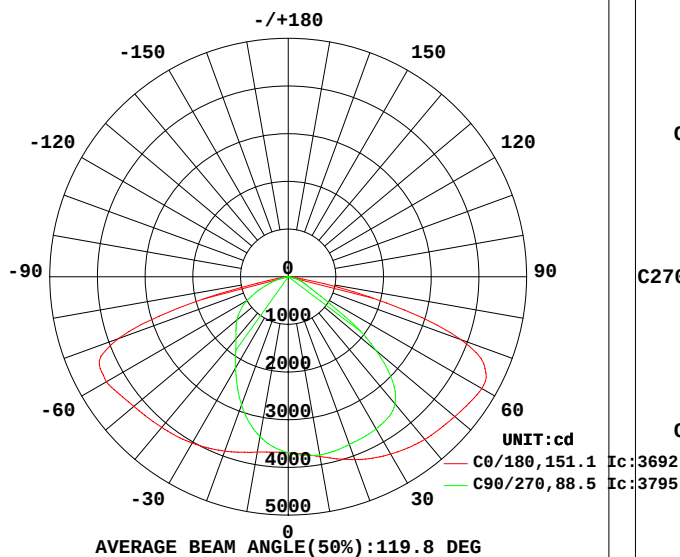
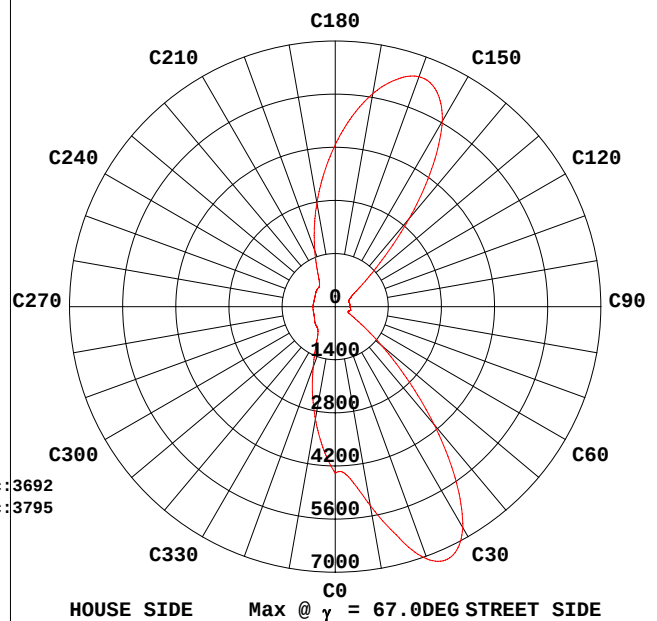


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.91 lm/W			
MODEL	3030	I _{max} (cd)	6724	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	62.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13879	η house_up(%)	0.0
NOMINAL FLUX(lm)	13879.4	MAXIMUM @(C,γ)	30,67.0	η house_down(%)	37.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.267

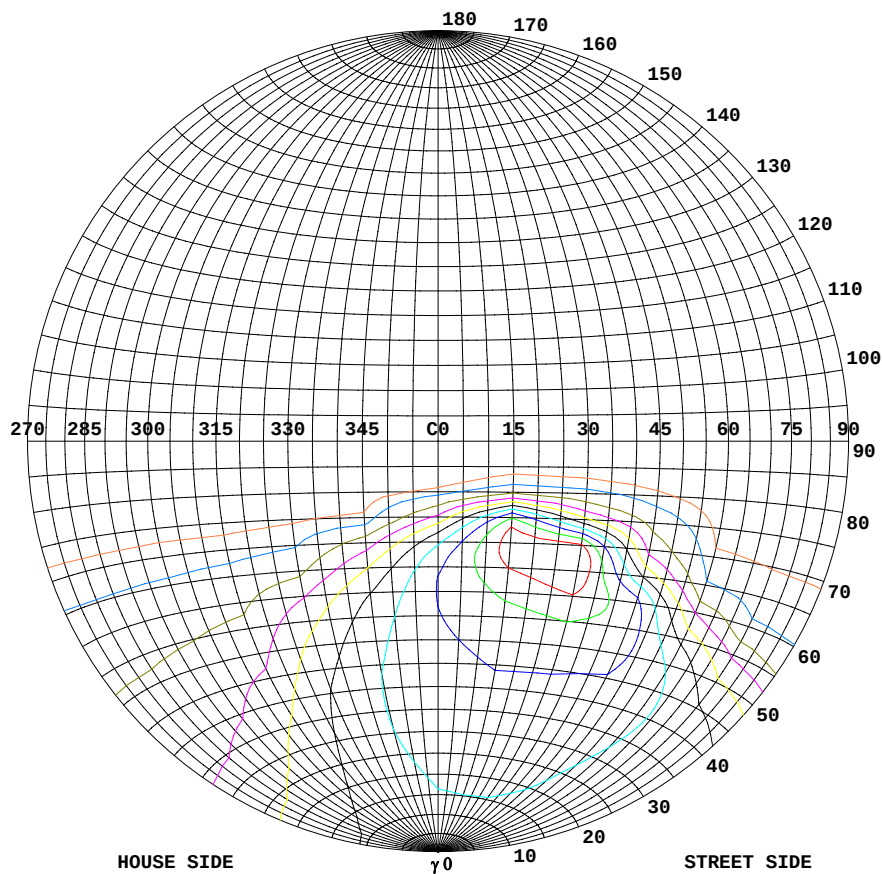
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2023-12-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



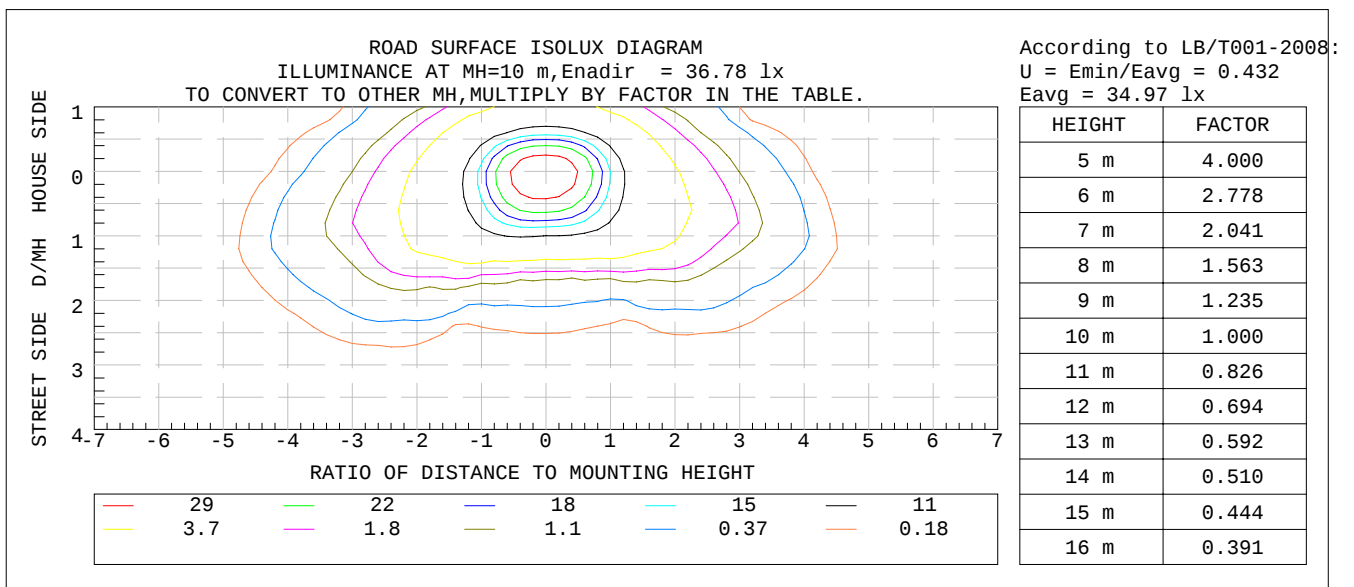
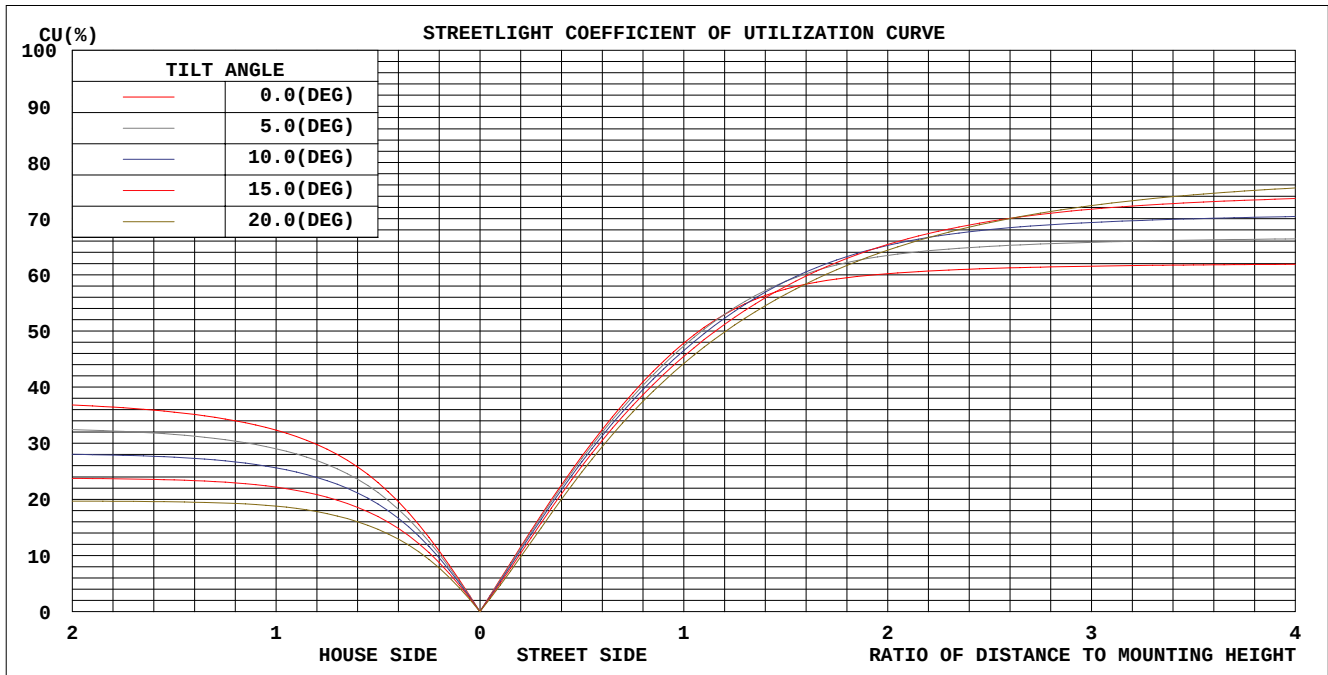
Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:87.67cd/klm
Max.At90:0cd/klm
Max.80-90:87.67cd/klm
NRB 5101:Non limited[33.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6724
90%	6052
80%	5379
70%	4707
60%	4034
50%	3362
40%	2690
30%	2017
20%	1345
10%	672
5%	336

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-12-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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: 2023-12-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

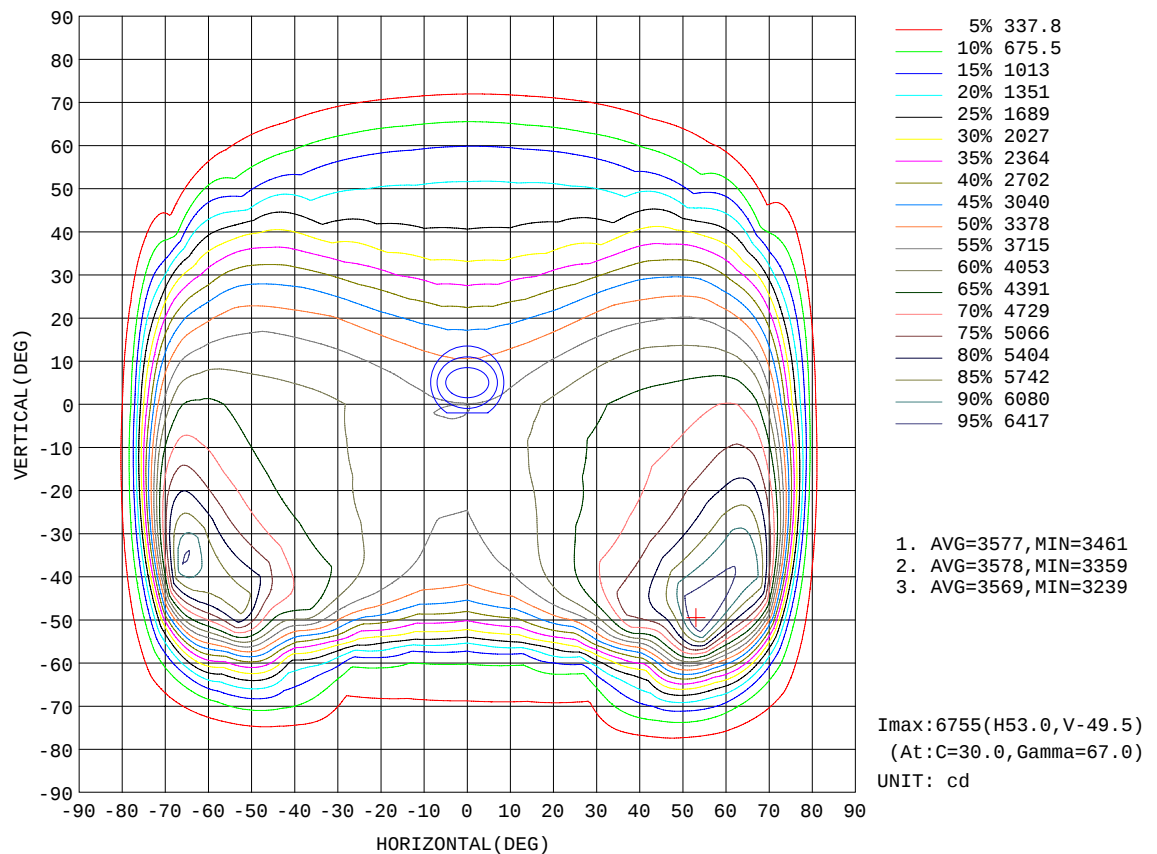
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3830	3858	3794	3794	3734	3536	3405	3585	0- 10	352.5	352.5	2.54,2.54
20	4082	4034	3745	3885	3893	3337	2864	3387	10- 20	1042	1395	10,10
30	4294	4206	3685	3973	4027	2994	2211	3037	20- 30	1669	3064	22.1,22.1
40	4453	4468	3482	4167	4126	2510	1711	2520	30- 40	2197	5261	37.9,37.9
50	4561	4895	2398	4495	4228	1793	1406	1819	40- 50	2581	7842	56.5,56.5
60	4686	4881	697.1	3875	4405	1145	1004	1204	50- 60	2646	10488	75.6,75.6
70	3857	1852	308.7	1317	3787	443.7	429.6	485.7	60- 70	2239	12727	91.7,91.7
80	452.6	411.9	82.68	256.8	329.0	75.07	99.64	98.15	70- 80	1073	13801	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	78.69	13879	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13879	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13879	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13879	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13879	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13879	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13879	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13879	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13879	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13879	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:2023-12-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

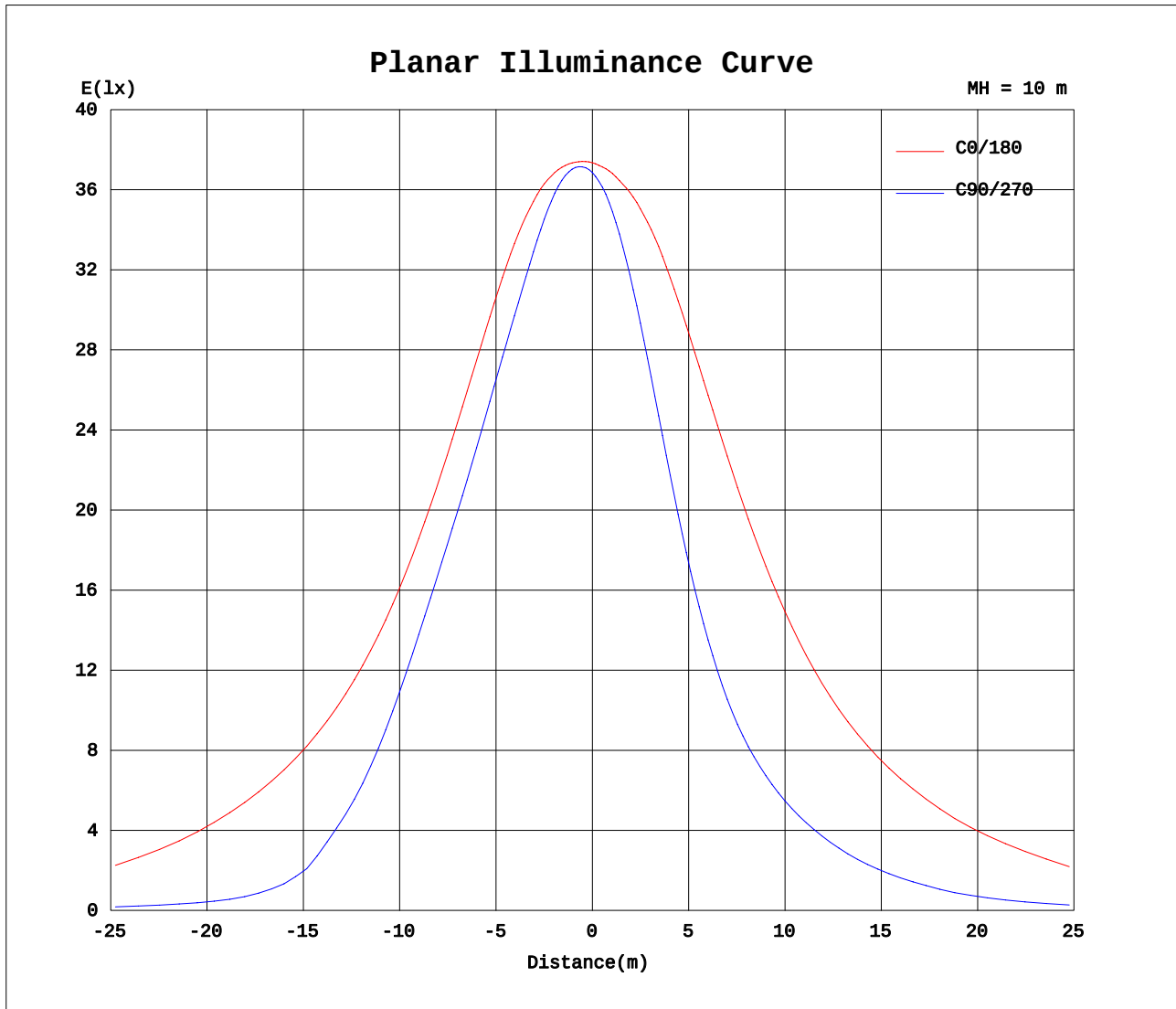
Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-12-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



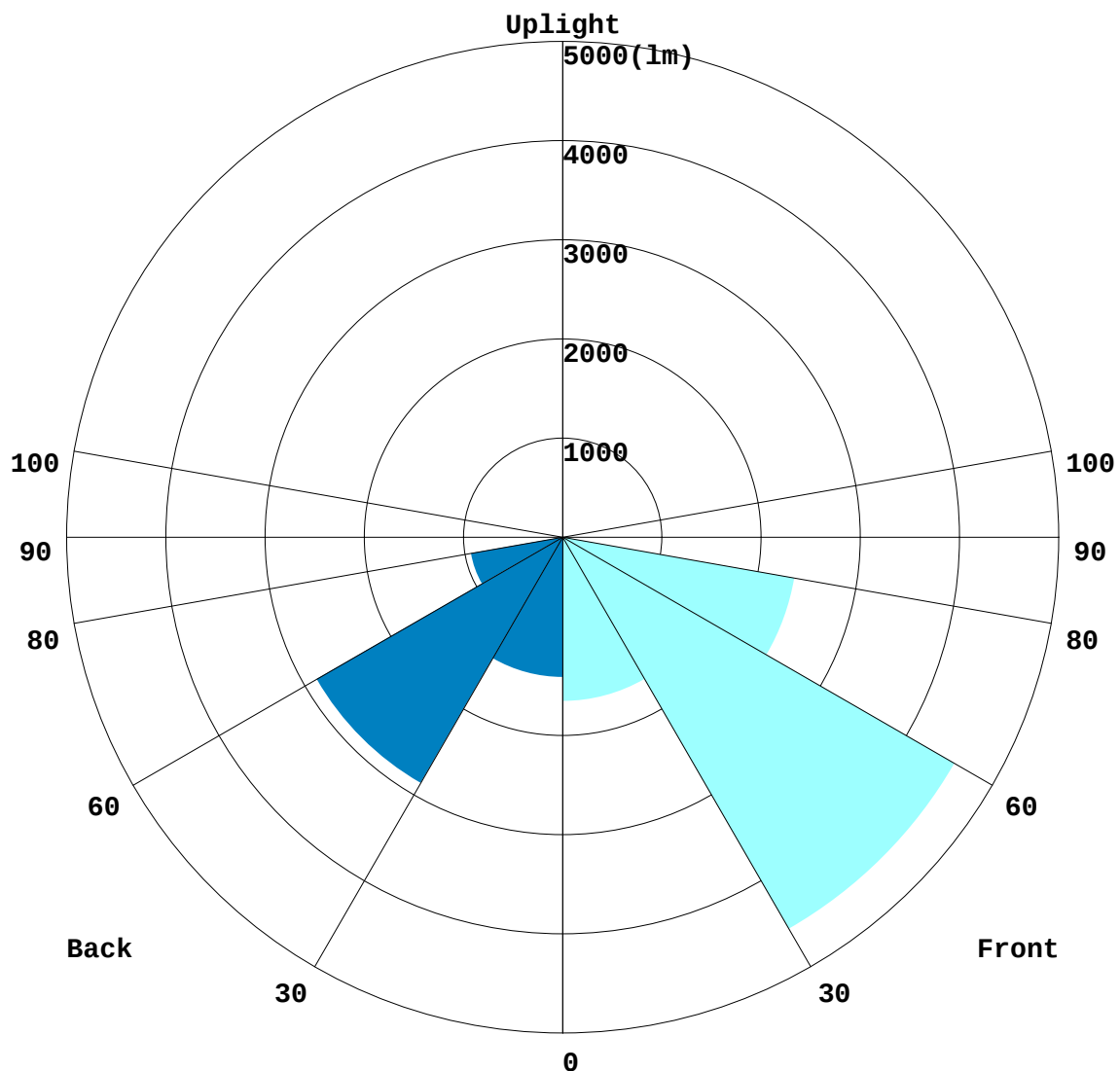
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2023-12-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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:2023-12-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1652.5	11.9
FM - Front-Medium(30-60)	4561.4	32.9
FH - Front-High(60-80)	2373.1	17.1
FVH - Front-Very High(80-90)	58.551	0.4
Total Forward Light	8645.6	62.3

BL - Back-Low(0-30)	1411	10.2
BM - Back-Medium(30-60)	2863.5	20.6
BH - Back-High(60-80)	939.14	6.8
BVH - Back-Very High(80-90)	20.135	0.1
Total Back Light	5233.8	37.7

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	B3-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5233.8	0	5233.8
Street Side	8645.6	0	8645.6

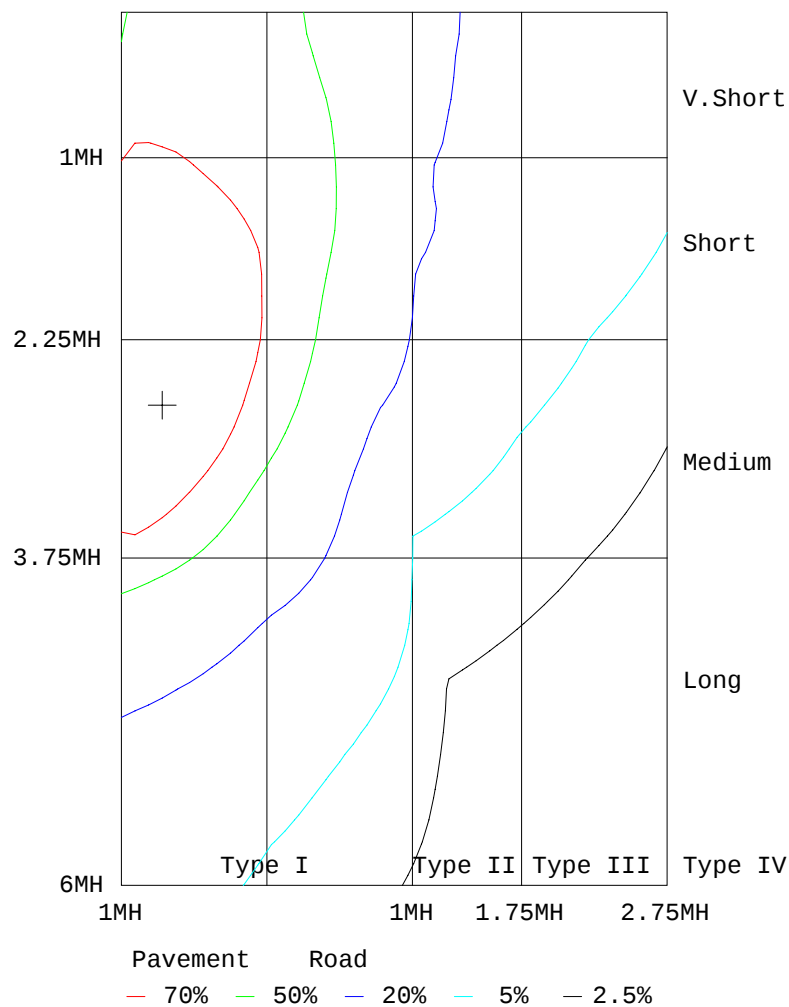
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-12-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-12-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692	3692
5	3737	3754	3765	3769	3769	3767	3760	3756	3748	3738	3729	3714	3694	3672	3644	3618	3595	3580	3581
10	3830	3861	3871	3858	3834	3813	3794	3791	3791	3794	3786	3767	3734	3686	3614	3536	3467	3415	3405
15	3954	3997	3998	3950	3877	3818	3781	3783	3806	3841	3868	3852	3809	3732	3600	3445	3303	3190	3165
20	4082	4138	4124	4034	3907	3801	3745	3756	3805	3885	3941	3946	3893	3782	3586	3337	3096	2914	2864
25	4198	4271	4243	4114	3939	3791	3719	3736	3814	3922	4006	4022	3964	3818	3546	3181	2843	2598	2533
30	4294	4381	4343	4206	3993	3785	3685	3719	3842	3973	4065	4097	4027	3842	3483	2994	2562	2285	2211
35	4381	4481	4439	4326	4060	3767	3627	3690	3883	4055	4141	4173	4082	3846	3393	2775	2274	1990	1922
40	4453	4586	4556	4468	4134	3696	3482	3602	3924	4167	4235	4245	4126	3823	3252	2510	1967	1753	1711
45	4505	4699	4717	4661	4151	3430	3094	3307	3880	4329	4370	4333	4173	3774	3055	2193	1723	1580	1550
50	4561	4851	4961	4895	3932	2804	2398	2653	3572	4495	4597	4477	4228	3677	2794	1793	1517	1418	1406
55	4627	5097	5367	5104	3146	1922	1449	1796	2694	4553	4990	4727	4312	3500	2424	1457	1299	1223	1225
60	4686	5484	5981	4881	1999	818	697	757	1560	3875	5541	5106	4405	3140	1893	1145	1059	1003	1004
65	4554	6009	6621	3304	748	461	438	444	605	2342	5900	5824	4372	2487	1119	808	736	697	706
70	3857	6342	6122	1852	391	327	309	312	350	1317	4360	6537	3787	1485	568	444	432	418	430
75	2135	5300	2848	1106	228	201	190	188	200	792	1845	4585	2011	322	248	192	214	218	229
80	453	1217	900	412	107	94.5	82.7	83.8	86.8	257	519	874	329	102	81.5	75.1	88.3	97.8	99.6
85	57.1	140	139	72.2	24.2	21.0	16.0	16.3	16.2	31.4	72.0	61.6	25.4	18.2	18.5	16.0	19.1	19.9	21.1
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:2023-12-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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:0.4572A P:97.12W PF:0.9687 Freq:60.01Hz Lamp Flux:13879.4x1 lm		
NAME: AoK iLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WiLA-NV-L3-00-3070-T201-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	3692	3692	3692	3692	3692													
5	3592	3615	3642	3676	3709													
10	3429	3498	3585	3680	3767													
15	3208	3336	3504	3689	3849													
20	2926	3124	3387	3684	3931													
25	2604	2858	3229	3658	4005													
30	2283	2570	3037	3614	4057													
35	1987	2271	2808	3540	4087													
40	1759	1974	2520	3413	4088													
45	1595	1748	2171	3205	4034													
50	1440	1559	1819	2925	3924													
55	1249	1337	1509	2526	3733													
60	1019	1092	1204	1985	3365													
65	707	761	858	1191	2701													
70	430	457	486	634	1677													
75	231	245	241	300	421													
80	107	109	98.2	113	147													
85	24.7	28.9	28.9	34.6	39.3													
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:2023-12-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: