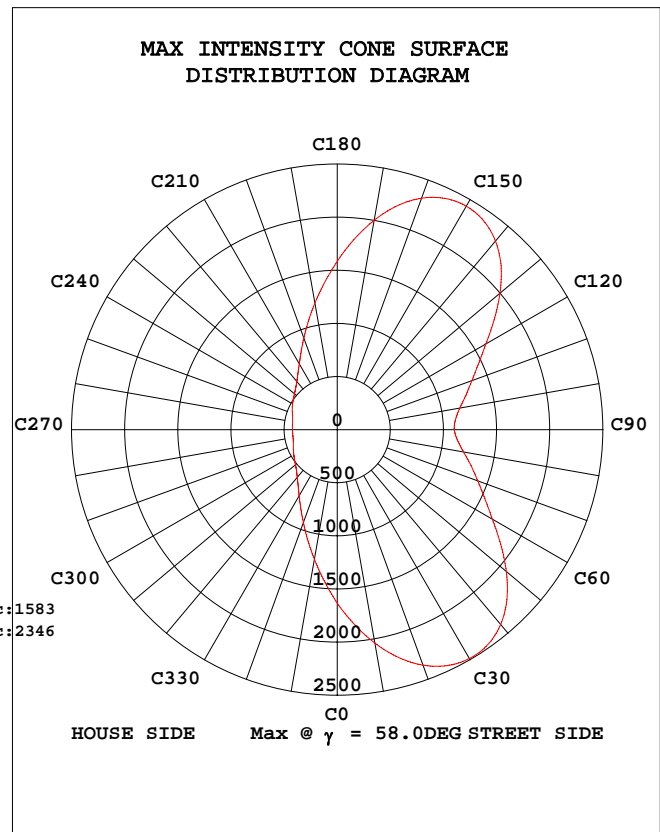
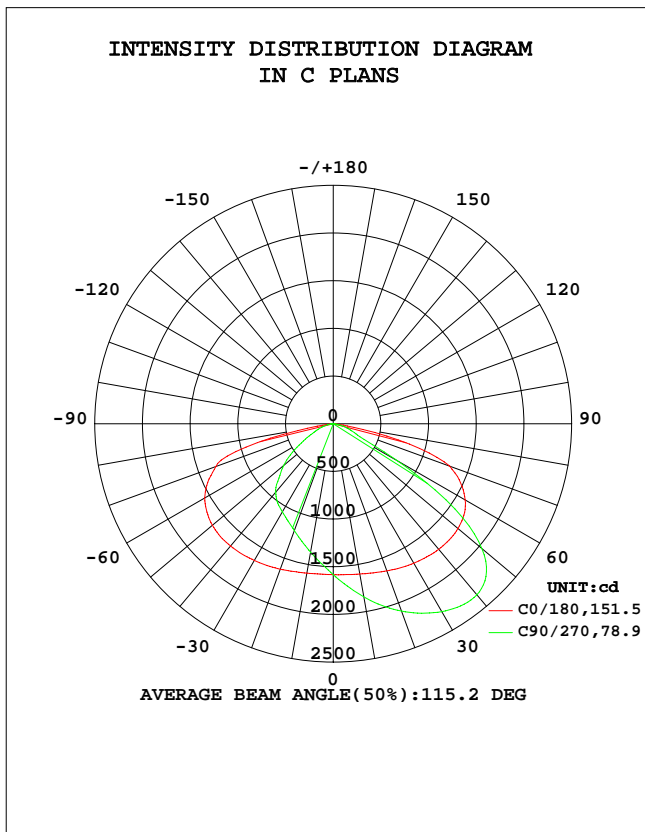


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.31 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	2487	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	67.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6335	η house_up(%)	0.0
NOMINAL FLUX(lm)	6334.98	MAXIMUM @(C,γ )	30,58.0	η house_down(%)	32.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.260

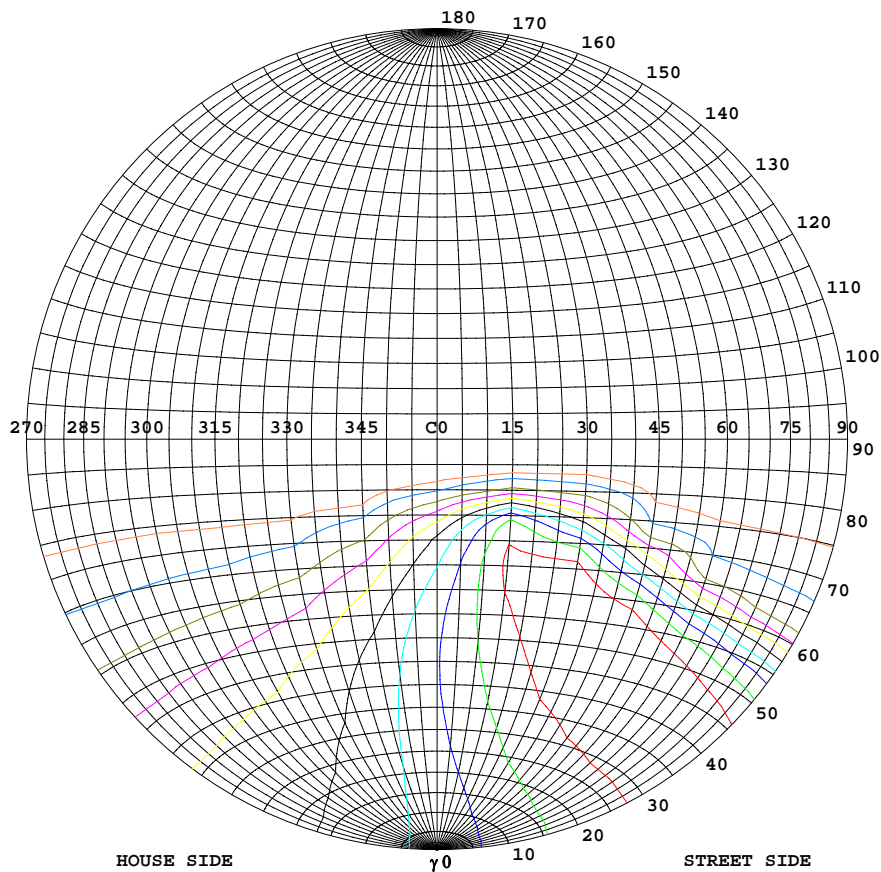


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-4

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:219.3V I:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



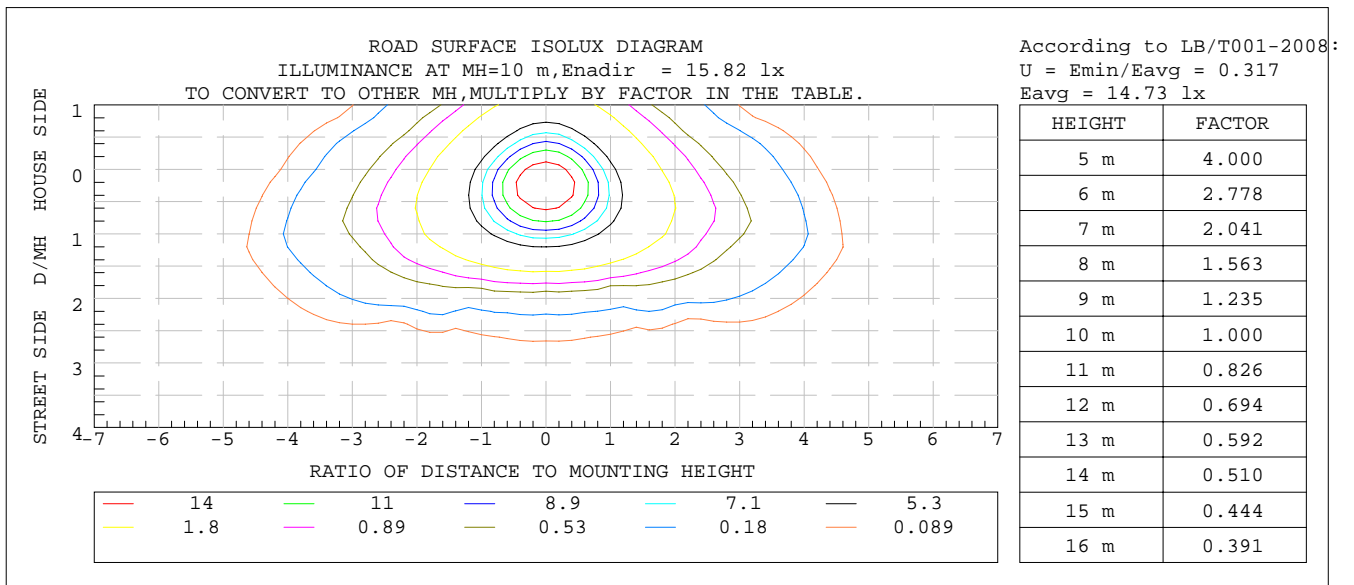
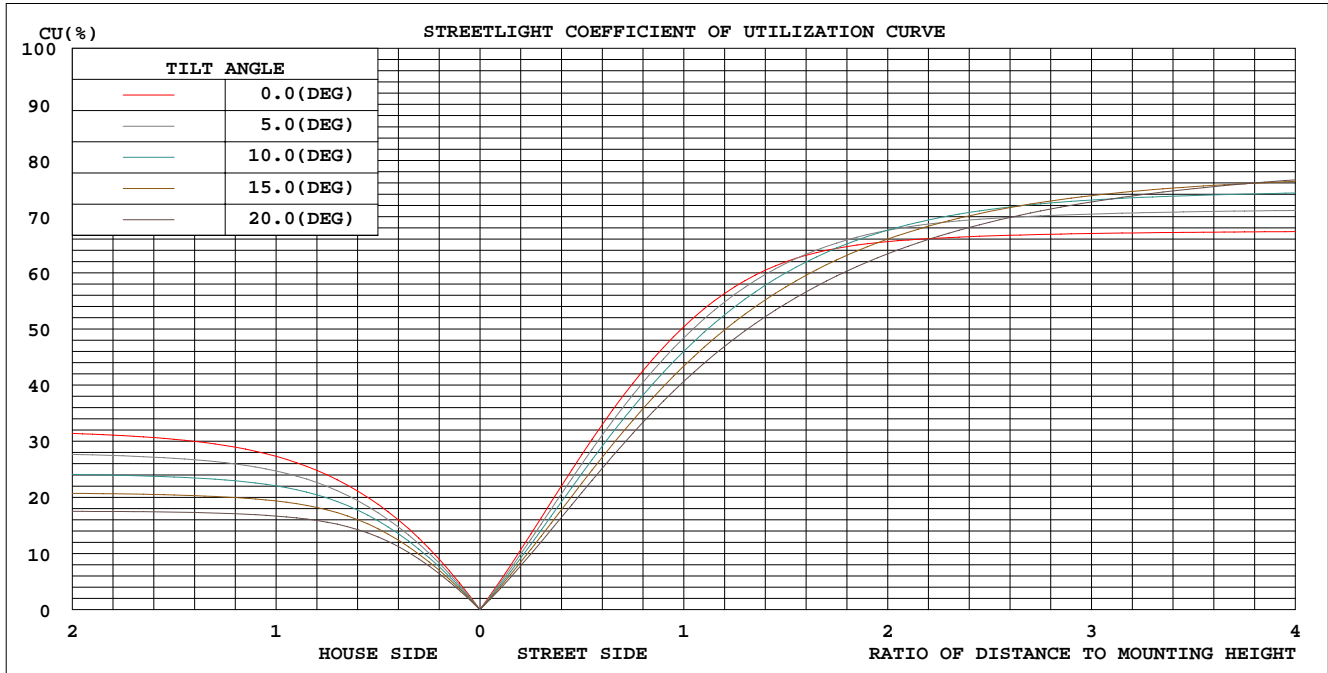
## Classification:

IES:Type III - Short  
CIE:Average - Short  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:89.30cd/klm  
Max.At90:0cd/klm  
Max.80-90:89.30cd/klm  
NRB 5101:Semi limited[25.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2487
90%	2238
80%	1989
70%	1741
60%	1492
50%	1243
40%	995
30%	746
20%	497
10%	249
5%	124

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-1-4

$\gamma$  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: 2025-1-4

$\gamma$  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:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

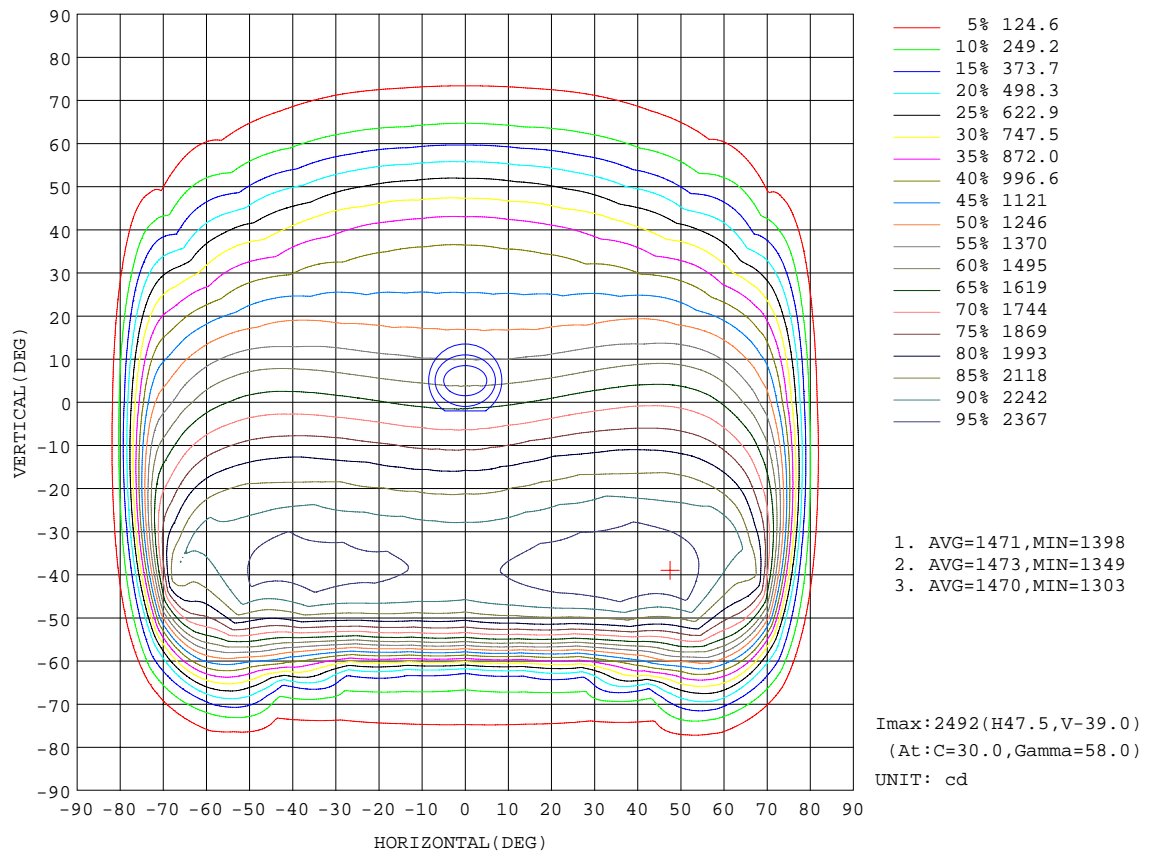
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1601	1779	1842	1771	1591	1430	1368	1430	0- 10	152.0	152.0	2.4,2.4
20	1641	2005	2090	1978	1623	1295	1193	1290	10- 20	459.8	611.8	9.66,9.66
30	1689	2209	2275	2177	1655	1165	1067	1161	20- 30	768.3	1380	21.8,21.8
40	1720	2376	2342	2344	1675	1028	939.1	1023	30- 40	1058	2438	38.5,38.5
50	1708	2476	2034	2426	1656	828.8	677.1	817.2	40- 50	1271	3710	58.6,58.6
60	1598	2102	771.6	2015	1556	483.7	361.9	473.1	50- 60	1259	4968	78.4,78.4
70	1300	819.2	192.3	695.9	1310	180.1	168.2	181.5	60- 70	890.4	5859	92.5,92.5
80	224.8	93.46	48.76	86.01	274.8	49.33	43.07	49.34	70- 80	435.3	6294	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	41.00	6335	100,100
100	0	0	0	0	0	0	0	0	90-100	0	6335	100,100
110	0	0	0	0	0	0	0	0	100-110	0	6335	100,100
120	0	0	0	0	0	0	0	0	110-120	0	6335	100,100
130	0	0	0	0	0	0	0	0	120-130	0	6335	100,100
140	0	0	0	0	0	0	0	0	130-140	0	6335	100,100
150	0	0	0	0	0	0	0	0	140-150	0	6335	100,100
160	0	0	0	0	0	0	0	0	150-160	0	6335	100,100
170	0	0	0	0	0	0	0	0	160-170	0	6335	100,100
180	0	0	0	0	0	0	0	0	170-180	0	6335	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:2025-1-4

$\gamma$  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

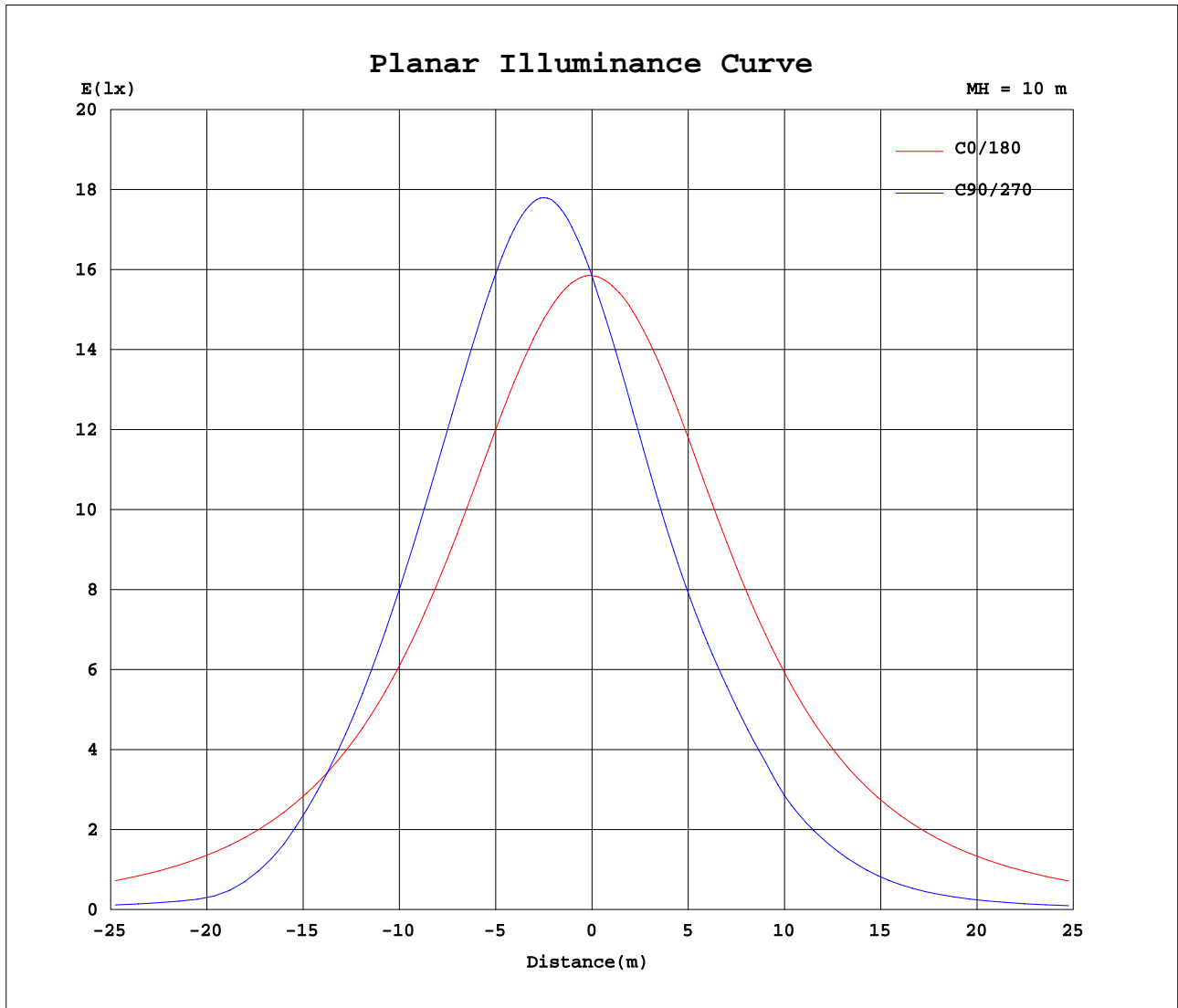
Test:U:219.3V I:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2025-1-4

$\gamma$  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



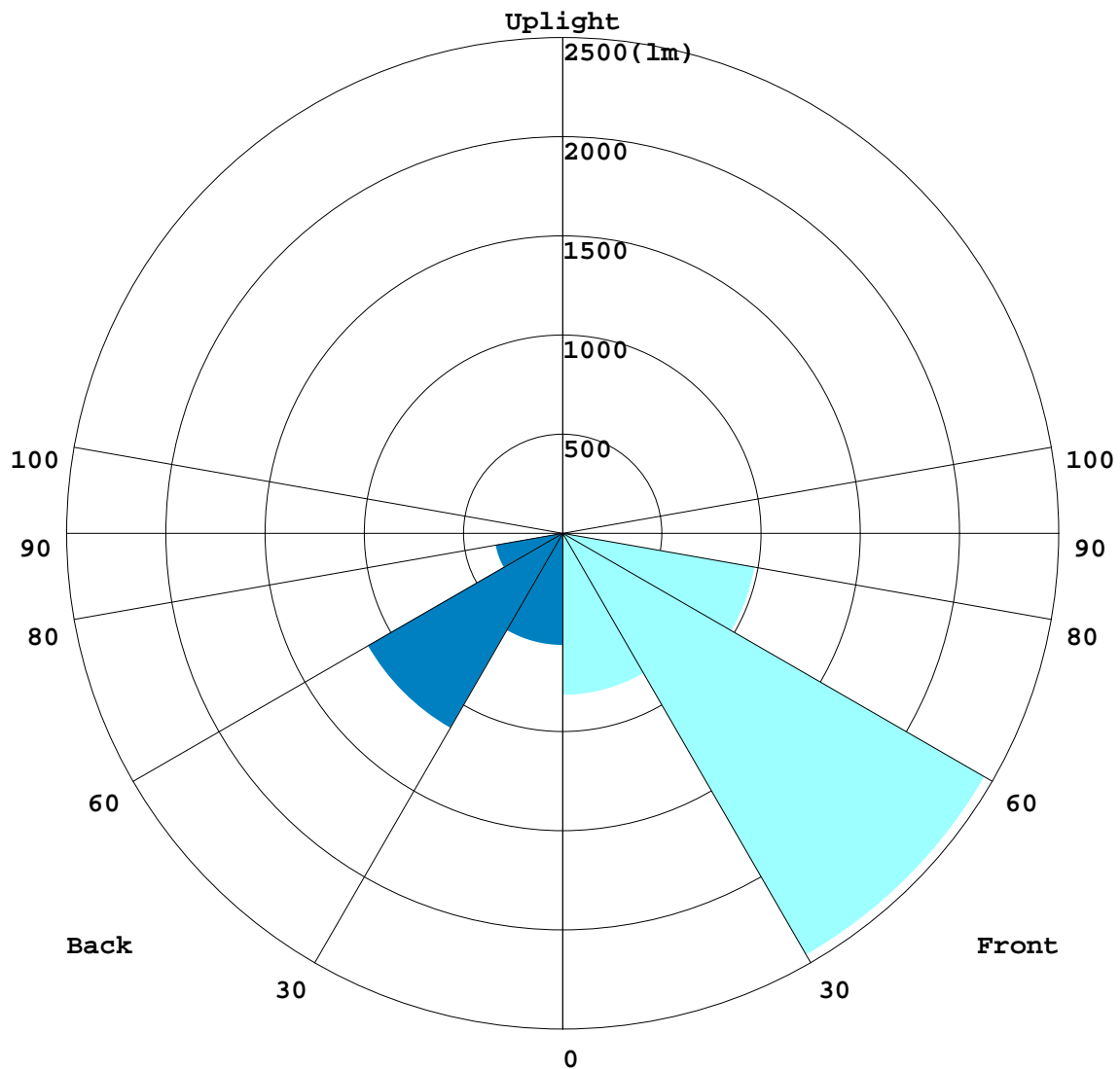
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2025-1-4

$\gamma$  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:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-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:2025-1-4

$\gamma$  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:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WILE-NV-L3-00-5070-T221-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)	815.64	12.9
FM - Front-Medium(30-60)	2454.4	38.7
FH - Front-High(60-80)	983.06	15.5
FVH - Front-Very High(80-90)	29.72	0.5
Total Forward Light	4282.8	67.6

BL - Back-Low(0-30)	564.48	8.9
BM - Back-Medium(30-60)	1133.7	17.9
BH - Back-High(60-80)	342.66	5.4
BVH - Back-Very High(80-90)	11.283	0.2
Total Back Light	2052.1	32.4

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2052.1	0	2052.1
Street Side	4282.8	0	4282.8

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2025-1-4

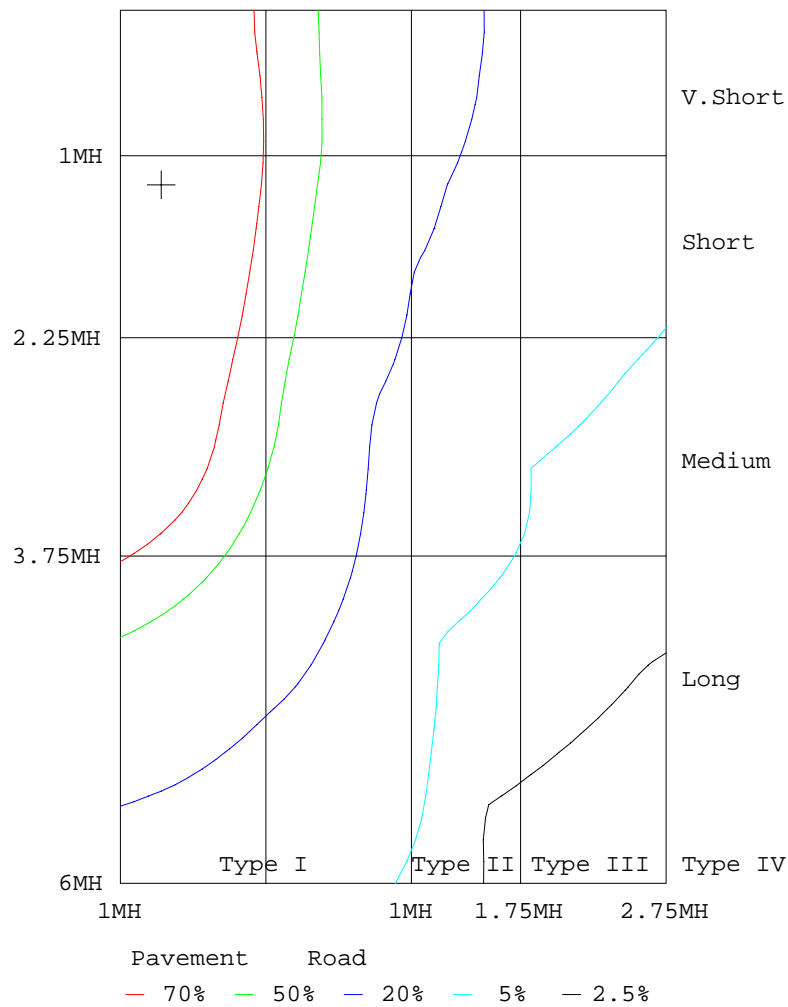
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-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:2025-1-4

$\gamma$  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:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583
5	1588	1620	1649	1675	1694	1705	1708	1704	1691	1672	1646	1615	1583	1551	1522	1500	1482	1472	1469
10	1601	1665	1728	1779	1816	1837	1842	1834	1809	1771	1720	1659	1591	1529	1476	1430	1396	1376	1368
15	1619	1720	1819	1893	1940	1967	1973	1961	1927	1874	1799	1707	1605	1512	1430	1361	1311	1285	1276
20	1641	1784	1914	2005	2059	2083	2090	2078	2040	1978	1886	1763	1623	1495	1382	1295	1237	1205	1193
25	1667	1849	2008	2112	2166	2189	2193	2185	2147	2081	1972	1820	1641	1475	1331	1230	1167	1135	1125
30	1689	1910	2095	2209	2260	2278	2275	2275	2244	2177	2055	1876	1655	1452	1279	1165	1102	1078	1067
35	1706	1969	2177	2296	2342	2344	2331	2340	2325	2265	2140	1933	1668	1423	1223	1099	1045	1025	1015
40	1720	2023	2260	2376	2400	2375	2342	2364	2377	2344	2222	1987	1675	1381	1157	1028	977	950	939
45	1722	2078	2339	2444	2410	2332	2265	2307	2377	2409	2306	2037	1673	1328	1073	943	883	828	806
50	1708	2132	2413	2476	2318	2150	2034	2109	2272	2426	2380	2091	1656	1253	959	829	737	693	677
55	1672	2187	2475	2403	2017	1718	1560	1672	1952	2338	2427	2146	1617	1144	814	663	589	539	523
60	1598	2241	2475	2102	1400	956	772	914	1331	2015	2406	2211	1556	989	645	484	415	371	362
65	1475	2287	2325	1490	593	331	283	327	533	1402	2243	2264	1453	786	425	303	268	242	242
70	1300	2213	1877	819	246	204	192	203	242	696	1765	2245	1310	508	232	180	172	170	168
75	827	1851	1107	217	141	127	121	126	138	198	1032	1878	948	231	114	108	109	105	103
80	225	566	403	93.5	64.5	56.5	48.8	53.4	61.7	86.0	344	517	275	60.4	49.9	49.3	51.9	43.9	43.1
85	24.9	46.9	53.0	24.7	17.4	14.7	10.9	12.9	16.2	22.2	40.9	40.6	24.2	15.7	12.8	11.8	12.8	12.1	12.5
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:2025-1-4

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:0.1880A P:40.53W PF:0.9833 Freq:50.01Hz Lamp Flux:6334.98x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T221-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	1583	1583	1583	1583	1583														
5	1474	1484	1503	1527	1555														
10	1375	1394	1430	1476	1534														
15	1284	1309	1358	1429	1516														
20	1202	1232	1290	1380	1500														
25	1133	1162	1224	1330	1483														
30	1074	1098	1161	1278	1463														
35	1018	1039	1097	1221	1436														
40	944	971	1023	1158	1398														
45	820	873	934	1077	1348														
50	684	720	817	966	1275														
55	530	574	646	820	1163														
60	367	406	473	644	1007														
65	242	267	301	416	796														
70	170	174	181	227	511														
75	105	108	108	116	226														
80	43.2	51.6	49.3	49.6	62.4														
85	11.9	12.8	11.8	12.6	15.8														
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:2025-1-4

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: