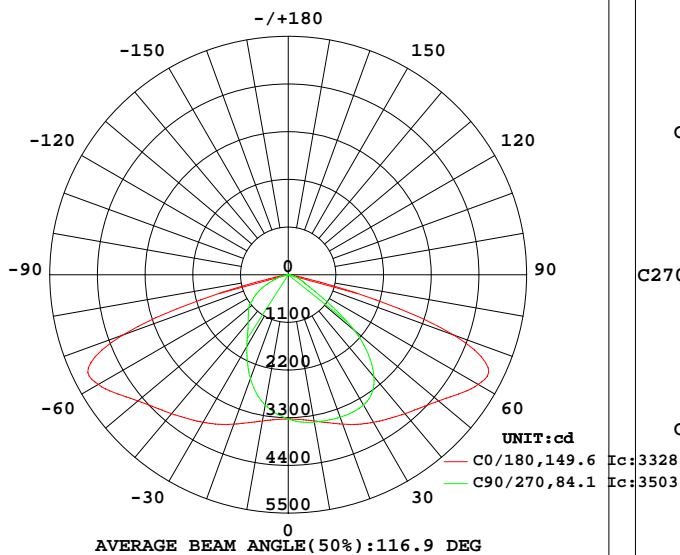
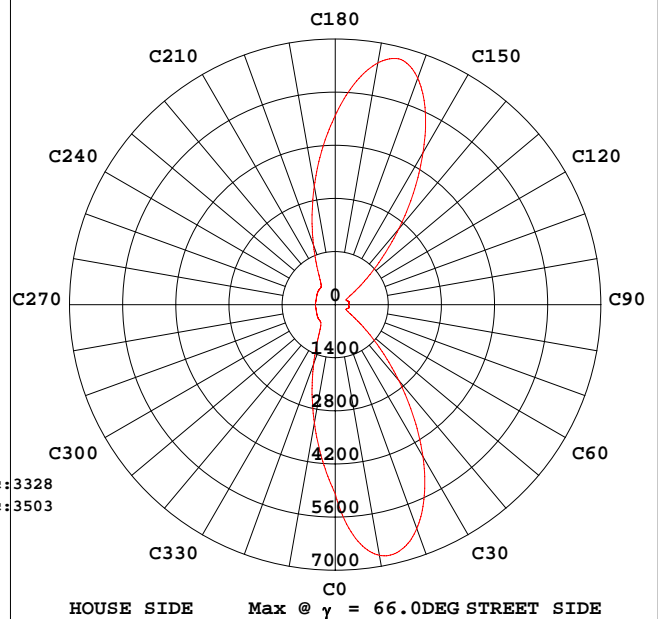


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.75 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6692	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	61.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12639	η house_up(%)	0.0
NOMINAL FLUX(lm)	12638.9	MAXIMUM @(C,γ )	15,66.0	η house_down(%)	38.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.053

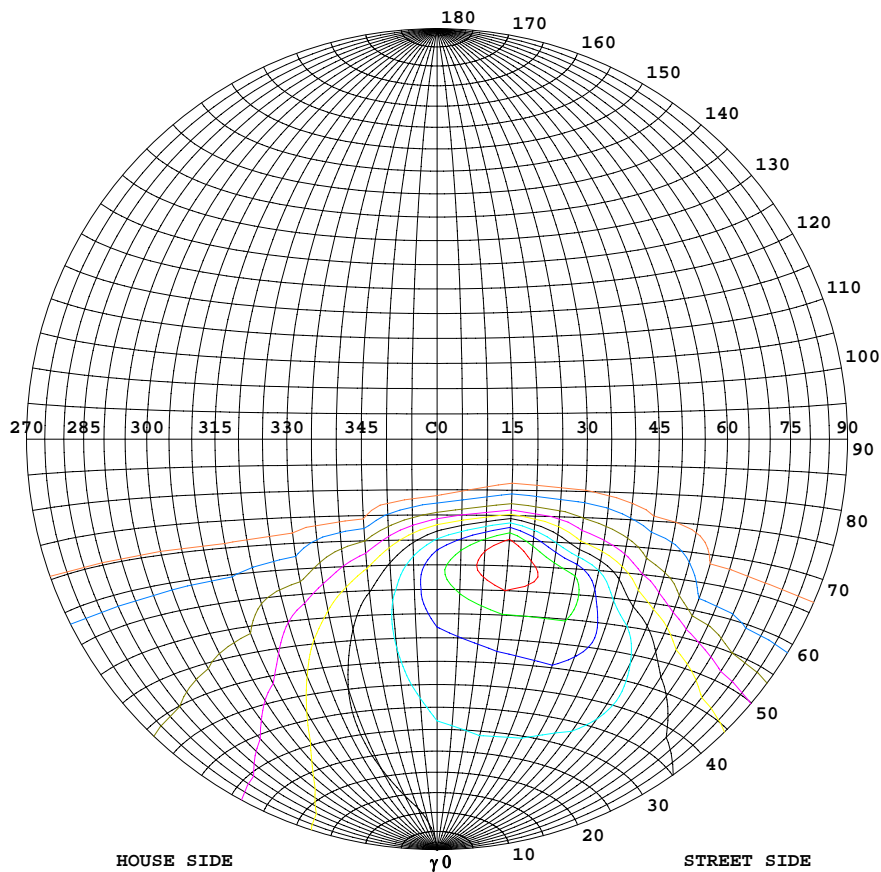
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



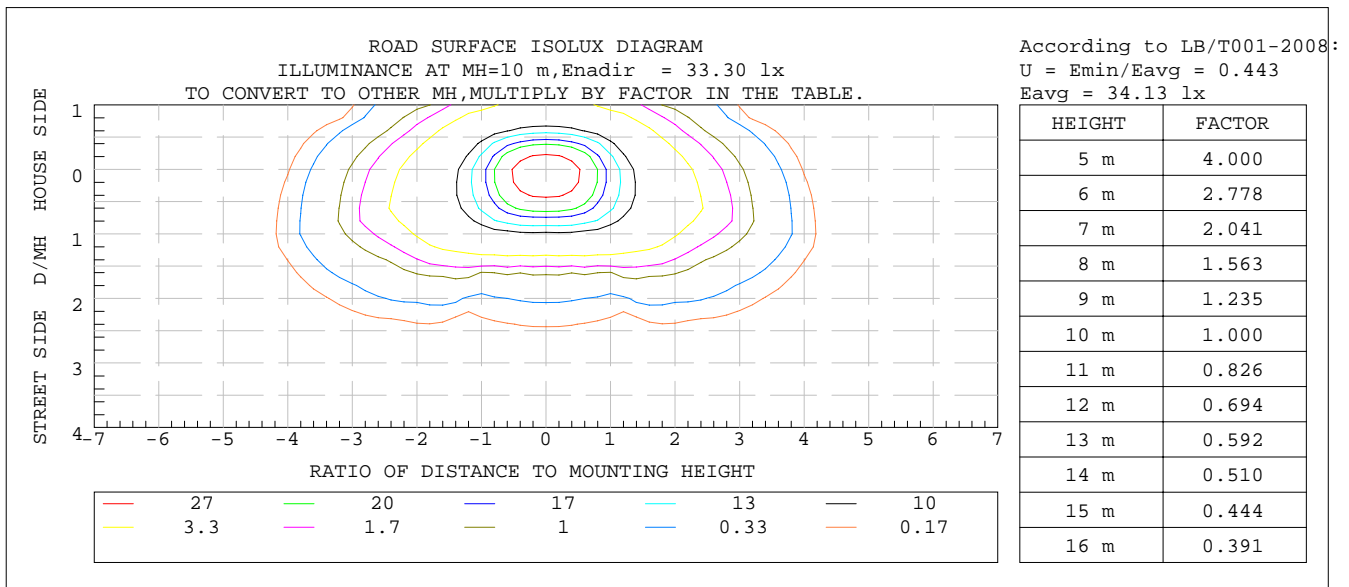
## Classification:

IES:Type II - Short  
CIE:Narrow - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:39.27cd/klm  
Max.At90:0cd/klm  
Max.80-90:39.27cd/klm  
NRB 5101:Semi limited[16.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6692
90%	6023
80%	5354
70%	4684
60%	4015
50%	3346
40%	2677
30%	2008
20%	1338
10%	669
5%	335

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
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:  
Test Date: 2020-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

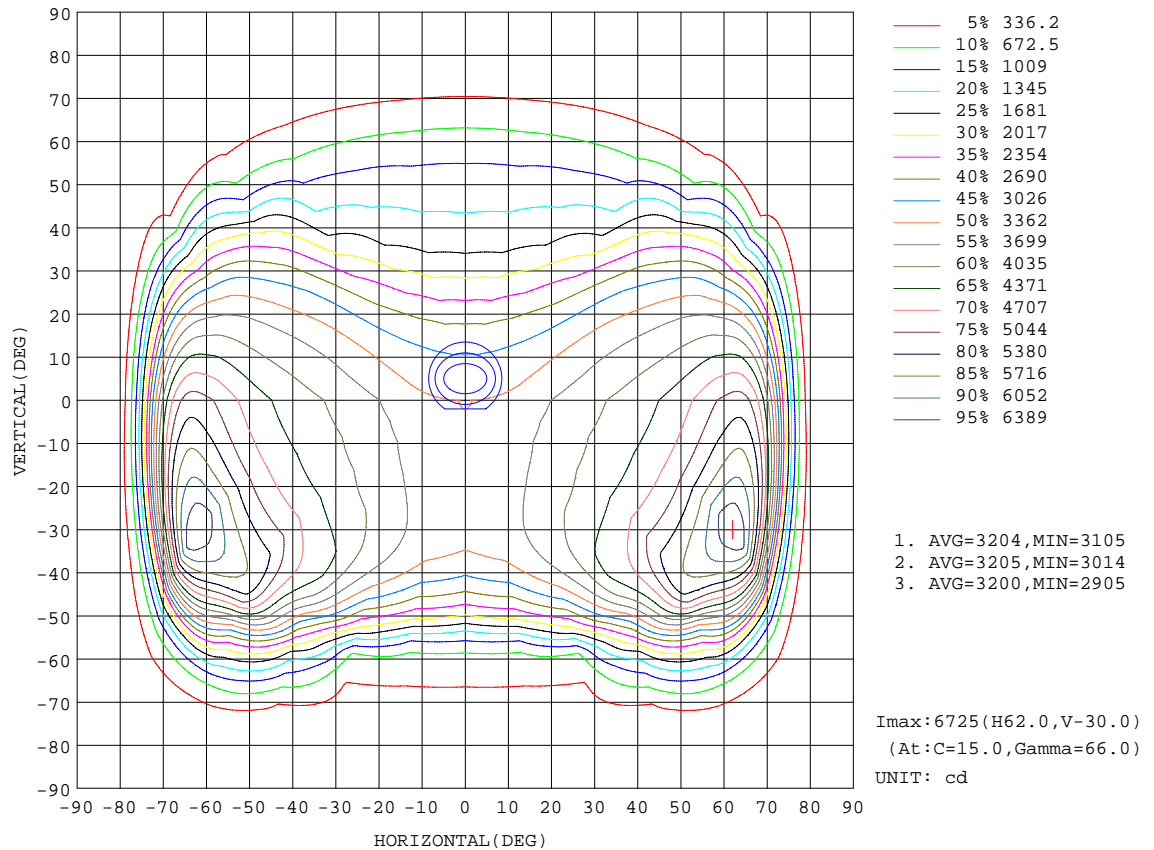
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	3426	3479	3452	3479	3426	3193	3055	3193	0- 10	318.2	318.2	2.52,2.52
20	3667	3663	3497	3663	3667	3016	2552	3016	10- 20	947.2	1265	10,10
30	3930	3913	3471	3913	3930	2713	1912	2713	20- 30	1541	2807	22.2,22.2
40	4187	4232	3077	4232	4187	2241	1441	2241	30- 40	2058	4865	38.5,38.5
50	4530	4377	1986	4377	4530	1560	1188	1560	40- 50	2430	7295	57.7,57.7
60	5058	3100	558.9	3100	5058	988.1	815.5	988.1	50- 60	2501	9796	77.5,77.5
70	4061	1062	258.6	1062	4061	371.7	355.1	371.7	60- 70	2055	11851	93.8,93.8
80	206.0	117.4	72.78	117.4	206.0	69.82	36.34	69.82	70- 80	744.2	12595	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	44.24	12639	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12639	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12639	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12639	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12639	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12639	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12639	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12639	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12639	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12639	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

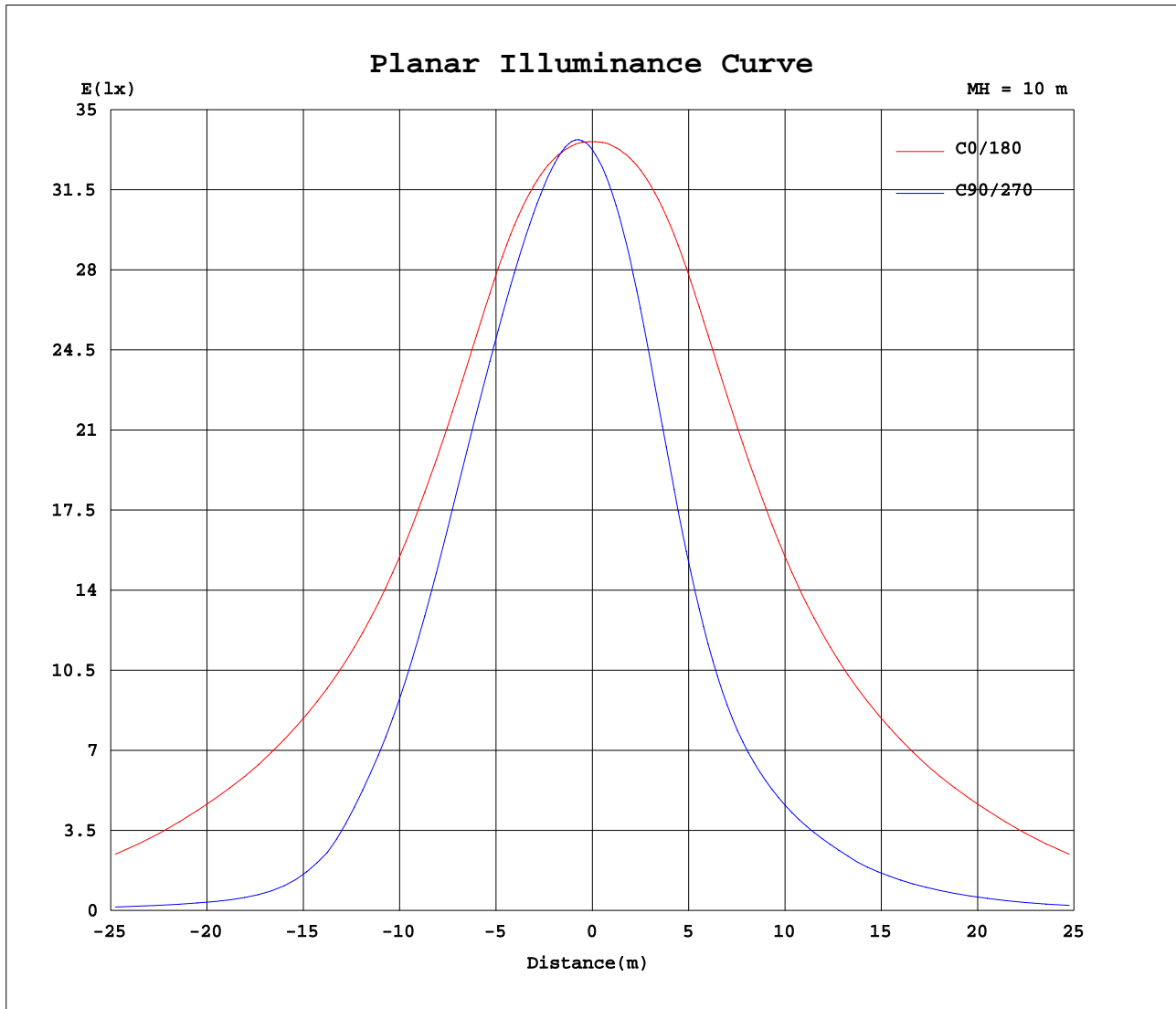
Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



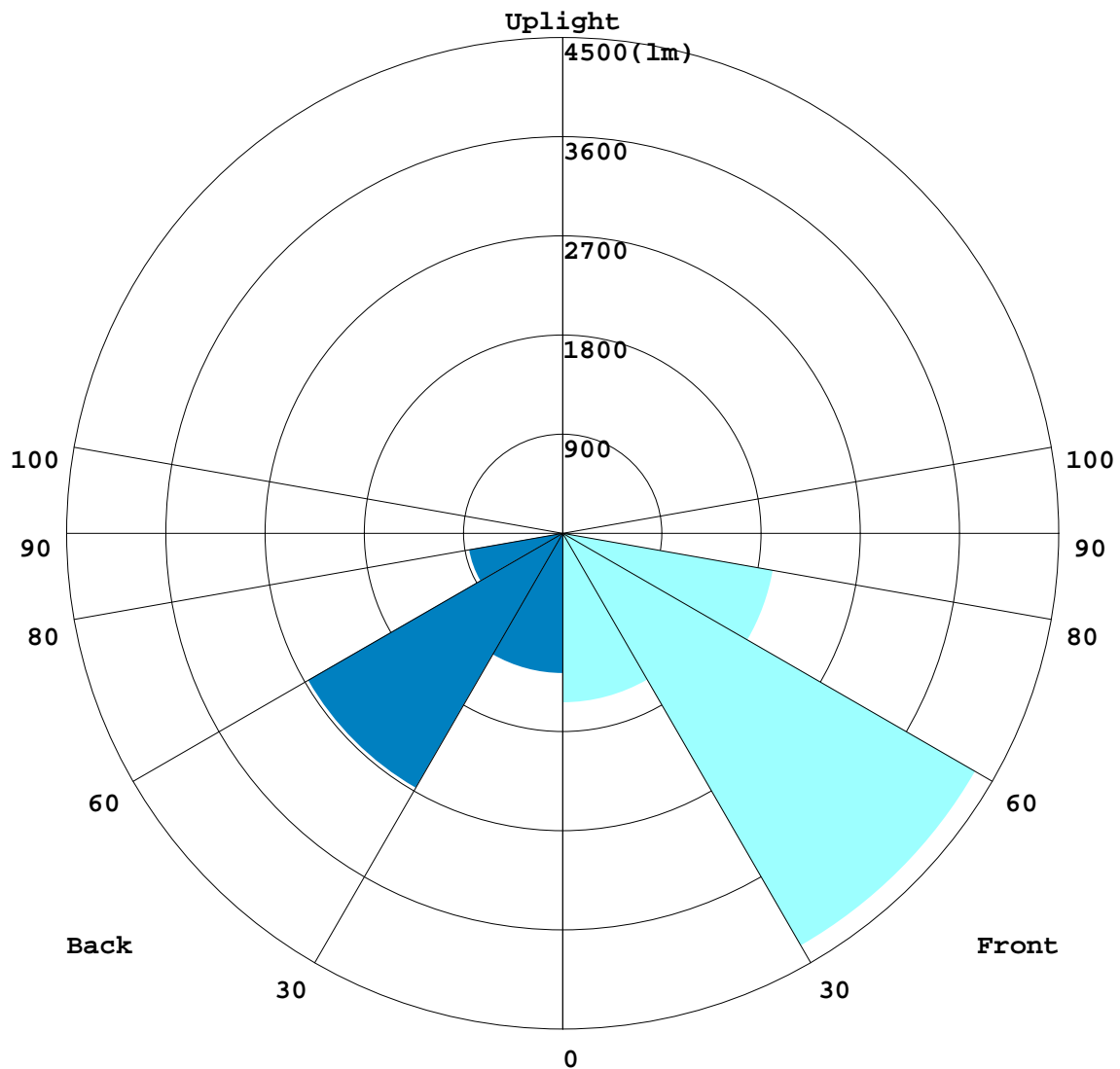
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.682m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1536.4	12.2
FM - Front-Medium(30-60)	4321.6	34.2
FH - Front-High(60-80)	1936.8	15.3
FVH - Front-Very High(80-90)	30.79	0.2
Total Forward Light	7825.6	61.9

BL - Back-Low(0-30)	1270.2	10.1
BM - Back-Medium(30-60)	2667.4	21.1
BH - Back-High(60-80)	862.19	6.8
BVH - Back-Very High(80-90)	13.453	0.1
Total Back Light	4813.3	38.1

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4813.3	0	4813.3
Street Side	7825.6	0	7825.6

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

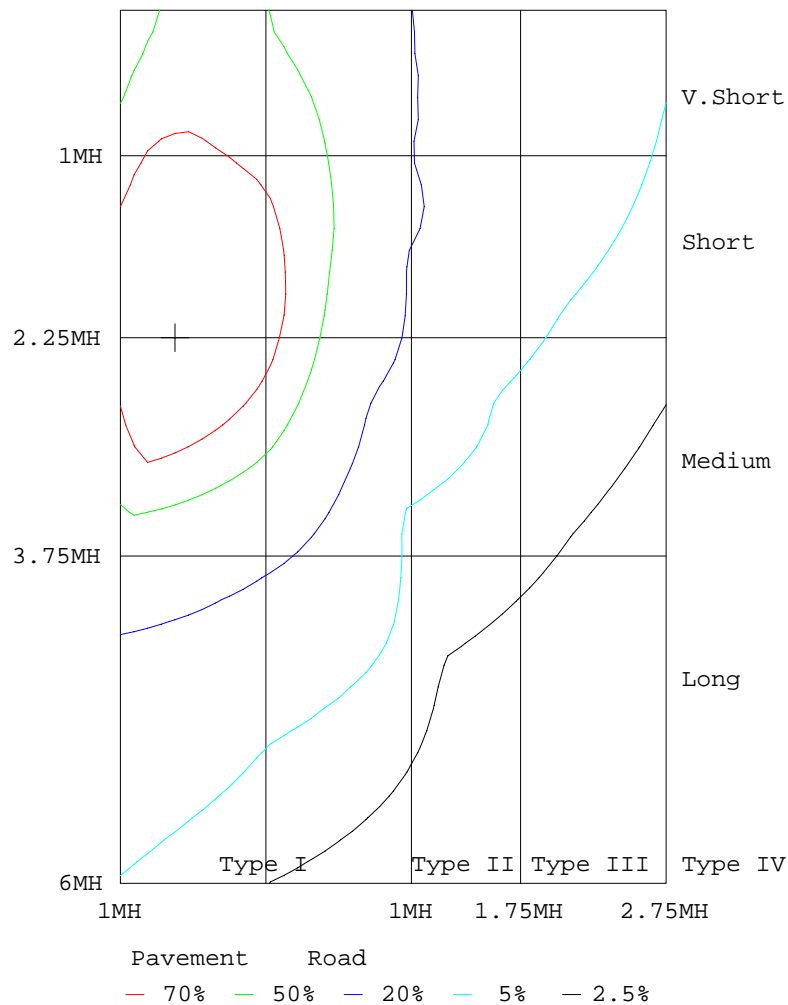
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-25

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	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	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328	3328
5	3356	3377	3394	3403	3408	3410	3410	3410	3408	3403	3394	3377	3356	3322	3289	3260	3234	3215	3213
10	3426	3463	3481	3479	3469	3459	3452	3459	3469	3479	3481	3463	3426	3351	3274	3193	3119	3069	3055
15	3534	3585	3596	3564	3525	3494	3477	3494	3525	3564	3596	3585	3534	3417	3275	3118	2971	2862	2836
20	3667	3733	3725	3663	3587	3524	3497	3524	3587	3663	3725	3733	3667	3500	3278	3016	2774	2598	2552
25	3805	3878	3864	3778	3655	3543	3502	3543	3655	3778	3864	3878	3805	3599	3281	2879	2532	2287	2228
30	3930	4015	4009	3913	3723	3543	3471	3543	3723	3913	4009	4015	3930	3685	3271	2713	2257	1977	1912
35	4051	4156	4170	4067	3774	3474	3354	3474	3774	4067	4170	4156	4051	3755	3235	2507	1969	1693	1635
40	4187	4318	4364	4232	3745	3265	3077	3265	3745	4232	4364	4318	4187	3803	3146	2241	1684	1482	1441
45	4334	4525	4627	4361	3535	2860	2621	2860	3535	4361	4627	4525	4334	3816	2987	1910	1479	1340	1304
50	4530	4823	4964	4377	3047	2265	1986	2265	3047	4377	4964	4823	4530	3789	2743	1560	1310	1210	1188
55	4797	5299	5355	4032	2291	1339	1110	1339	2291	4032	5355	5299	4797	3675	2360	1271	1121	1020	1004
60	5058	5982	5612	3100	1128	613	559	613	1128	3100	5612	5982	5058	3326	1770	988	871	817	816
65	5088	6669	4987	2015	458	384	371	384	458	2015	4987	6669	5088	2588	959	647	605	578	581
70	4061	6100	2832	1062	291	269	259	269	291	1062	2832	6100	4061	1332	454	372	359	351	355
75	1569	2842	1304	420	174	162	158	162	174	420	1304	2842	1569	285	221	186	181	166	165
80	206	496	356	117	78.7	76.2	72.8	76.2	78.7	117	356	496	206	114	92.6	69.8	62.7	43.0	36.3
85	33.6	47.6	39.5	25.8	19.8	19.6	17.9	19.6	19.8	25.8	39.5	47.6	33.6	24.3	24.7	14.9	8.40	3.91	1.11
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:  
Test Date:2020-12-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4168A P:89.80W PF:0.9829 Freq:50.18Hz Lamp Flux:12638.9x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	3328	3328	3328	3328	3328														
5	3215	3234	3260	3289	3322														
10	3069	3119	3193	3274	3351														
15	2862	2971	3118	3275	3417														
20	2598	2774	3016	3278	3500														
25	2287	2532	2879	3281	3599														
30	1977	2257	2713	3271	3685														
35	1693	1969	2507	3235	3755														
40	1482	1684	2241	3146	3803														
45	1340	1479	1910	2987	3816														
50	1210	1310	1560	2743	3789														
55	1020	1121	1271	2360	3675														
60	817	871	988	1770	3326														
65	578	605	647	959	2588														
70	351	359	372	454	1332														
75	166	181	186	221	285														
80	43.0	62.7	69.8	92.6	114														
85	3.91	8.40	14.9	24.7	24.3														
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:  
Test Date:2020-12-25

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks: