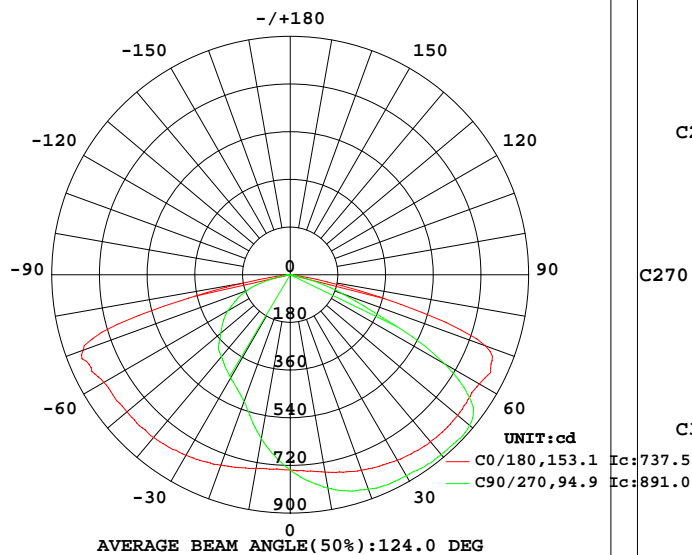
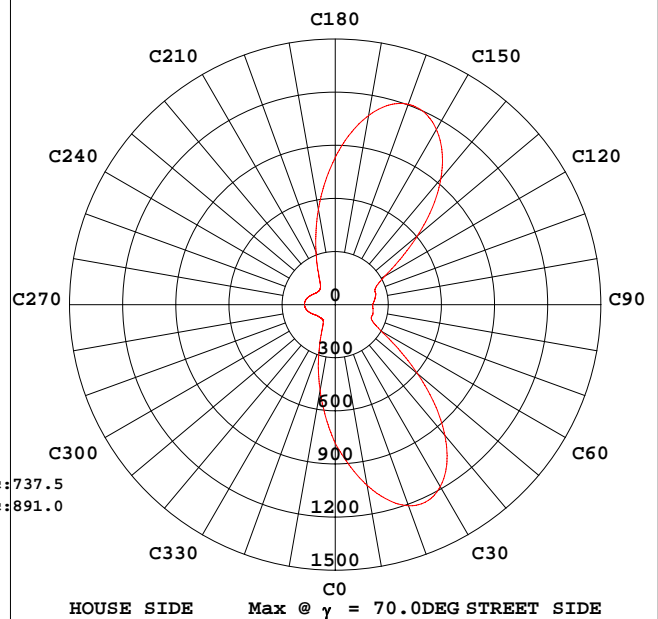


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WILE-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: 153.18 lm/W			
MODEL	3030	Imax(cd)	1186	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	65.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3041	η house_up(%)	0.0
NOMINAL FLUX(lm)	3041.29	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	18.176

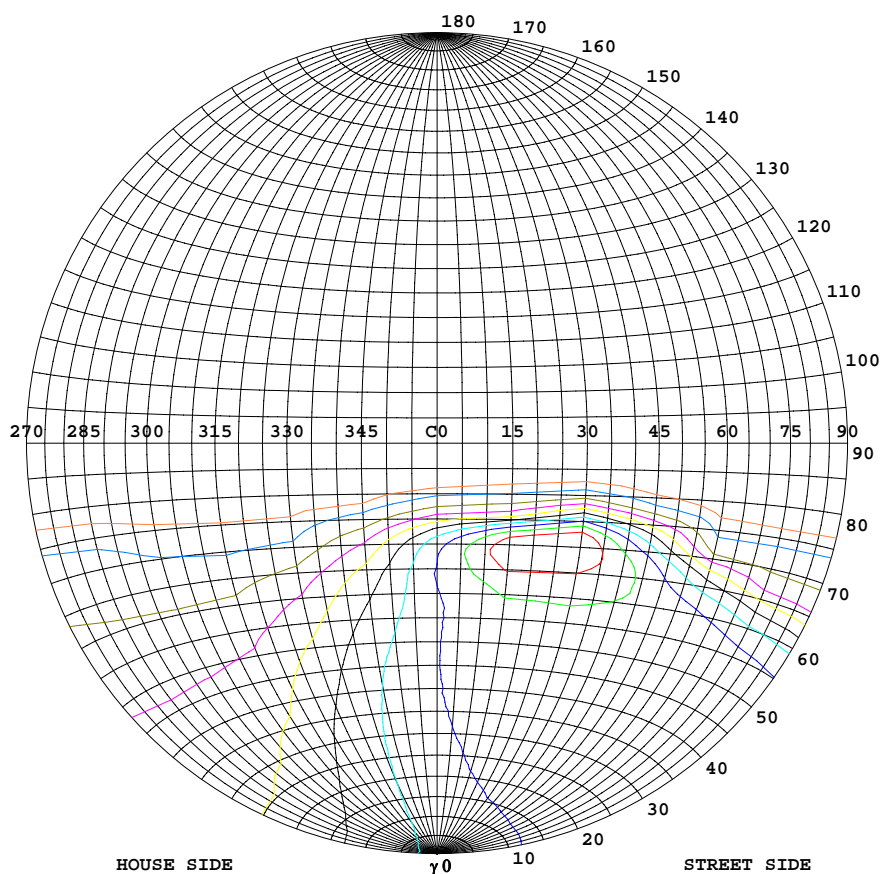
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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

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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



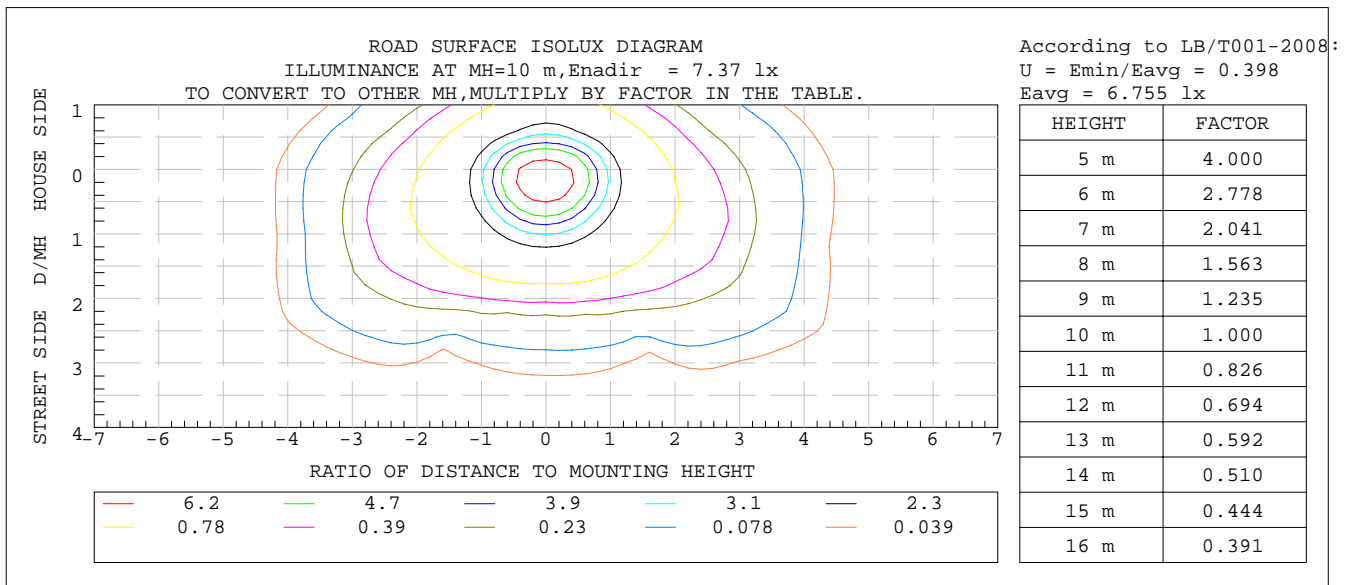
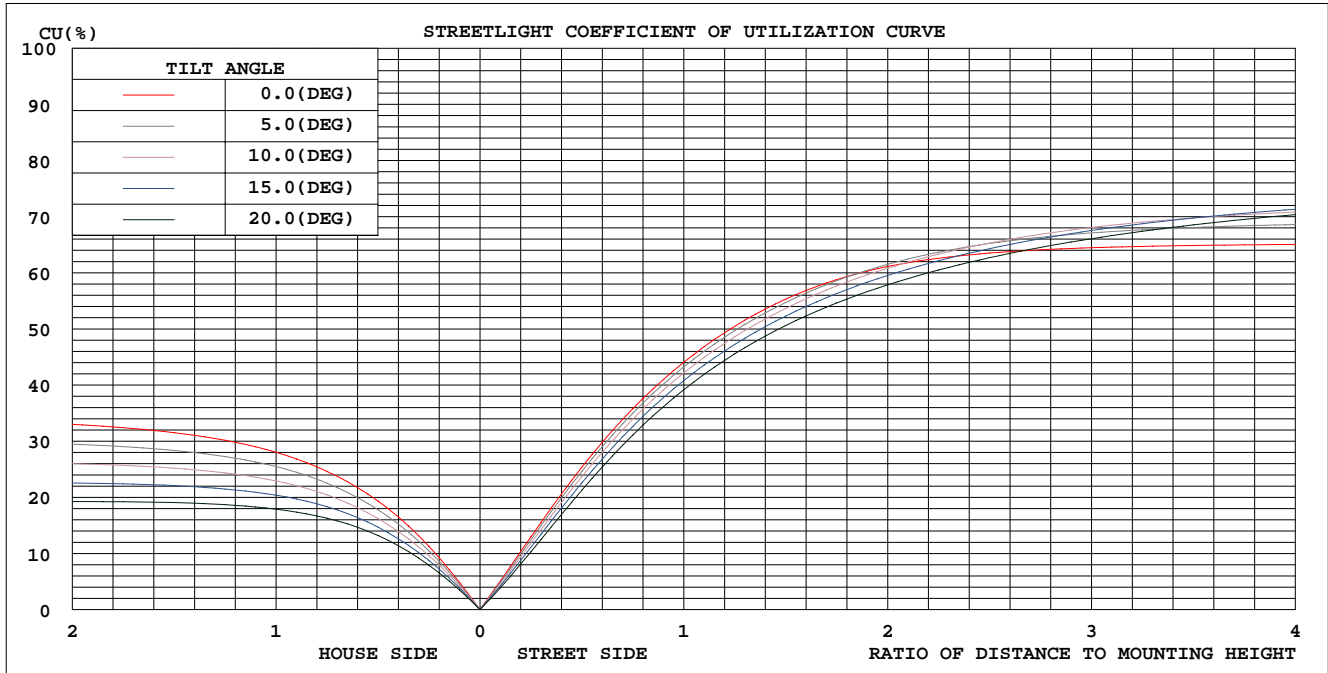
Classification:

IES:Type III - Medium
CIE:Broad - Long
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:103.1cd/klm
Max.At90:0cd/klm
Max.80-90:103.1cd/klm
NRB 5101:Limited[4.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1186
90%	1068
80%	949
70%	830
60%	712
50%	593
40%	474
30%	356
20%	237
10%	119
5%	59

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:

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

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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

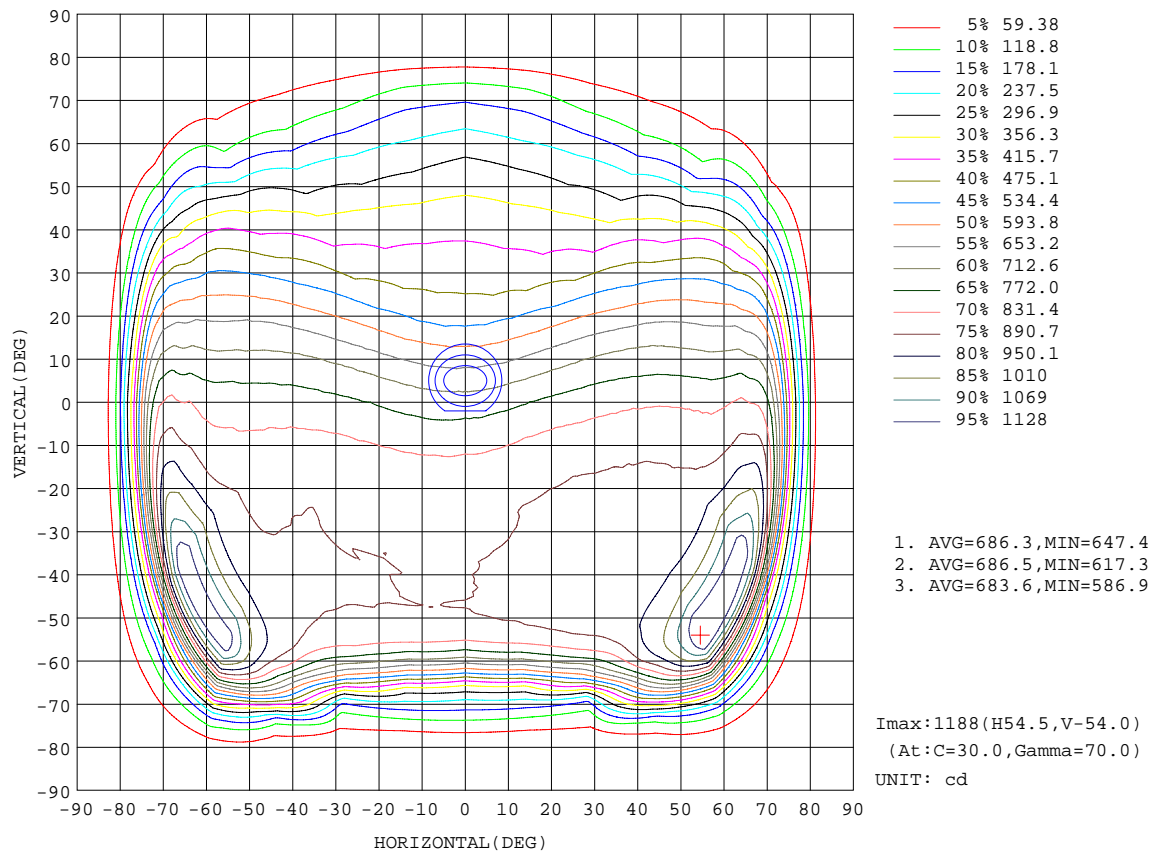
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	756.9	806.3	818.1	795.5	742.5	665.2	628.1	673.4	0- 10	70.28	70.28	2.31,2.31
20	784.8	864.9	861.7	847.1	765.1	596.2	509.7	606.6	10- 20	207.7	278.0	9.14,9.14
30	808.1	897.4	876.9	879.4	787.1	530.6	449.1	535.3	20- 30	335.7	613.7	20.2,20.2
40	822.5	911.3	887.8	889.0	802.3	458.1	404.4	451.6	30- 40	448.6	1062	34.9,34.9
50	825.6	920.2	883.8	896.9	804.8	383.4	342.3	369.7	40- 50	537.5	1600	52.6,52.6
60	824.1	939.5	673.7	901.5	812.9	272.8	272.8	260.6	50- 60	584.9	2185	71.8,71.8
70	783.3	794.8	211.4	776.9	831.6	123.0	174.0	111.0	60- 70	547.2	2732	89.8,89.8
80	103.2	71.69	22.85	81.25	171.8	32.31	29.89	24.28	70- 80	288.4	3020	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	20.97	3041	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3041	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3041	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3041	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3041	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3041	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3041	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3041	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3041	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3041	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

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

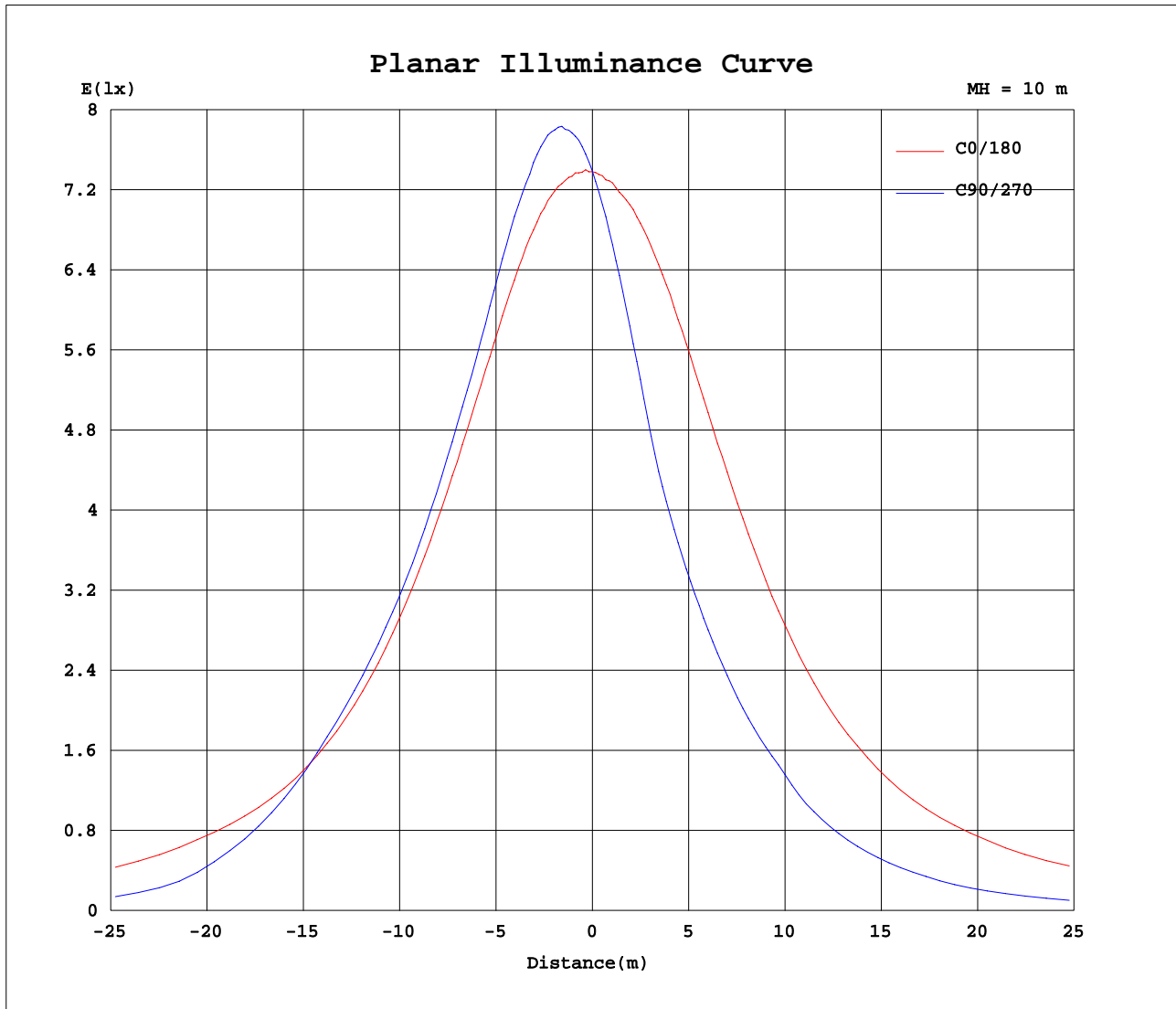
Test:U:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



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



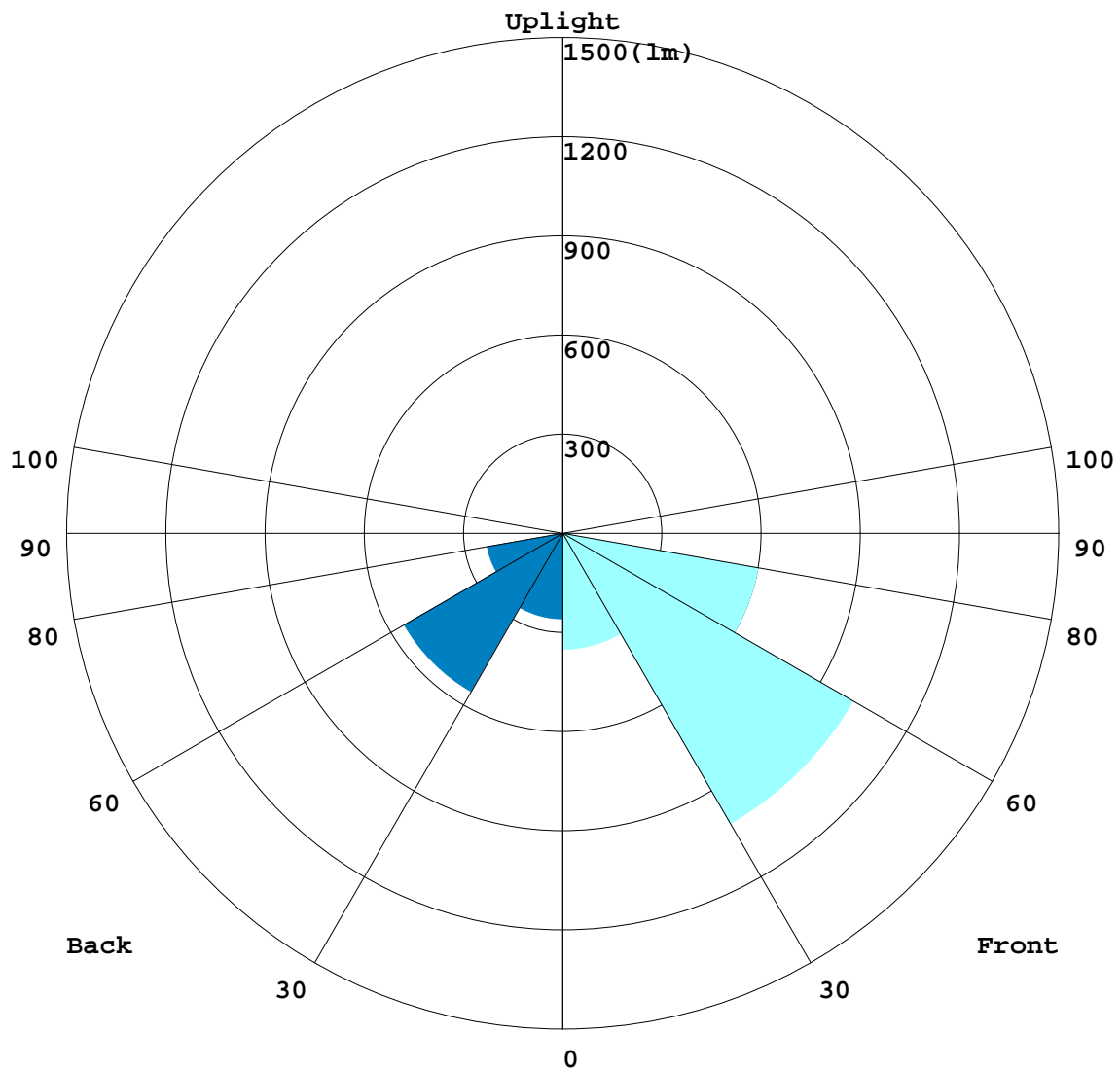
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-12-22

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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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

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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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)	352.59	11.6
FM - Front-Medium(30-60)	1016.4	33.4
FH - Front-High(60-80)	602.48	19.8
FVH - Front-Very High(80-90)	13.752	0.5
Total Forward Light	1985.2	65.3

BL - Back-Low(0-30)	261.09	8.6
BM - Back-Medium(30-60)	554.63	18.2
BH - Back-High(60-80)	233.17	7.7
BVH - Back-Very High(80-90)	7.2162	0.2
Total Back Light	1056.1	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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1056.1	0	1056.1
Street Side	1985.2	0	1985.2

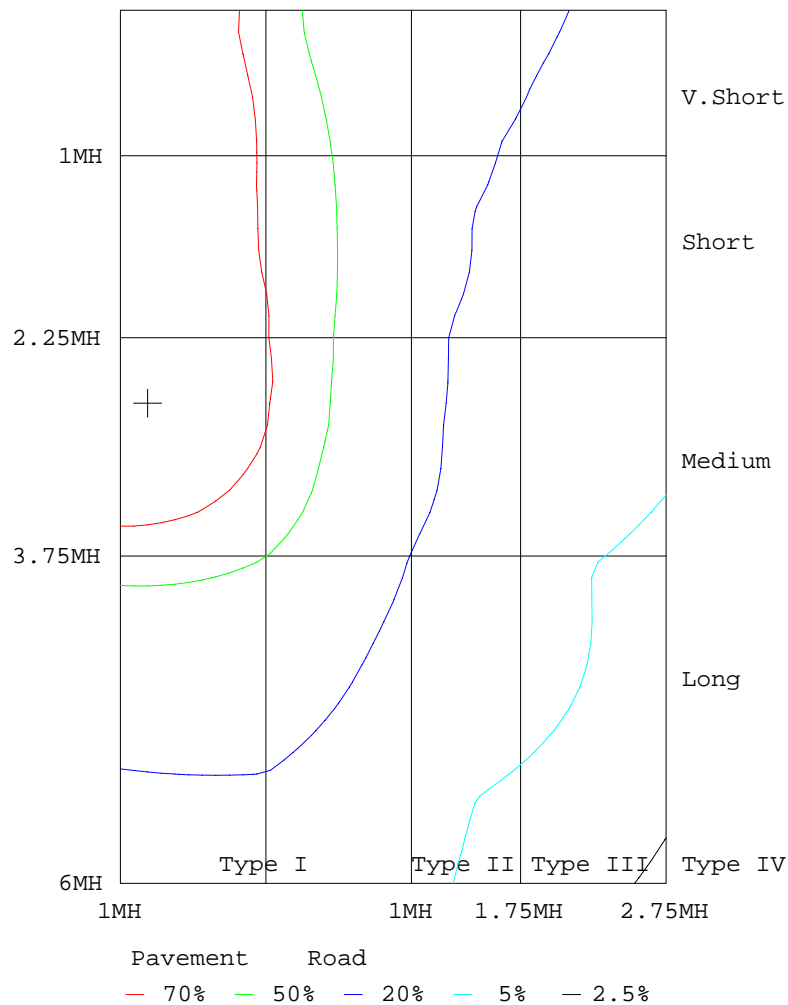
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-12-22

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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-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

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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WiLE-NV-L3-00-5070-T311-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737	737
5	745	754	765	772	776	782	781	781	776	767	757	748	737	726	712	701	693	688	685
10	757	777	794	806	812	818	818	815	808	796	783	765	742	717	690	665	645	633	628
15	772	801	823	838	843	847	845	843	837	825	807	784	754	715	673	632	597	572	566
20	785	824	851	865	866	861	862	861	856	847	830	804	765	715	657	596	546	516	510
25	798	841	872	882	882	879	874	873	871	864	851	824	777	715	641	564	506	482	475
30	808	860	888	897	892	885	877	876	882	879	867	840	787	714	621	531	473	456	449
35	816	875	899	908	900	894	884	880	885	887	879	854	796	710	600	494	442	430	427
40	822	886	906	911	908	901	888	886	891	889	889	865	802	703	573	458	412	404	404
45	827	893	913	917	909	899	888	889	894	893	892	872	806	689	541	423	382	377	384
50	826	898	914	920	912	898	884	889	892	897	893	877	805	670	502	383	343	331	342
55	820	913	928	930	907	866	834	860	885	897	899	890	809	639	452	337	292	293	309
60	824	958	964	939	850	731	674	731	836	901	921	924	813	600	393	273	246	252	273
65	835	1077	1070	935	660	459	388	476	663	894	1001	1026	830	537	315	203	191	207	224
70	783	1139	1186	795	302	220	211	238	324	777	1143	1167	832	422	184	123	130	160	174
75	432	569	843	435	91.2	86.6	90.4	93.0	98.3	479	952	781	591	247	85.9	73.7	75.8	98.4	102
80	103	124	186	71.7	30.4	25.6	22.8	24.5	33.1	81.3	314	175	172	54.1	32.9	32.3	34.4	32.7	29.9
85	11.1	14.8	16.8	11.1	7.54	6.77	5.09	6.62	9.38	15.2	32.7	25.8	21.5	11.7	8.76	8.12	8.82	8.10	8.02
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:219.3V I:0.0989A P:19.85W PF:0.9156 Freq:50.01Hz Lamp Flux:3041.29x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-20WILE-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	737	737	737	737	737														
5	688	696	704	716	730														
10	634	652	673	701	730														
15	574	603	639	686	730														
20	520	556	607	671	732														
25	479	510	573	654	734														
30	449	469	535	634	733														
35	424	436	493	610	727														
40	401	406	452	577	717														
45	378	378	412	539	702														
50	334	335	370	494	672														
55	297	293	316	435	634														
60	255	247	261	367	583														
65	205	186	186	271	507														
70	156	122	111	142	371														
75	91.8	67.8	62.9	69.3	166														
80	27.0	28.3	24.3	23.9	34.1														
85	6.98	6.72	5.70	6.17	8.47														
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
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: