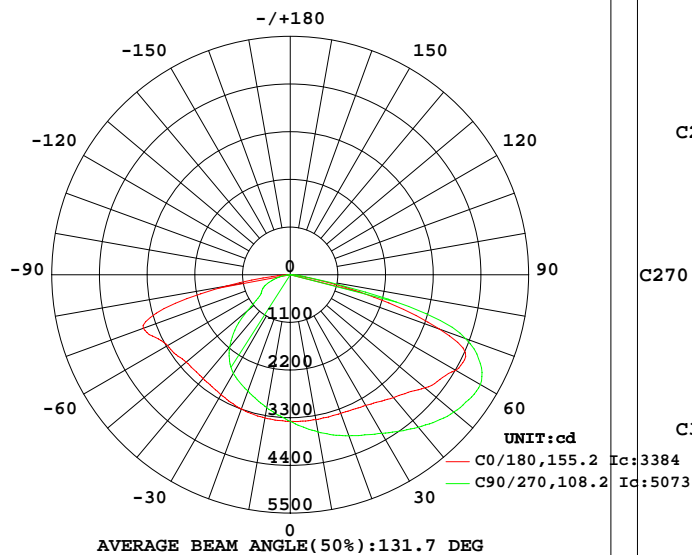
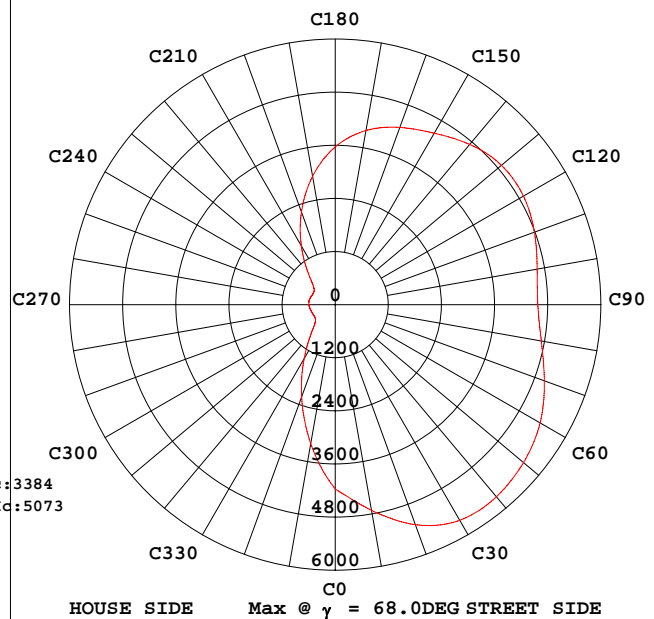


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 175.41 lm/W			
MODEL	2835	Imax(cd)	5624	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	68.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	16473	η house_up(%)	0.0
NOMINAL FLUX(lm)	16473.4	MAXIMUM @(C, γ)	30,68.0	η house_down(%)	31.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.511

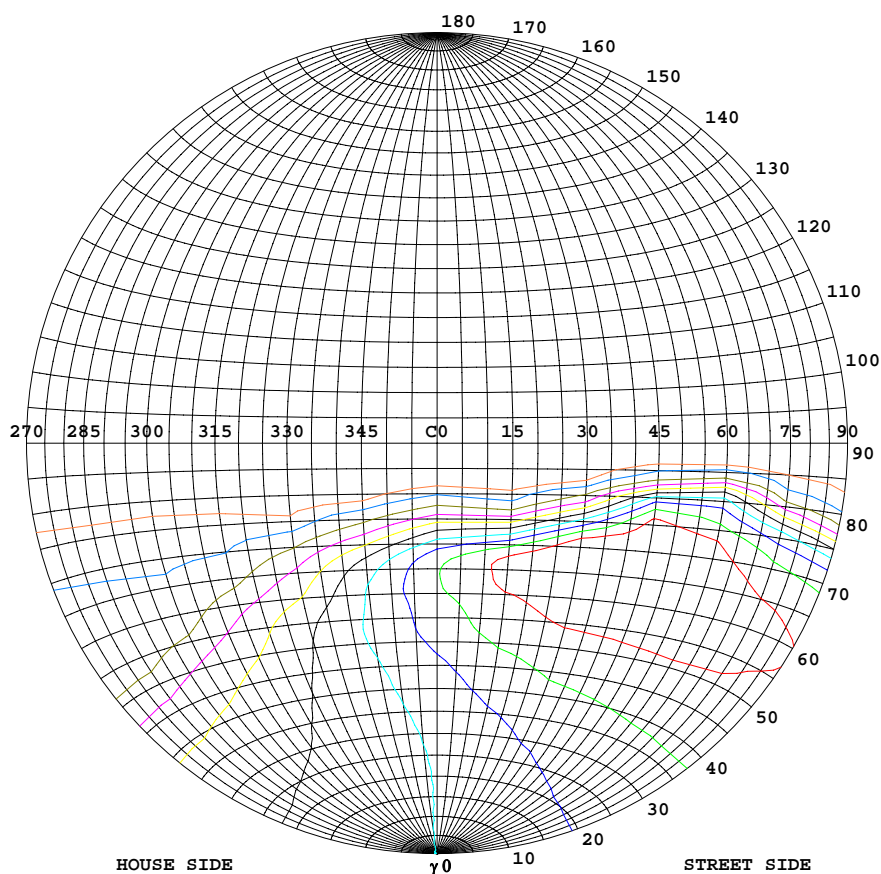
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-2

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:219.2V I:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



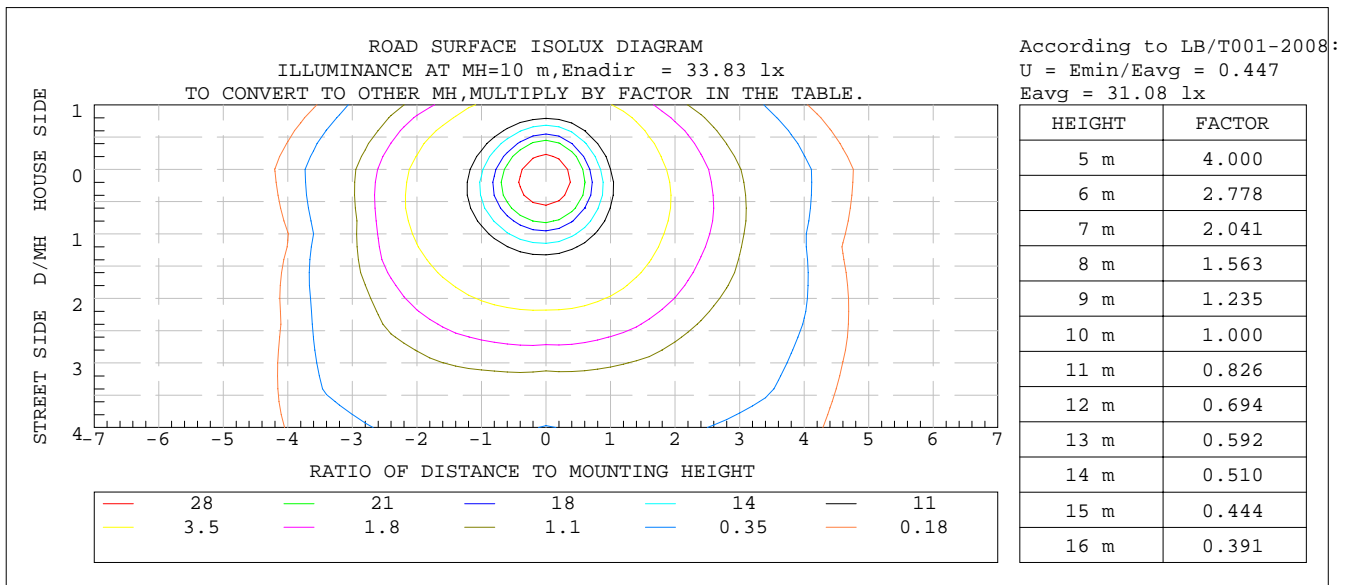
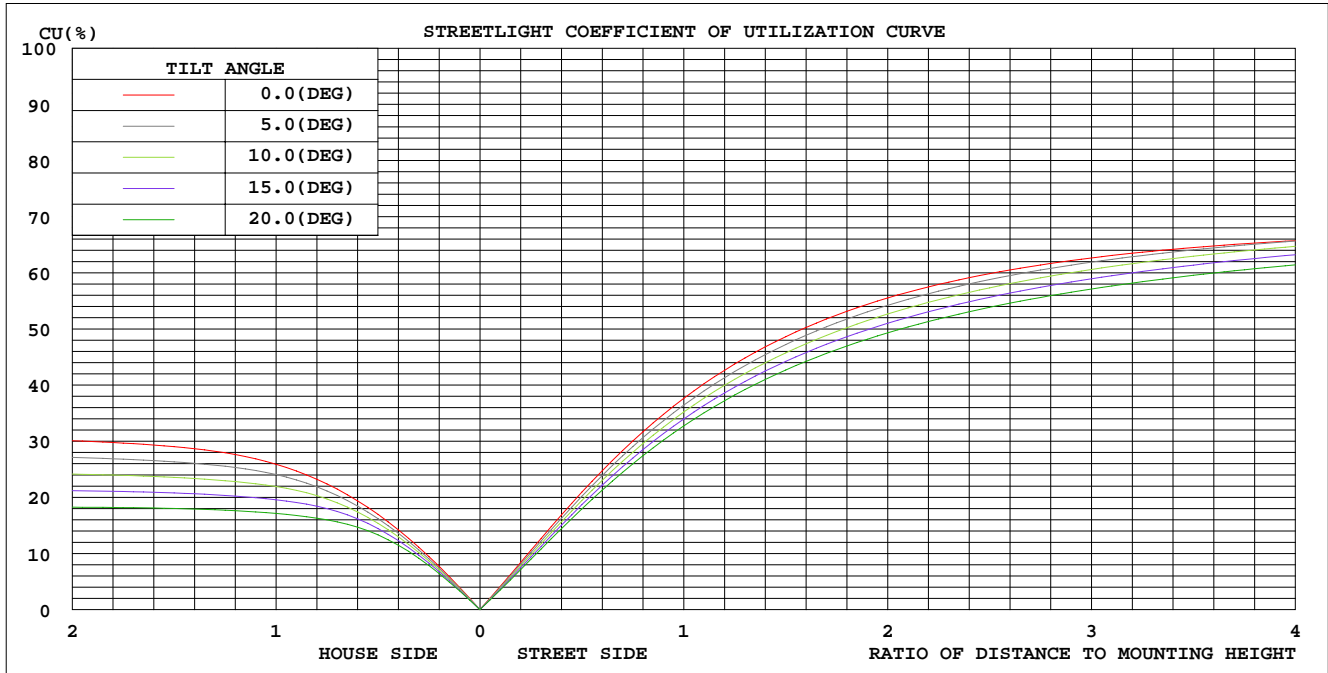
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:None cut-off
CIE:Non-cut-off
Max.At80:247.7cd/klm
Max.At90:0cd/klm
Max.80-90:247.7cd/klm
NRB 5101:Semi limited[24.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5624
90%	5062
80%	4500
70%	3937
60%	3375
50%	2812
40%	2250
30%	1687
20%	1125
10%	562
5%	281

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-2

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:

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: 2024-12-2

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:219.2V I:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

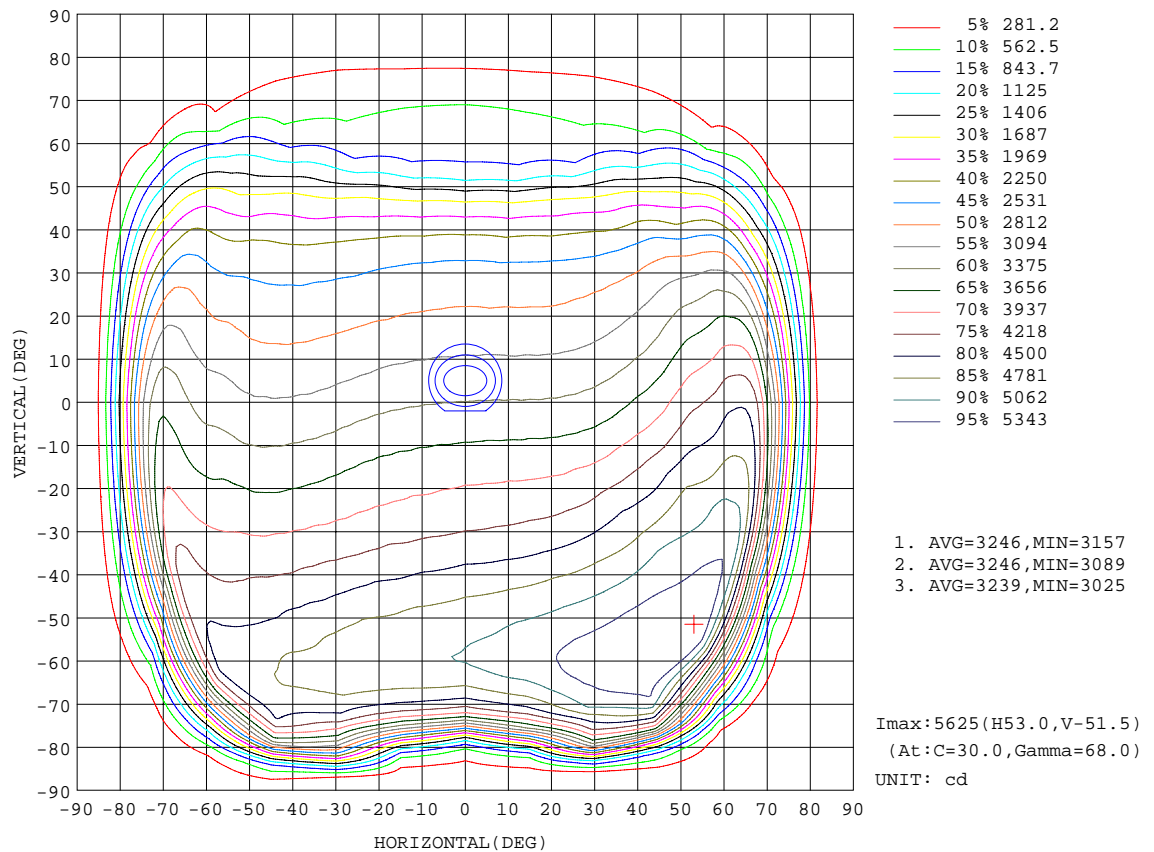
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	3394	3611	3681	3576	3357	3177	3118	3201	0- 10	323.1	323.1	1.96,1.96
20	3406	3834	3955	3749	3294	2956	2855	2996	10- 20	958.9	1282	7.78,7.78
30	3482	4103	4224	3891	3197	2726	2627	2819	20- 30	1564	2846	17.3,17.3
40	3704	4464	4596	4063	3125	2491	2175	2628	30- 40	2131	4977	30.2,30.2
50	4057	4946	4926	4321	3139	2098	1283	2228	40- 50	2633	7611	46.2,46.2
60	4408	5429	5068	4627	3268	1523	758.8	1502	50- 60	2997	10607	64.4,64.4
70	3657	5592	4300	4825	3608	631.9	527.0	551.1	60- 70	3160	13768	83.6,83.6
80	520.4	3551	629.2	4081	1488	248.8	185.1	186.1	70- 80	2293	16061	97.5,97.5
90	0	0	0	0	0	0	0	0	80- 90	412.8	16473	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16473	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16473	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16473	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16473	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16473	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16473	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16473	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16473	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16473	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:2024-12-2

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

ISOCANDELA DIAGRAM

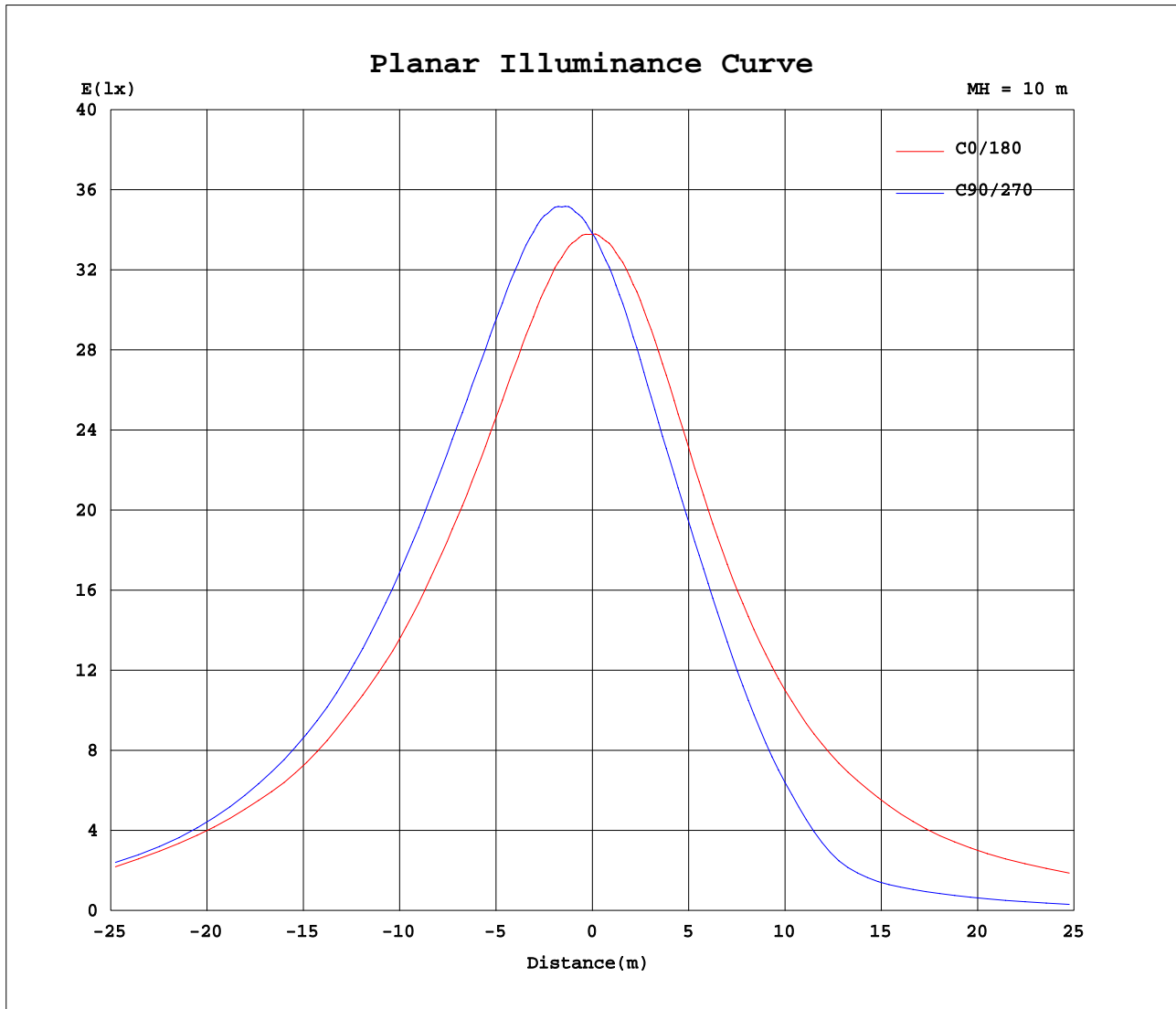
Test:U:219.2V I:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-2

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



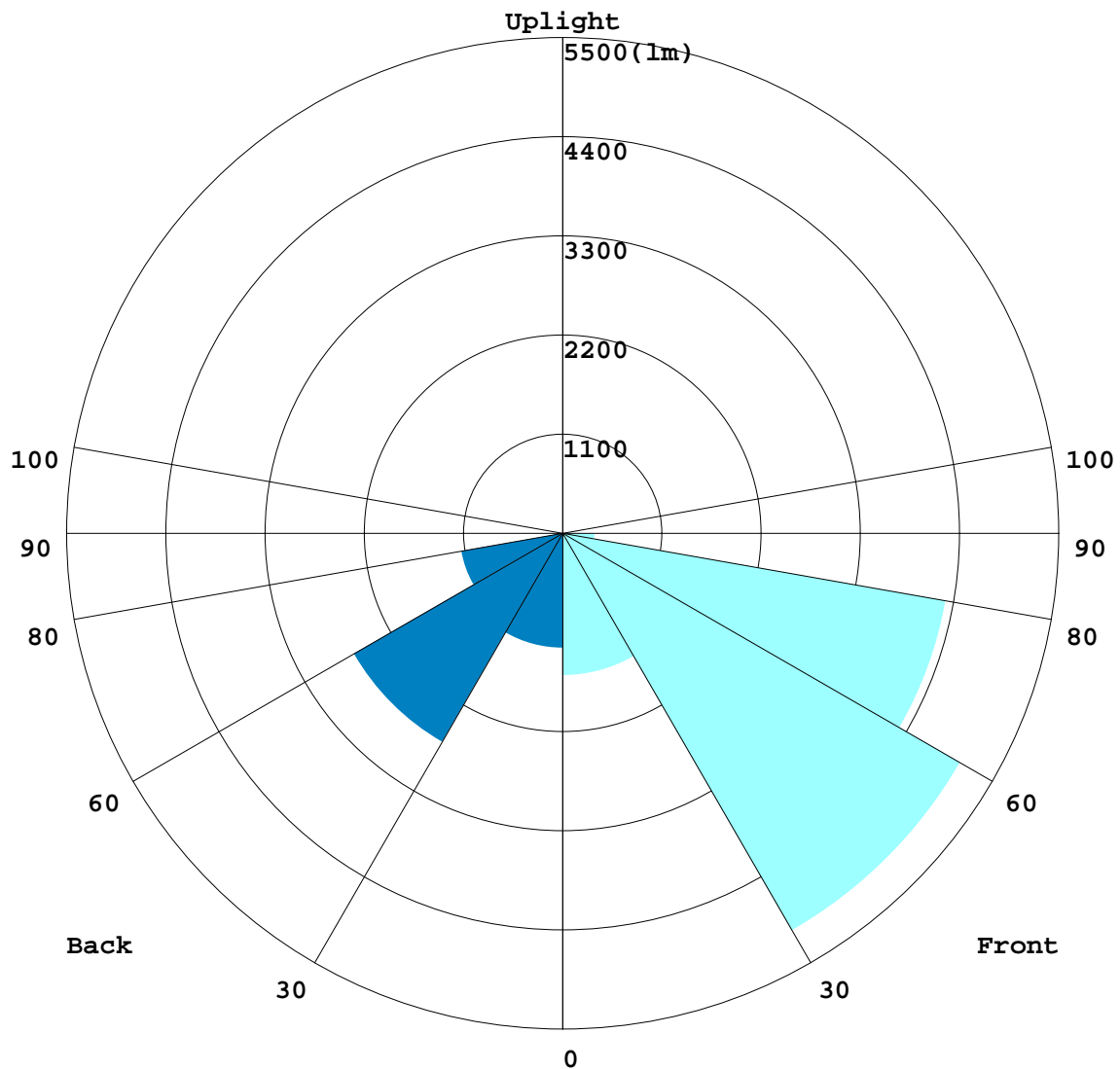
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-12-2

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:

LCS REPORT

Test:U:219.2V I:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	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:2024-12-2

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:219.2V I:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1574.8	9.6
FM - Front-Medium(30-60)	5088	30.9
FH - Front-High(60-80)	4312.5	26.2
FVH - Front-Very High(80-90)	353.27	2.1
Total Forward Light	11329	68.8

BL - Back-Low(0-30)	1271.1	7.7
BM - Back-Medium(30-60)	2673.1	16.2
BH - Back-High(60-80)	1141	6.9
BVH - Back-Very High(80-90)	59.548	0.4
Total Back Light	5144.8	31.2

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-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5144.8	0	5144.8
Street Side	11329	0	11329

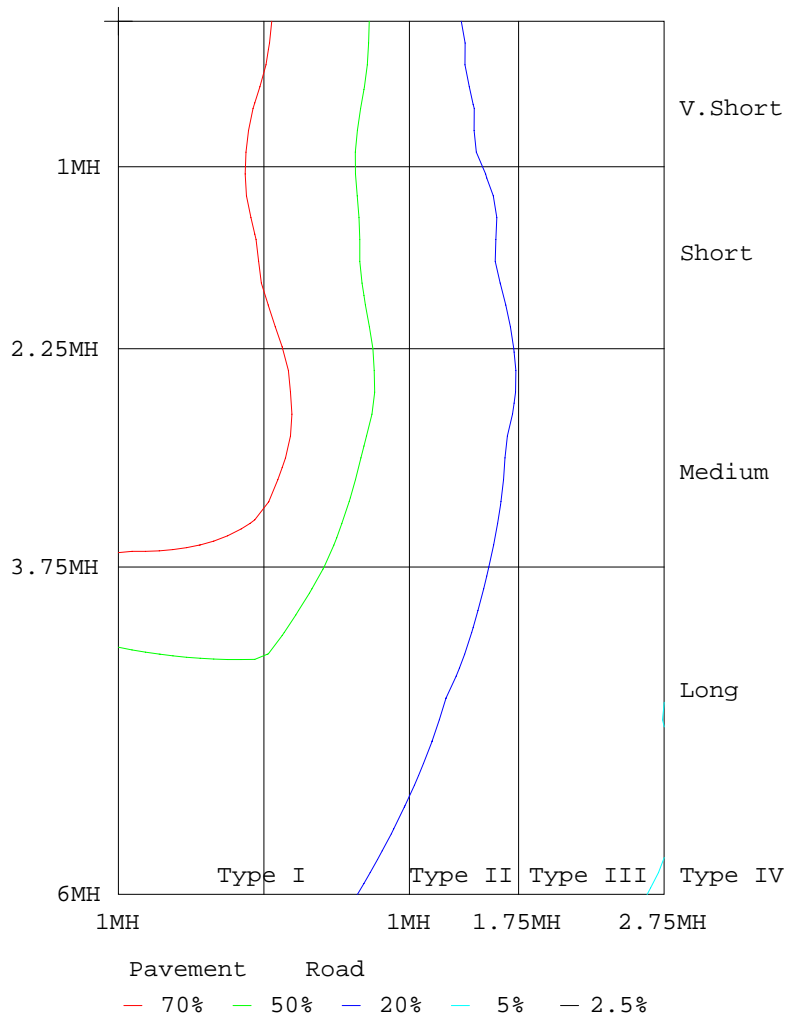
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-12-2

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:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-2

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:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381	3381
5	3387	3425	3466	3499	3512	3524	3528	3520	3503	3476	3444	3406	3375	3334	3301	3276	3256	3251	3251
10	3394	3464	3548	3611	3644	3676	3681	3657	3621	3576	3506	3427	3357	3277	3225	3177	3135	3122	3118
15	3398	3510	3626	3718	3778	3824	3829	3792	3738	3667	3566	3442	3331	3220	3140	3070	3011	2987	2983
20	3406	3569	3714	3834	3910	3954	3955	3916	3844	3749	3614	3454	3294	3156	3046	2956	2892	2863	2855
25	3428	3637	3825	3962	4044	4084	4076	4030	3942	3819	3650	3450	3250	3075	2939	2837	2780	2754	2747
30	3482	3732	3962	4103	4181	4232	4224	4155	4041	3891	3686	3436	3197	2986	2835	2726	2669	2634	2627
35	3577	3878	4128	4266	4348	4413	4406	4307	4158	3973	3729	3431	3150	2902	2734	2617	2532	2468	2442
40	3704	4073	4335	4464	4552	4607	4596	4485	4307	4063	3784	3452	3125	2840	2640	2491	2349	2222	2175
45	3842	4282	4574	4699	4781	4809	4774	4669	4471	4181	3860	3490	3117	2788	2544	2327	2097	1895	1809
50	4057	4555	4817	4946	4995	4992	4926	4830	4641	4321	3952	3556	3139	2742	2441	2098	1796	1444	1283
55	4215	4809	5124	5177	5188	5140	5027	4947	4789	4466	4073	3679	3217	2730	2314	1832	1349	939	874
60	4408	5021	5320	5429	5381	5222	5068	5030	4930	4627	4229	3807	3268	2683	2104	1523	853	742	759
65	4466	5235	5539	5608	5440	5077	4837	4921	4959	4753	4362	3971	3427	2668	1752	1038	629	653	675
70	3657	4342	5503	5592	5269	4648	4300	4528	4815	4825	4545	4278	3608	2466	1344	632	518	531	527
75	1999	1981	3577	5291	4689	3696	2828	3501	4426	4686	4558	3354	3012	1644	673	401	387	372	361
80	520	367	1191	3551	3619	1468	629	1386	3382	4081	2692	1163	1488	567	224	249	241	201	185
85	62.9	60.1	113	540	731	280	198	274	1198	1279	468	112	294	85.1	88.2	86.9	77.6	48.6	37.7
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:2024-12-2

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:0.4298A P:93.91W PF:0.9967 Freq:50.01Hz Lamp Flux:16473.4x1 lm		
NAME: AoK PLB	TYPE:series LED Street Light WEIGHT:3.4kg	
SPEC.:AoK-100WPLB-NV-L2-00-4070-T401-P	DIM.: 640*260*50mm	SERIAL No.:
MFR.: AOK	SUR.:200*130mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3381	3381	3381	3381	3381														
5	3249	3264	3291	3322	3346														
10	3121	3149	3201	3254	3308														
15	2993	3031	3097	3180	3275														
20	2872	2918	2996	3107	3246														
25	2760	2808	2903	3045	3222														
30	2630	2702	2819	2995	3213														
35	2457	2570	2738	2954	3236														
40	2207	2380	2628	2922	3283														
45	1874	2114	2469	2891	3344														
50	1387	1792	2228	2837	3441														
55	896	1263	1938	2699	3476														
60	727	794	1502	2278	3437														
65	635	615	924	1804	3168														
70	503	492	551	1105	2218														
75	341	352	346	320	993														
80	182	201	186	162	176														
85	32.6	45.5	36.3	39.3	39.1														
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:2024-12-2

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