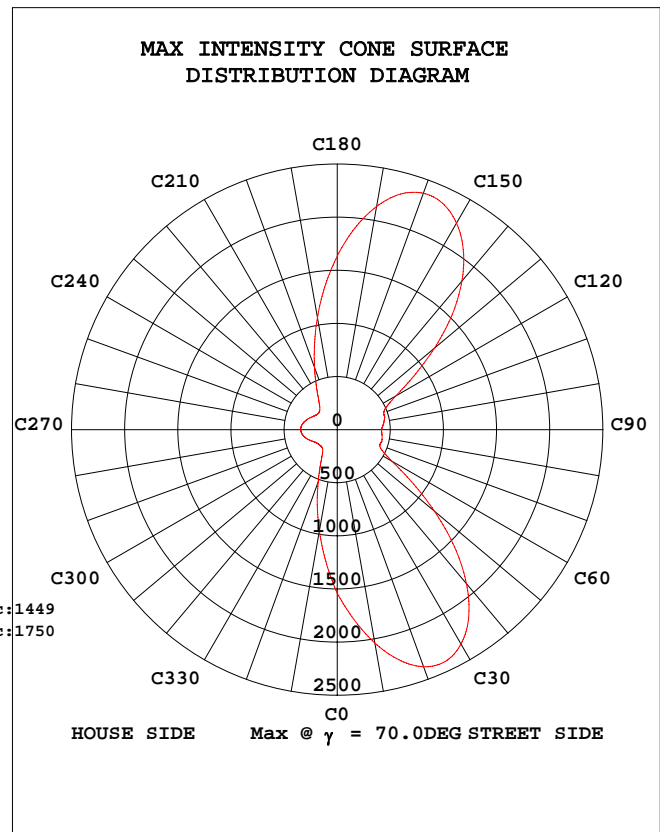
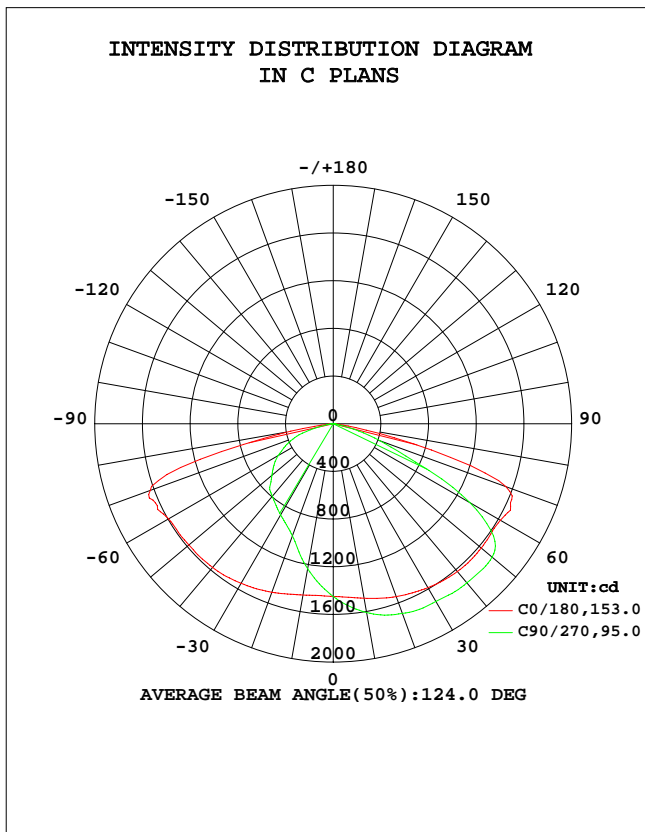


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WILE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.52 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	2330	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	65.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5977	η house_up(%)	0.0
NOMINAL FLUX(lm)	5976.82	MAXIMUM @(C,γ )	30,70.0	η house_down(%)	34.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.067

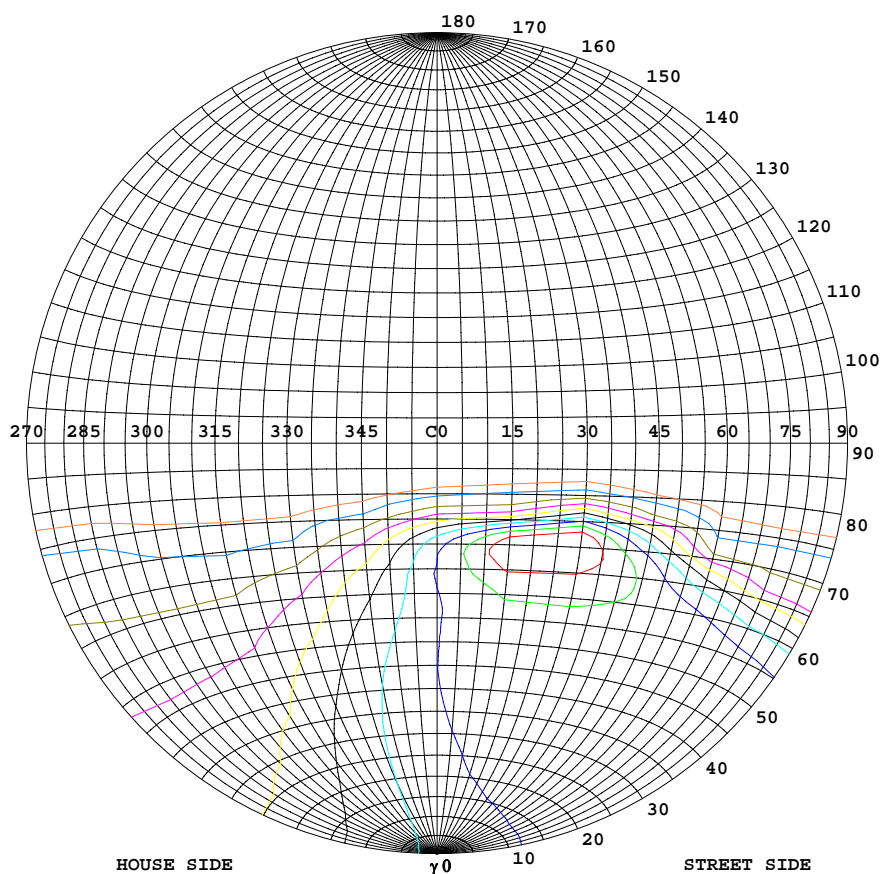


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-22

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:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



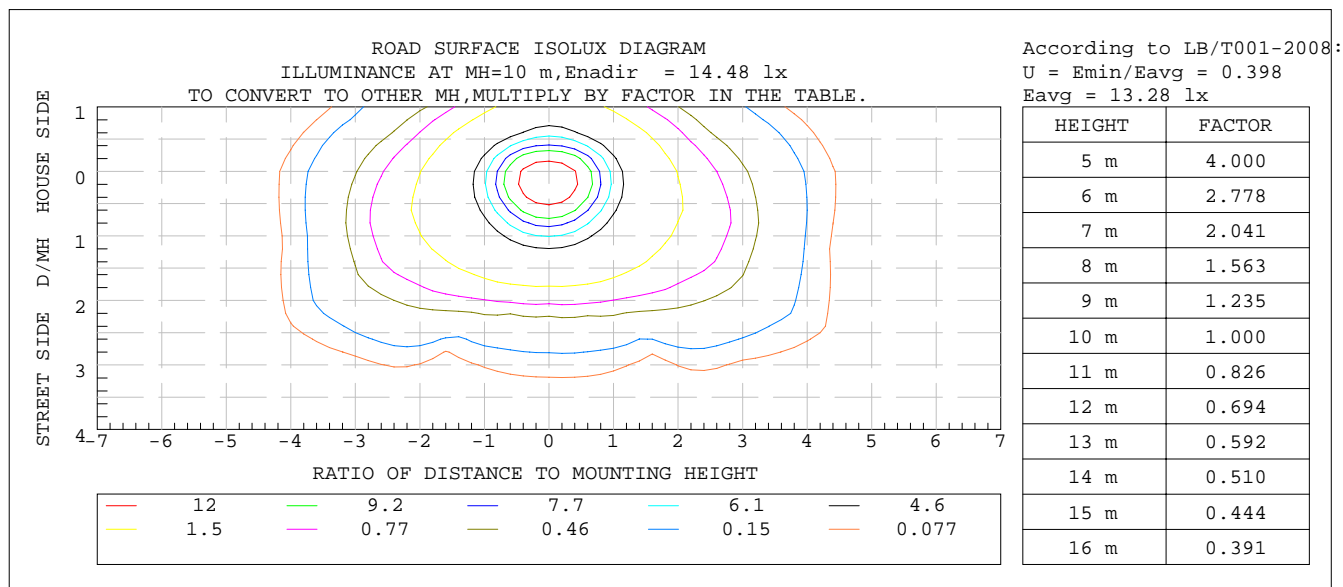
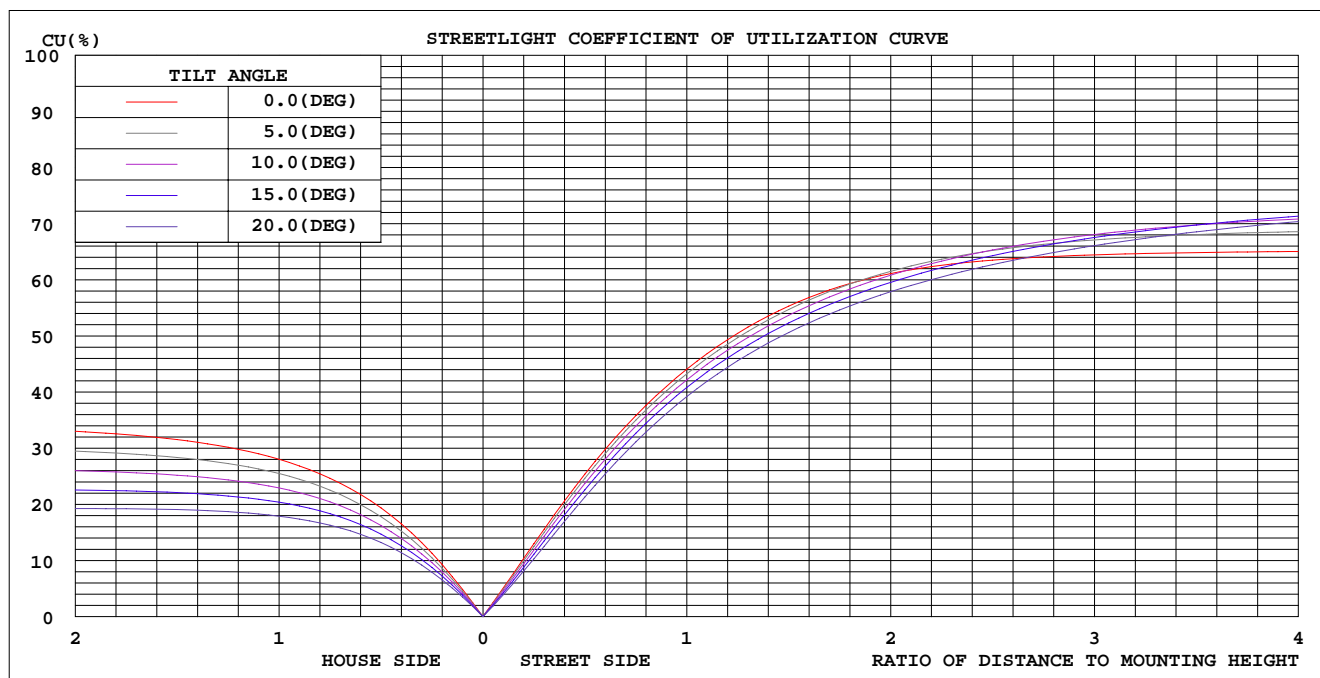
## Classification:

IES:Type III - Medium  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:102.9cd/klm  
Max.At90:0cd/klm  
Max.80-90:102.9cd/klm  
NRB 5101:Limited[4.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2330
90%	2097
80%	1864
70%	1631
60%	1398
50%	1165
40%	932
30%	699
20%	466
10%	233
5%	116

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-22

$\gamma$  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: 2024-12-22

$\gamma$  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:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

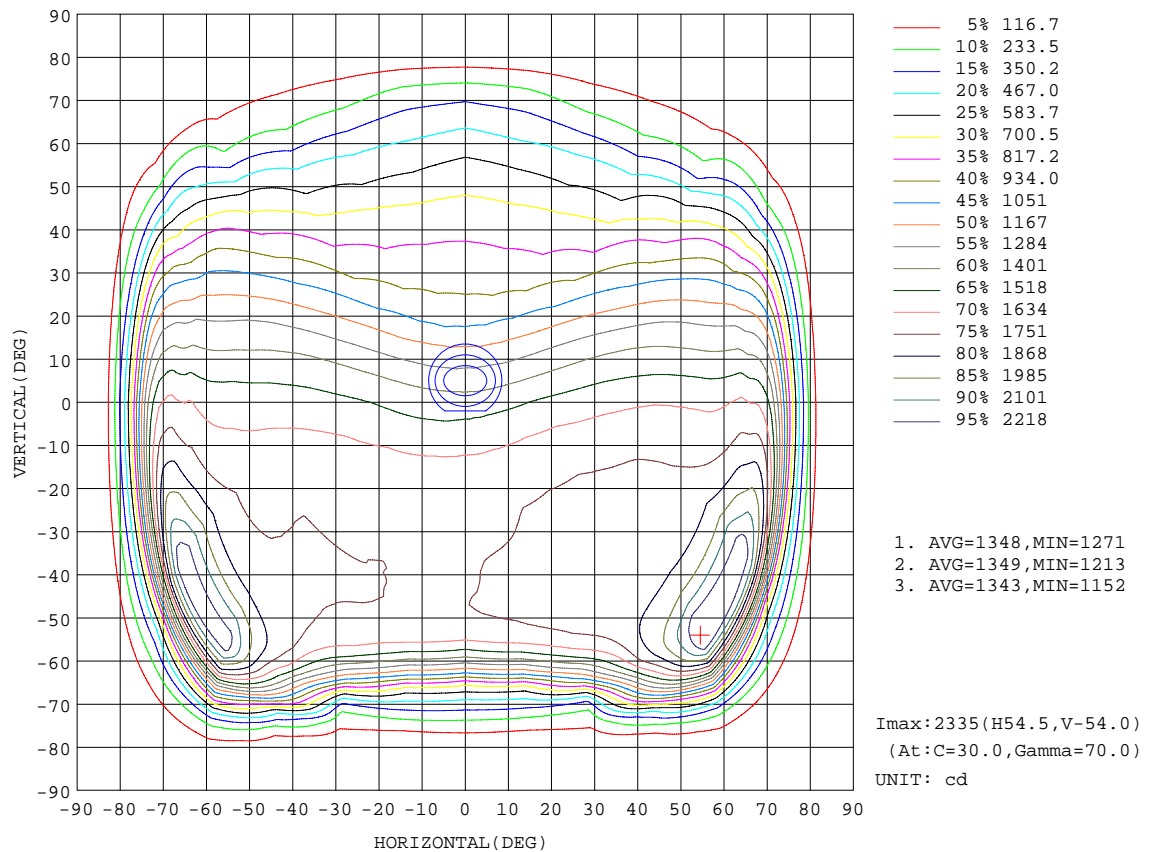
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1487	1585	1607	1566	1459	1308	1236	1324	0- 10	138.1	138.1	2.31,2.31
20	1544	1698	1694	1666	1504	1173	1002	1195	10- 20	408.2	546.4	9.14,9.14
30	1588	1763	1722	1729	1545	1043	883.2	1053	20- 30	659.7	1206	20.2,20.2
40	1619	1789	1743	1750	1574	901.7	795.4	890.1	30- 40	881.5	2088	34.9,34.9
50	1621	1810	1740	1765	1581	752.8	672.2	727.5	40- 50	1056	3144	52.6,52.6
60	1619	1846	1323	1775	1596	535.6	535.5	512.6	50- 60	1150	4293	71.8,71.8
70	1541	1562	416.1	1530	1634	240.2	344.6	218.9	60- 70	1076	5369	89.8,89.8
80	192.5	139.4	45.07	160.1	361.8	63.40	58.47	47.59	70- 80	566.1	5935	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	41.46	5977	100,100
100	0	0	0	0	0	0	0	0	90-100	0	5977	100,100
110	0	0	0	0	0	0	0	0	100-110	0	5977	100,100
120	0	0	0	0	0	0	0	0	110-120	0	5977	100,100
130	0	0	0	0	0	0	0	0	120-130	0	5977	100,100
140	0	0	0	0	0	0	0	0	130-140	0	5977	100,100
150	0	0	0	0	0	0	0	0	140-150	0	5977	100,100
160	0	0	0	0	0	0	0	0	150-160	0	5977	100,100
170	0	0	0	0	0	0	0	0	160-170	0	5977	100,100
180	0	0	0	0	0	0	0	0	170-180	0	5977	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:2024-12-22

$\gamma$  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

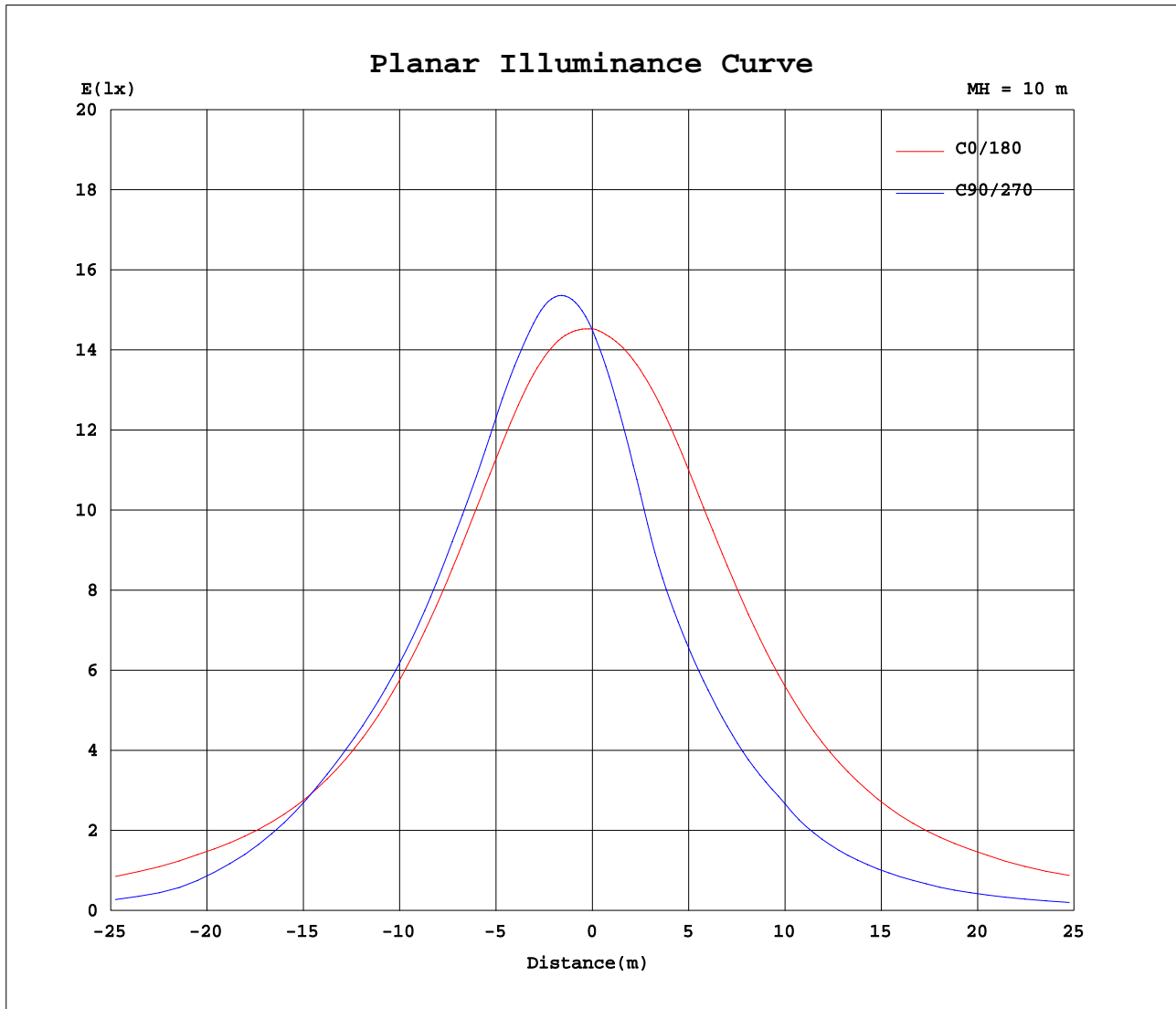
Test:U:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-22

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



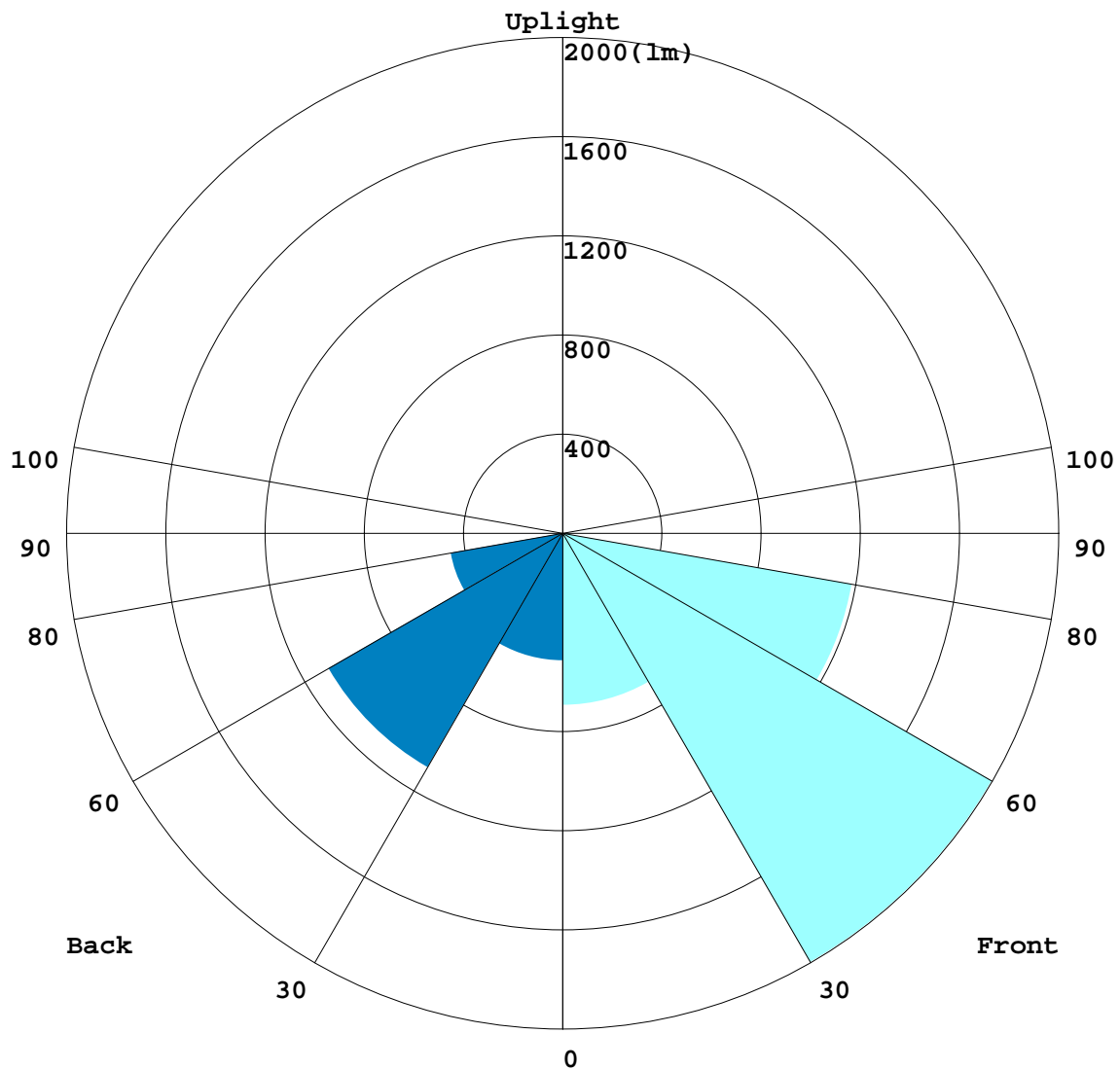
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-22

$\gamma$  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:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-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:2024-12-22

$\gamma$  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:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-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)	692.9	11.6
FM - Front-Medium(30-60)	1997.3	33.4
FH - Front-High(60-80)	1183.6	19.8
FVH - Front-Very High(80-90)	27.096	0.5
Total Forward Light	3900.9	65.3

BL - Back-Low(0-30)	513.16	8.6
BM - Back-Medium(30-60)	1090.1	18.2
BH - Back-High(60-80)	458.31	7.7
BVH - Back-Very High(80-90)	14.363	0.2
Total Back Light	2075.9	34.7

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	2075.9	0	2075.9
Street Side	3900.9	0	3900.9

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-22

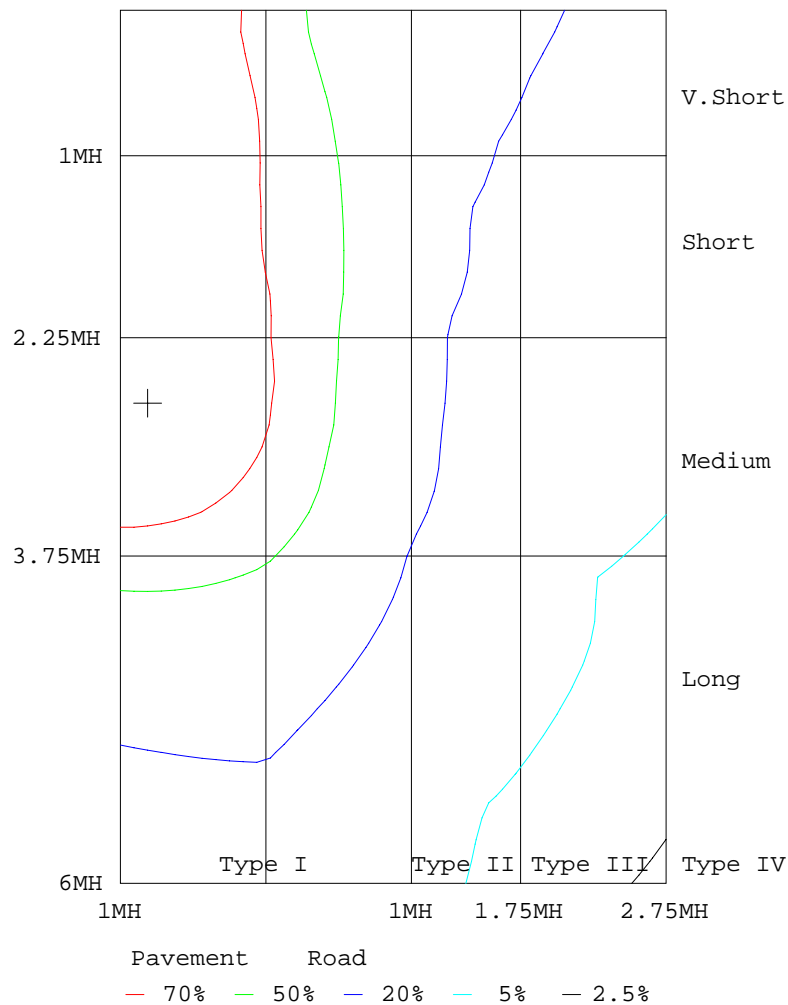
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-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:2024-12-22

$\gamma$  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:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-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	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449	1449
5	1461	1483	1503	1519	1528	1535	1536	1532	1521	1509	1490	1471	1446	1422	1398	1376	1361	1350	1348
10	1487	1527	1560	1585	1598	1607	1607	1601	1585	1566	1538	1504	1459	1410	1357	1308	1268	1242	1236
15	1516	1575	1618	1647	1658	1663	1662	1656	1642	1621	1586	1541	1479	1406	1322	1242	1173	1125	1113
20	1544	1619	1670	1698	1699	1697	1694	1690	1680	1666	1633	1580	1504	1406	1290	1173	1074	1014	1002
25	1566	1655	1712	1734	1734	1724	1718	1717	1707	1699	1673	1617	1527	1404	1257	1109	994	946	934
30	1588	1690	1742	1763	1756	1737	1722	1722	1729	1729	1704	1650	1545	1401	1221	1043	929	894	883
35	1606	1718	1767	1784	1769	1755	1737	1734	1737	1747	1726	1678	1563	1394	1178	972	869	843	838
40	1619	1740	1784	1789	1787	1768	1743	1743	1750	1750	1745	1701	1574	1381	1126	902	811	795	795
45	1625	1755	1791	1801	1790	1769	1748	1747	1754	1759	1754	1713	1581	1354	1063	830	753	741	754
50	1621	1767	1798	1810	1794	1762	1740	1745	1752	1765	1755	1724	1581	1314	987	753	674	649	672
55	1613	1798	1822	1826	1781	1703	1640	1690	1733	1765	1765	1749	1588	1257	889	662	574	574	608
60	1619	1884	1894	1846	1674	1434	1323	1435	1642	1775	1807	1822	1596	1179	771	536	485	495	536
65	1641	2116	2105	1837	1297	899	764	934	1303	1761	1965	2015	1628	1053	619	398	378	406	444
70	1541	2241	2330	1562	594	435	416	464	635	1530	2245	2296	1634	828	364	240	256	315	345
75	853	1119	1651	853	180	170	179	183	194	943	1879	1534	1155	484	168	146	149	195	200
80	193	264	367	139	59.8	50.3	45.1	48.3	65.0	160	615	347	362	111	64.8	63.4	67.9	63.7	58.5
85	21.9	29.3	33.9	22.0	14.9	13.4	10.1	13.1	18.4	30.1	63.5	50.6	42.3	23.0	17.3	15.9	17.3	16.0	15.7
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:2024-12-22

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:219.4V I:0.1854A P:39.97W PF:0.9826 Freq:50.01Hz Lamp Flux:5976.82x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-40WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1449	1449	1449	1449	1449														
5	1352	1366	1385	1408	1435														
10	1246	1278	1324	1377	1435														
15	1129	1184	1258	1347	1437														
20	1022	1091	1195	1318	1440														
25	942	1001	1129	1286	1442														
30	883	922	1053	1247	1441														
35	833	854	973	1198	1430														
40	790	797	890	1133	1408														
45	742	742	810	1059	1376														
50	656	657	728	970	1322														
55	584	573	622	854	1246														
60	501	487	513	721	1147														
65	403	369	364	533	998														
70	306	238	219	287	730														
75	181	133	124	136	326														
80	52.9	55.3	47.6	47.0	67.1														
85	13.7	13.1	11.2	12.1	16.7														
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:2024-12-22

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: