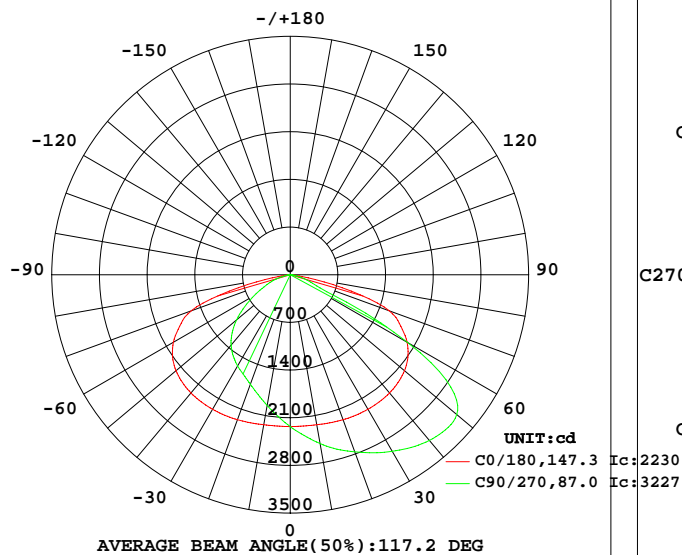
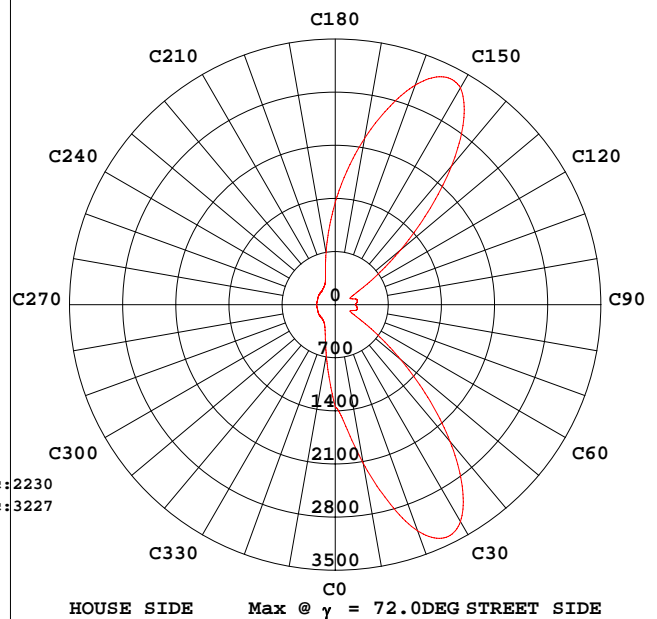


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.75 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	3301	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	68.2
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	9045	η house_up(%)	0.0
NOMINAL FLUX(lm)	9045.18	MAXIMUM @(C,γ )	30,72.0	η house_down(%)	31.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.512

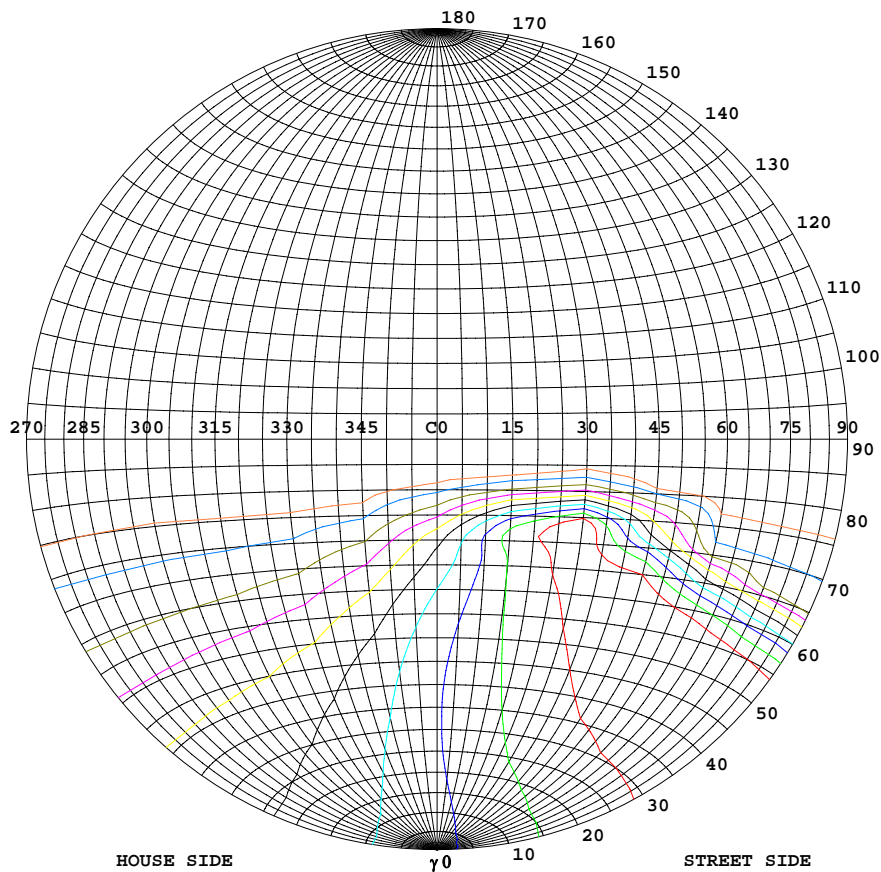
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-04-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



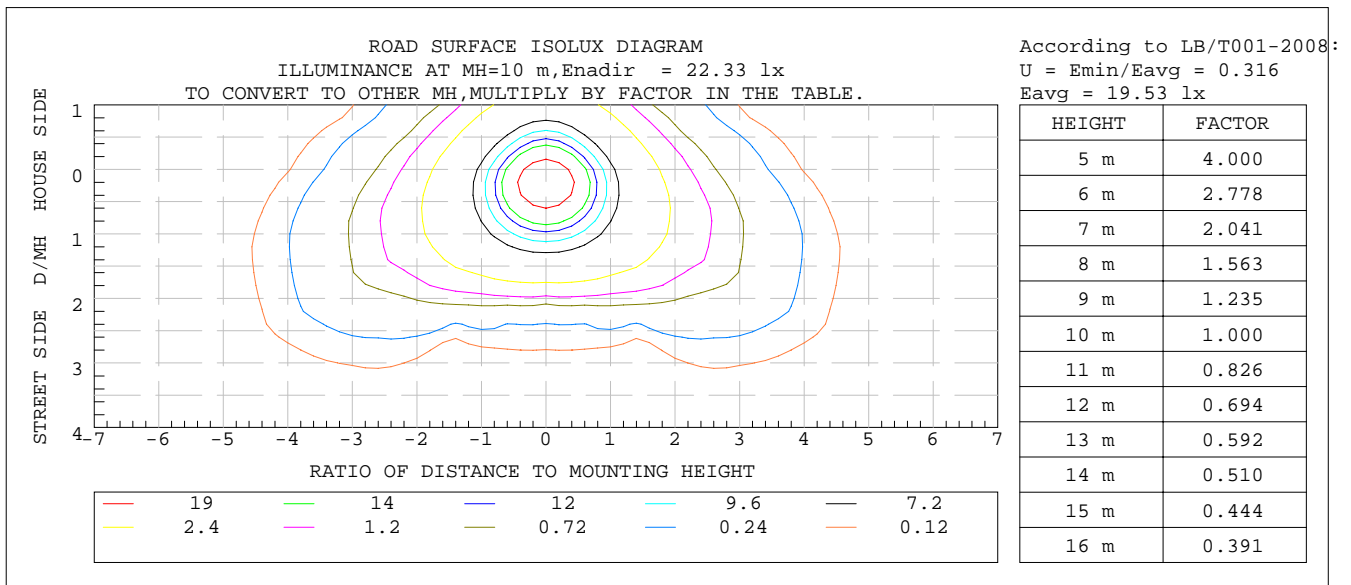
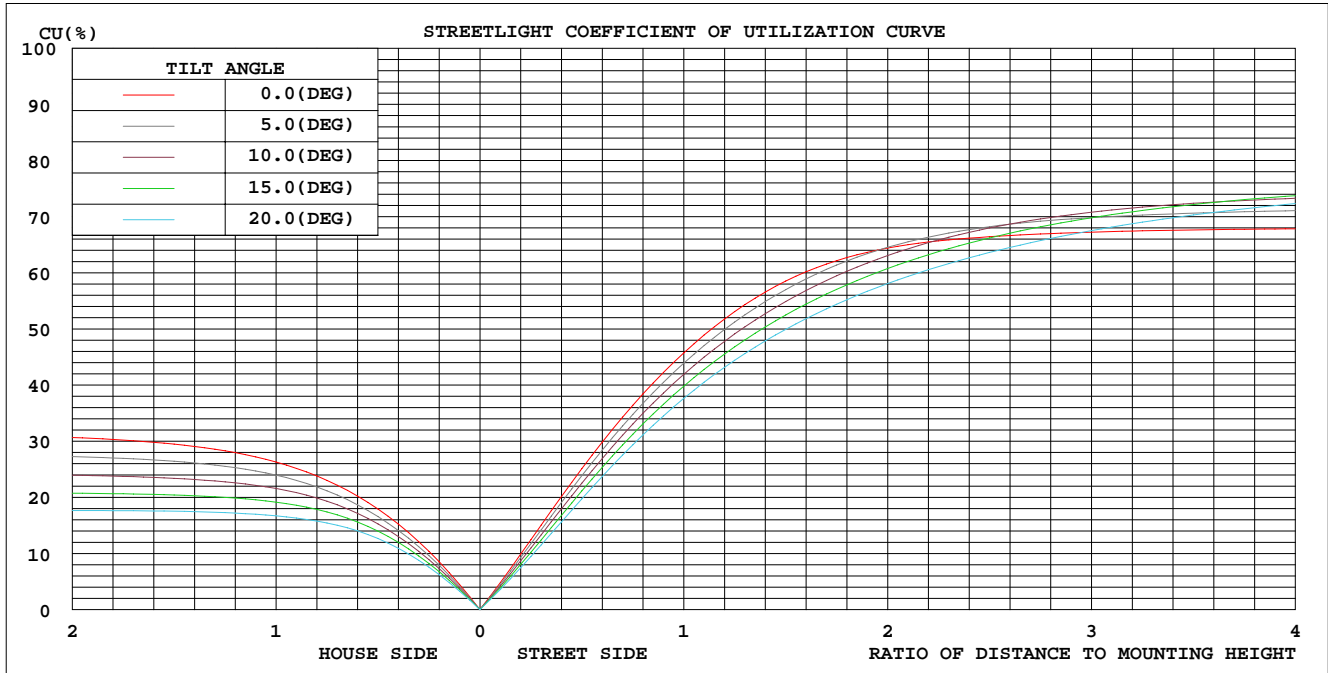
## Classification:

IES:Type III - Medium  
CIE:Broad - Long  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:118.9cd/klm  
Max.At90:0cd/klm  
Max.80-90:118.9cd/klm  
NRB 5101:Limited[5.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3301
90%	2971
80%	2640
70%	2310
60%	1980
50%	1650
40%	1320
30%	990
20%	660
10%	330
5%	165

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [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: 2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

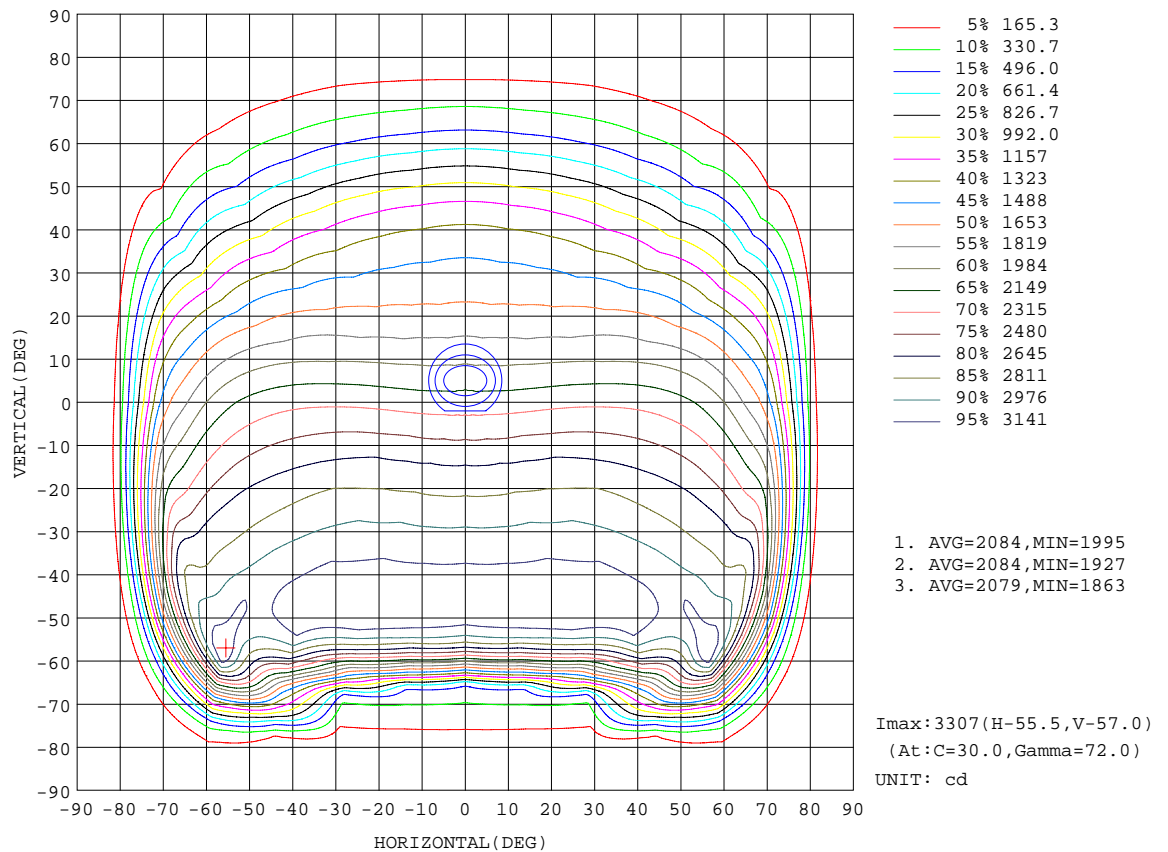
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	2237	2436	2516	2436	2237	2025	1950	2025	0- 10	212.8	212.8	2.35,2.35
20	2265	2666	2766	2666	2265	1831	1712	1831	10- 20	635.5	848.3	9.38,9.38
30	2281	2859	2993	2859	2281	1657	1546	1657	20- 30	1045	1894	20.9,20.9
40	2267	3034	3176	3034	2267	1451	1351	1451	30- 40	1421	3314	36.6,36.6
50	2190	3191	3192	3191	2190	1159	1027	1159	40- 50	1712	5026	55.6,55.6
60	1981	3260	1990	3260	1981	716.7	611.8	716.7	50- 60	1801	6827	75.5,75.5
70	1543	2150	320.5	2150	1543	313.3	296.0	313.3	60- 70	1405	8232	91,91
80	269.1	331.7	76.15	331.7	269.1	71.05	64.59	71.05	70- 80	747.5	8980	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	65.50	9045	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9045	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9045	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9045	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9045	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9045	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9045	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9045	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9045	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9045	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:2020-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

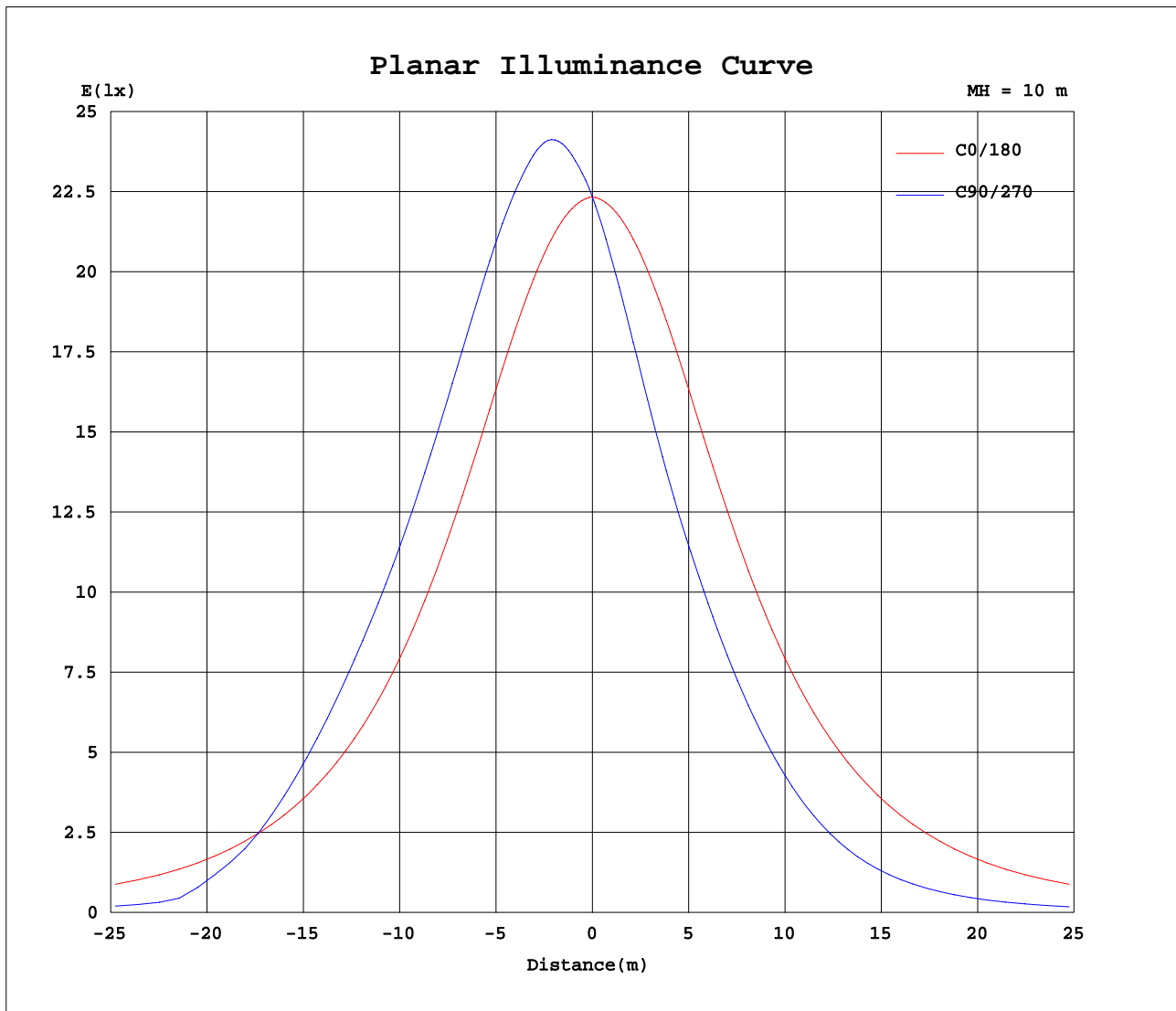
Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



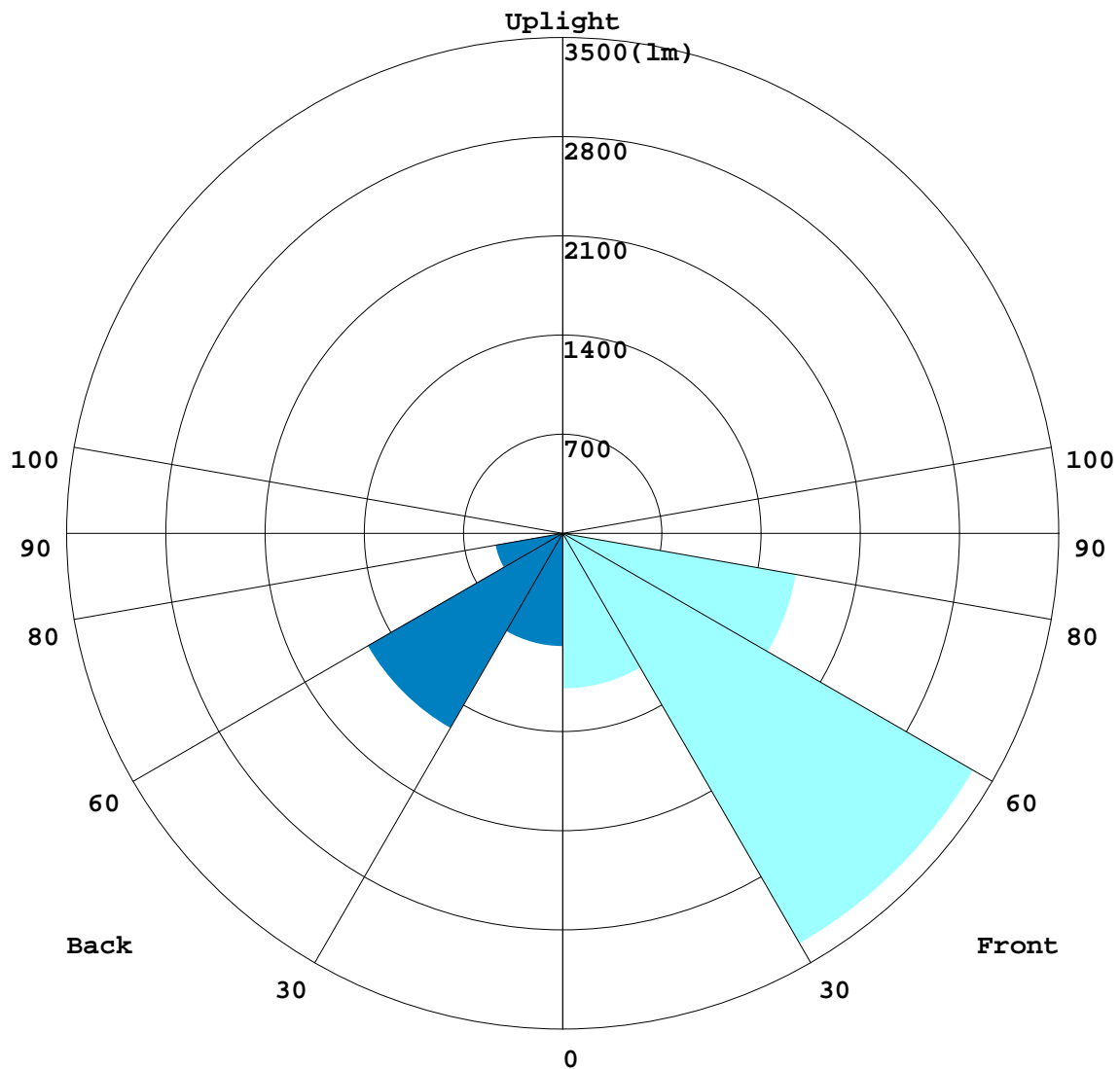
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	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:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1096.2	12.1
FM - Front-Medium(30-60)	3345.2	37.0
FH - Front-High(60-80)	1672.7	18.5
FVH - Front-Very High(80-90)	50.34	0.6
Total Forward Light	6164.5	68.2

BL - Back-Low(0-30)	797.35	8.8
BM - Back-Medium(30-60)	1588.4	17.6
BH - Back-High(60-80)	479.75	5.3
BVH - Back-Very High(80-90)	15.159	0.2
Total Back Light	2880.7	31.8

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	B2-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2880.7	0	2880.7
Street Side	6164.5	0	6164.5

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-13

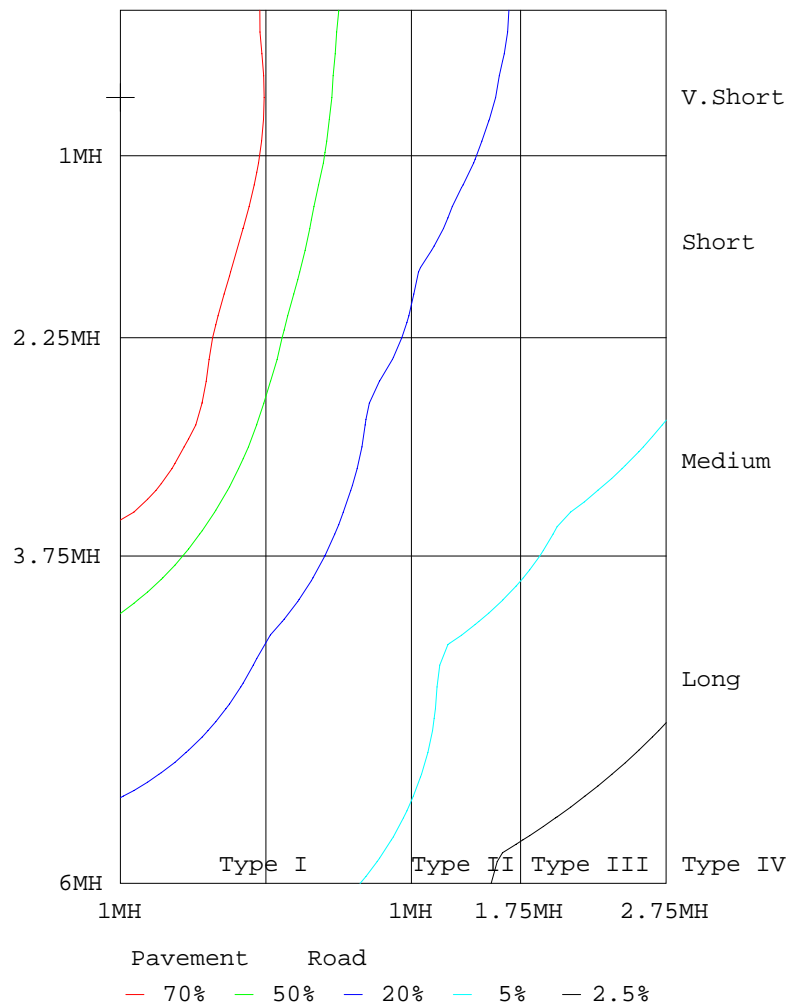
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	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:2020-04-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	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	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230	2230
5	2229	2265	2298	2327	2349	2363	2369	2363	2349	2327	2298	2265	2229	2191	2156	2125	2103	2089	2086
10	2237	2310	2377	2436	2480	2507	2516	2507	2480	2436	2377	2310	2237	2158	2086	2025	1982	1956	1950
15	2250	2363	2470	2553	2610	2642	2651	2642	2610	2553	2470	2363	2250	2128	2018	1926	1865	1831	1823
20	2265	2421	2564	2666	2723	2756	2766	2756	2723	2666	2564	2421	2265	2096	1946	1831	1757	1720	1712
25	2276	2476	2651	2765	2833	2872	2884	2872	2833	2765	2651	2476	2276	2061	1870	1739	1664	1627	1621
30	2281	2523	2727	2859	2941	2981	2993	2981	2941	2859	2727	2523	2281	2017	1794	1657	1578	1550	1546
35	2279	2558	2791	2951	3036	3081	3094	3081	3036	2951	2791	2558	2279	1964	1715	1558	1488	1461	1458
40	2267	2583	2846	3034	3129	3170	3176	3170	3129	3034	2846	2583	2267	1896	1619	1451	1383	1354	1351
45	2239	2603	2889	3113	3213	3228	3221	3228	3213	3113	2889	2603	2239	1806	1491	1323	1251	1215	1209
50	2190	2618	2933	3191	3266	3236	3192	3236	3266	3191	2933	2618	2190	1687	1331	1159	1078	1031	1027
55	2109	2629	2982	3266	3213	3027	2878	3027	3213	3266	2982	2629	2109	1526	1129	953	865	818	816
60	1981	2632	3046	3260	2795	2271	1990	2271	2795	3260	3046	2632	1981	1305	887	717	646	609	612
65	1791	2640	3151	2965	1785	1033	593	1033	1785	2965	3151	2640	1791	1015	615	491	452	425	429
70	1543	2766	3214	2150	573	360	320	360	573	2150	3214	2766	1543	647	367	313	303	291	296
75	929	2166	2924	1321	230	198	186	198	230	1321	2924	2166	929	289	193	177	179	167	158
80	269	710	1075	332	93.1	82.7	76.2	82.7	93.1	332	1075	710	269	94.2	79.7	71.0	78.1	62.7	64.6
85	25.6	42.8	130	34.4	21.5	17.4	16.1	17.4	21.5	34.4	130	42.8	25.6	20.8	17.9	15.1	15.5	14.8	15.4
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:2020-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2816A P:60.00W PF:0.9717 Freq:49.99Hz Lamp Flux:9045.18x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T321-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2230	2230	2230	2230	2230														
5	2089	2103	2125	2156	2191														
10	1956	1982	2025	2086	2158														
15	1831	1865	1926	2018	2128														
20	1720	1757	1831	1946	2096														
25	1627	1664	1739	1870	2061														
30	1550	1578	1657	1794	2017														
35	1461	1488	1558	1715	1964														
40	1354	1383	1451	1619	1896														
45	1215	1251	1323	1491	1806														
50	1031	1078	1159	1331	1687														
55	818	865	953	1129	1526														
60	609	646	717	887	1305														
65	425	452	491	615	1015														
70	291	303	313	367	647														
75	167	179	177	193	289														
80	62.7	78.1	71.0	79.7	94.2														
85	14.8	15.5	15.1	17.9	20.8														
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:2020-04-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks: