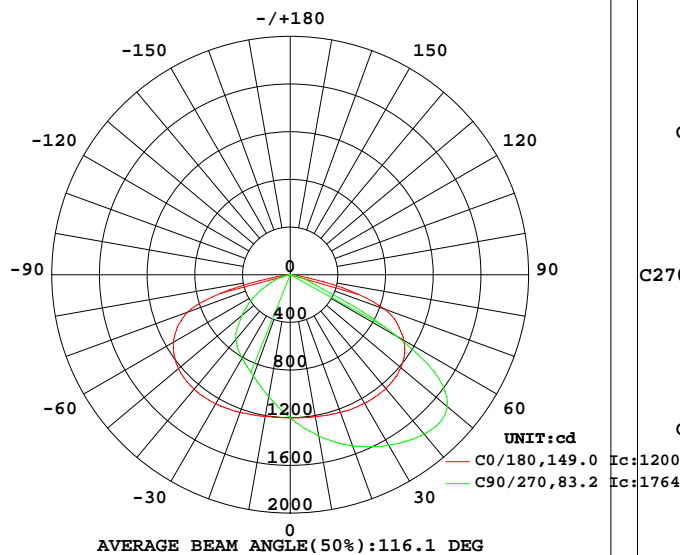
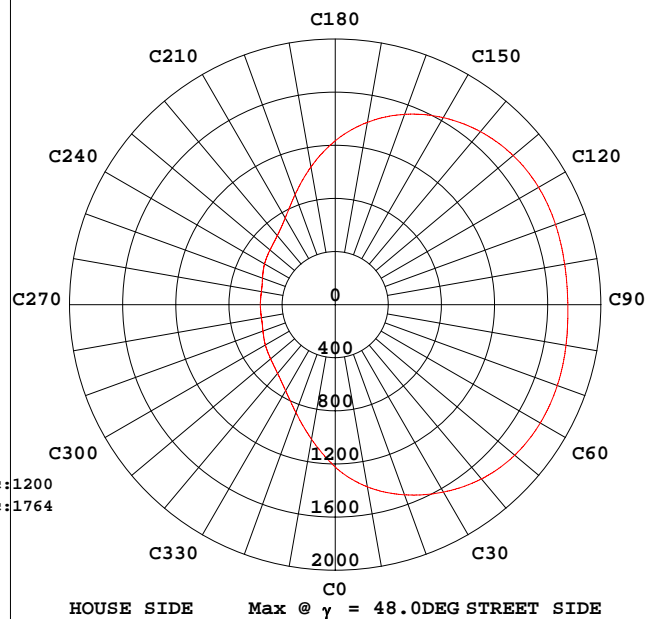


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WILE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.60 lm/W			
MODEL	3030	Imax(cd)	1782	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	$\eta$ street_down(%)	68.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4891	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	4891.41	MAXIMUM @(C, $\gamma$ )	60,48.0	$\eta$ house_down(%)	32.0
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	18.612

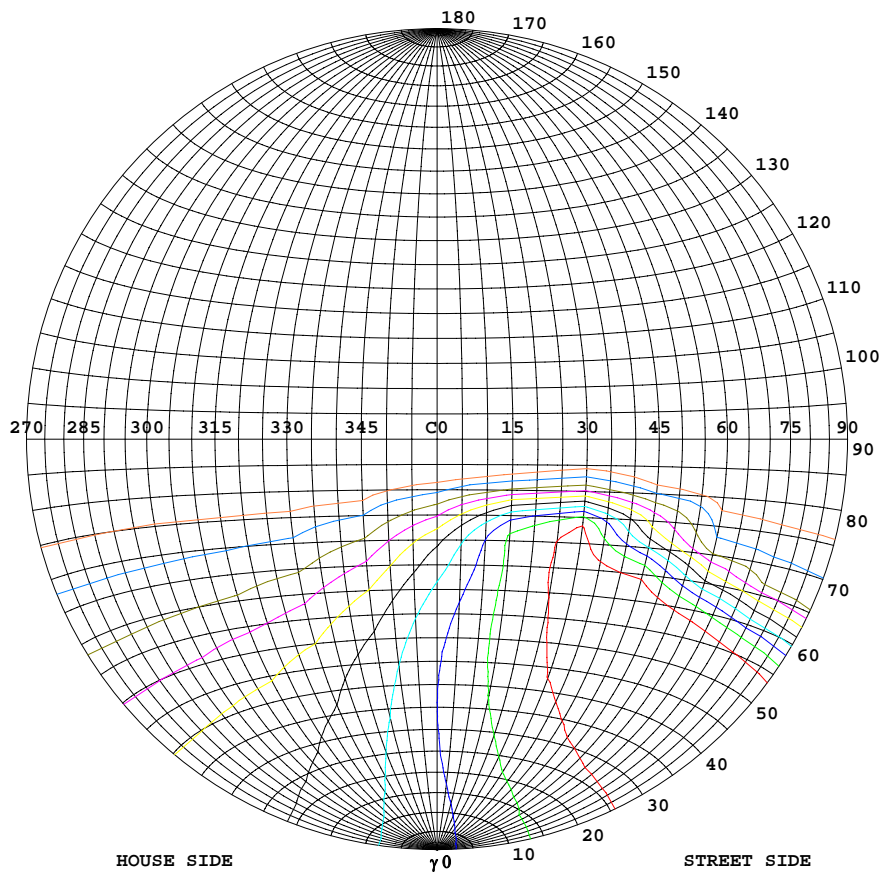
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

$\gamma$  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:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



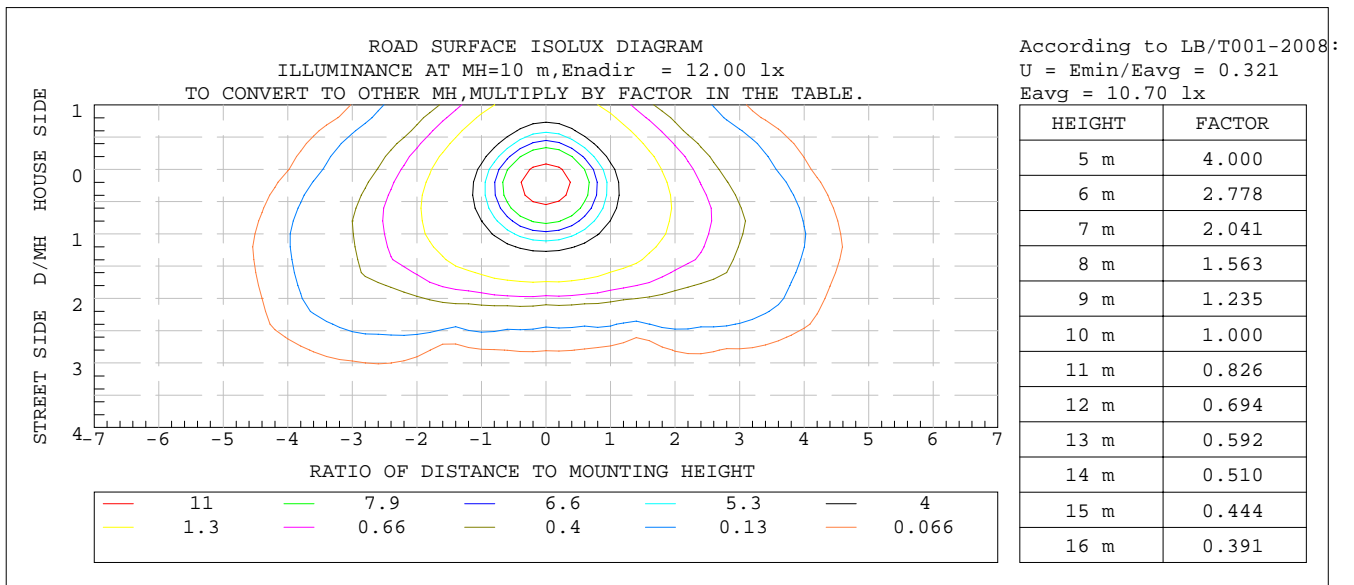
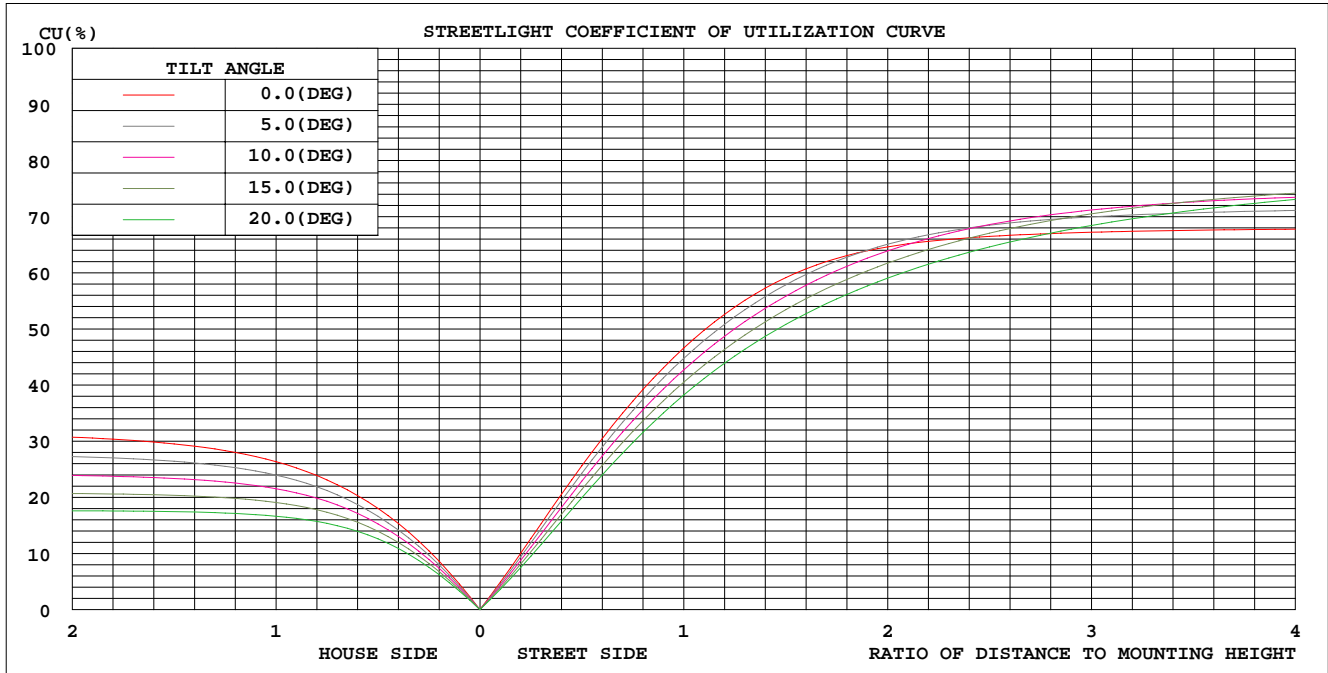
## Classification:

IES:Type III - Very Short  
CIE:Broad - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:114.2cd/klm  
Max.At90:0cd/klm  
Max.80-90:114.2cd/klm  
NRB 5101:Semi limited[22.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1782
90%	1604
80%	1426
70%	1248
60%	1069
50%	891
40%	713
30%	535
20%	356
10%	178
5%	89

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

$\gamma$  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: yanyonggeng  
Test Date: 2025-1-3

$\gamma$  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:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

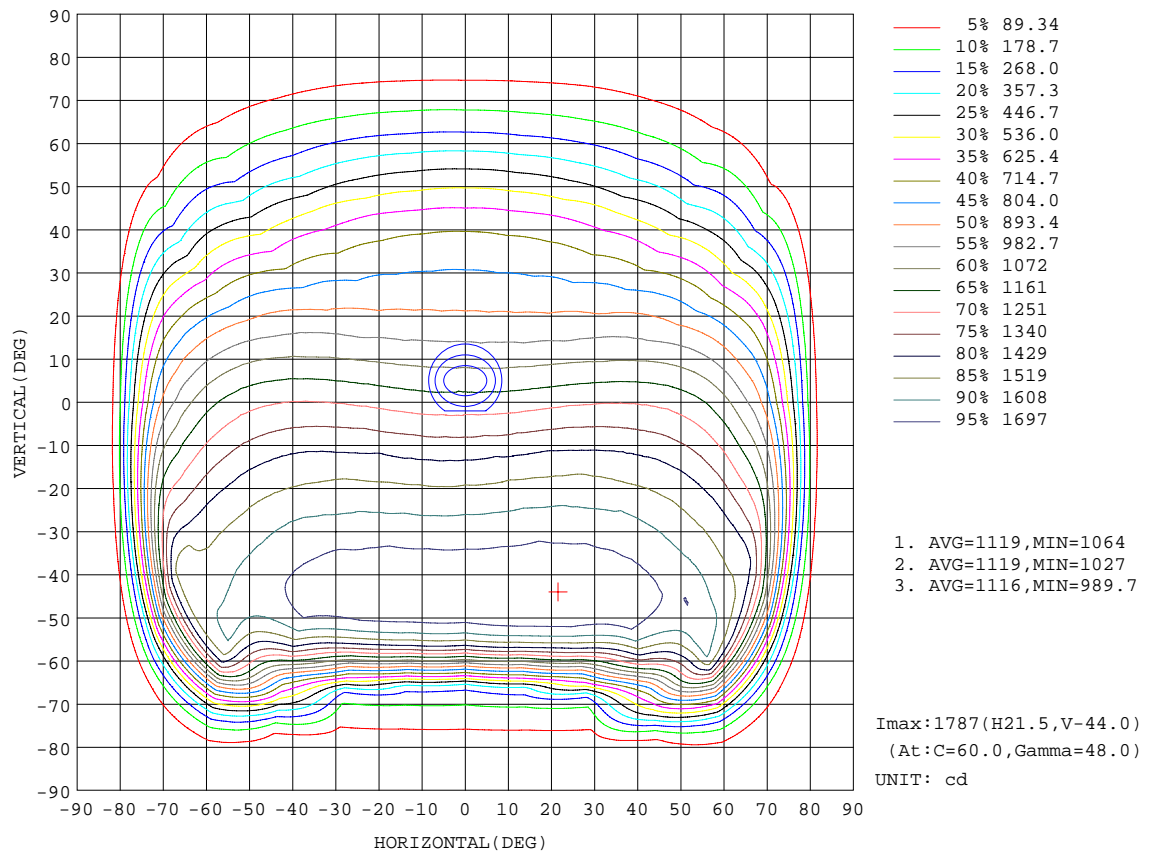
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1209	1330	1375	1325	1207	1085	1040	1084	0- 10	114.8	114.8	2.35,2.35
20	1230	1471	1527	1456	1229	980.7	904.5	973.5	10- 20	344.1	459.0	9.38,9.38
30	1246	1590	1651	1572	1249	881.6	808.7	875.8	20- 30	568.5	1027	21,21
40	1246	1679	1745	1667	1256	769.0	708.3	765.1	30- 40	774.8	1802	36.8,36.8
50	1212	1755	1719	1740	1225	623.7	529.1	618.9	40- 50	934.8	2737	56,56
60	1099	1740	1028	1683	1132	390.7	320.4	381.2	50- 60	974.7	3712	75.9,75.9
70	843.6	1080	181.6	905.6	916.5	182.4	148.4	169.7	60- 70	752.5	4464	91.3,91.3
80	147.0	185.8	40.88	108.4	174.3	43.86	36.24	42.24	70- 80	390.6	4855	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	36.58	4891	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4891	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4891	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4891	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4891	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4891	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4891	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4891	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4891	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4891	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2025-1-3

$\gamma$  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

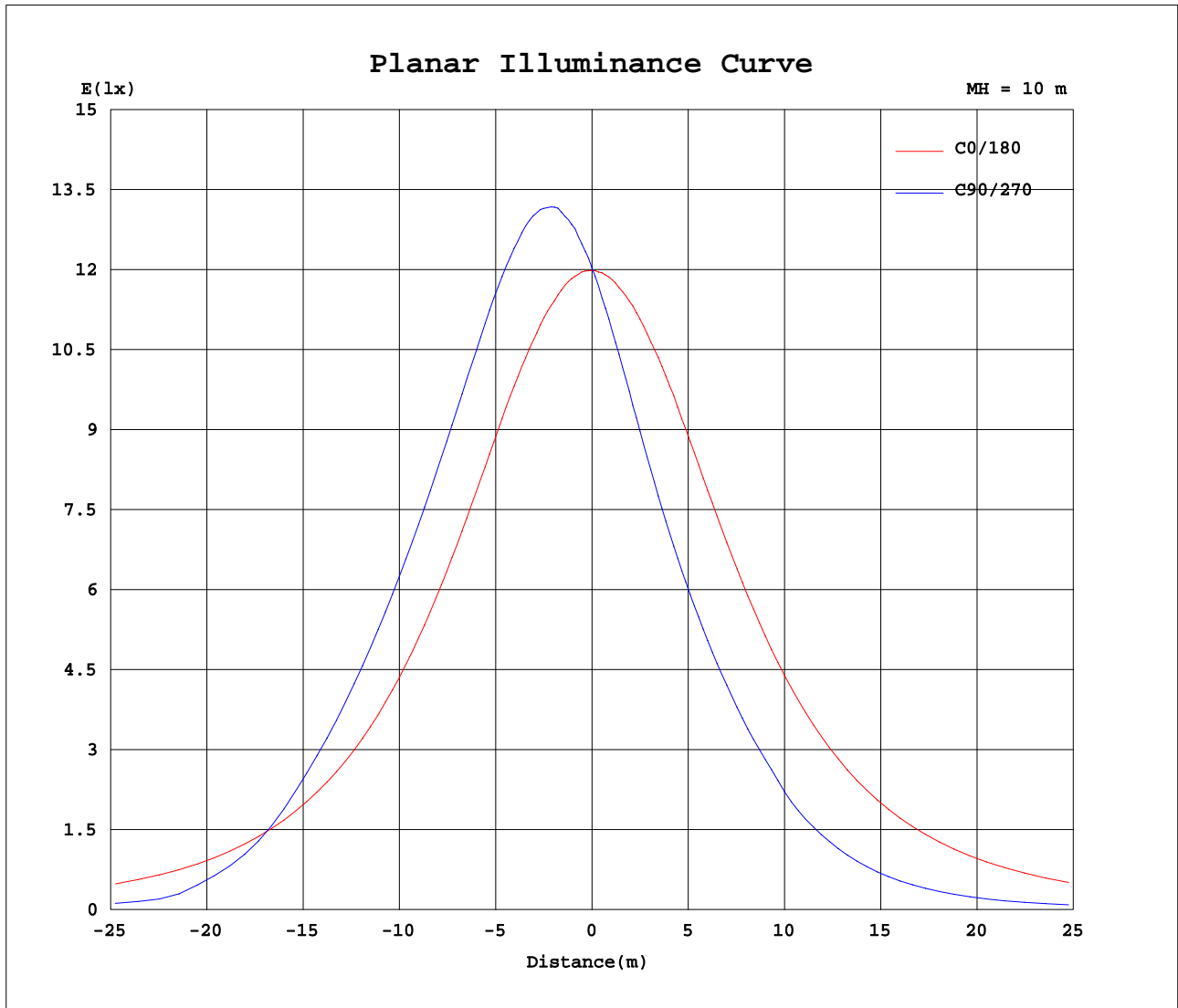
Test:U:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

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



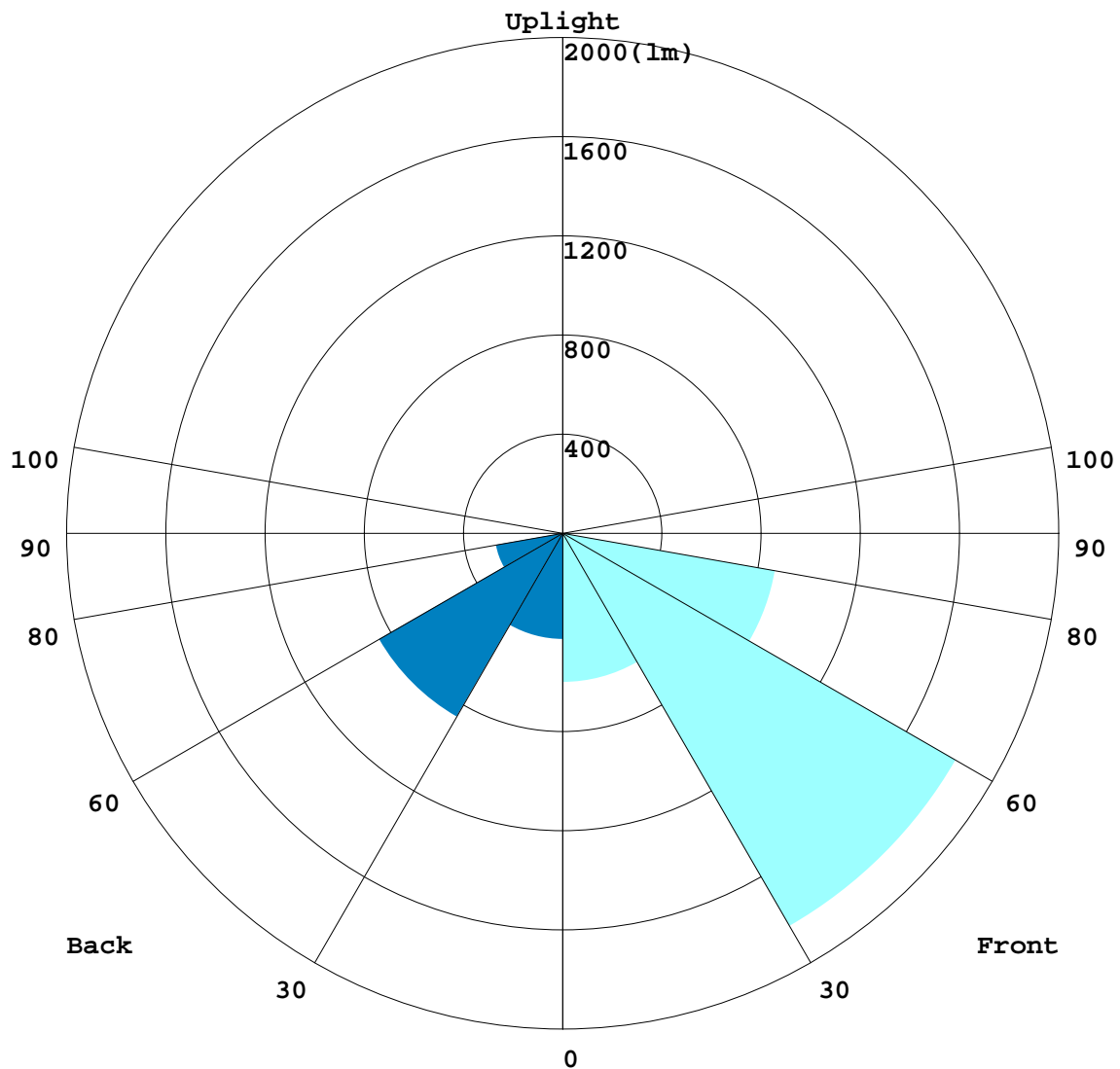
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2025-1-3

$\gamma$  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:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

$\gamma$  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:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	600.32	12.3
FM - Front-Medium(30-60)	1829.6	37.4
FH - Front-High(60-80)	869.9	17.8
FVH - Front-Very High(80-90)	27.288	0.6
Total Forward Light	3327.1	68.0

BL - Back-Low(0-30)	427.14	8.7
BM - Back-Medium(30-60)	854.7	17.5
BH - Back-High(60-80)	273.22	5.6
BVH - Back-Very High(80-90)	9.2899	0.2
Total Back Light	1564.3	32.0

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1564.3	0	1564.3
Street Side	3327.1	0	3327.1

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

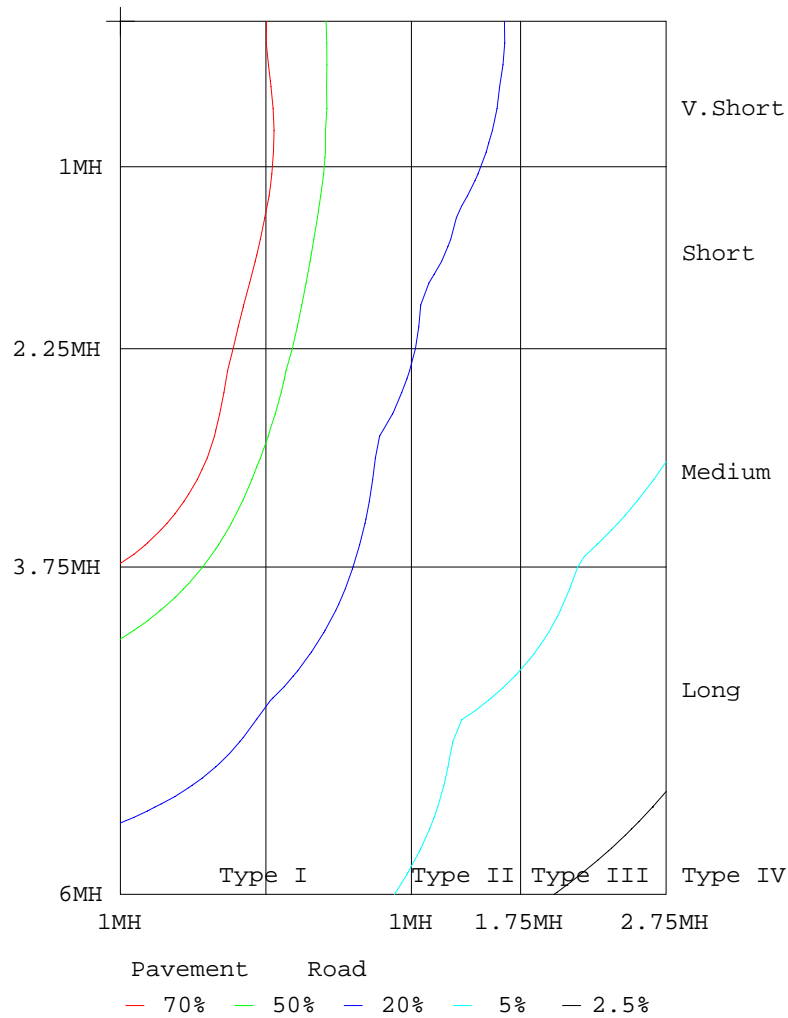
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-3

$\gamma$  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:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
5	1203	1225	1244	1262	1274	1282	1289	1283	1275	1261	1242	1222	1202	1178	1157	1141	1129	1117	1119
10	1209	1253	1293	1330	1354	1366	1375	1367	1352	1325	1293	1249	1207	1163	1118	1085	1061	1043	1040
15	1219	1286	1349	1398	1433	1446	1454	1445	1423	1393	1343	1283	1217	1149	1084	1032	994	972	967
20	1230	1324	1409	1471	1506	1521	1527	1518	1496	1456	1399	1318	1229	1134	1048	981	936	911	904
25	1240	1361	1462	1533	1570	1588	1592	1583	1557	1517	1450	1356	1239	1119	1009	930	883	859	852
30	1246	1390	1510	1590	1627	1645	1651	1644	1618	1572	1498	1387	1249	1098	968	882	834	815	809
35	1248	1417	1552	1636	1681	1699	1704	1700	1675	1624	1539	1418	1254	1076	923	829	786	768	765
40	1246	1438	1585	1679	1729	1744	1745	1744	1726	1667	1574	1440	1256	1042	869	769	732	713	708
45	1234	1456	1614	1717	1766	1772	1764	1766	1757	1710	1607	1456	1244	999	803	705	667	637	625
50	1212	1464	1639	1755	1780	1753	1719	1740	1762	1740	1634	1467	1225	940	717	624	566	535	529
55	1170	1468	1657	1777	1722	1609	1526	1582	1686	1756	1649	1471	1187	859	613	514	462	434	426
60	1099	1466	1679	1740	1484	1180	1028	1147	1408	1683	1667	1475	1132	747	492	391	356	328	320
65	995	1454	1698	1554	933	596	393	529	849	1435	1658	1485	1047	602	351	279	254	226	220
70	844	1454	1682	1080	376	208	182	197	269	906	1630	1548	916	407	219	182	164	152	148
75	517	1160	1452	648	138	112	99.6	108	127	502	1313	1272	606	206	118	102	96.3	89.2	84.4
80	147	384	559	186	57.8	47.1	40.9	44.0	53.0	108	465	404	174	60.9	47.1	43.9	44.3	36.2	36.2
85	17.4	30.6	55.4	25.3	15.5	12.3	8.95	10.6	14.1	20.9	48.4	28.6	17.7	12.6	10.5	10.2	11.5	11.0	11.4
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:yanyonggeng

Test Date:2025-1-3

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:219.3V I:0.1437A P:30.46W PF:0.9661 Freq:50.01Hz Lamp Flux:4891.41x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-30WiLE-NV-L3-00-5070-T321-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1200	1200	1200	1200	1200														
5	1119	1129	1143	1159	1180														
10	1045	1059	1084	1120	1161														
15	973	994	1029	1082	1143														
20	910	933	973	1042	1127														
25	860	879	922	998	1111														
30	813	829	876	957	1088														
35	767	785	824	910	1061														
40	712	730	765	860	1026														
45	636	662	700	796	979														
50	534	558	619	712	917														
55	429	454	502	610	832														
60	322	344	381	487	718														
65	221	242	266	334	566														
70	149	157	170	202	377														
75	87.5	93.4	96.7	107	181														
80	36.0	43.5	42.2	43.5	54.5														
85	10.9	11.4	10.1	10.2	12.6														
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:yanyonggeng  
Test Date:2025-1-3

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