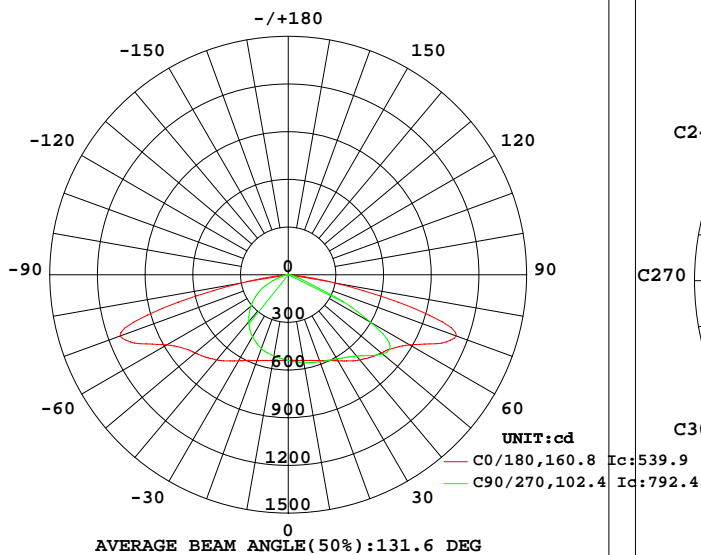
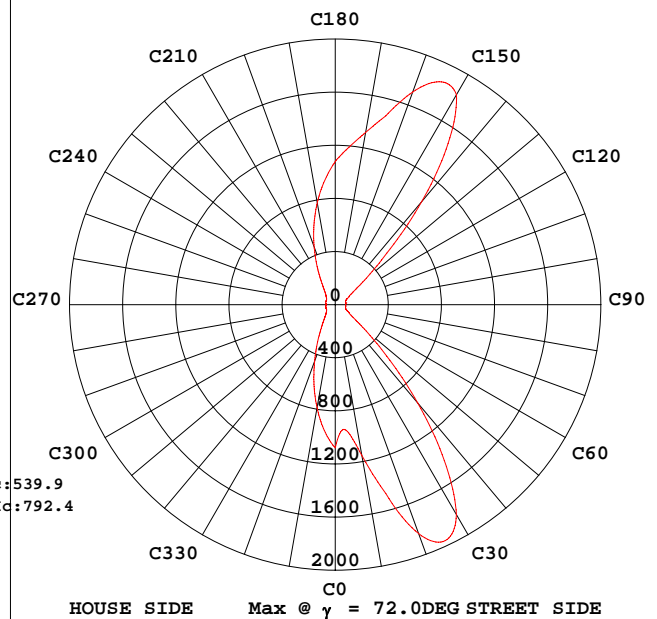


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-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: 144.19 lm/W			
MODEL	3030	I _{max} (cd)	1825	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	63.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2910	η house_up(%)	0.0
NOMINAL FLUX(lm)	2910.35	MAXIMUM @(C,γ)	30,72.0	η house_down(%)	37.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.835

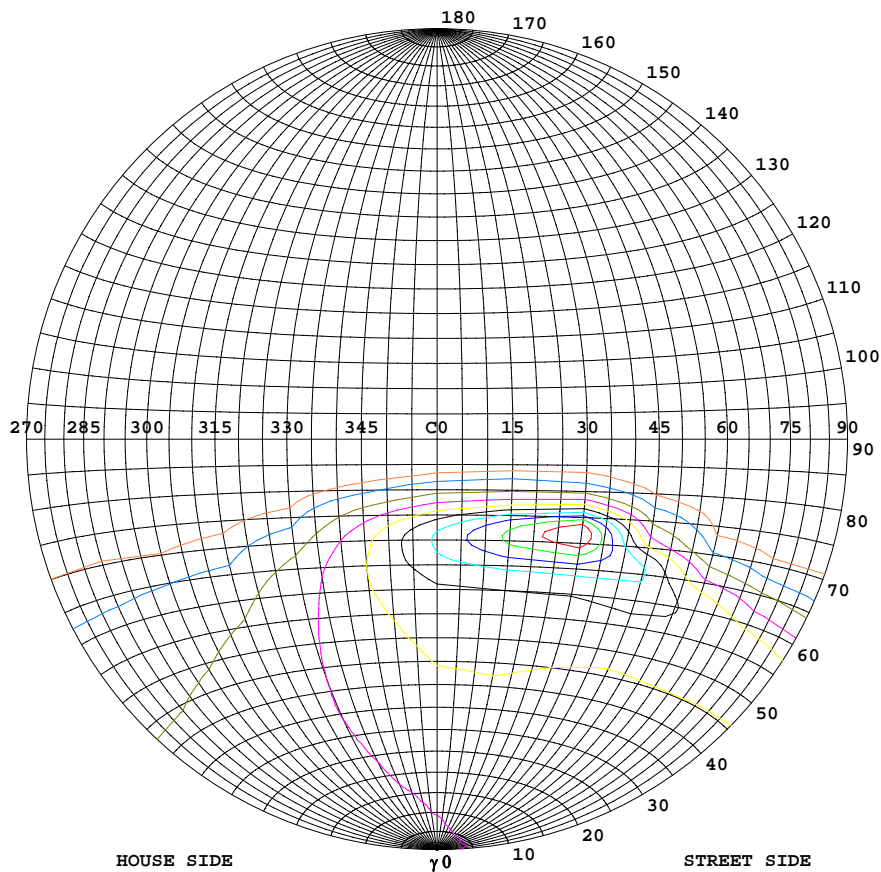
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



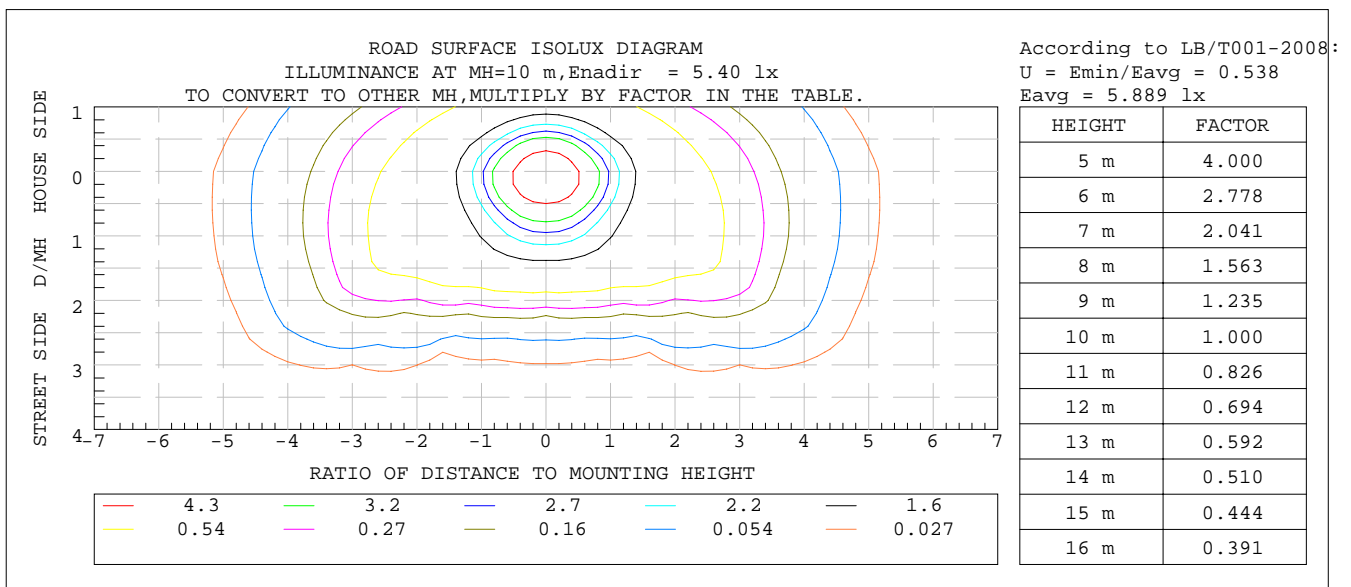
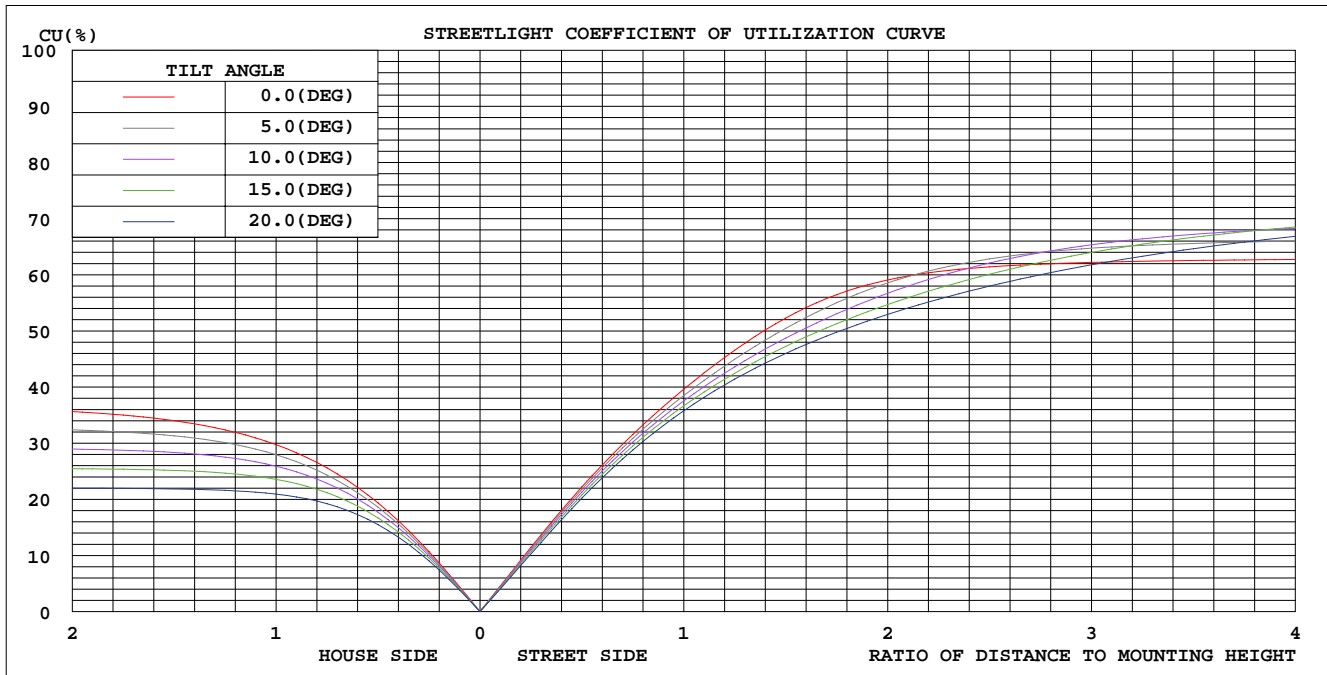
Classification:

IES:Type III - Medium
 CIE:Broad - Long
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:117.1cd/klm
 Max.At90:0cd/klm
 Max.80-90:117.1cd/klm
 NRB 5101:Limited[9.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1825
90%	1642
80%	1460
70%	1277
60%	1095
50%	912
40%	730
30%	547
20%	365
10%	182
5%	91

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

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:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

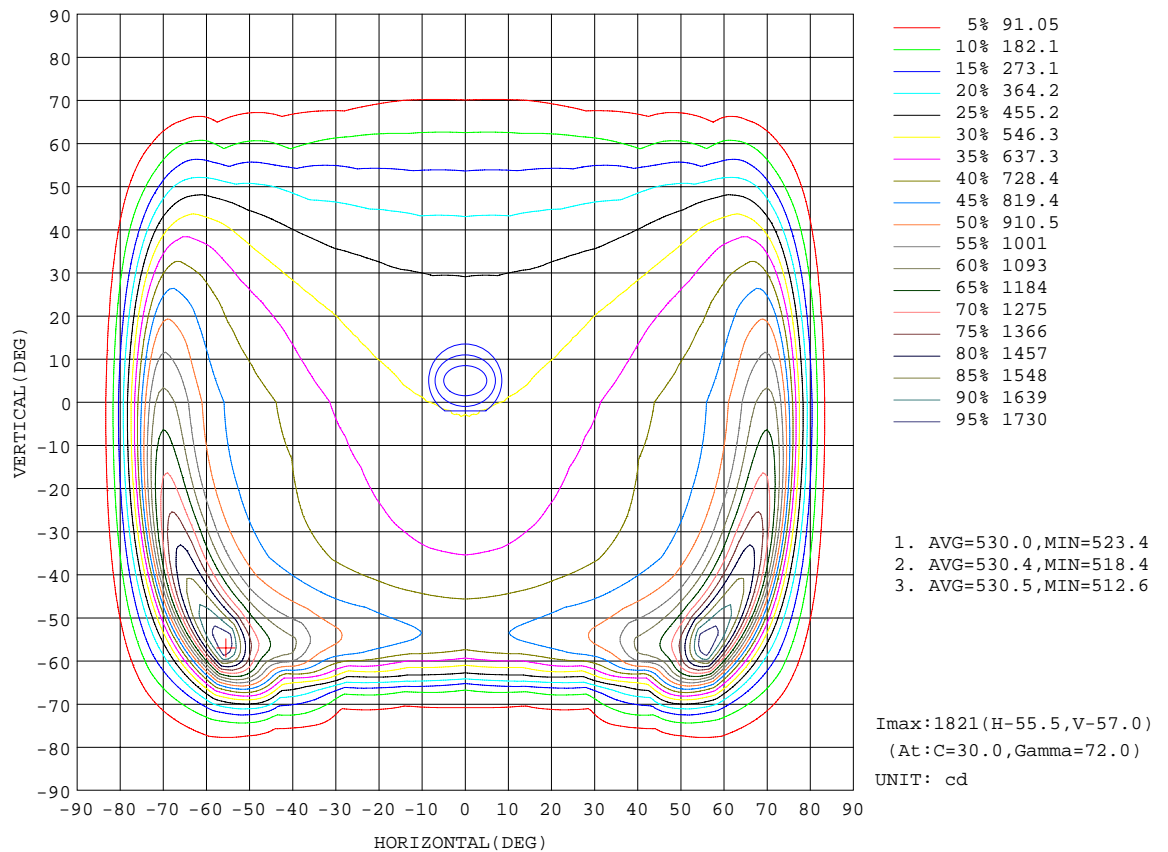
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	548.7	559.8	562.1	559.8	548.7	528.7	519.4	528.7	0- 10	51.77	51.77	1.78,1.78
20	574.7	593.9	582.8	593.9	574.7	521.5	494.9	521.5	10- 20	156.2	207.9	7.14,7.14
30	626.0	637.1	611.8	637.1	626.0	508.5	450.6	508.5	20- 30	262.1	470.0	16.1,16.1
40	699.4	684.0	668.9	684.0	699.4	479.8	385.2	479.8	30- 40	368.5	838.5	28.8,28.8
50	767.3	766.9	776.1	766.9	767.3	425.5	305.9	425.5	40- 50	473.6	1312	45.1,45.1
60	883.0	990.3	600.4	990.3	883.0	322.4	208.4	322.4	50- 60	572.5	1885	64.8,64.8
70	1126	746.9	103.2	746.9	1126	129.6	91.78	129.6	60- 70	608.5	2493	85.7,85.7
80	302.5	85.47	21.75	85.47	302.5	23.98	21.36	23.98	70- 80	383.8	2877	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	33.44	2910	100,100
100	0	0	0	0	0	0	0	0	90-100	0	2910	100,100
110	0	0	0	0	0	0	0	0	100-110	0	2910	100,100
120	0	0	0	0	0	0	0	0	110-120	0	2910	100,100
130	0	0	0	0	0	0	0	0	120-130	0	2910	100,100
140	0	0	0	0	0	0	0	0	130-140	0	2910	100,100
150	0	0	0	0	0	0	0	0	140-150	0	2910	100,100
160	0	0	0	0	0	0	0	0	150-160	0	2910	100,100
170	0	0	0	0	0	0	0	0	160-170	0	2910	100,100
180	0	0	0	0	0	0	0	0	170-180	0	2910	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

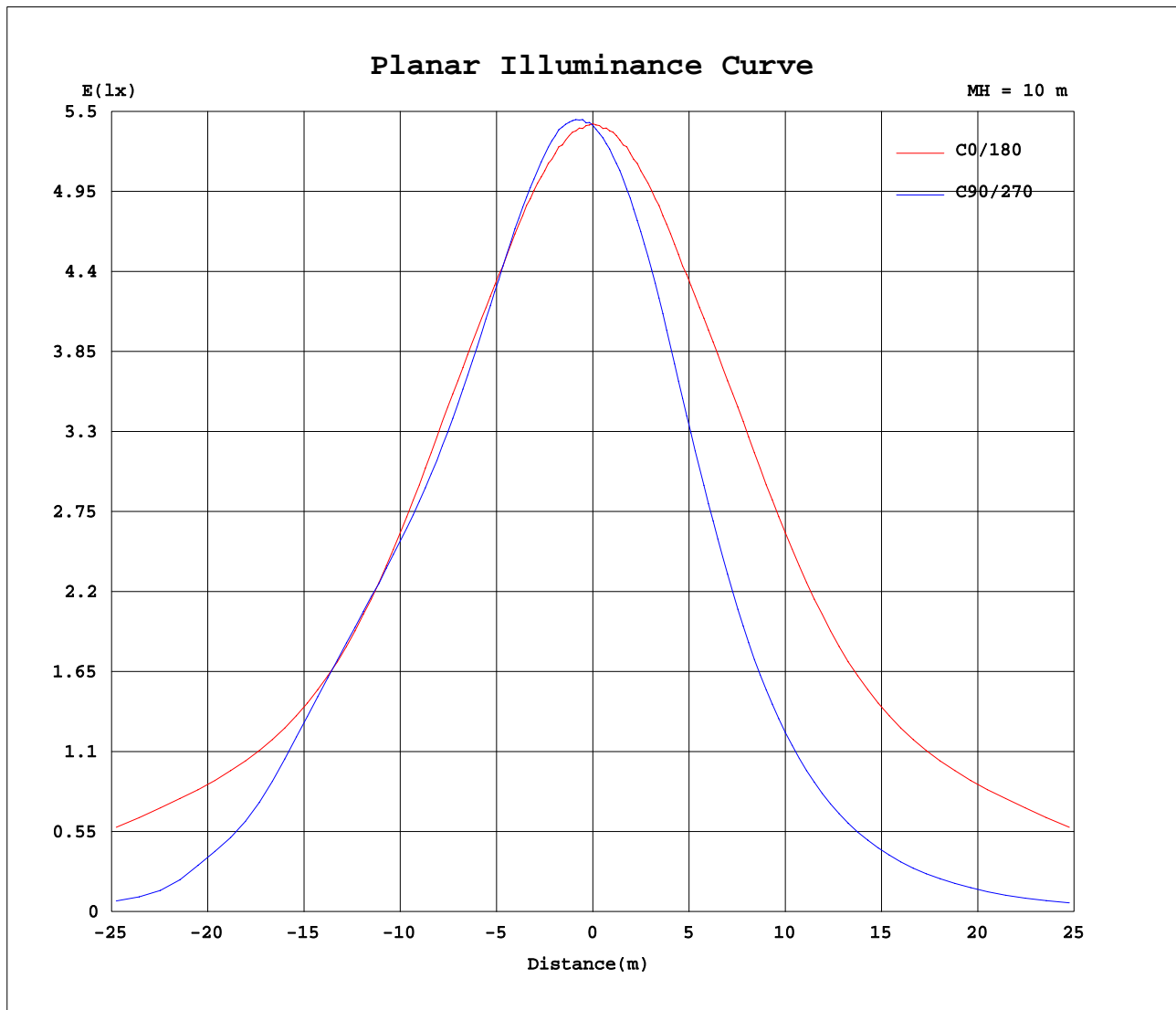
Test:U:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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

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



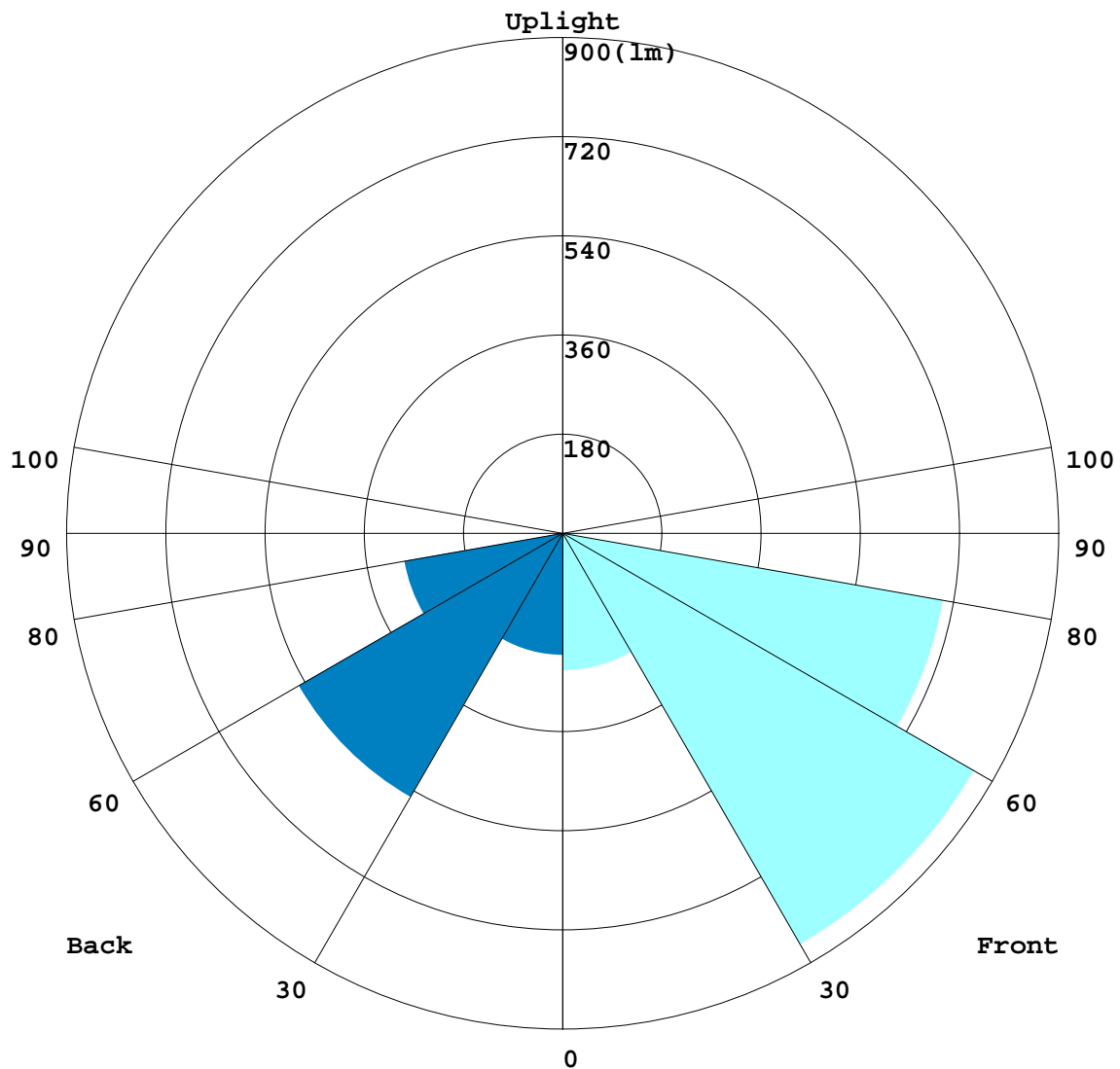
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-26

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:

LCS REPORT

Test:U:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-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

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:

BUG REPORT

Test:U:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-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)	248.99	8.6
FM - Front-Medium(30-60)	861.58	29.6
FH - Front-High(60-80)	700.72	24.1
FVH - Front-Very High(80-90)	23.287	0.8
Total Forward Light	1834.6	63.0

BL - Back-Low(0-30)	221.03	7.6
BM - Back-Medium(30-60)	553.01	19.0
BH - Back-High(60-80)	291.58	10.0
BVH - Back-Very High(80-90)	10.153	0.3
Total Back Light	1075.8	37.0

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1075.8	0	1075.8
Street Side	1834.6	0	1834.6

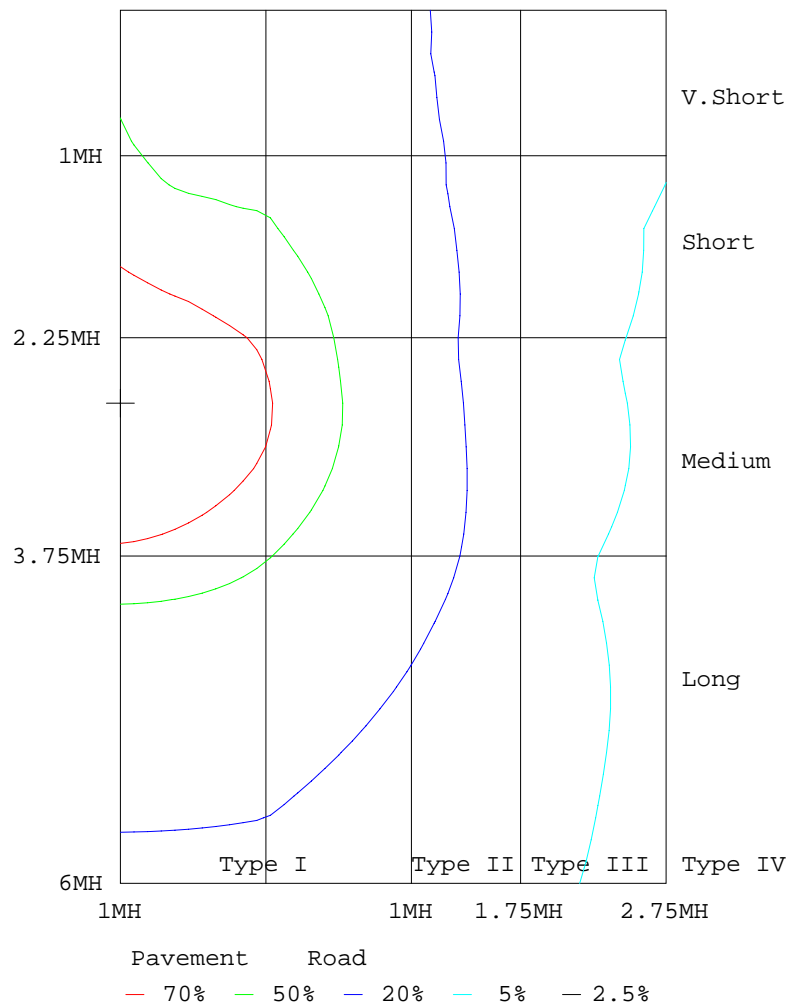
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-26

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:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-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

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:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-NV-L3-00-3070-T301-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:150*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	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
5	541	545	548	550	550	549	550	549	550	550	548	545	541	540	537	533	531	530	530
10	549	554	558	560	563	562	562	562	563	560	558	554	549	542	535	529	523	521	519
15	559	568	574	573	575	573	571	573	575	573	574	568	559	548	537	524	515	511	509
20	575	588	595	594	589	585	583	585	589	594	595	588	575	558	539	522	506	497	495
25	594	613	619	616	608	600	596	600	608	616	619	613	594	570	542	515	494	479	473
30	626	645	648	637	628	615	612	615	628	637	648	645	626	586	545	508	476	457	451
35	662	682	674	660	649	639	634	639	649	660	674	682	662	605	550	497	455	429	421
40	699	716	703	684	681	673	669	673	681	684	703	716	699	632	549	480	429	396	385
45	734	748	730	718	725	725	720	725	725	718	730	748	734	660	546	458	395	358	348
50	767	776	761	767	792	788	776	788	792	767	761	776	767	685	537	425	353	316	306
55	806	817	813	853	874	824	783	824	874	853	813	817	806	704	519	380	305	270	260
60	883	912	924	990	882	687	600	687	882	990	924	912	883	723	488	322	249	216	208
65	1027	1150	1192	1114	591	398	290	398	591	1114	1192	1150	1027	732	427	225	180	157	150
70	1126	1488	1741	747	202	107	103	107	202	747	1741	1488	1126	685	290	130	93.6	98.9	91.8
75	820	1144	1366	325	66.8	54.0	50.7	54.0	66.8	325	1366	1144	820	466	135	65.9	51.9	47.4	46.1
80	303	341	321	85.5	25.6	22.4	21.8	22.4	25.6	85.5	321	341	303	144	40.4	24.0	23.6	20.6	21.4
85	35.6	47.0	40.9	14.0	5.70	5.10	4.85	5.10	5.70	14.0	40.9	47.0	35.6	12.2	8.37	6.69	5.91	5.13	6.04
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:219.2V I:0.1150A P:20.18W PF:0.8007 Freq:50.18Hz Lamp Flux:2910.35x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:2KG
SPEC.:AOK-20WIL02-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	540	540	540	540	540														
5	530	531	533	537	540														
10	521	523	529	535	542														
15	511	515	524	537	548														
20	497	506	522	539	558														
25	479	494	515	542	570														
30	457	476	508	545	586														
35	429	455	497	550	605														
40	396	429	480	549	632														
45	358	395	458	546	660														
50	316	353	425	537	685														
55	270	305	380	519	704														
60	216	249	322	488	723														
65	157	180	225	427	732														
70	98.9	93.6	130	290	685														
75	47.4	51.9	65.9	135	466														
80	20.6	23.6	24.0	40.4	144														
85	5.13	5.91	6.69	8.37	12.2														
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: