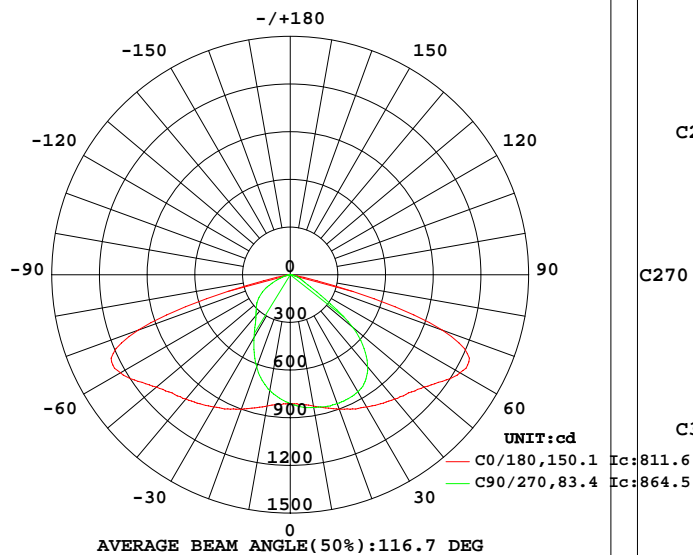
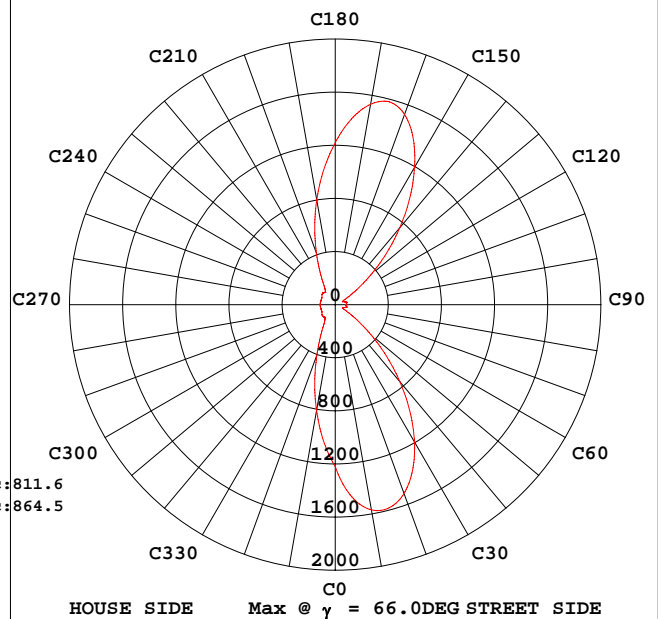


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.89 lm/W			
MODEL	3030	I _{max} (cd)	1582	η street_up(%)	0.0
NOMINAL POWER(W)	20	LOR(%)	100.0	η street_down(%)	62.6
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	3106	η house_up(%)	0.0
NOMINAL FLUX(lm)	3105.96	MAXIMUM @(C,γ)	15,66.0	η house_down(%)	37.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	16.853

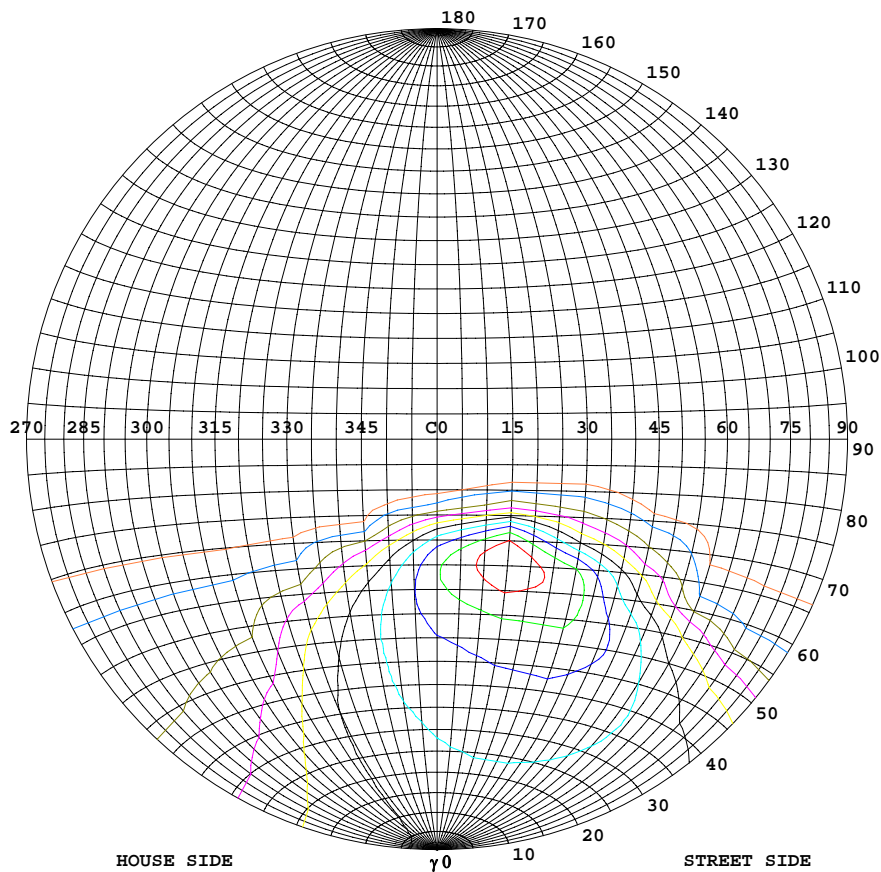
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



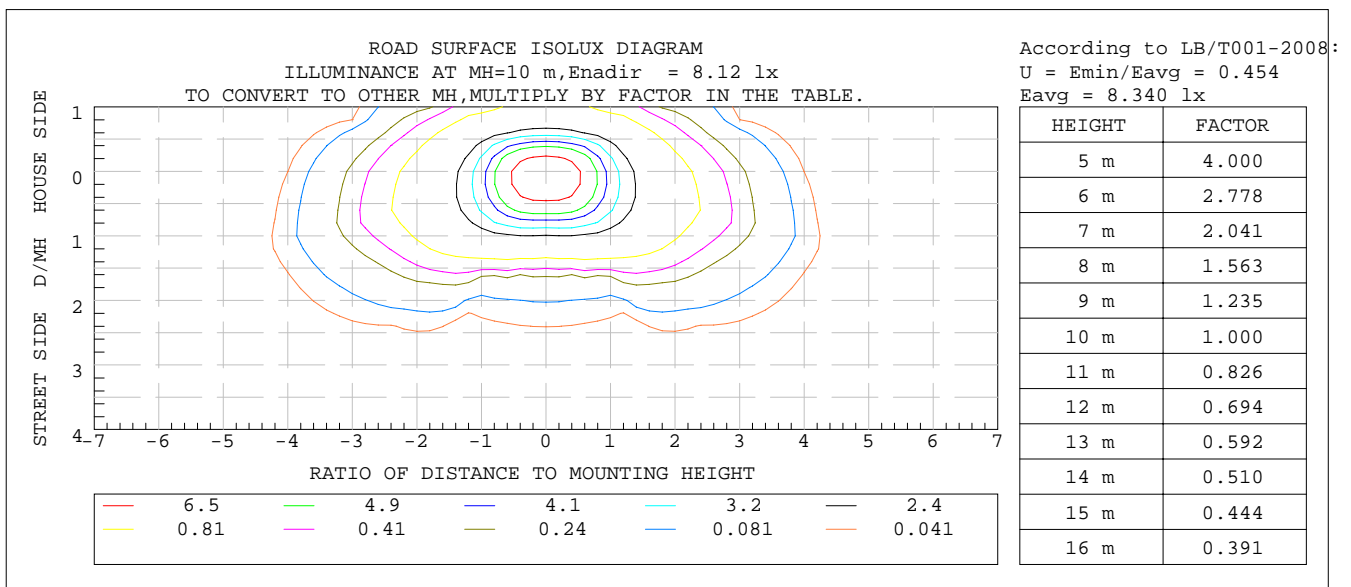
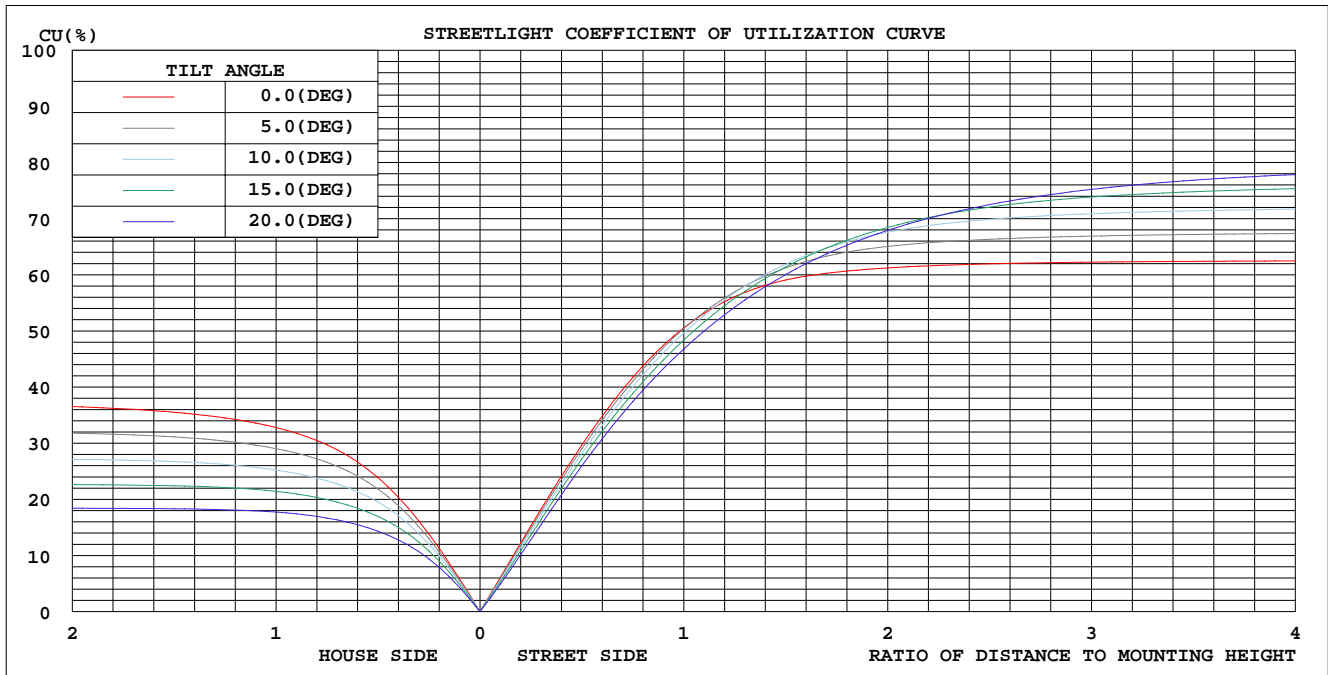
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:46.06cd/klm
 Max.At90:0cd/klm
 Max.80-90:46.06cd/klm
 NRB 5101:Semi limited[17.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1582
90%	1423
80%	1265
70%	1107
60%	949
50%	791
40%	633
30%	474
20%	316
10%	158
5%	79

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-09

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: 2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

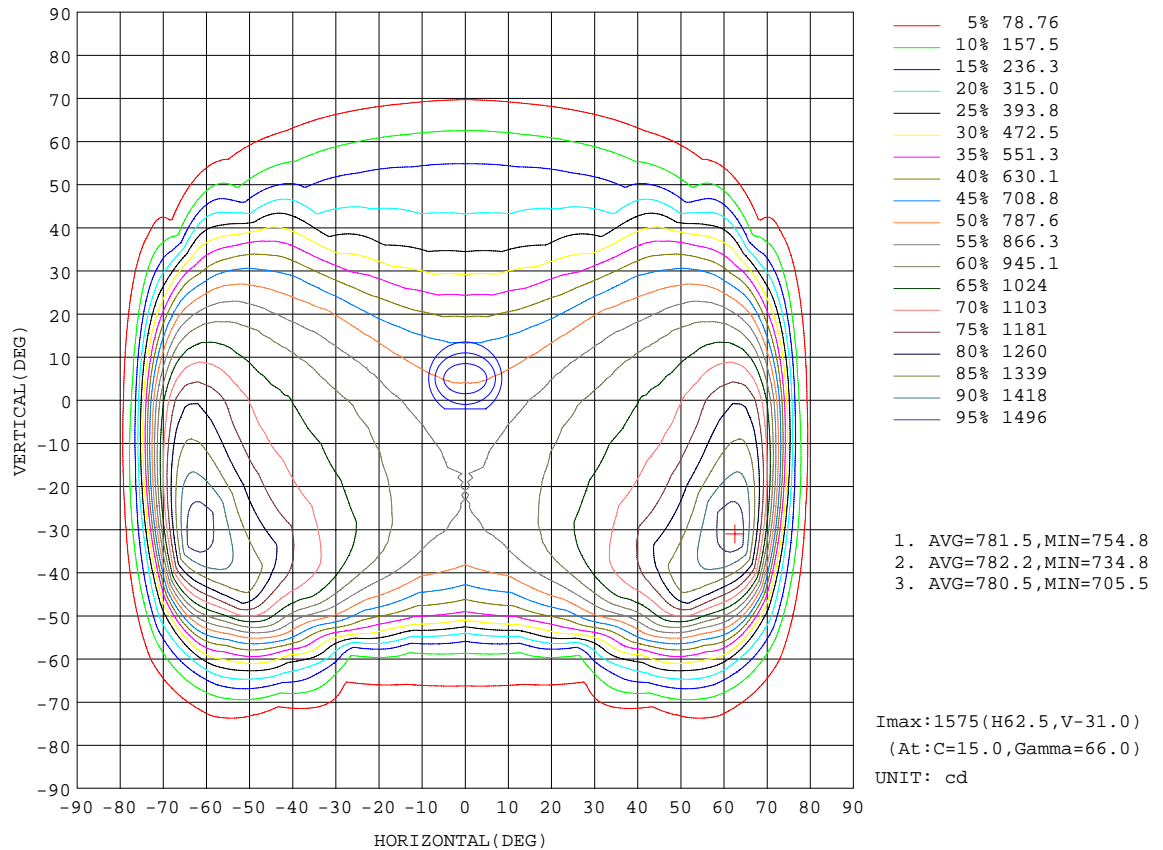
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	839.1	857.9	848.2	857.9	839.1	778.9	739.6	778.9	0- 10	77.81	77.81	2.51,2.51
20	900.4	912.2	861.6	912.2	900.4	732.8	617.9	732.8	10- 20	232.6	310.4	9.99,9.99
30	961.1	974.5	850.8	974.5	961.1	660.2	456.7	660.2	20- 30	378.7	689.2	22.2,22.2
40	1021	1044	757.2	1044	1021	536.5	336.8	536.5	30- 40	504.1	1193	38.4,38.4
50	1099	1084	512.3	1084	1099	358.4	273.5	358.4	40- 50	594.7	1788	57.6,57.6
60	1233	842.1	130.1	842.1	1233	217.1	187.1	217.1	50- 60	614.7	2403	77.4,77.4
70	1015	327.0	59.54	327.0	1015	76.26	75.91	76.26	60- 70	502.9	2906	93.5,93.5
80	46.59	27.66	16.13	27.66	46.59	14.43	17.07	14.43	70- 80	188.5	3094	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	11.93	3106	100,100
100	0	0	0	0	0	0	0	0	90-100	0	3106	100,100
110	0	0	0	0	0	0	0	0	100-110	0	3106	100,100
120	0	0	0	0	0	0	0	0	110-120	0	3106	100,100
130	0	0	0	0	0	0	0	0	120-130	0	3106	100,100
140	0	0	0	0	0	0	0	0	130-140	0	3106	100,100
150	0	0	0	0	0	0	0	0	140-150	0	3106	100,100
160	0	0	0	0	0	0	0	0	150-160	0	3106	100,100
170	0	0	0	0	0	0	0	0	160-170	0	3106	100,100
180	0	0	0	0	0	0	0	0	170-180	0	3106	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:2020-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

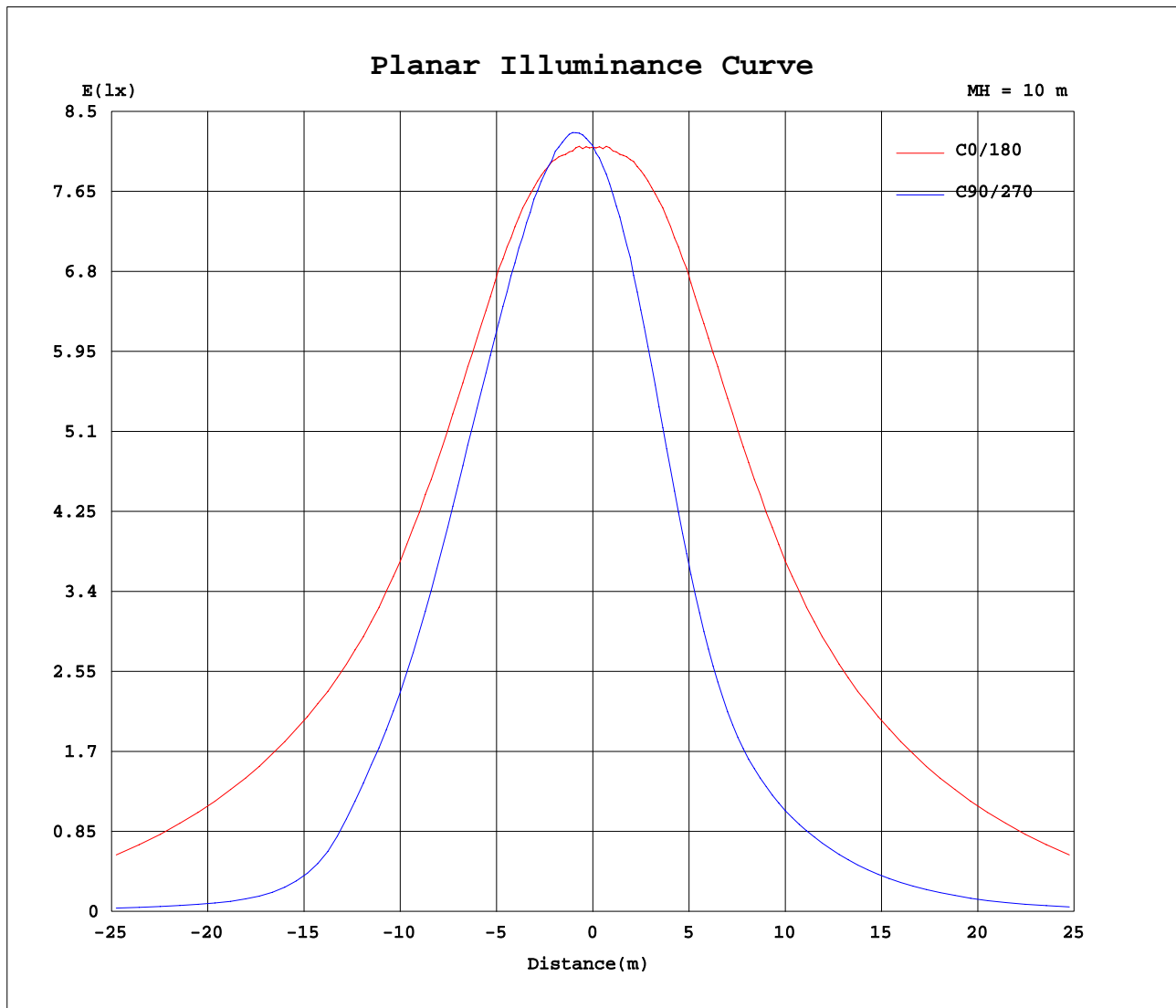
Test:U:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-09

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



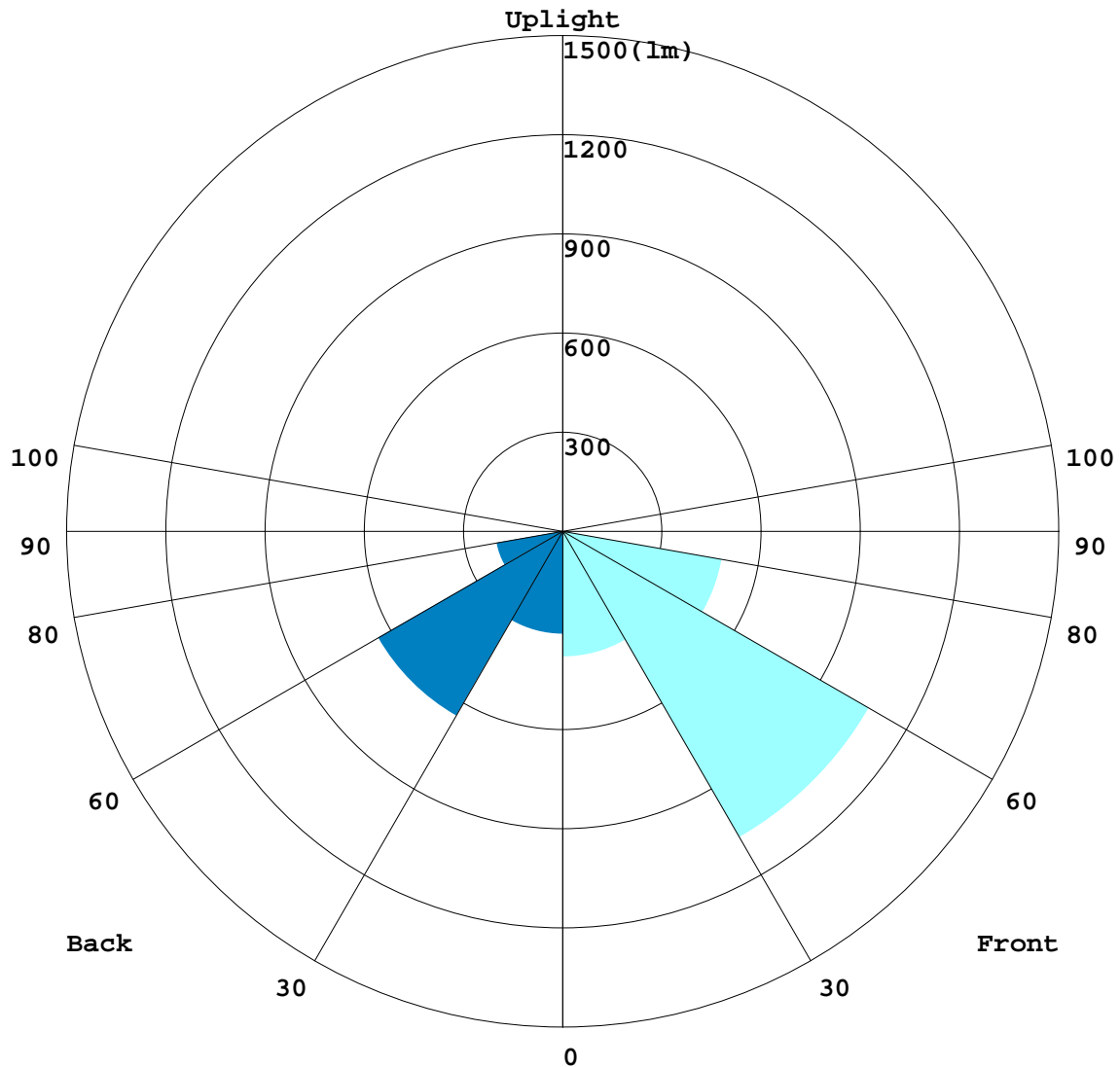
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-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:2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-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)	378.93	12.2
FM - Front-Medium(30-60)	1069.2	34.4
FH - Front-High(60-80)	488.58	15.7
FVH - Front-Very High(80-90)	8.5099	0.3
Total Forward Light	1945.2	62.6

BL - Back-Low(0-30)	310.24	10.0
BM - Back-Medium(30-60)	644.32	20.7
BH - Back-High(60-80)	202.81	6.5
BVH - Back-Very High(80-90)	3.4187	0.1
Total Back Light	1160.8	37.4

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	1160.8	0	1160.8
Street Side	1945.2	0	1945.2

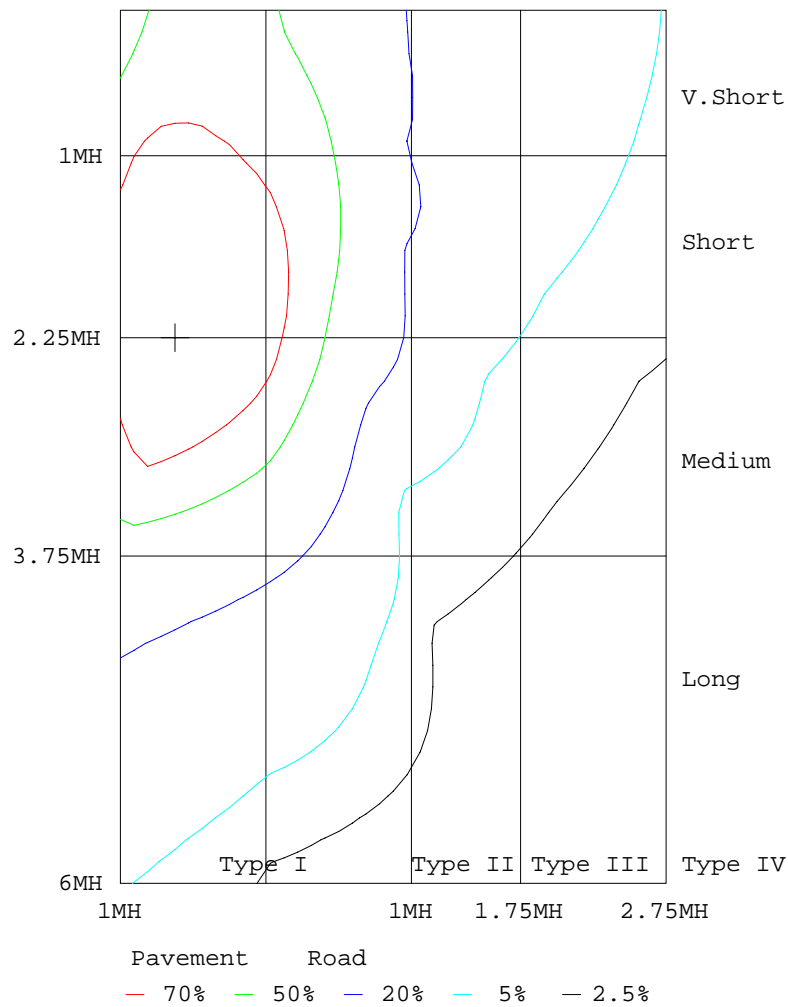
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-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:2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-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	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812
5	820	828	832	833	836	837	835	837	836	833	832	828	820	811	798	793	784	782	780
10	839	853	858	858	857	854	848	854	857	858	858	853	839	820	794	779	758	746	740
15	867	887	892	881	874	865	859	865	874	881	892	887	867	837	796	759	721	696	687
20	900	923	926	912	895	876	862	876	895	912	926	923	900	860	797	733	672	630	618
25	931	960	962	941	912	881	862	881	912	941	962	960	931	881	800	703	611	554	538
30	961	990	997	974	925	878	851	878	925	974	997	990	961	900	798	660	543	474	457
35	992	1028	1035	1010	937	860	821	860	937	1010	1035	1028	992	919	790	608	467	399	385
40	1021	1067	1078	1044	933	813	757	813	933	1044	1078	1067	1021	930	768	537	393	346	337
45	1052	1115	1136	1073	890	722	657	722	890	1073	1136	1115	1052	935	733	447	342	311	302
50	1099	1182	1211	1084	791	590	512	590	791	1084	1211	1182	1099	936	678	358	302	279	273
55	1170	1289	1300	1029	631	349	270	349	631	1029	1300	1289	1170	913	583	288	253	237	234
60	1233	1443	1365	842	299	143	130	143	299	842	1365	1443	1233	839	411	217	197	187	187
65	1243	1571	1268	613	114	87.9	85.0	87.9	114	613	1268	1571	1243	652	202	142	131	124	126
70	1015	1432	804	327	67.7	61.7	59.5	61.7	67.7	327	804	1432	1015	312	94.7	76.3	74.5	74.0	75.9
75	410	737	398	119	39.6	36.8	35.7	36.8	39.6	119	398	737	410	58.4	43.8	36.1	39.4	39.5	40.7
80	46.6	143	121	27.7	17.3	16.9	16.1	16.9	17.3	27.7	121	143	46.6	22.5	17.8	14.4	16.1	16.6	17.1
85	7.73	15.3	17.1	5.75	4.11	3.88	3.52	3.88	4.11	5.75	17.1	15.3	7.73	5.49	4.52	3.41	3.47	3.21	3.32
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:2020-04-09

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:219.3V I:0.0975A P:19.55W PF:0.9148 Freq:49.99Hz Lamp Flux:3105.96x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-20WiL02-NV-L3-00-5070-T201-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	812	812	812	812	812														
5	782	784	793	798	811														
10	746	758	779	794	820														
15	696	721	759	796	837														
20	630	672	733	797	860														
25	554	611	703	800	881														
30	474	543	660	798	900														
35	399	467	608	790	919														
40	346	393	537	768	930														
45	311	342	447	733	935														
50	279	302	358	678	936														
55	237	253	288	583	913														
60	187	197	217	411	839														
65	124	131	142	202	652														
70	74.0	74.5	76.3	94.7	312														
75	39.5	39.4	36.1	43.8	58.4														
80	16.6	16.1	14.4	17.8	22.5														
85	3.21	3.47	3.41	4.52	5.49														
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:2020-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: