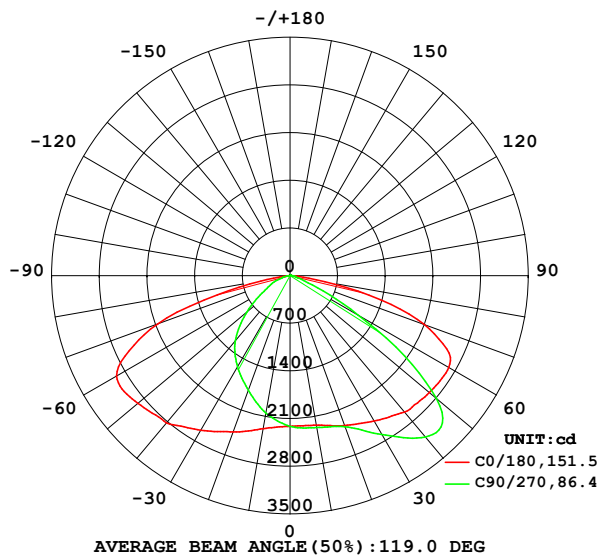
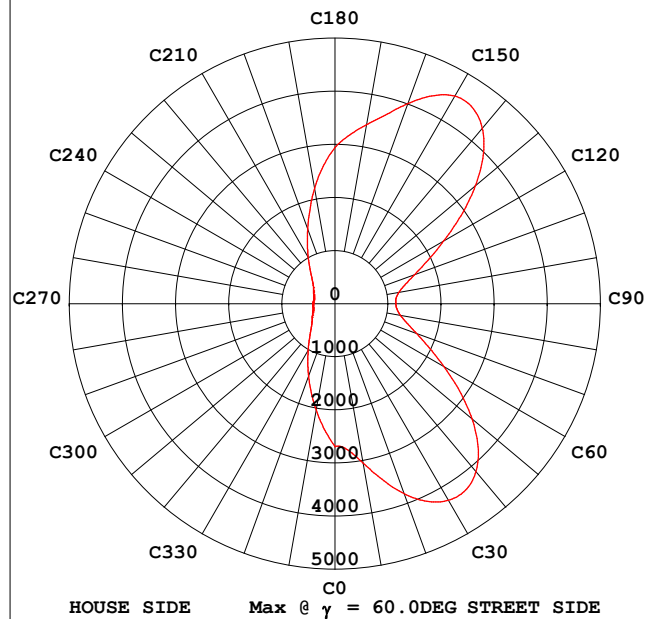


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.32 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	4518	η street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	65.4
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	9114	η house_up (%)	0.0
NOMINAL FLUX (lm)	9113.76	MAXIMUM @ (C, γ )	150, 60.0	η house_down (%)	34.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m <sup>2</sup> )	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	20.538

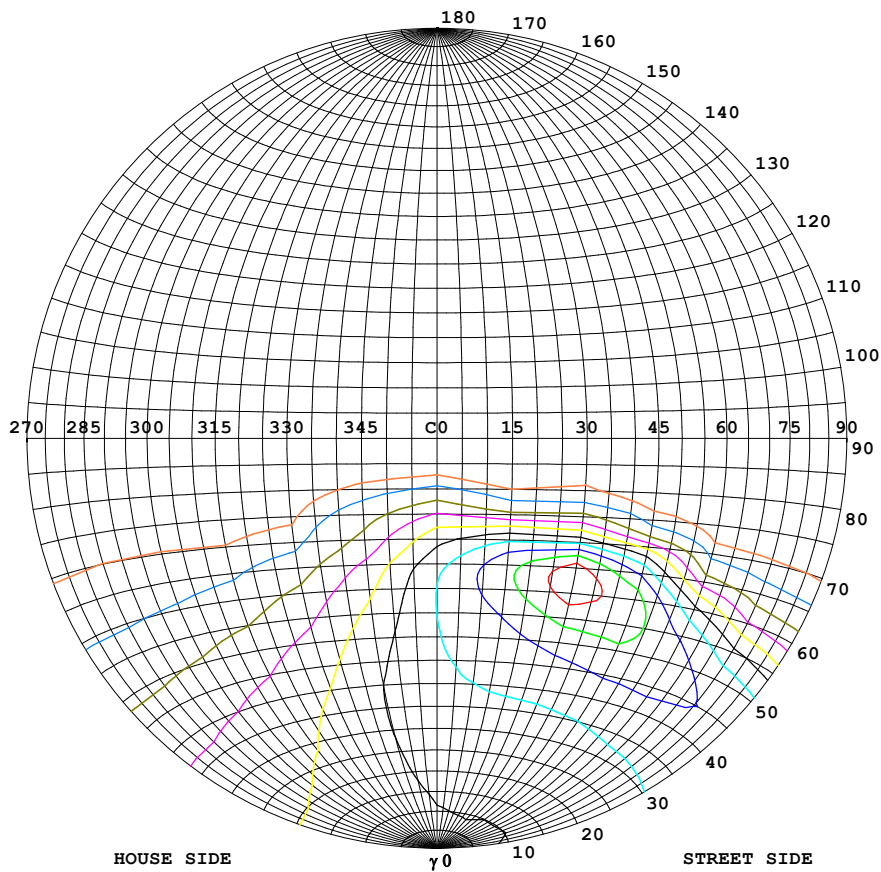
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-13

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:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:



## Classification:

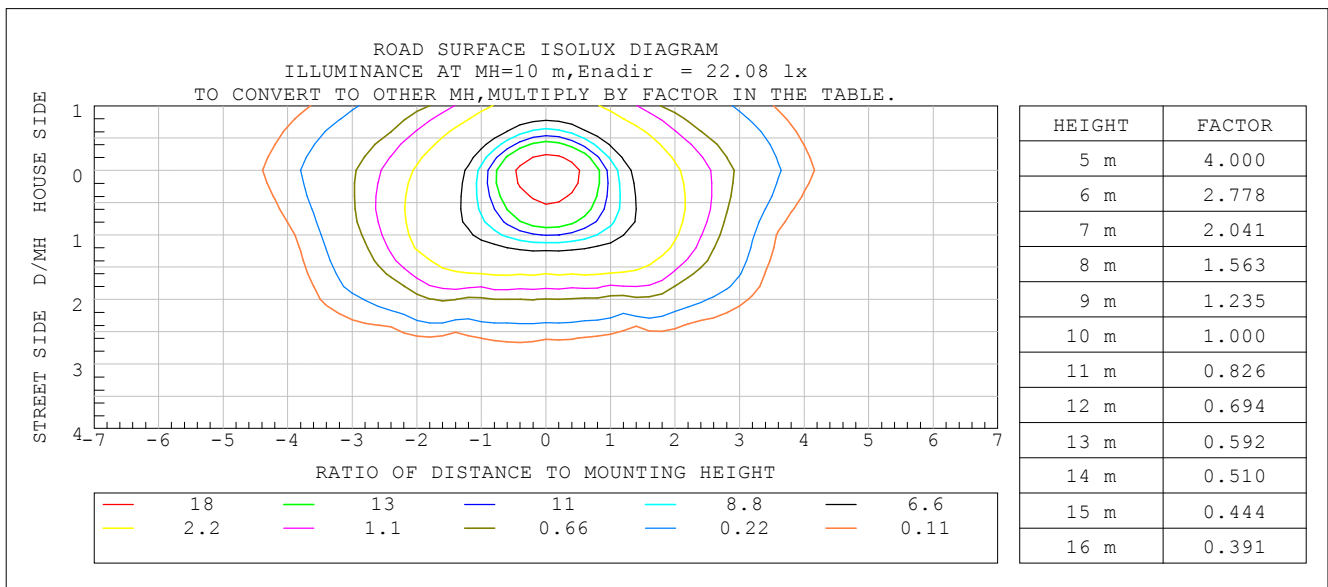
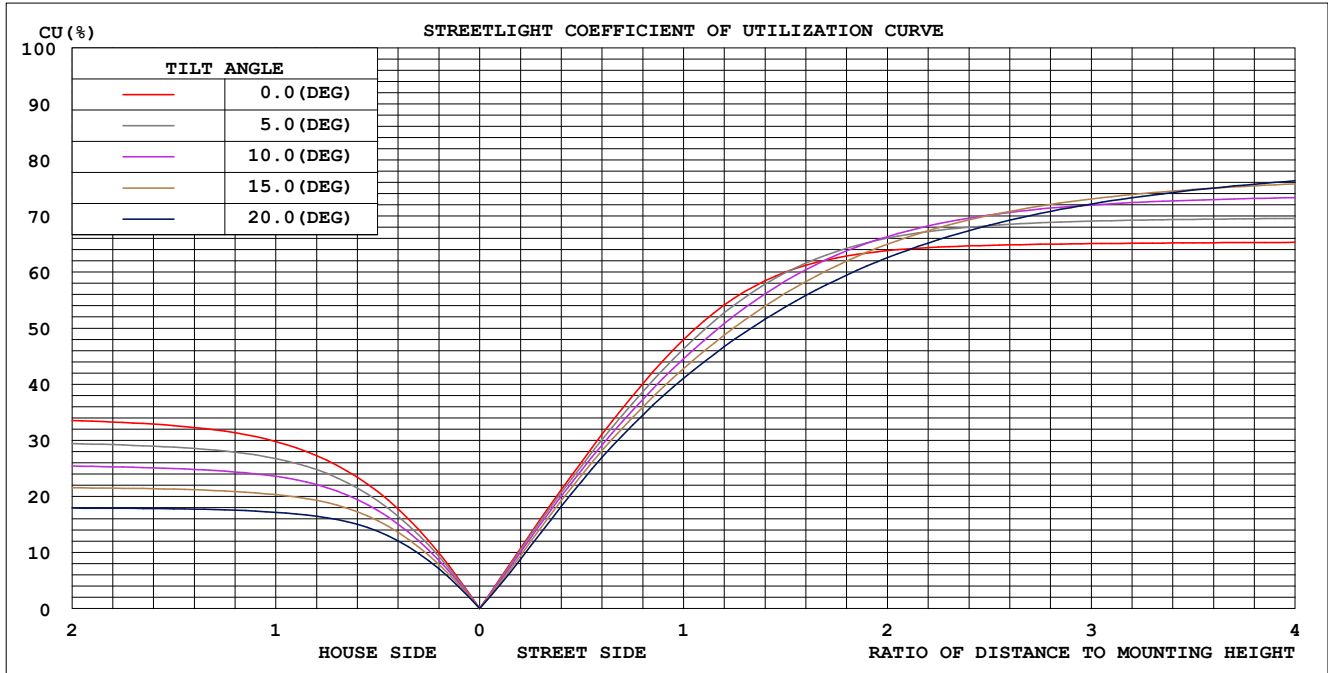
IES:Type II - Short  
CIE:Average - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:57.50cd/klm  
Max.At90:0cd/klm  
Max.80-90:57.50cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	4518
90%	4066
80%	3614
70%	3163
60%	2711
50%	2259
40%	1807
30%	1355
20%	904
10%	452
5%	226

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

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: 2024-9-13

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:

### ZONAL FLUX DIAGRAM

Test:U:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

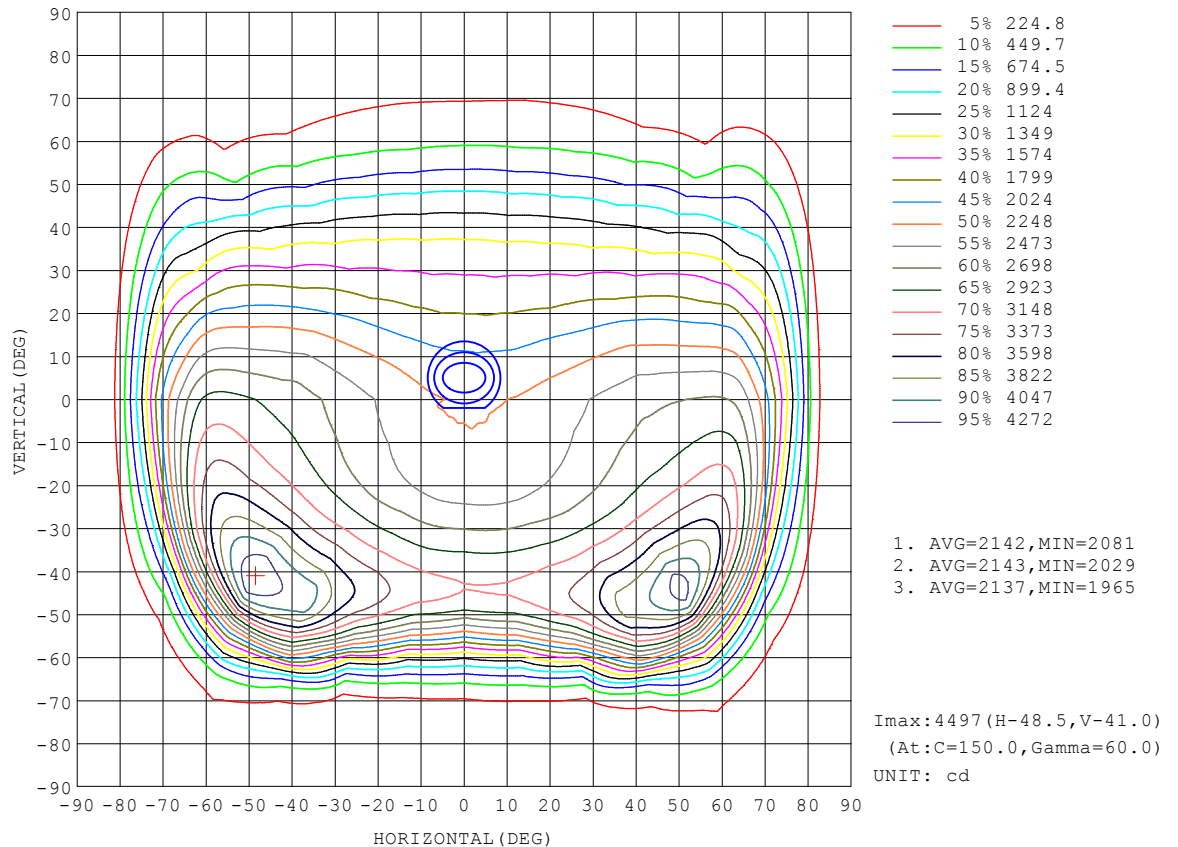
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	2231	2257	2265	2300	2281	2138	2051	2109	0- 10	210.7	210.7	2.31,2.31
20	2341	2343	2362	2444	2443	2028	1795	1972	10- 20	625.9	836.6	9.18,9.18
30	2467	2547	2692	2687	2622	1833	1545	1779	20- 30	1037	1873	20.6,20.6
40	2617	2927	3092	3167	2823	1557	1254	1514	30- 40	1455	3328	36.5,36.5
50	2669	3517	2804	3853	2917	1169	826.0	1159	40- 50	1830	5158	56.6,56.6
60	2693	3815	1148	3950	2941	599.1	418.0	632.6	50- 60	1960	7118	78.1,78.1
70	2095	1644	210.7	1223	2062	204.0	203.0	233.9	60- 70	1477	8595	94.3,94.3
80	524.0	116.7	66.42	93.24	343.7	45.53	30.35	65.40	70- 80	469.7	9064	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	49.43	9114	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9114	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9114	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9114	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9114	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9114	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9114	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9114	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9114	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9114	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:2024-9-13

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:

## ISOCANDELA DIAGRAM

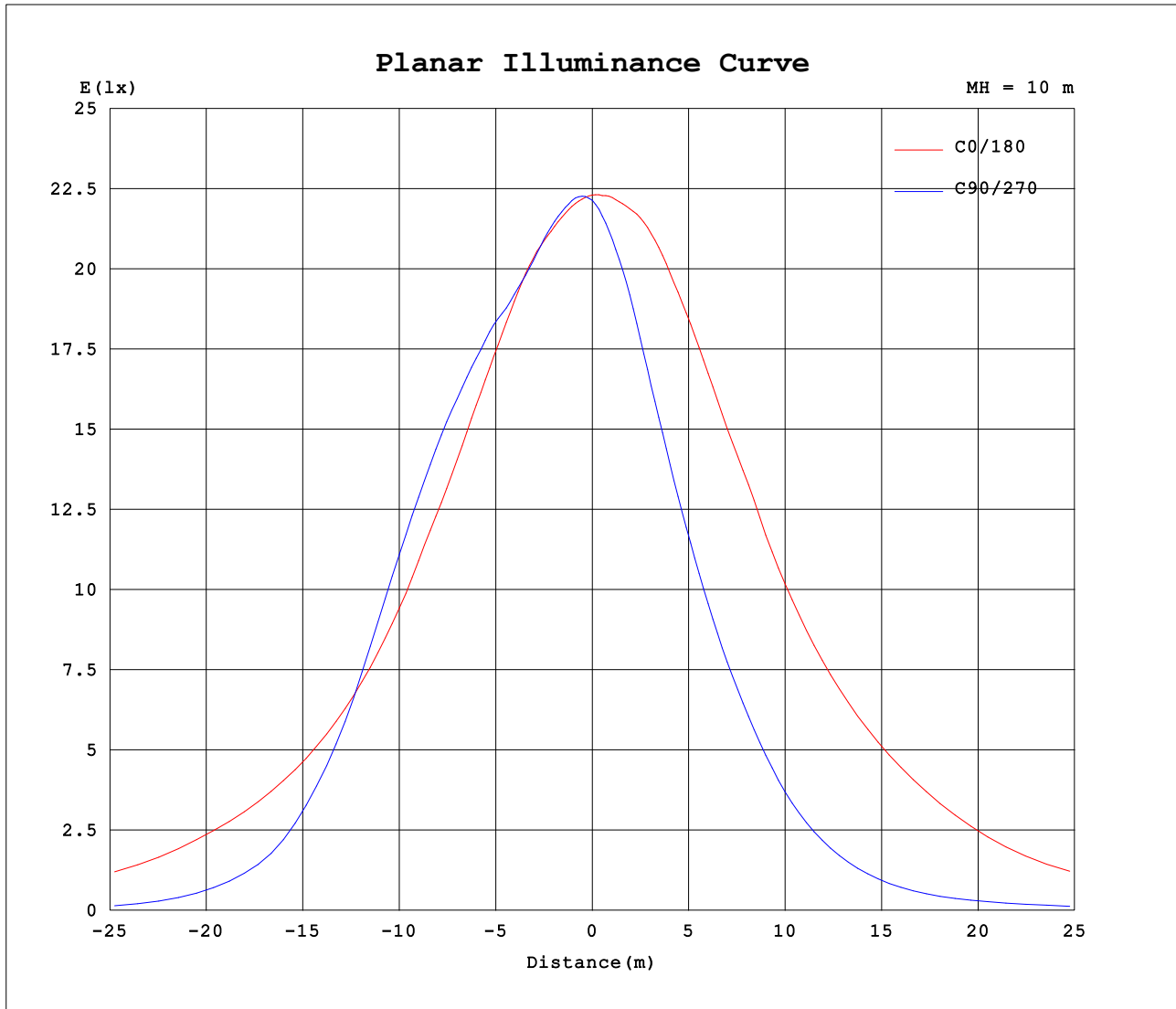
Test:U:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

$\gamma$  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



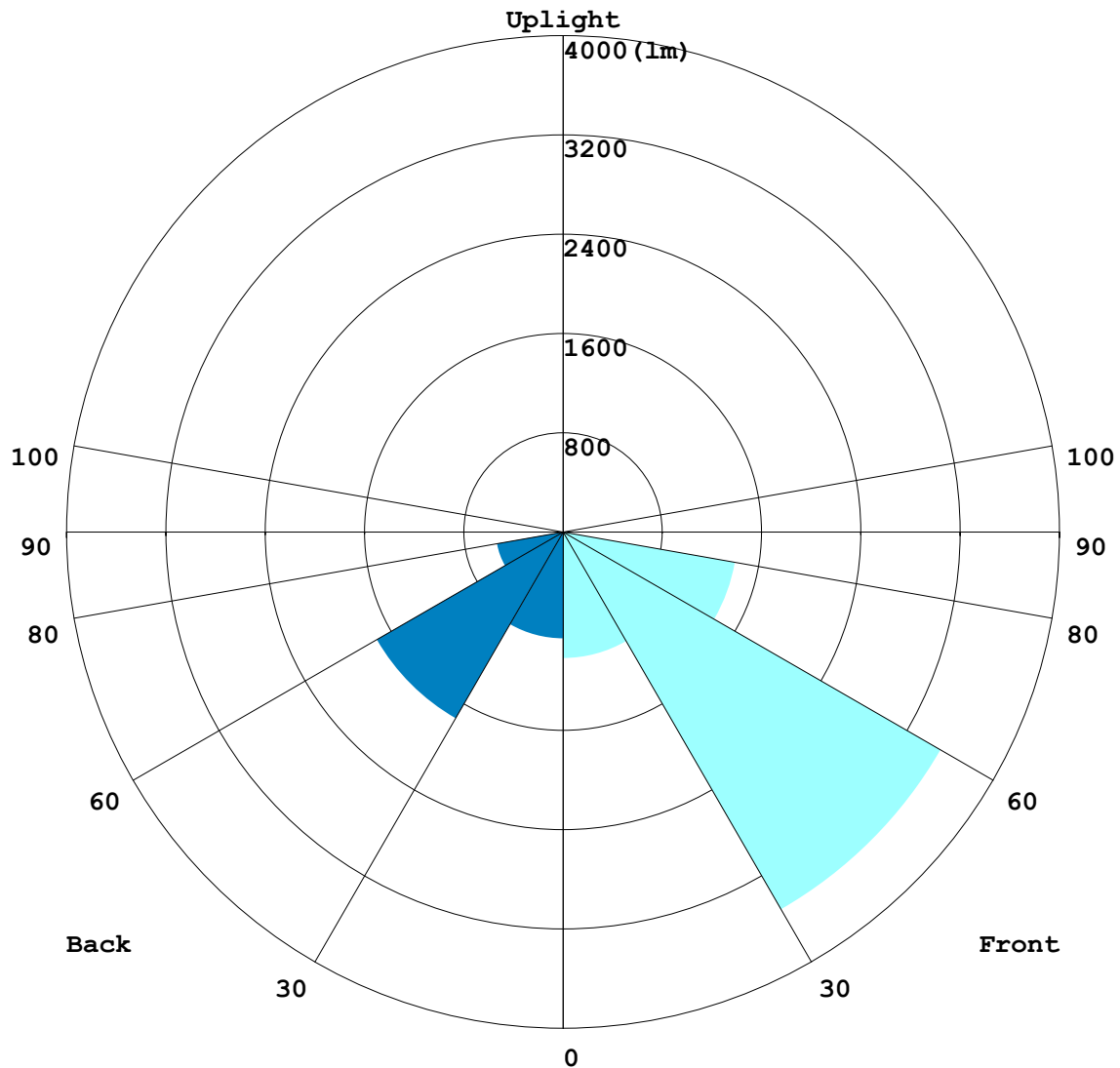
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: yanyonggeng  
 Test Date: 2024-9-13

$\gamma$  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:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	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:2024-9-13

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:

### BUG REPORT

Test:U:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1016	11.1
FM - Front-Medium(30-60)	3512.2	38.5
FH - Front-High(60-80)	1405.4	15.4
FVH - Front-Very High(80-90)	29.57	0.3
Total Forward Light	5963.2	65.4

BL - Back-Low(0-30)	857.05	9.4
BM - Back-Medium(30-60)	1732.7	19.0
BH - Back-High(60-80)	540.97	5.9
BVH - Back-Very High(80-90)	19.857	0.2
Total Back Light	3150.6	34.6

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3150.6	0	3150.6
Street Side	5963.2	0	5963.2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-9-13

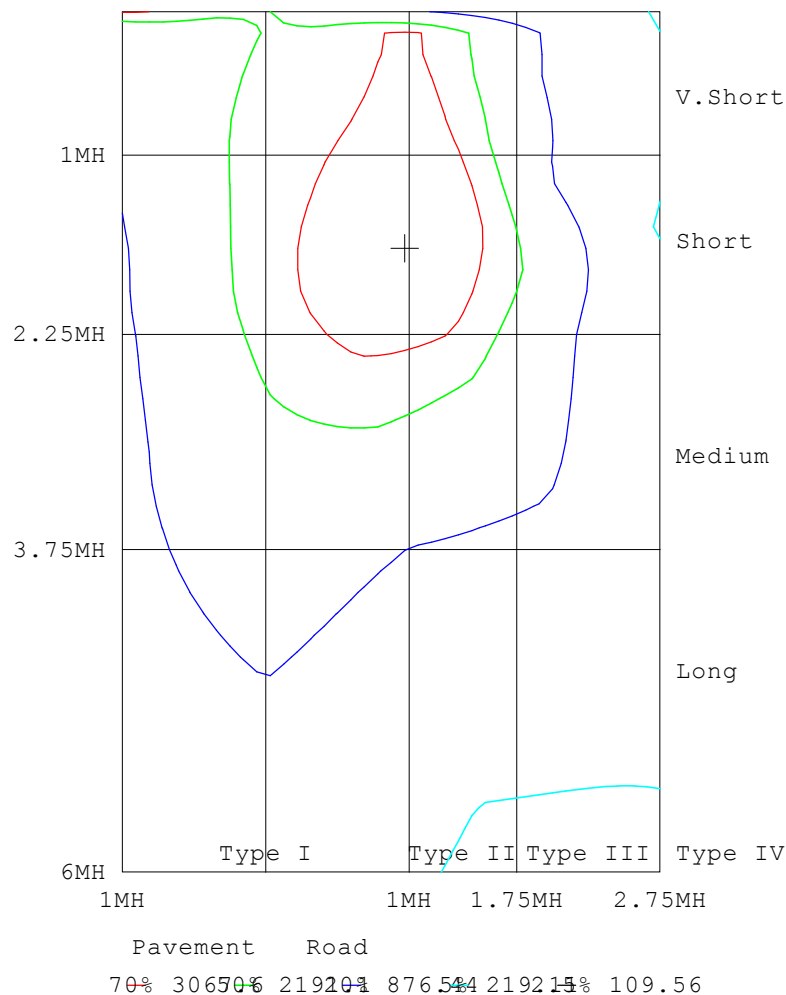
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-9-13

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:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street LightWEIGHT: 3.4kg	
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	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	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213	2213
5	2212	2222	2233	2238	2241	2243	2247	2251	2253	2255	2253	2248	2235	2219	2200	2178	2162	2147	2143
10	2231	2250	2257	2257	2258	2260	2265	2276	2289	2300	2307	2303	2281	2242	2192	2138	2096	2062	2051
15	2281	2302	2297	2287	2292	2292	2297	2314	2330	2358	2388	2393	2362	2292	2195	2093	2005	1943	1925
20	2341	2374	2368	2343	2336	2344	2362	2379	2396	2444	2477	2485	2443	2331	2190	2028	1898	1817	1795
25	2398	2438	2438	2426	2430	2466	2501	2509	2530	2545	2566	2578	2526	2368	2158	1936	1786	1694	1668
30	2467	2519	2516	2547	2603	2653	2692	2701	2717	2687	2680	2693	2622	2399	2110	1833	1667	1571	1545
35	2537	2616	2637	2704	2800	2857	2903	2908	2932	2907	2856	2823	2712	2424	2033	1707	1532	1435	1409
40	2617	2725	2799	2927	3020	3062	3092	3125	3172	3167	3049	2961	2823	2403	1916	1557	1381	1283	1254
45	2645	2836	3017	3198	3233	3168	3138	3243	3421	3478	3325	3104	2857	2336	1755	1382	1198	1076	1046
50	2669	2972	3327	3517	3338	2983	2804	3030	3516	3853	3713	3285	2917	2224	1554	1169	949	844	826
55	2691	3173	3768	3833	3086	2369	2058	2386	3175	4162	4192	3522	2971	2067	1308	882	700	614	606
60	2693	3422	4272	3815	2371	1400	1148	1362	2365	3950	4518	3675	2941	1833	1013	599	470	412	418
65	2538	3429	4227	3075	1143	677	541	628	1050	2911	3891	3354	2605	1427	639	357	302	298	311
70	2095	2615	2612	1644	364	264	211	222	292	1223	2089	2160	2062	1047	323	204	215	215	203
75	1372	1007	1051	336	141	134	110	128	131	276	683	598	1105	597	157	124	142	109	107
80	524	226	255	117	74.8	71.4	66.4	69.0	68.0	93.2	213	98.1	344	232	65.6	45.5	59.6	52.9	30.4
85	80.0	36.1	117	33.9	28.0	34.2	29.8	32.8	24.2	24.3	52.4	24.2	26.5	25.6	12.7	12.4	14.3	16.6	4.86
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:2024-9-13

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:219.31V I:0.2840A P:60.227W PF:0.9671 Freq:50.01Hz Lamp Flux:9113.76x1 lm		
NAME: AoK iLF	TYPE: series LED Street Light	WEIGHT: 3.4kg
SPEC.: AoK-60WiLF-NV-L2-00-4070-T201-P	DIM.: 550*215*100mm	SERIAL No.:
MFR.: AOK	SUR.: 150*100mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2213	2213	2213	2213	2213														
5	2142	2151	2162	2179	2196														
10	2054	2076	2109	2151	2195														
15	1934	1981	2048	2130	2215														
20	1807	1868	1972	2114	2244														
25	1683	1753	1882	2076	2260														
30	1559	1634	1779	2014	2276														
35	1424	1504	1657	1935	2284														
40	1275	1359	1514	1823	2270														
45	1070	1185	1353	1671	2195														
50	848	953	1159	1490	2087														
55	626	718	899	1274	1932														
60	428	496	633	1015	1736														
65	309	326	399	684	1461														
70	228	231	234	354	1037														
75	122	168	140	179	684														
80	77.4	97.1	65.4	82.9	295														
85	28.4	26.2	22.3	23.7	58.8														
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:2024-9-13

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: