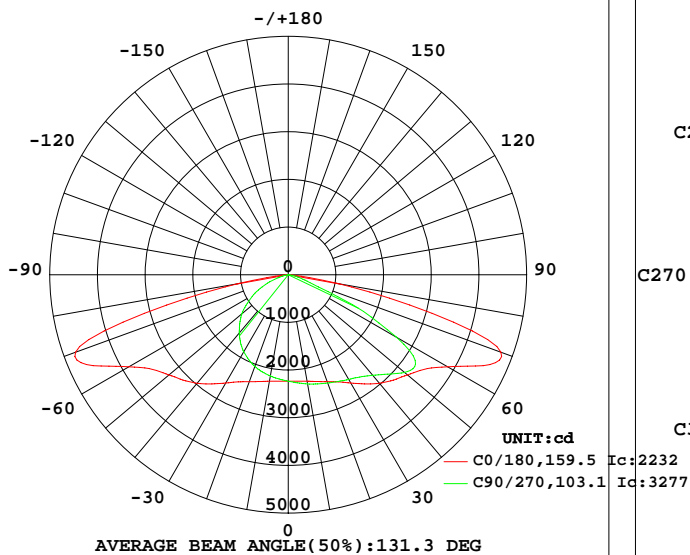
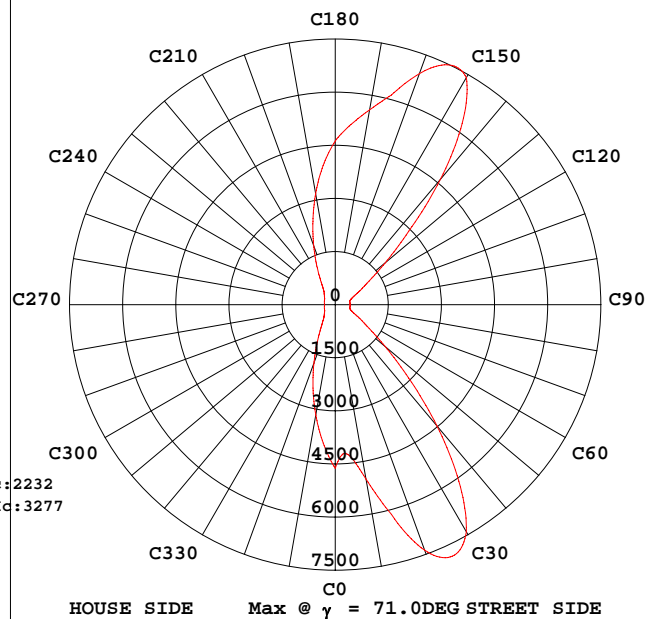


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.79 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	7401	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	63.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12096	η house_up(%)	0.0
NOMINAL FLUX(lm)	12095.7	MAXIMUM @(C,γ )	30,71.0	η house_down(%)	36.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.613

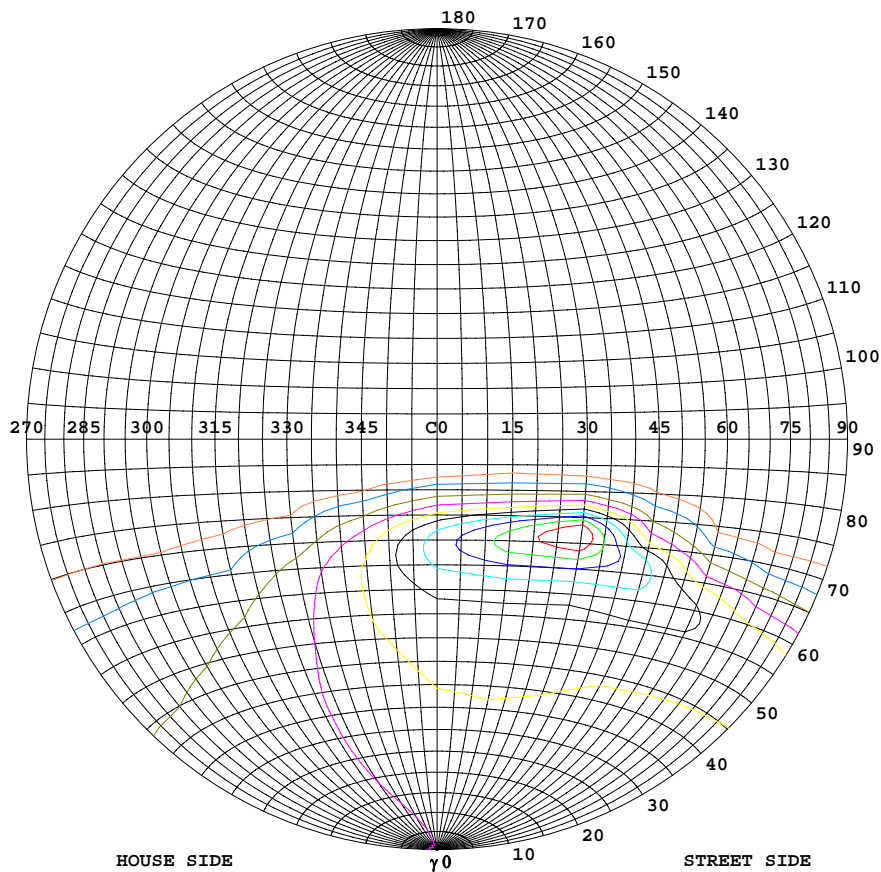
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-12-26

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:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



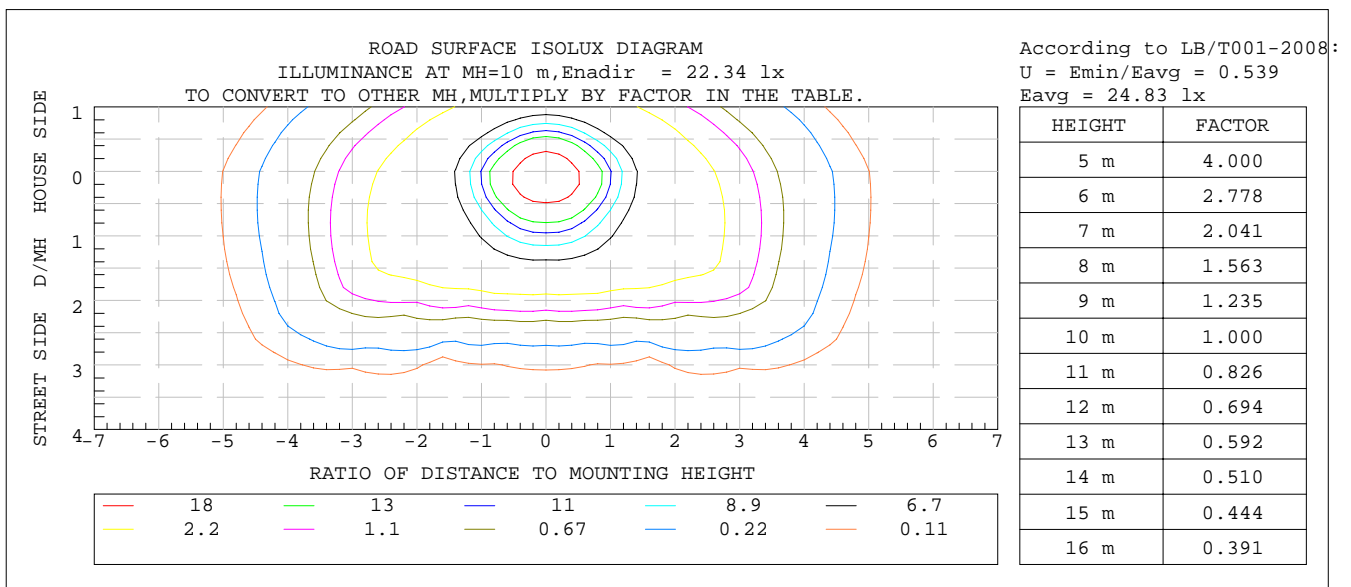
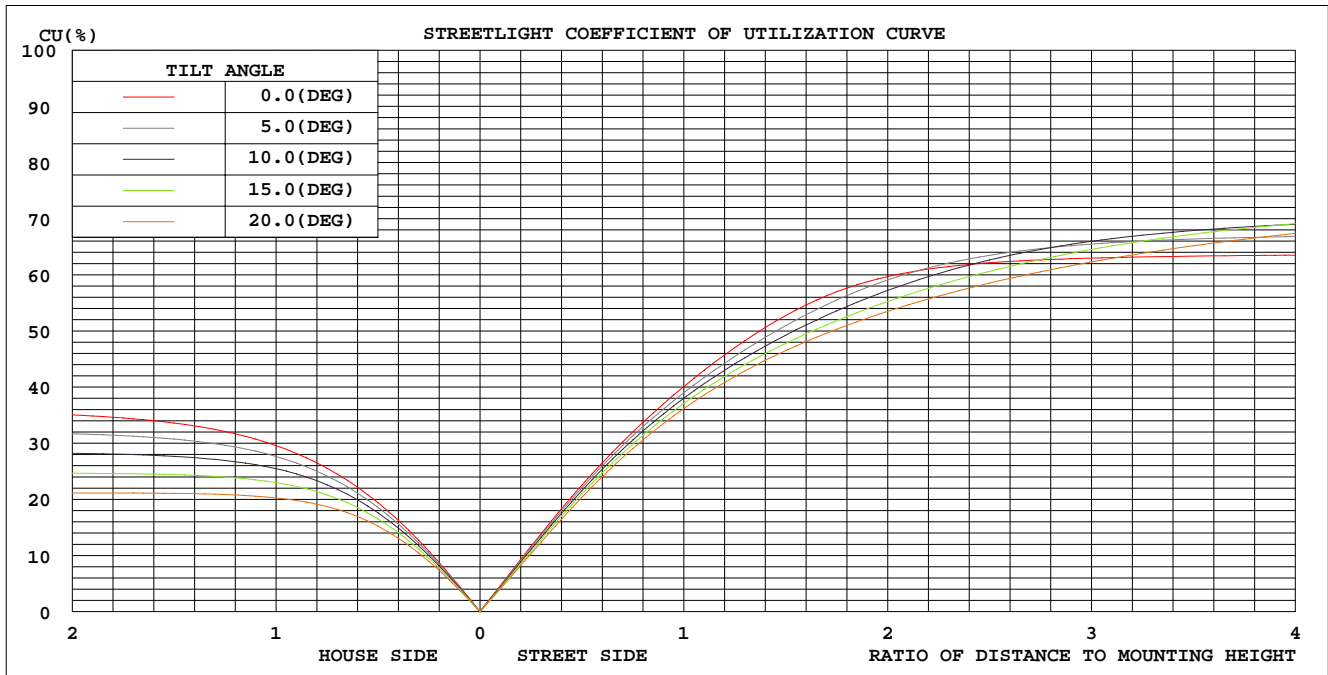
## Classification:

IES:Type III - Medium  
 CIE:Broad - Long  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:99.66cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:99.66cd/klm  
 NRB 5101:Limited[7.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	7401
90%	6661
80%	5921
70%	5181
60%	4441
50%	3701
40%	2961
30%	2220
20%	1480
10%	740
5%	370

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-12-26

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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-12-26

$\gamma$  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:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

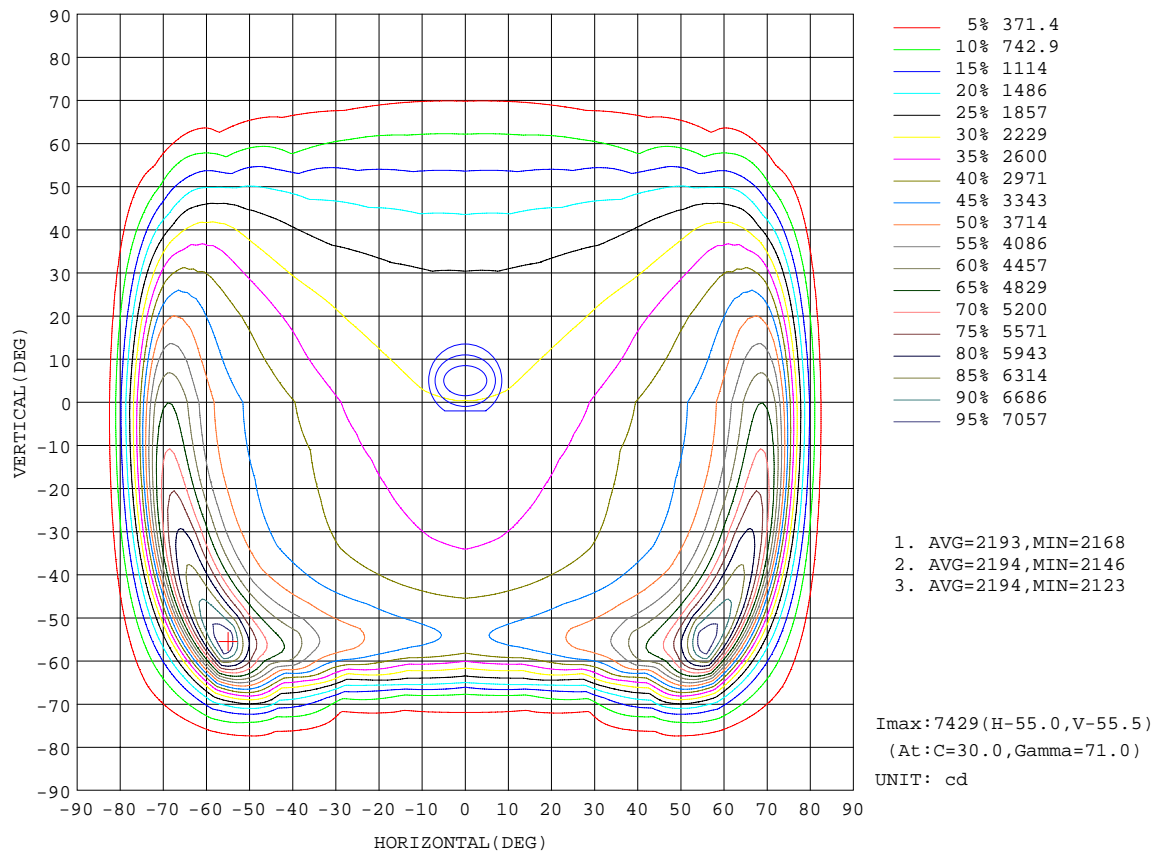
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2267	2320	2325	2320	2267	2189	2156	2189	0- 10	214.3	214.3	1.77,1.77
20	2387	2465	2417	2465	2387	2160	2048	2160	10- 20	647.1	861.3	7.12,7.12
30	2621	2667	2537	2667	2621	2106	1866	2106	20- 30	1090	1951	16.1,16.1
40	2971	2881	2755	2881	2971	1991	1598	1991	30- 40	1538	3489	28.8,28.8
50	3269	3222	3186	3222	3269	1751	1269	1751	40- 50	1982	5471	45.2,45.2
60	3863	4145	2617	4145	3863	1294	838.8	1294	50- 60	2411	7882	65.2,65.2
70	4745	3351	483.9	3351	4745	495.8	360.0	495.8	60- 70	2605	10487	86.7,86.7
80	1051	392.3	112.8	392.3	1051	70.89	40.16	70.89	70- 80	1501	11988	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	107.5	12096	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12096	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12096	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12096	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12096	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12096	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12096	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12096	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12096	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12096	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:2020-12-26

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

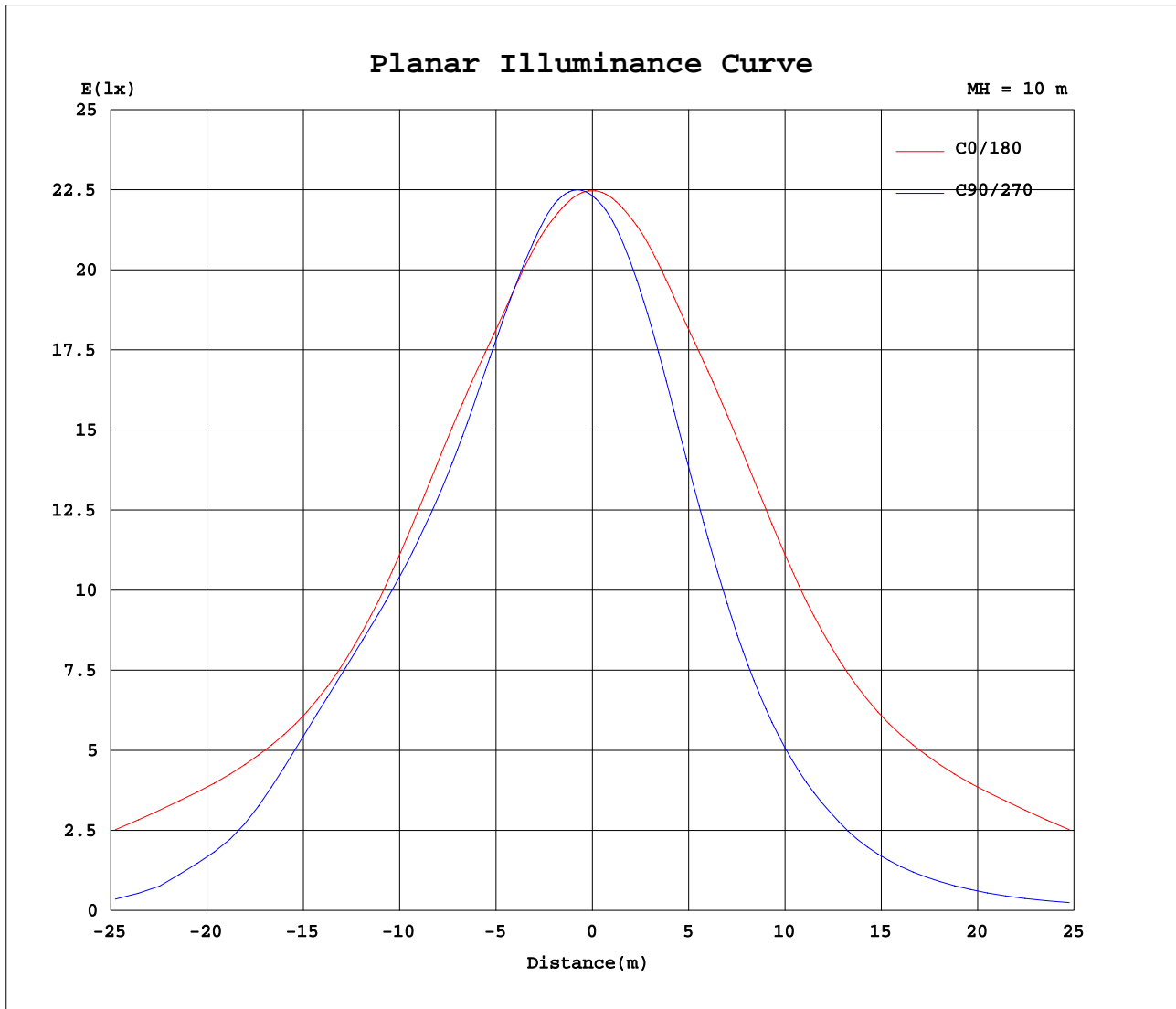
Test:U:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

$\gamma$  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:

## Planar Illuminance Curve



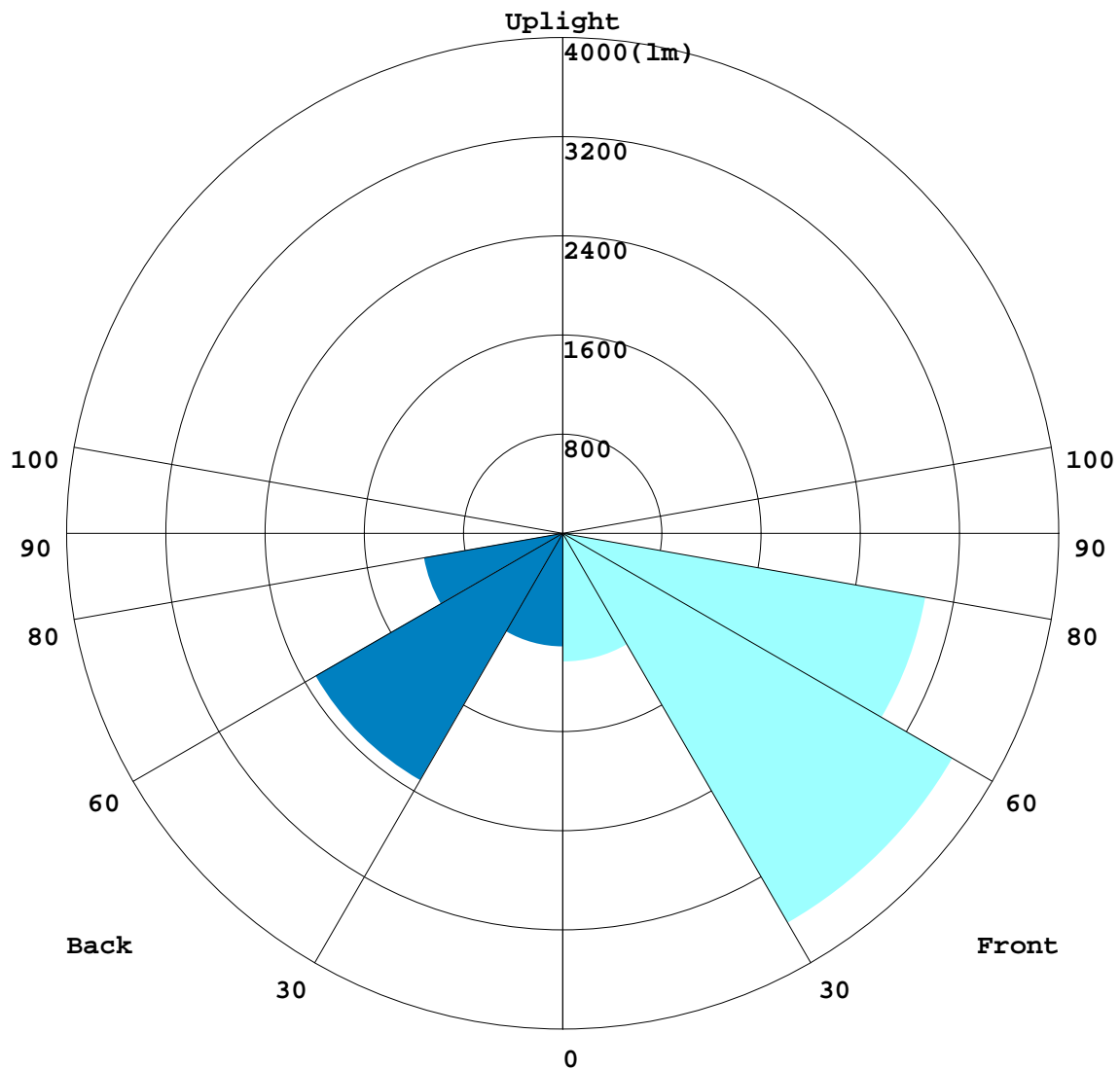
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-12-26

$\gamma$  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:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*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:2020-12-26

$\gamma$  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:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1036.5	8.6
FM - Front-Medium(30-60)	3630.5	30.0
FH - Front-High(60-80)	2971.1	24.6
FVH - Front-Very High(80-90)	82.964	0.7
Total Forward Light	7721.1	63.8

BL - Back-Low(0-30)	914.41	7.6
BM - Back-Medium(30-60)	2300.6	19.0
BH - Back-High(60-80)	1135	9.4
BVH - Back-Very High(80-90)	24.55	0.2
Total Back Light	4374.6	36.2

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	4374.6	0	4374.6
Street Side	7721.1	0	7721.1

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

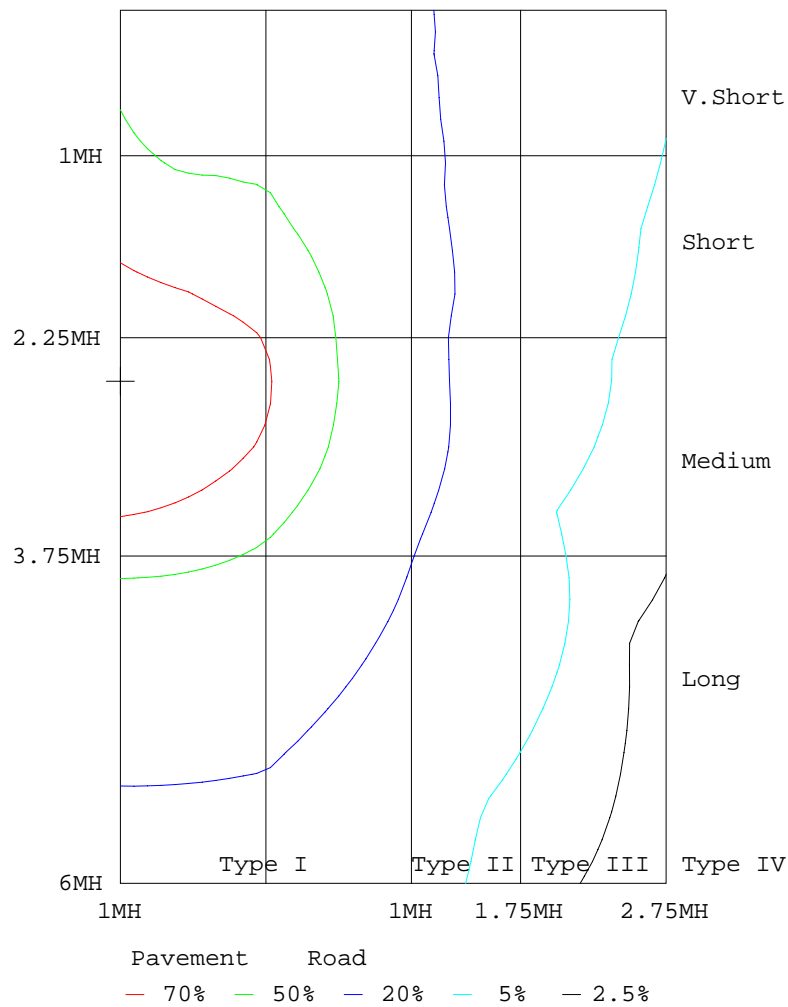
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-12-26

$\gamma$  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:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
5	2241	2252	2262	2271	2275	2276	2277	2276	2275	2271	2262	2252	2241	2229	2220	2211	2202	2198	2196
10	2267	2290	2310	2320	2325	2327	2325	2327	2325	2320	2310	2290	2267	2240	2215	2189	2171	2161	2156
15	2320	2351	2372	2381	2382	2377	2370	2377	2382	2381	2372	2351	2320	2270	2219	2172	2137	2117	2110
20	2387	2436	2466	2465	2449	2430	2417	2430	2449	2465	2466	2436	2387	2310	2231	2160	2099	2060	2048
25	2479	2555	2582	2565	2529	2492	2472	2492	2529	2565	2582	2555	2479	2361	2244	2140	2047	1983	1963
30	2621	2712	2711	2667	2612	2562	2537	2562	2612	2667	2711	2712	2621	2428	2258	2106	1973	1889	1866
35	2796	2881	2844	2770	2707	2654	2619	2654	2707	2770	2844	2881	2796	2519	2273	2056	1884	1775	1745
40	2971	3037	2969	2881	2831	2792	2755	2792	2831	2881	2969	3037	2971	2640	2280	1991	1774	1632	1598
45	3123	3176	3092	3018	3012	2991	2951	2991	3012	3018	3092	3176	3123	2783	2263	1893	1633	1479	1438
50	3269	3296	3225	3222	3282	3252	3186	3252	3282	3222	3225	3296	3269	2901	2230	1751	1461	1305	1269
55	3466	3503	3455	3583	3628	3442	3259	3442	3628	3583	3455	3503	3466	2991	2158	1562	1252	1089	1052
60	3863	3990	3951	4145	3764	3010	2617	3010	3764	4145	3951	3990	3863	3070	2017	1294	991	867	839
65	4510	5086	5156	4719	2658	1814	1490	1814	2658	4719	5156	5086	4510	3060	1724	816	694	633	606
70	4745	6208	7207	3351	1091	517	484	517	1091	3351	7207	6208	4745	2617	1011	496	388	382	360
75	3125	4240	5477	1450	305	263	246	263	305	1450	5477	4240	3125	1439	411	251	191	157	155
80	1051	1176	1205	392	129	114	113	114	129	392	1205	1176	1051	334	105	70.9	64.5	39.9	40.2
85	93.9	110	116	62.6	31.1	30.9	29.7	30.9	31.1	62.6	116	110	93.9	37.1	28.2	14.4	5.48	3.47	1.23
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:2020-12-26

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:219.1V I:0.4107A P:88.42W PF:0.9824 Freq:50.18Hz Lamp Flux:12095.7x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-90WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345													
γ (DEC)																		
0	2232	2232	2232	2232	2232													
5	2198	2202	2211	2220	2229													
10	2161	2171	2189	2215	2240													
15	2117	2137	2172	2219	2270													
20	2060	2099	2160	2231	2310													
25	1983	2047	2140	2244	2361													
30	1889	1973	2106	2258	2428													
35	1775	1884	2056	2273	2519													
40	1632	1774	1991	2280	2640													
45	1479	1633	1893	2263	2783													
50	1305	1461	1751	2230	2901													
55	1089	1252	1562	2158	2991													
60	867	991	1294	2017	3070													
65	633	694	816	1724	3060													
70	382	388	496	1011	2617													
75	157	191	251	411	1439													
80	39.9	64.5	70.9	105	334													
85	3.47	5.48	14.4	28.2	37.1													
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 - 360DEC  
C Interval: 15.0DEC  
Test Speed: HIGH  
Temperature:25.3DEC  
Operators:  
Test Date:2020-12-26

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