	1472	1476	1448	1370	1289	1263	1323	1449	1563	1603	1602	1567	1480	1295	1010	776	651	614
40	1479	1518	1533	1499	1362	1213	1156	1243	1445	1630	1679	1659	1609	1497	1260	898	653	557	531
45	1521	1577	1611	1548	1296	1057	970	1073	1369	1692	1779	1735	1663	1507	1194	761	557	495	476
50	1578	1660	1721	1571	1122	820	718	817	1155	1718	1919	1855	1737	1502	1088	595	483	443	430
55	1663	1796	1866	1493	830	465	366	437	820	1601	2097	2044	1840	1459	927	468	409	380	374
60	1784	2022	2018	1158	378	203	180	192	328	1179	2243	2311	1954	1318	693	356	326	307	307
65	1896	2364	1985	740	149	126	121	122	138	704	2028	2575	1941	992	339	235	219	206	209
70	1785	2574	1273	400	98.2	88.5	84.0	84.7	91.2	390	1082	2375	1551	516	155	126	120	121	124
75	1049	1832	615	180	59.2	53.8	50.5	50.6	52.9	127	465	950	566	102	68.9	55.0	61.6	63.9	66.1
80	147	401	200	43.6	27.1	24.9	22.0	22.4	22.3	29.5	124	153	65.5	32.1	25.9	21.8	25.1	27.9	28.5
85	20.1	47.0	35.0	9.26	5.89	4.92	3.81	3.86	3.91	4.90	13.8	12.9	7.82	5.39	5.34	4.49	5.24	5.40	5.75
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:2023-10-20

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:219.5V I:0.1409A P:30.07W PF:0.9722 Freq:60.01Hz Lamp Flux:4779.47x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-30WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1270	1270	1270	1270	1270														
5	1229	1232	1238	1246	1256														
10	1170	1185	1205	1231	1256														
15	1092	1125	1171	1222	1269														
20	990	1048	1129	1217	1289														
25	870	954	1076	1211	1313														
30	745	846	1010	1198	1333														
35	633	734	930	1175	1350														
40	545	623	832	1141	1364														
45	487	541	714	1084	1367														
50	439	478	583	1003	1366														
55	383	413	476	878	1344														
60	314	339	379	695	1265														
65	218	243	269	407	1045														
70	128	136	153	197	646														
75	67.8	71.0	70.5	87.5	134														
80	30.7	31.1	28.3	35.1	45.0														
85	6.68	7.62	7.53	10.1	11.6														
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:2023-10-20

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: