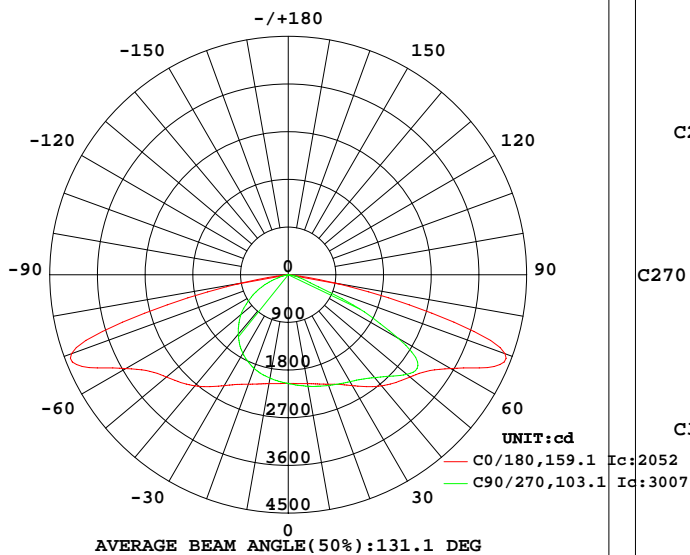
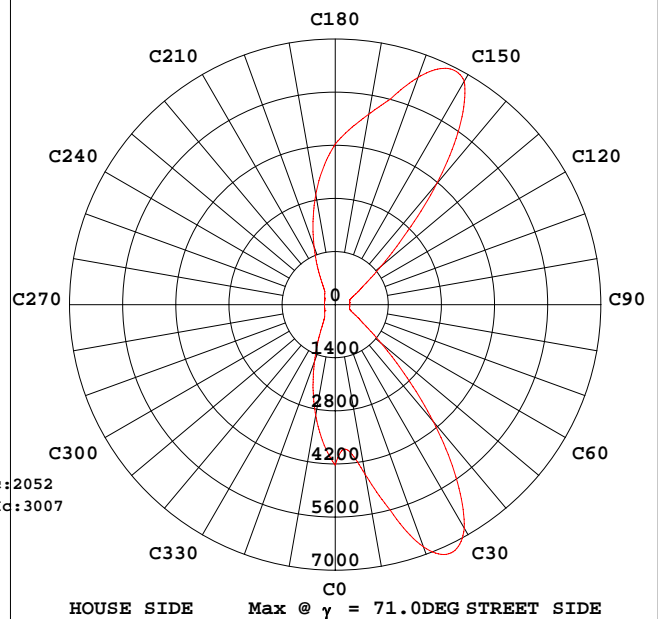


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-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: 138.35 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6802	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	64.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11042	η house_up(%)	0.0
NOMINAL FLUX(lm)	11041.8	MAXIMUM @(C,γ )	30,71.0	η house_down(%)	36.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.379

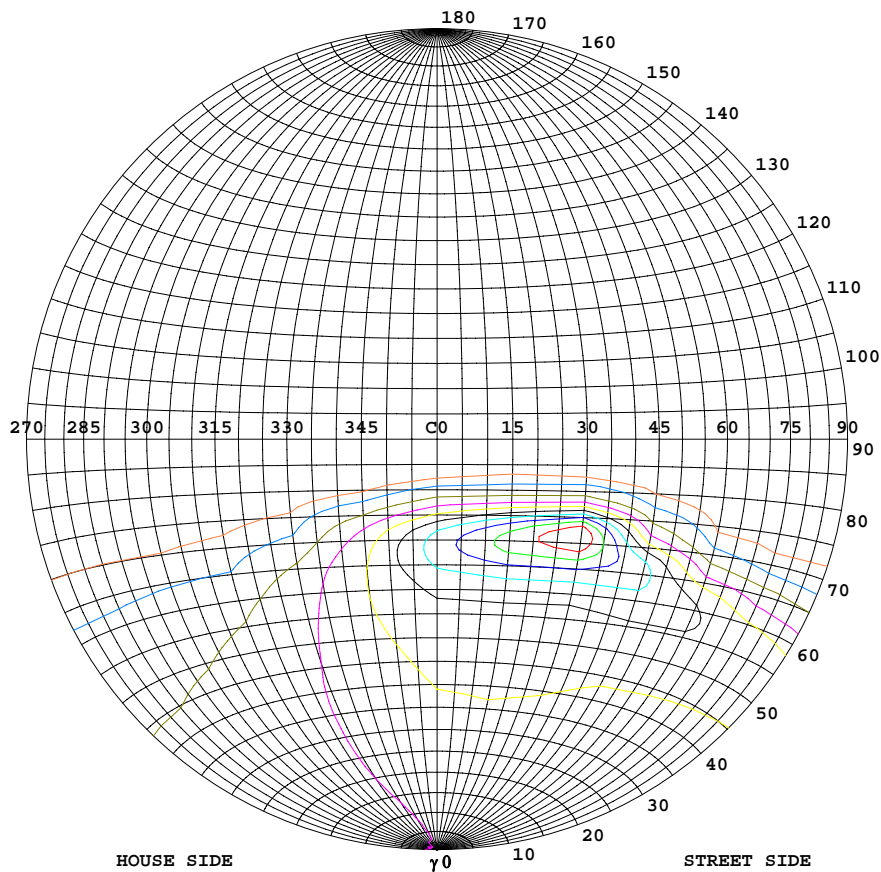
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



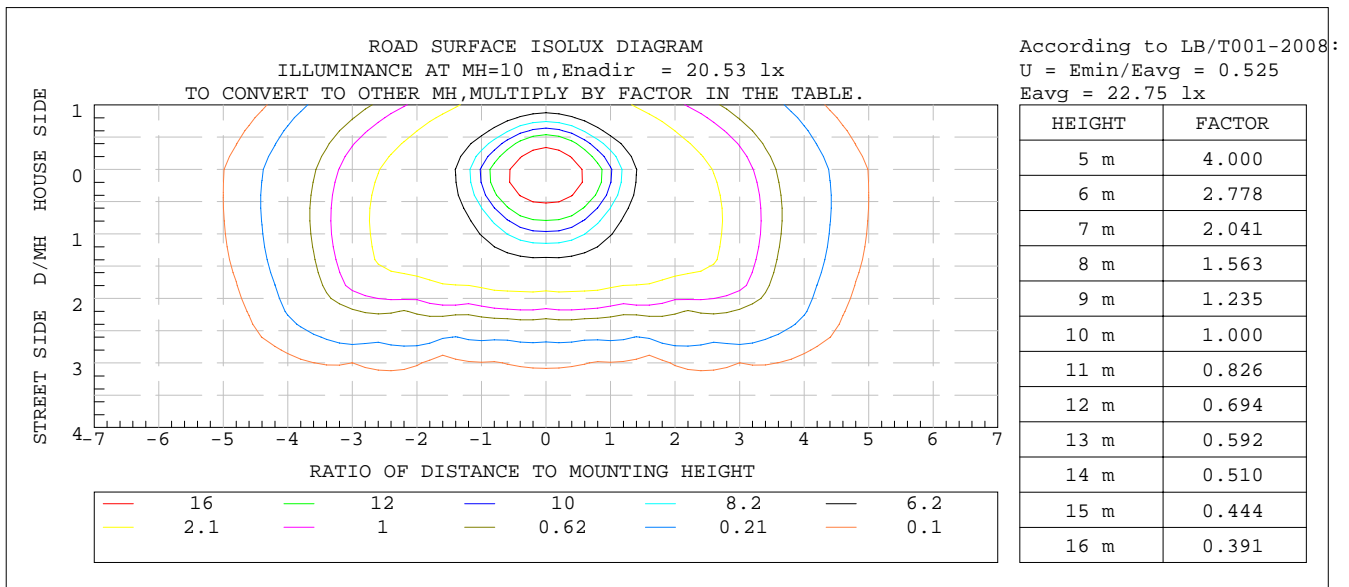
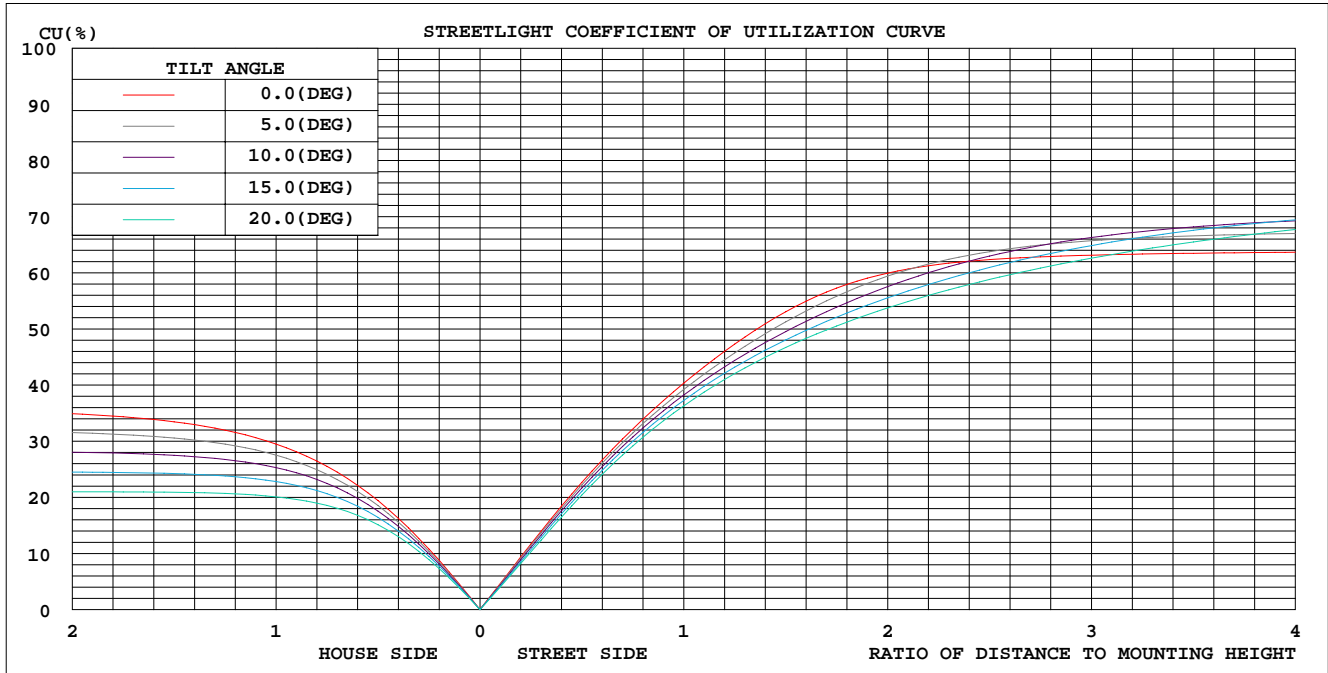
## Classification:

IES:Type III - Medium  
CIE:Broad - Long  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:99.50cd/klm  
Max.At90:0cd/klm  
Max.80-90:99.50cd/klm  
NRB 5101:Limited[6.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6802
90%	6122
80%	5441
70%	4761
60%	4081
50%	3401
40%	2721
30%	2041
20%	1360
10%	680
5%	340

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:

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:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

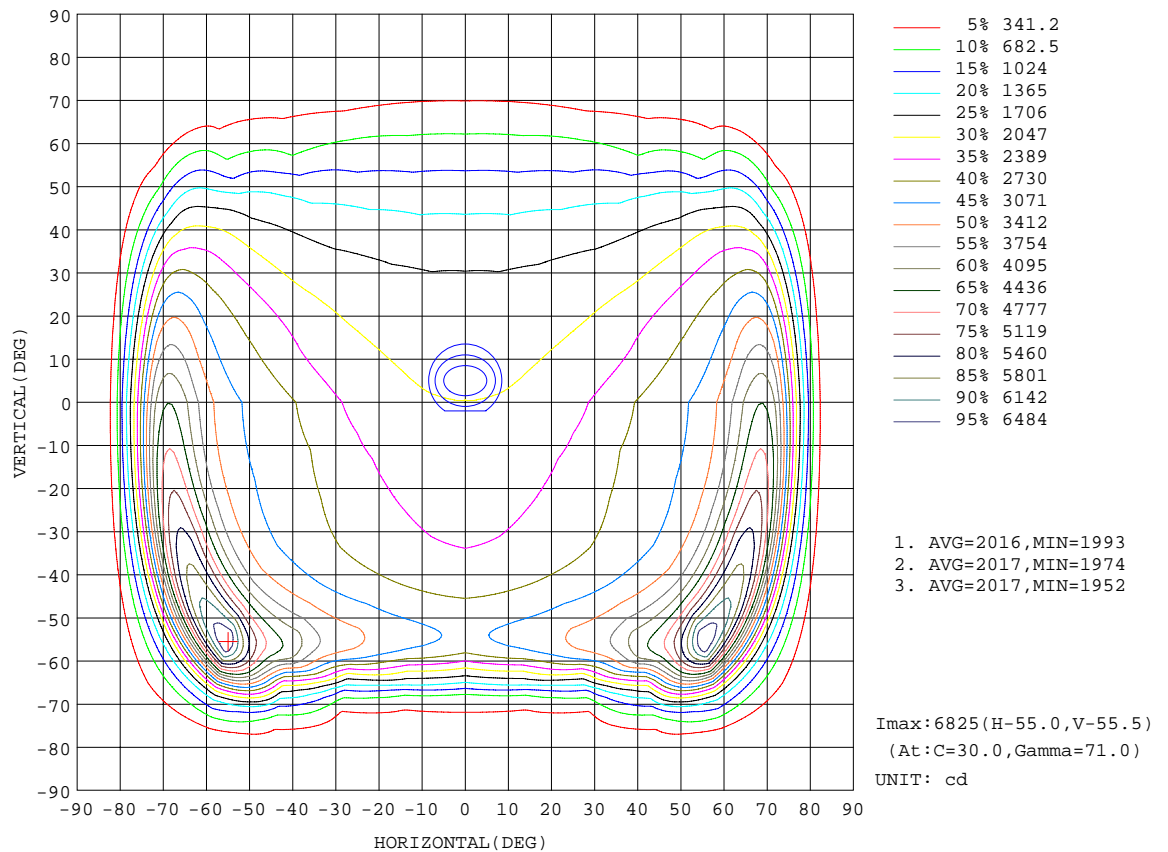
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2087	2132	2138	2132	2087	2012	1982	2012	0- 10	197.0	197.0	1.78,1.78
20	2199	2268	2224	2268	2199	1982	1883	1982	10- 20	594.9	792.0	7.17,7.17
30	2417	2453	2331	2453	2417	1927	1715	1927	20- 30	1001	1793	16.2,16.2
40	2737	2648	2537	2648	2737	1813	1468	1813	30- 40	1412	3205	29,29
50	3003	2966	2925	2966	3003	1580	1165	1580	40- 50	1815	5020	45.5,45.5
60	3542	3821	2391	3821	3542	1142	771.7	1142	50- 60	2203	7223	65.4,65.4
70	4353	3023	442.0	3023	4353	442.6	334.0	442.6	60- 70	2377	9601	86.9,86.9
80	890.9	330.1	103.7	330.1	890.9	74.32	37.77	74.32	70- 80	1349	10950	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	92.27	11042	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11042	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11042	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11042	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11042	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11042	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11042	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11042	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11042	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11042	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

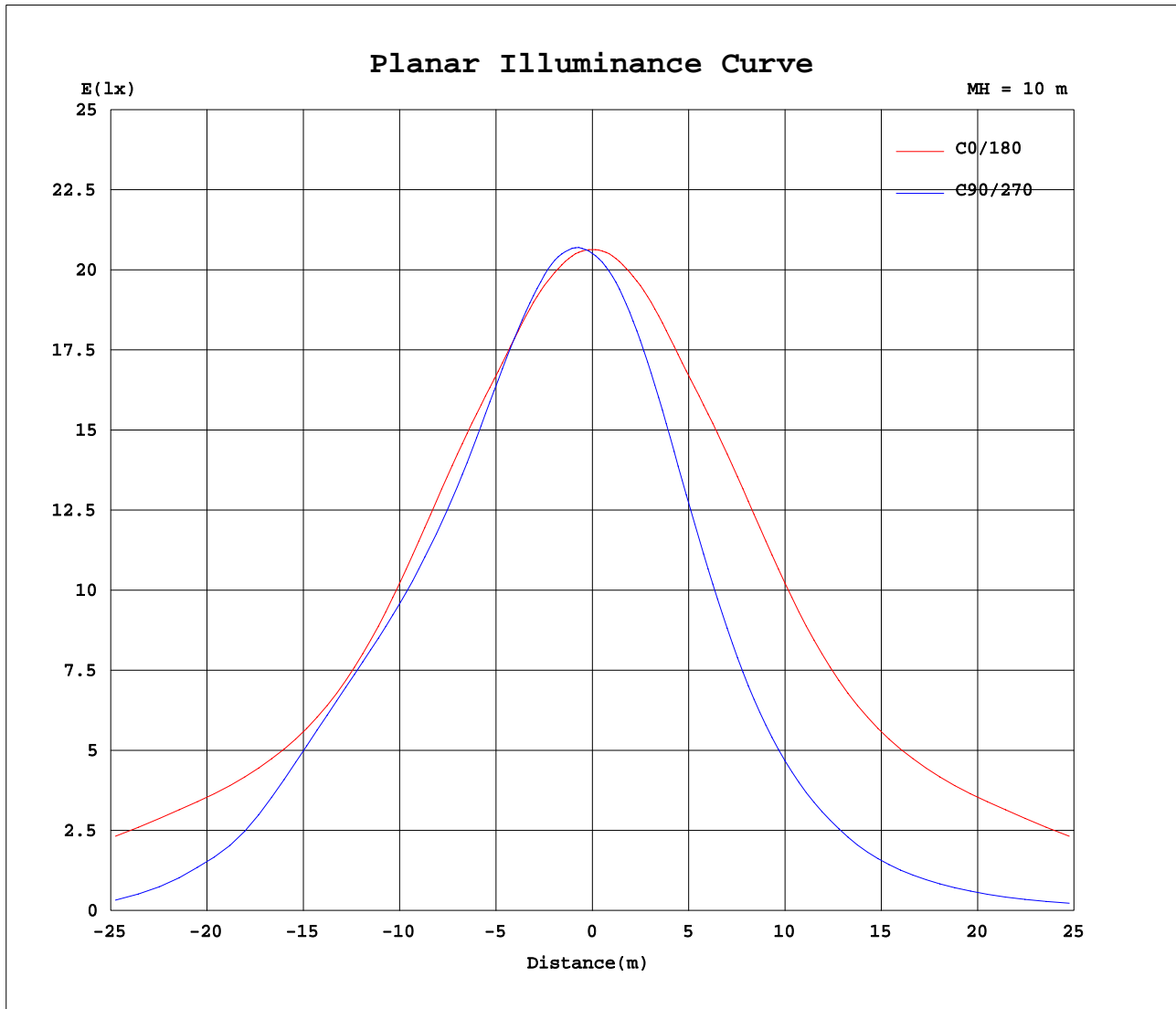
Test:U:219.1V I:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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



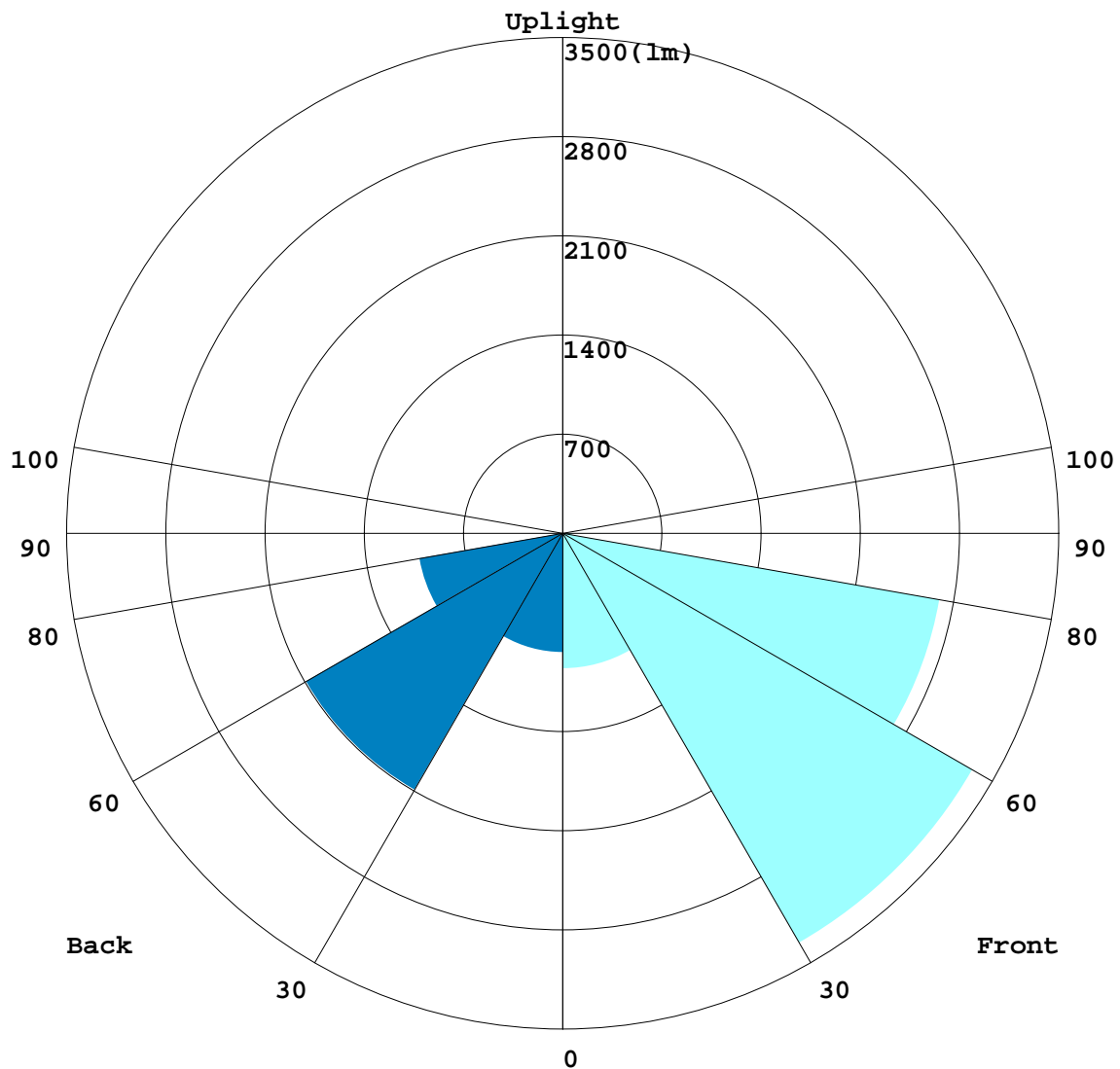
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-12-26

$\gamma$  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:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-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:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-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)	953.89	8.6
FM - Front-Medium(30-60)	3338.4	30.2
FH - Front-High(60-80)	2700.3	24.5
FVH - Front-Very High(80-90)	70.216	0.6
Total Forward Light	7062.8	64.0

BL - Back-Low(0-30)	839.55	7.6
BM - Back-Medium(30-60)	2091.3	18.9
BH - Back-High(60-80)	1026	9.3
BVH - Back-Very High(80-90)	22.054	0.2
Total Back Light	3979	36.0

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3979	0	3979
Street Side	7062.8	0	7062.8

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

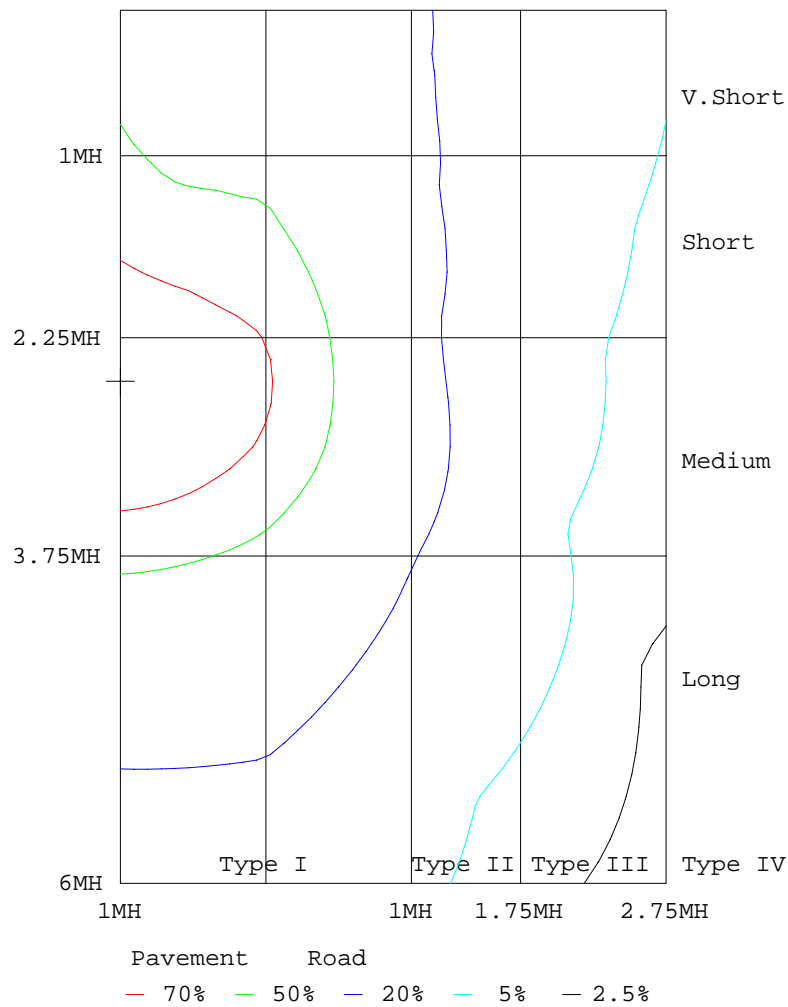
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.1V I:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-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:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052
5	2063	2072	2081	2088	2092	2092	2094	2092	2092	2088	2081	2072	2063	2050	2040	2031	2024	2021	2020
10	2087	2107	2124	2132	2138	2140	2138	2140	2138	2132	2124	2107	2087	2059	2034	2012	1994	1986	1982
15	2136	2164	2183	2191	2192	2185	2179	2185	2192	2191	2183	2164	2136	2084	2036	1995	1960	1944	1939
20	2199	2242	2270	2268	2255	2236	2224	2236	2255	2268	2270	2242	2199	2121	2046	1982	1927	1892	1883
25	2285	2352	2378	2360	2329	2293	2274	2293	2329	2360	2378	2352	2285	2166	2056	1960	1876	1820	1804
30	2417	2497	2498	2453	2408	2359	2331	2359	2408	2453	2498	2497	2417	2224	2066	1927	1807	1733	1715
35	2578	2650	2617	2548	2496	2443	2409	2443	2496	2548	2617	2650	2578	2299	2075	1877	1723	1626	1603
40	2737	2792	2729	2648	2608	2568	2537	2568	2608	2648	2729	2792	2737	2401	2073	1813	1619	1494	1468
45	2875	2919	2841	2776	2771	2748	2711	2748	2771	2776	2841	2919	2875	2523	2051	1719	1484	1352	1322
50	3003	3025	2967	2966	3018	2988	2925	2988	3018	2966	2967	3025	3003	2625	2005	1580	1325	1192	1165
55	3183	3210	3174	3298	3334	3170	2990	3170	3334	3298	3174	3210	3183	2694	1923	1403	1130	995	967
60	3542	3655	3633	3821	3457	2804	2391	2804	3457	3821	3633	3655	3542	2745	1774	1142	897	793	772
65	4146	4685	4778	4318	2422	1682	1358	1682	2422	4318	4778	4685	4146	2723	1478	723	634	578	559
70	4353	5701	6656	3023	895	474	442	474	895	3023	6656	5701	4353	2402	840	443	352	348	334
75	2805	3762	4756	1254	279	240	226	240	279	1254	4756	3762	2805	1386	412	224	172	144	145
80	891	1012	1099	330	117	105	104	105	117	330	1099	1012	891	297	109	74.3	57.9	35.8	37.8
85	74.4	82.2	119	49.0	26.7	28.1	27.2	28.1	26.7	49.0	119	82.2	74.4	36.1	25.4	13.2	6.12	3.28	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:0.3720A P:79.81W PF:0.9792 Freq:50.18Hz Lamp Flux:11041.8x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-80WIL02-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	2052	2052	2052	2052	2052														
5	2021	2024	2031	2040	2050														
10	1986	1994	2012	2034	2059														
15	1944	1960	1995	2036	2084														
20	1892	1927	1982	2046	2121														
25	1820	1876	1960	2056	2166														
30	1733	1807	1927	2066	2224														
35	1626	1723	1877	2075	2299														
40	1494	1619	1813	2073	2401														
45	1352	1484	1719	2051	2523														
50	1192	1325	1580	2005	2625														
55	995	1130	1403	1923	2694														
60	793	897	1142	1774	2745														
65	578	634	723	1478	2723														
70	348	352	443	840	2402														
75	144	172	224	412	1386														
80	35.8	57.9	74.3	109	297														
85	3.28	6.12	13.2	25.4	36.1														
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:  
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: