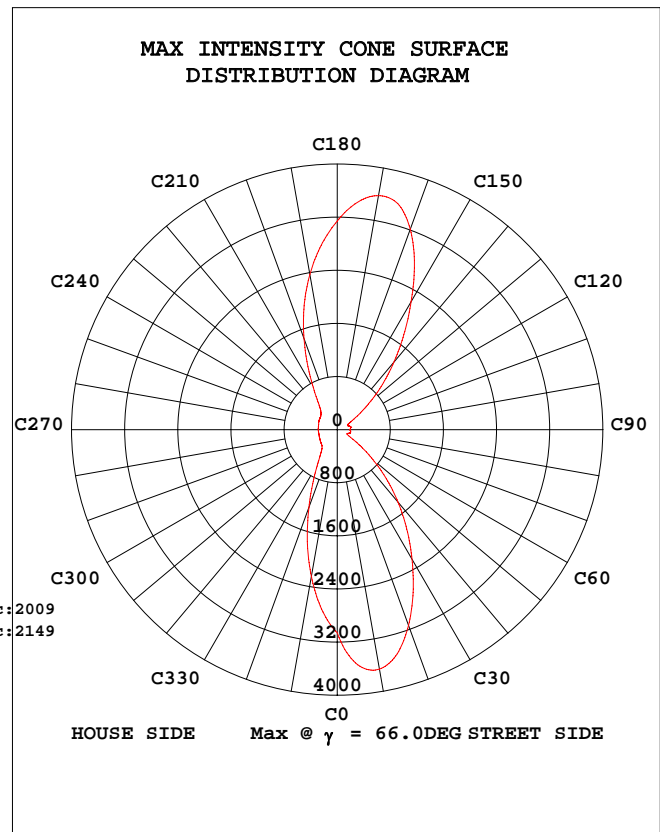
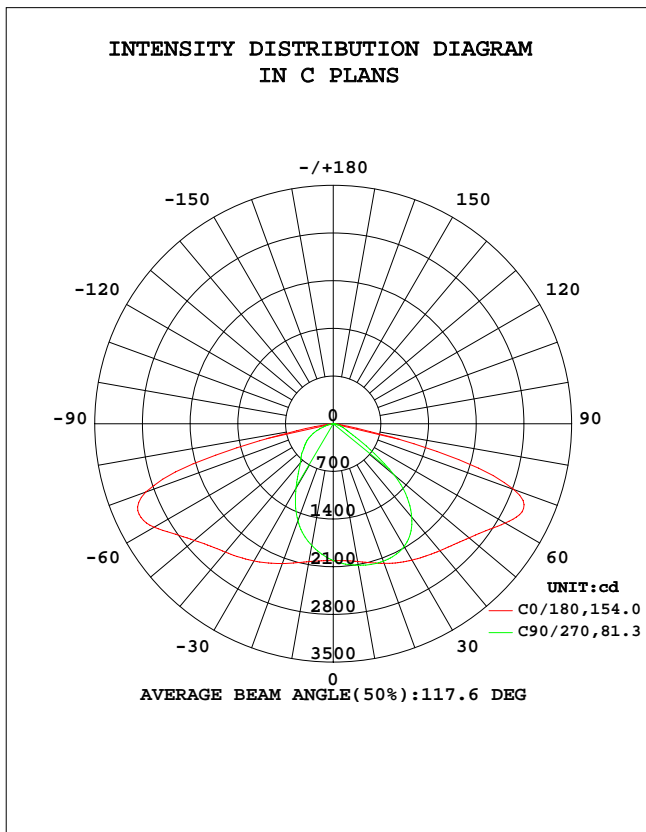


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WILE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.09 lm/W			
MODEL	3030	Imax(cd)	3526	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	$\eta$ street_down(%)	60.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7452	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	7451.69	MAXIMUM @(C, $\gamma$ )	165,66.0	$\eta$ house_down(%)	39.7
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	19.308

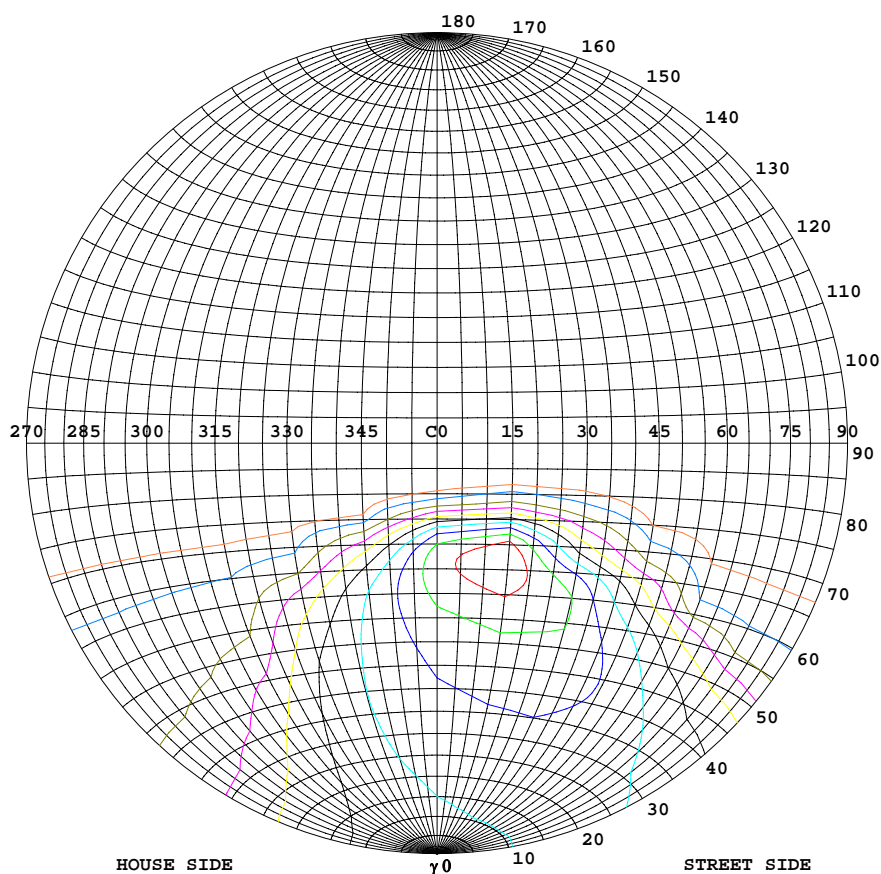


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-11

$\gamma$  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:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:



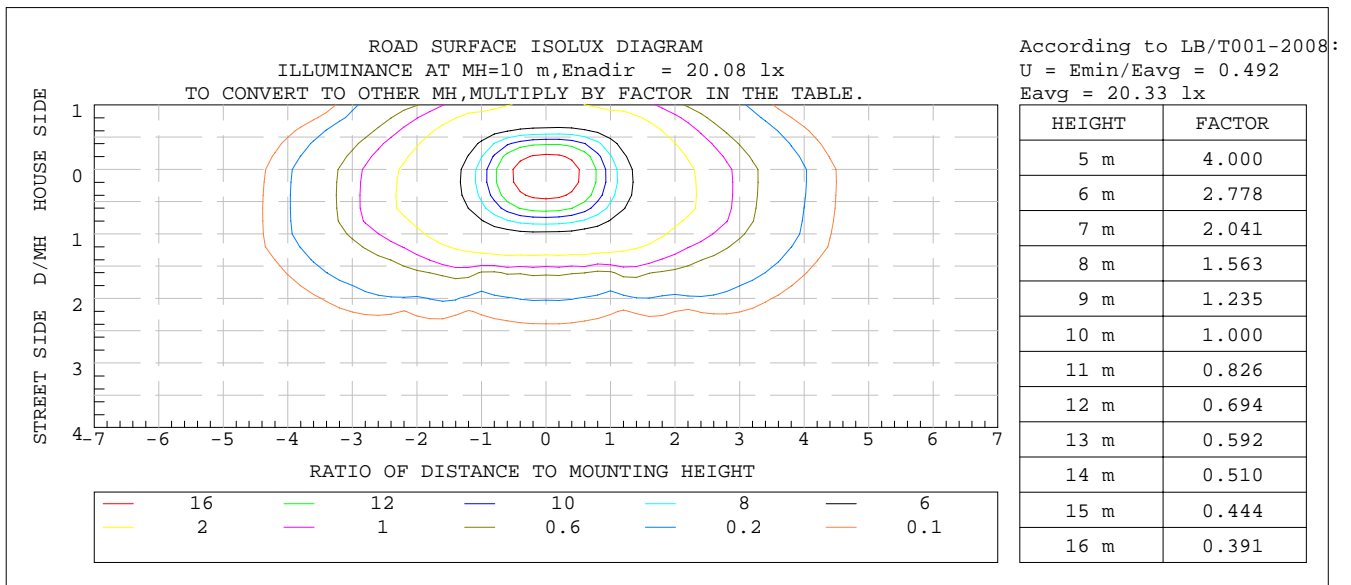
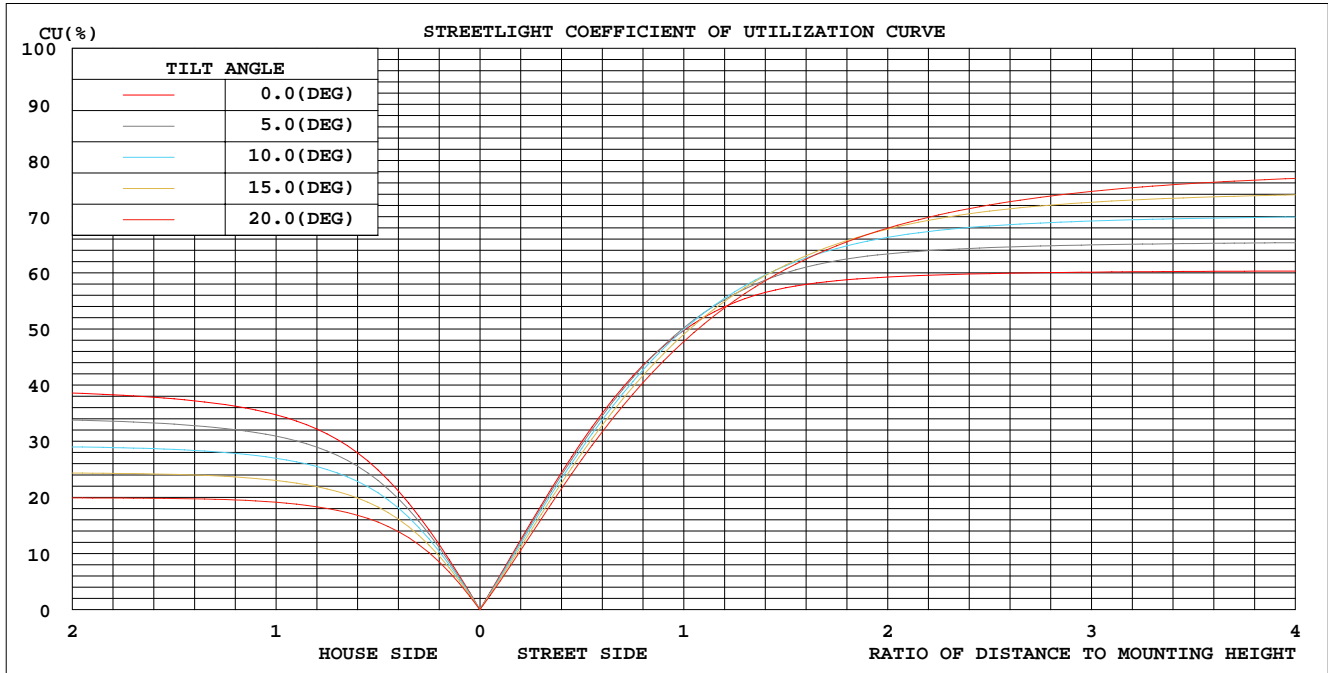
## Classification:

IES:Type II - Short  
CIE:Narrow - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:64.01cd/klm  
Max.At90:0cd/klm  
Max.80-90:64.01cd/klm  
NRB 5101:Semi limited[20.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3526
90%	3174
80%	2821
70%	2468
60%	2116
50%	1763
40%	1410
30%	1058
20%	705
10%	353
5%	176

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-11

$\gamma$  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:

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: 2024-12-11

$\gamma$  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:

## ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

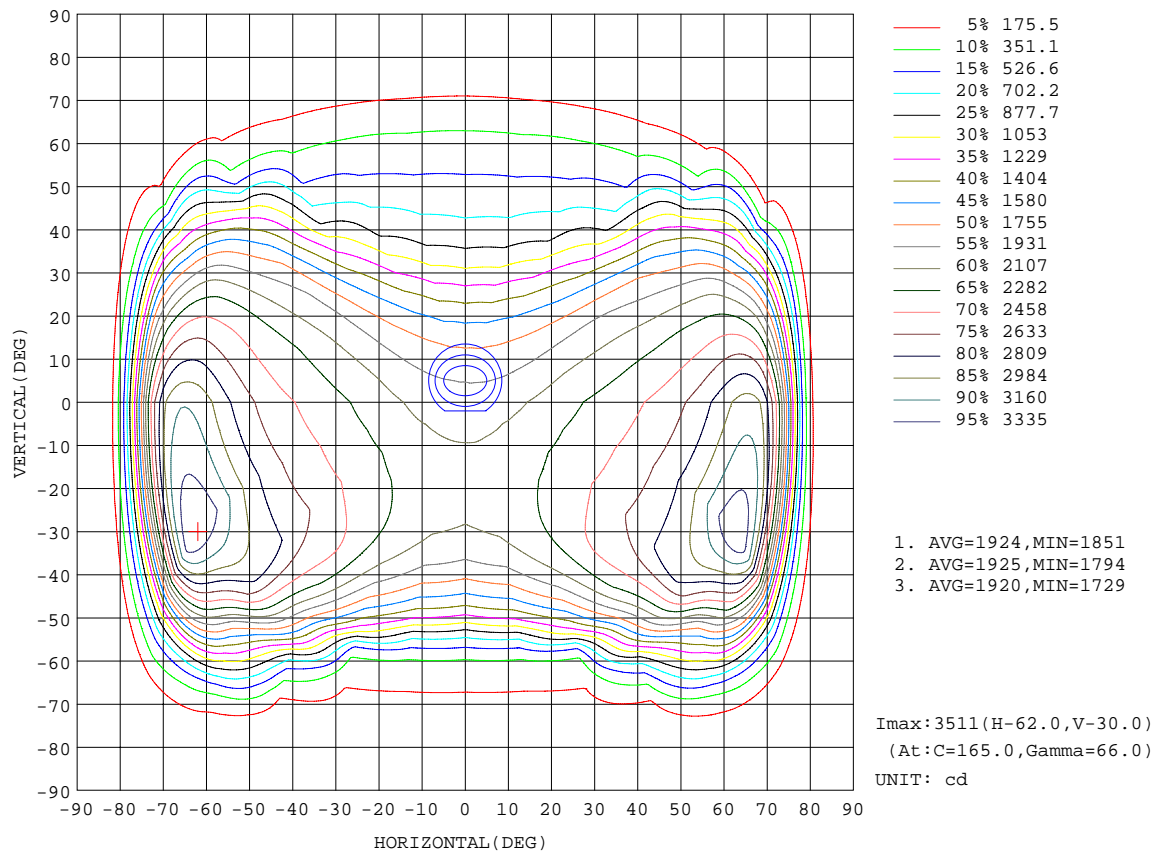
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	2054	2109	2109	2112	2055	1907	1815	1896	0- 10	191.6	191.6	2.57,2.57
20	2181	2228	2148	2227	2184	1815	1518	1787	10- 20	569.9	761.5	10.2,10.2
30	2312	2345	2081	2350	2327	1672	1096	1620	20- 30	923.6	1685	22.6,22.6
40	2434	2444	1794	2449	2462	1408	754.6	1335	30- 40	1213	2898	38.9,38.9
50	2606	2374	1159	2360	2664	945.5	567.2	861.0	40- 50	1402	4300	57.7,57.7
60	2915	1763	336.1	1743	3037	522.6	412.2	501.0	50- 60	1417	5717	76.7,76.7
70	2815	523.3	141.9	455.0	2929	229.2	195.5	210.7	60- 70	1186	6903	92.6,92.6
80	224.3	58.18	39.71	63.21	412.7	44.78	41.21	38.92	70- 80	514.8	7418	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	33.48	7452	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7452	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7452	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7452	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7452	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7452	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7452	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7452	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7452	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7452	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:2024-12-11

$\gamma$  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:

## ISOCANDELA DIAGRAM

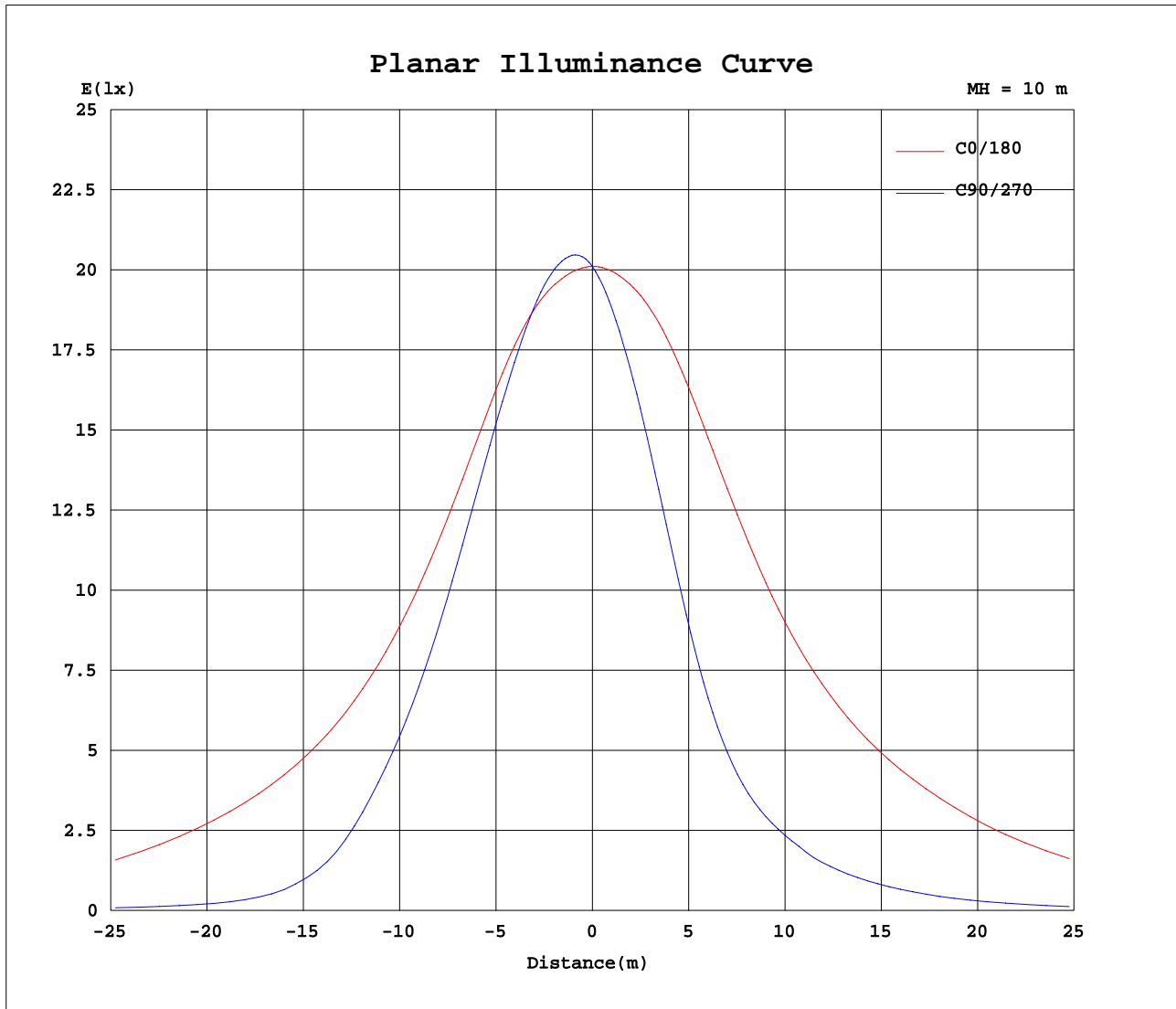
Test:U:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-11

$\gamma$  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:

## Planar Illuminance Curve



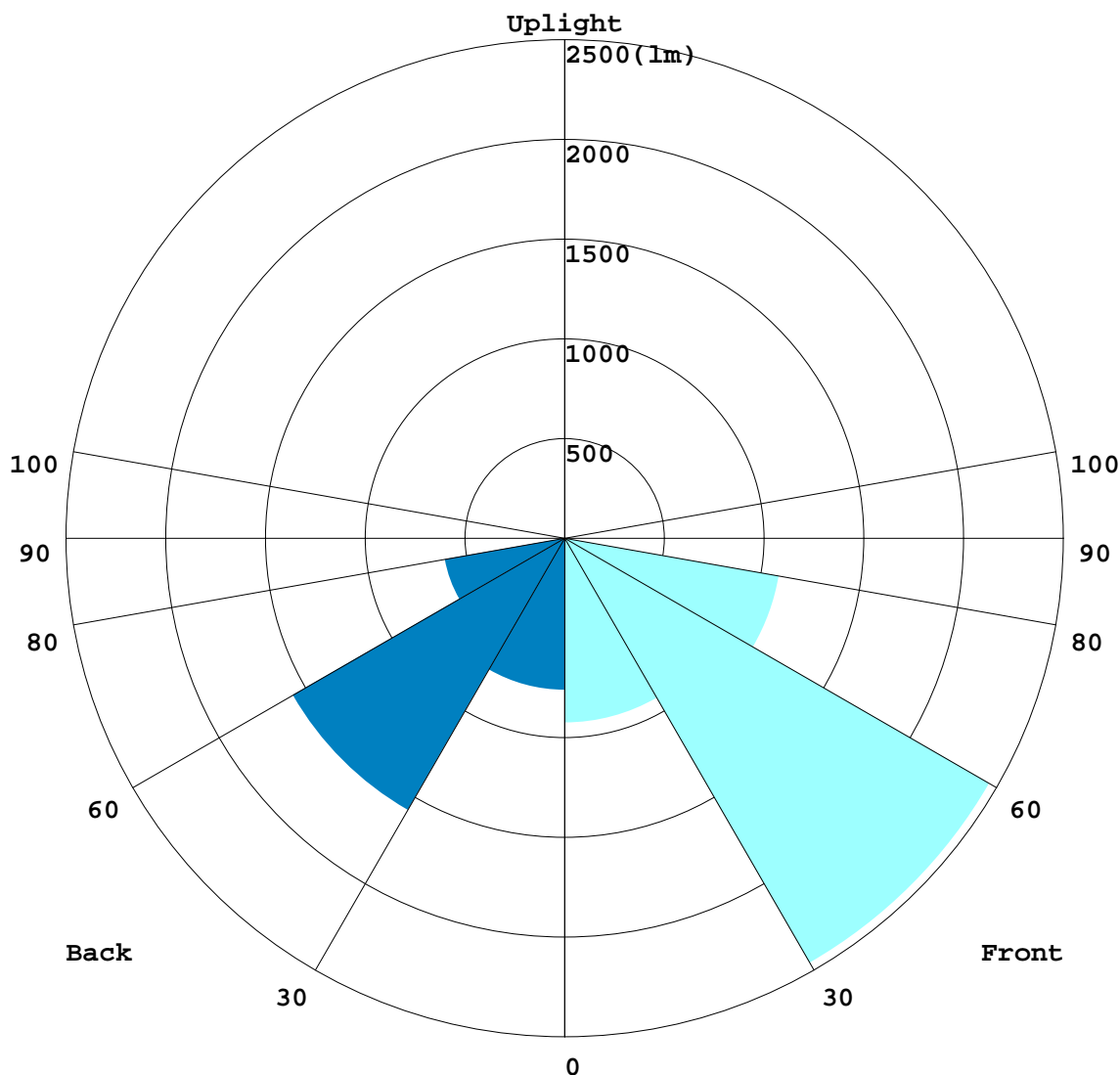
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-12-11

$\gamma$  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:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	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:2024-12-11

$\gamma$  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:

## BUG REPORT

Test:U:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	924.85	12.4
FM - Front-Medium(30-60)	2458.5	33.0
FH - Front-High(60-80)	1091	14.6
FVH - Front-Very High(80-90)	21.713	0.3
Total Forward Light	4496	60.3

BL - Back-Low(0-30)	760.27	10.2
BM - Back-Medium(30-60)	1573.5	21.1
BH - Back-High(60-80)	610.2	8.2
BVH - Back-Very High(80-90)	11.763	0.2
Total Back Light	2955.7	39.7

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2955.7	0	2955.7
Street Side	4496	0	4496

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2024-12-11

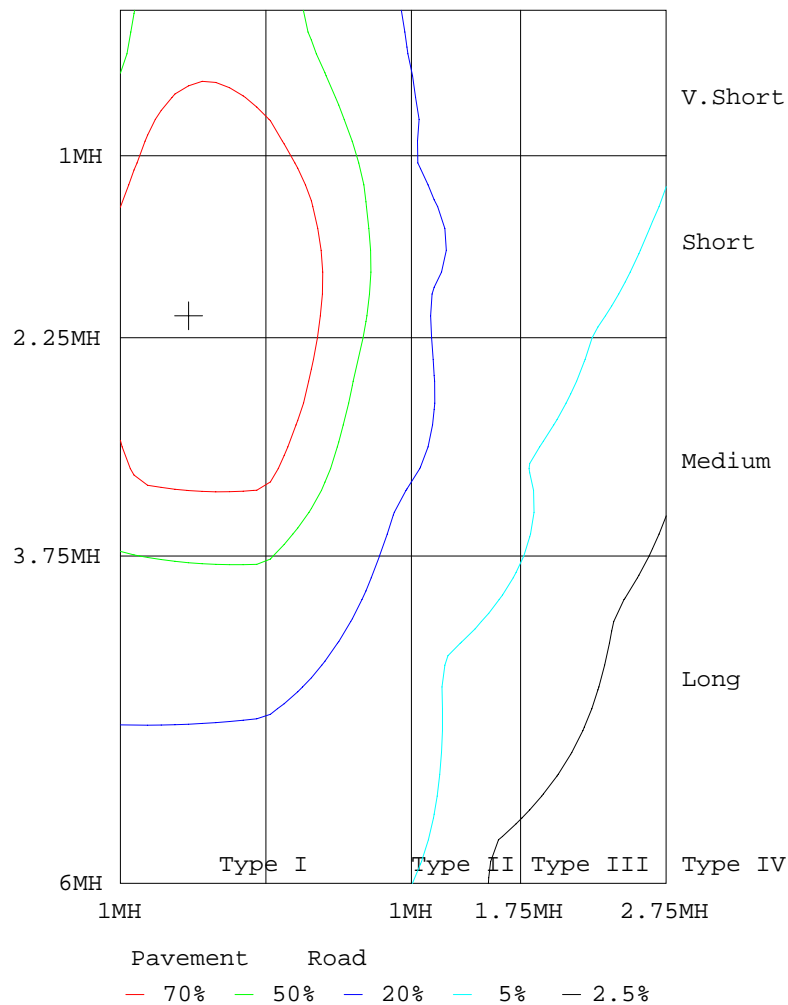
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-12-11

$\gamma$  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:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	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	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009
5	2019	2036	2050	2059	2064	2068	2068	2070	2066	2060	2052	2038	2020	2002	1978	1957	1940	1927	1923
10	2054	2085	2103	2109	2109	2110	2109	2113	2112	2112	2105	2087	2055	2012	1959	1907	1862	1828	1815
15	2113	2154	2171	2165	2152	2143	2140	2146	2156	2165	2171	2155	2113	2046	1955	1863	1777	1710	1685
20	2181	2229	2242	2228	2191	2160	2148	2163	2192	2227	2246	2234	2184	2094	1964	1815	1672	1558	1518
25	2250	2303	2316	2285	2219	2156	2132	2158	2219	2289	2324	2313	2256	2146	1976	1754	1537	1372	1314
30	2312	2372	2387	2345	2237	2131	2081	2127	2235	2350	2401	2390	2327	2195	1986	1672	1370	1161	1096
35	2371	2440	2461	2403	2227	2050	1973	2043	2217	2407	2483	2468	2394	2239	1985	1562	1174	960	899
40	2434	2520	2546	2444	2162	1897	1794	1885	2140	2449	2578	2553	2462	2279	1958	1408	976	796	755
45	2508	2618	2644	2448	2011	1665	1538	1649	1977	2450	2683	2661	2543	2314	1905	1208	801	695	664
50	2606	2750	2747	2374	1752	1337	1159	1313	1710	2360	2787	2818	2664	2343	1803	946	687	592	567
55	2737	2933	2829	2157	1369	792	664	773	1312	2122	2877	3035	2828	2354	1621	708	554	504	493
60	2915	3197	2823	1763	621	376	336	377	563	1743	2838	3303	3037	2289	1343	523	455	419	412
65	3058	3467	2423	1226	257	216	207	217	254	1151	2381	3511	3144	2028	839	377	336	313	309
70	2815	3276	1603	523	163	146	142	148	161	455	1616	3270	2929	1394	339	229	211	196	196
75	1577	1901	865	171	95.6	89.2	85.8	91.1	98.7	157	878	1875	1787	501	155	115	109	102	100
80	224	420	228	58.2	43.3	42.0	39.7	43.5	46.6	63.2	220	477	413	102	59.0	44.8	44.5	42.8	41.2
85	19.8	31.3	25.8	12.5	9.66	9.65	8.56	10.4	11.5	15.6	28.2	45.1	35.5	20.1	13.5	10.3	10.2	9.09	8.40
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:2024-12-11

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:219.2V I:0.2334A P:50.66W PF:0.9899 Freq:50.01Hz Lamp Flux:7451.69x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-50WILE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	2009	2009	2009	2009	2009													
5	1924	1936	1952	1975	1998													
10	1823	1853	1896	1951	2007													
15	1702	1761	1844	1942	2039													
20	1548	1649	1787	1941	2083													
25	1354	1505	1716	1945	2128													
30	1142	1327	1620	1942	2167													
35	942	1135	1497	1928	2200													
40	781	928	1335	1887	2228													
45	682	774	1125	1811	2242													
50	582	665	861	1692	2252													
55	496	539	669	1502	2233													
60	413	443	501	1214	2151													
65	307	324	360	694	1845													
70	192	201	211	299	1192													
75	98.9	101	98.7	126	258													
80	41.6	41.4	38.9	46.3	65.1													
85	8.04	8.40	7.69	9.16	12.1													
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:yanyonggeng

Test Date:2024-12-11

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: