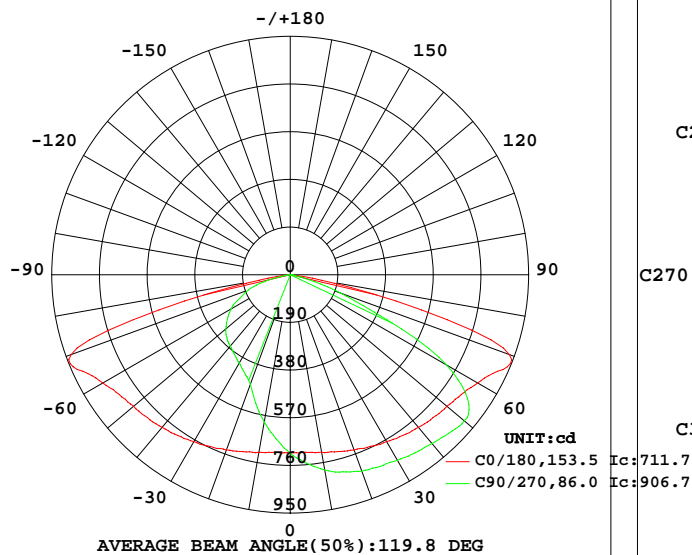
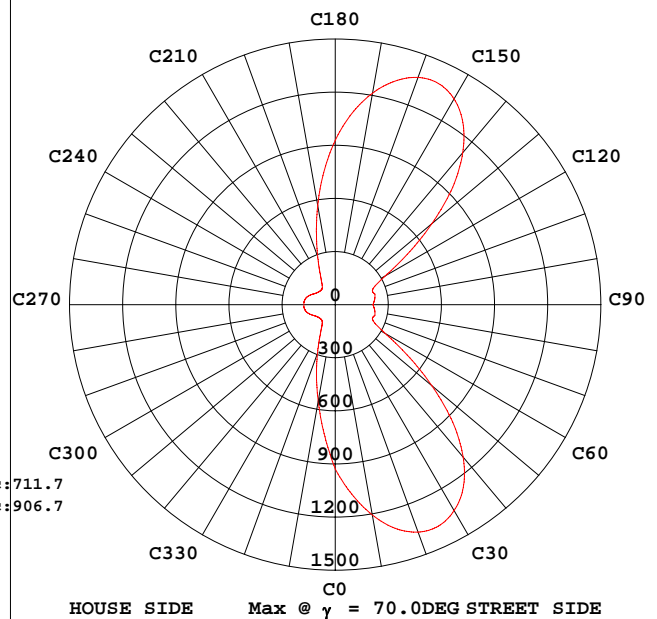


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.26 lm/W			
MODEL	3030	I _{max} (cd)	1342	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	66.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	3052	η house_up(%)	0.0
NOMINAL FLUX(lm)	3052.23	MAXIMUM @(C,γ)	30,70.0	η house_down(%)	33.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	18.458

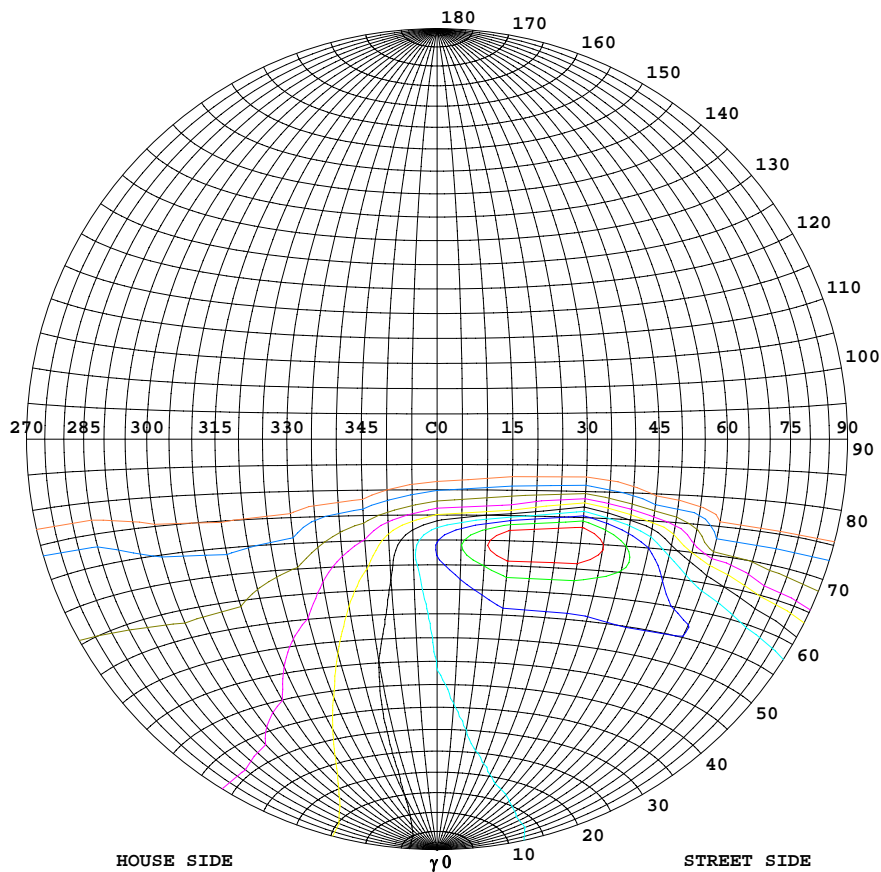
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

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:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



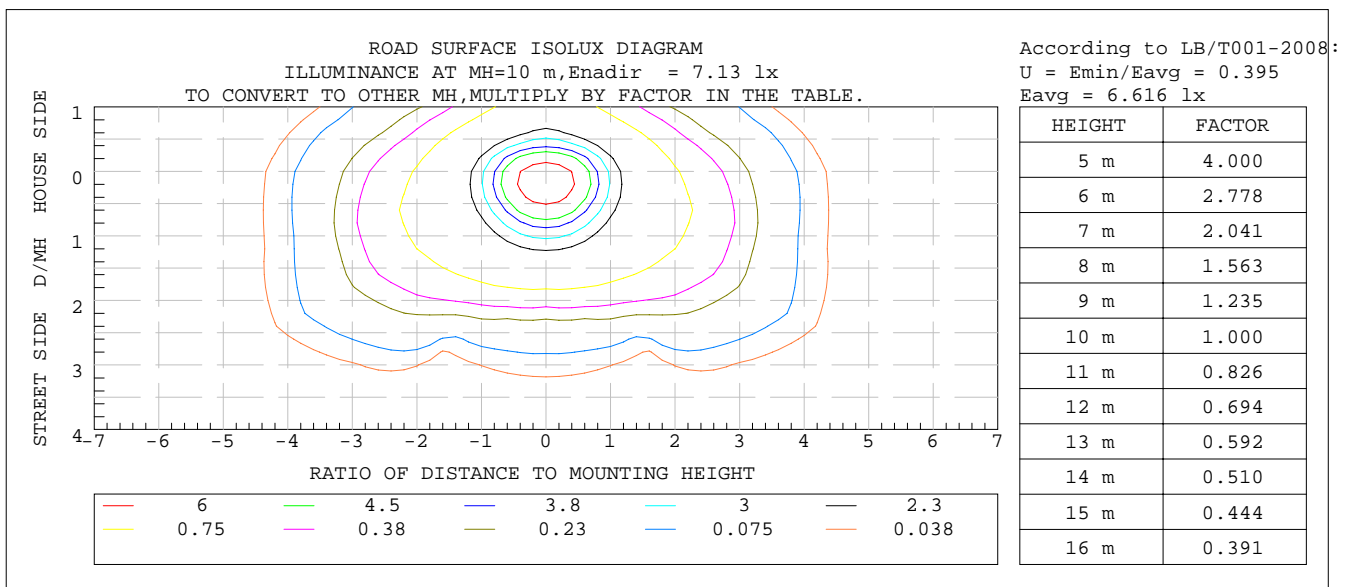
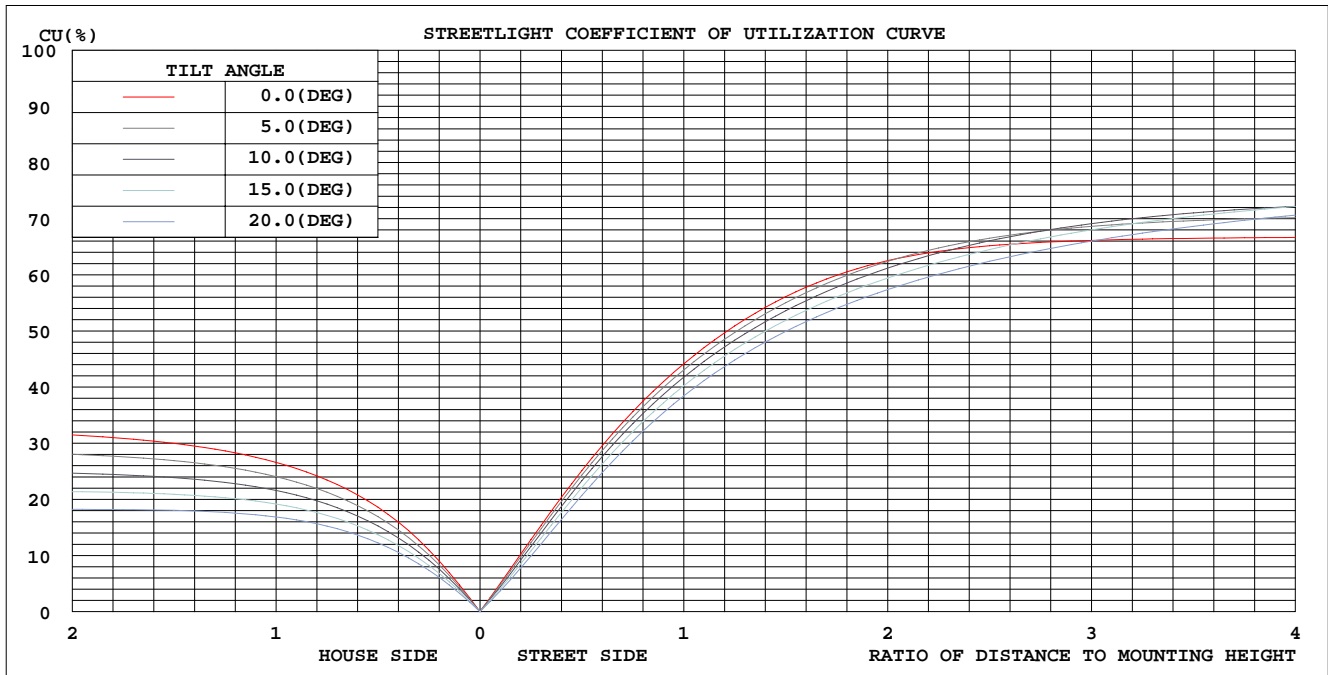
Classification:

IES:Type III - Medium
 CIE:Broad - Long
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:71.91cd/klm
 Max.At90:0cd/klm
 Max.80-90:71.91cd/klm
 NRB 5101:Limited[4.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1342
90%	1208
80%	1073
70%	939
60%	805
50%	671
40%	537
30%	403
20%	268
10%	134
5%	67

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

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:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

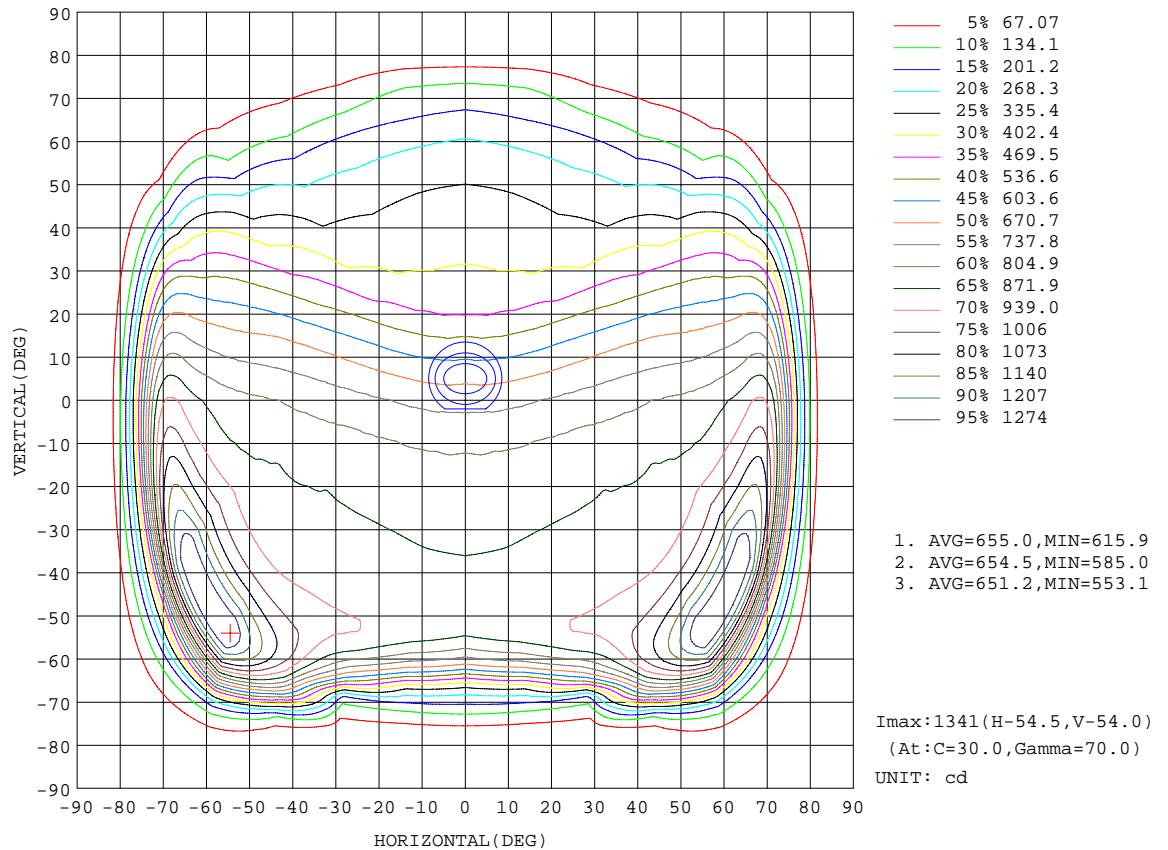
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	717.9	773.1	789.5	773.1	717.9	633.3	595.8	633.3	0- 10	67.46	67.46	2.21,2.21
20	743.2	824.7	833.6	824.7	743.2	556.6	464.5	556.6	10- 20	198.0	265.5	8.7,8.7
30	767.8	859.6	854.1	859.6	767.8	478.8	406.9	478.8	20- 30	319.0	584.4	19.1,19.1
40	794.0	880.9	878.6	880.9	794.0	403.2	372.0	403.2	30- 40	429.0	1013	33.2,33.2
50	814.9	912.1	905.5	912.1	814.9	337.9	334.9	337.9	40- 50	524.2	1538	50.4,50.4
60	862.3	979.1	717.9	979.1	862.3	258.8	272.2	258.8	50- 60	594.2	2132	69.8,69.8
70	928.7	938.2	213.5	938.2	928.7	115.6	177.9	115.6	60- 70	594.0	2726	89.3,89.3
80	126.2	55.72	22.06	55.72	126.2	24.44	25.75	24.44	70- 80	308.0	3034	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	18.46	3052	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3052	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3052	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3052	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3052	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3052	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3052	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3052	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3052	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3052	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:2020-04-11

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

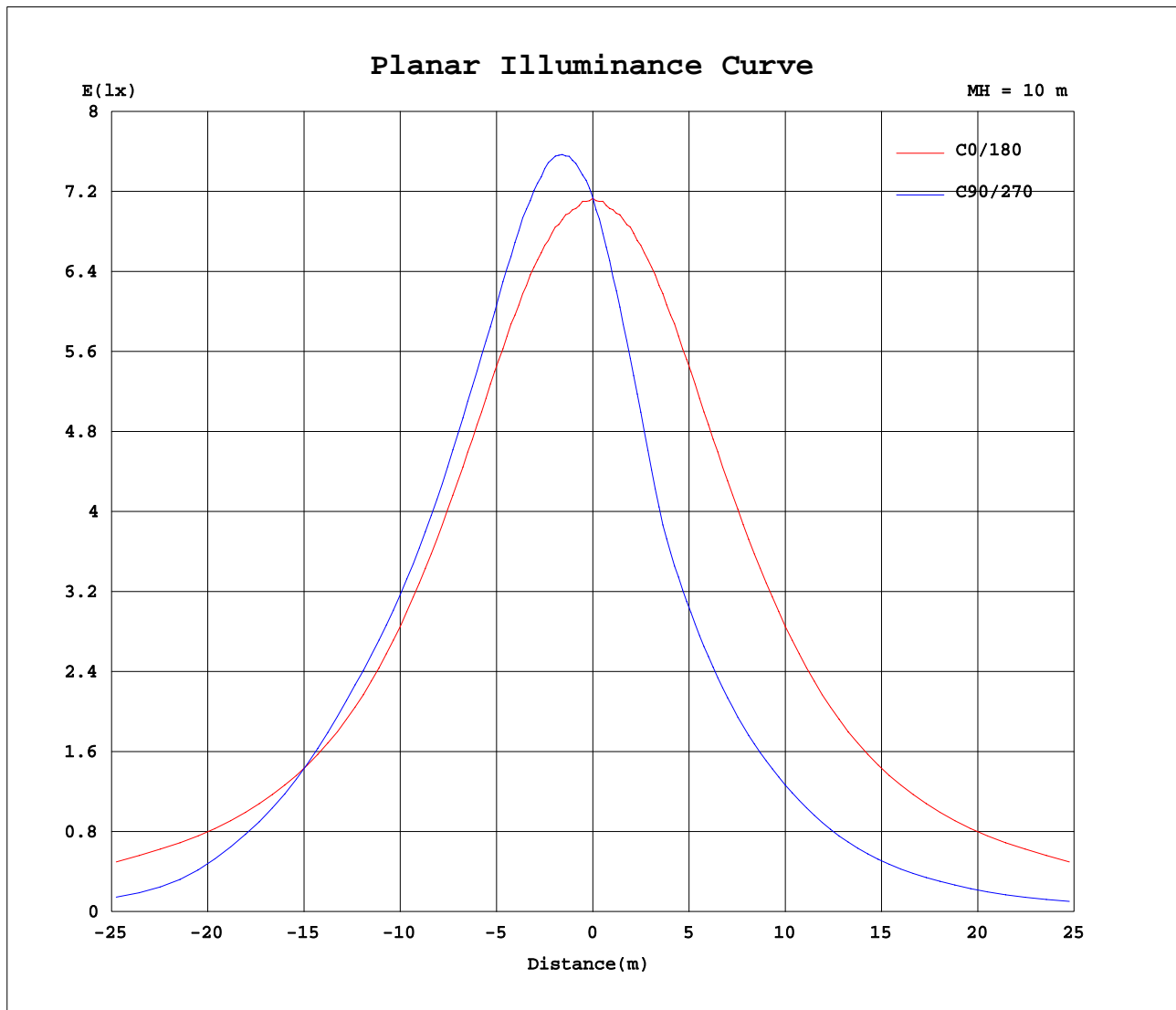
Test:U:219.2V I:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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:

Planar Illuminance Curve



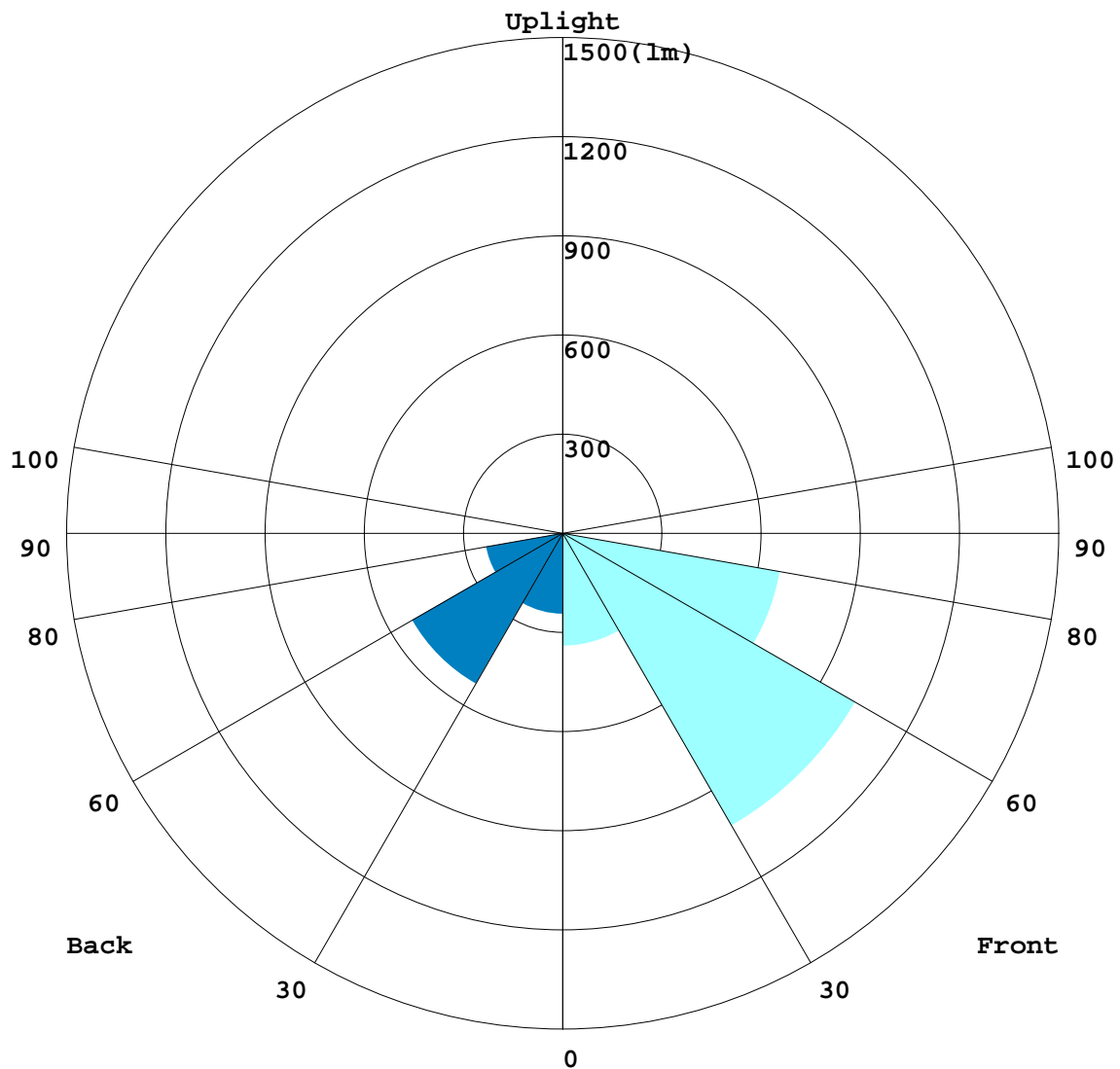
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:

LCS REPORT

Test:U:219.2V I:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-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:2020-04-11

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:

BUG REPORT

Test:U:219.2V I:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-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)	340.33	11.2
FM - Front-Medium(30-60)	1021.7	33.5
FH - Front-High(60-80)	666.76	21.8
FVH - Front-Very High(80-90)	12.88	0.4
Total Forward Light	2041.7	66.9

BL - Back-Low(0-30)	244.09	8.0
BM - Back-Medium(30-60)	525.67	17.2
BH - Back-High(60-80)	235.2	7.7
BVH - Back-Very High(80-90)	5.58	0.2
Total Back Light	1010.5	33.1

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1010.5	0	1010.5
Street Side	2041.7	0	2041.7

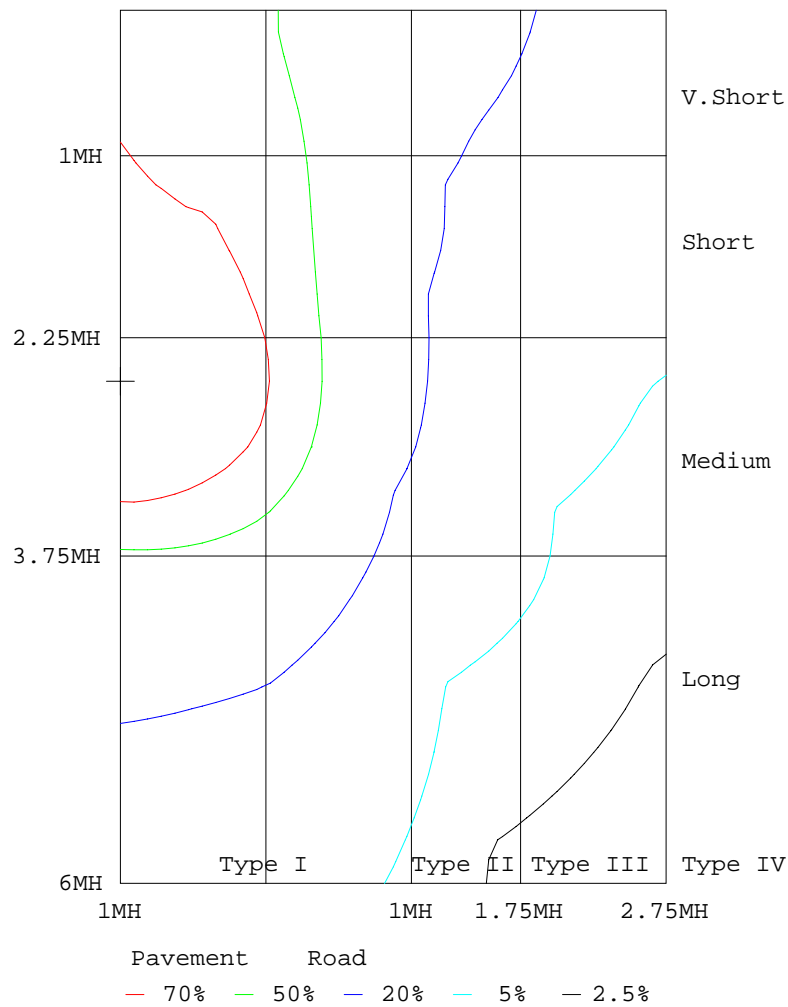
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-11

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:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-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:2020-04-11

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:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	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	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712	712
5	710	726	735	742	750	754	754	754	750	742	735	726	710	697	684	672	663	658	656
10	718	743	760	773	781	787	789	787	781	773	760	743	718	691	660	633	611	598	596
15	730	764	789	801	809	812	813	812	809	801	789	764	730	688	641	596	558	535	531
20	743	782	813	825	828	833	834	833	828	825	813	782	743	687	621	557	506	473	465
25	754	803	829	841	846	845	844	845	846	841	829	803	754	688	605	520	459	434	431
30	768	822	851	860	860	855	854	855	860	860	851	822	768	688	585	479	420	407	407
35	782	841	865	870	873	869	866	869	873	870	865	841	782	688	559	441	392	386	388
40	794	857	876	881	890	883	879	883	890	881	876	857	794	684	529	403	367	369	372
45	805	871	889	894	900	900	894	900	900	894	889	871	805	674	496	370	346	353	357
50	815	887	902	912	918	916	905	916	918	912	902	887	815	655	455	338	320	330	335
55	832	922	930	939	937	902	862	902	937	939	930	922	832	627	405	301	289	299	305
60	862	1002	1001	979	909	788	718	788	909	979	1001	1002	862	592	348	259	248	262	272
65	911	1161	1160	1022	740	524	426	524	740	1022	1160	1161	911	528	275	194	200	210	222
70	929	1307	1342	938	327	232	214	232	327	938	1342	1307	929	412	157	116	129	167	178
75	542	739	991	490	79.2	74.0	77.2	74.0	79.2	490	991	739	542	194	78.3	64.9	70.2	104	108
80	126	173	219	55.7	25.3	23.4	22.1	23.4	25.3	55.7	219	173	126	37.8	27.3	24.4	28.7	24.6	25.7
85	12.5	20.0	23.0	8.97	6.35	5.90	5.53	5.90	6.35	8.97	23.0	20.0	12.5	6.97	6.13	5.37	5.59	4.83	5.03
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:2020-04-11

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:0.0974A P:19.53W PF:0.9150 Freq:49.99Hz Lamp Flux:3052.23x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	712	712	712	712	712														
5	658	663	672	684	697														
10	598	611	633	660	691														
15	535	558	596	641	688														
20	473	506	557	621	687														
25	434	459	520	605	688														
30	407	420	479	585	688														
35	386	392	441	559	688														
40	369	367	403	529	684														
45	353	346	370	496	674														
50	330	320	338	455	655														
55	299	289	301	405	627														
60	262	248	259	348	592														
65	210	200	194	275	528														
70	167	129	116	157	412														
75	104	70.2	64.9	78.3	194														
80	24.6	28.7	24.4	27.3	37.8														
85	4.83	5.59	5.37	6.13	6.97														
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:2020-04-11

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: