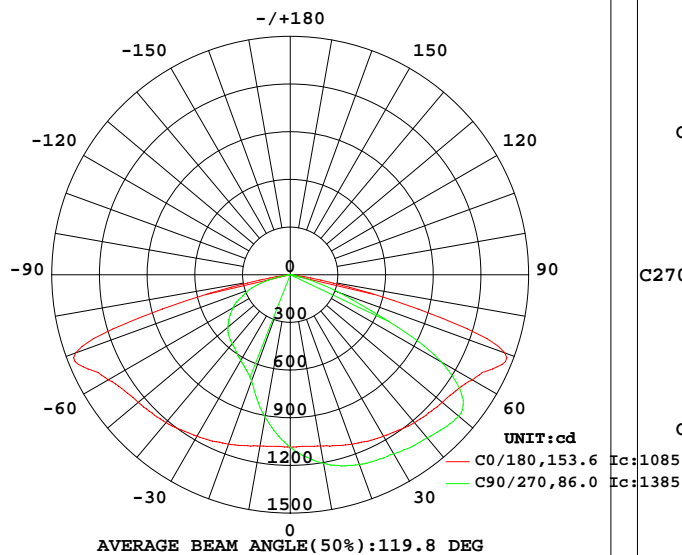
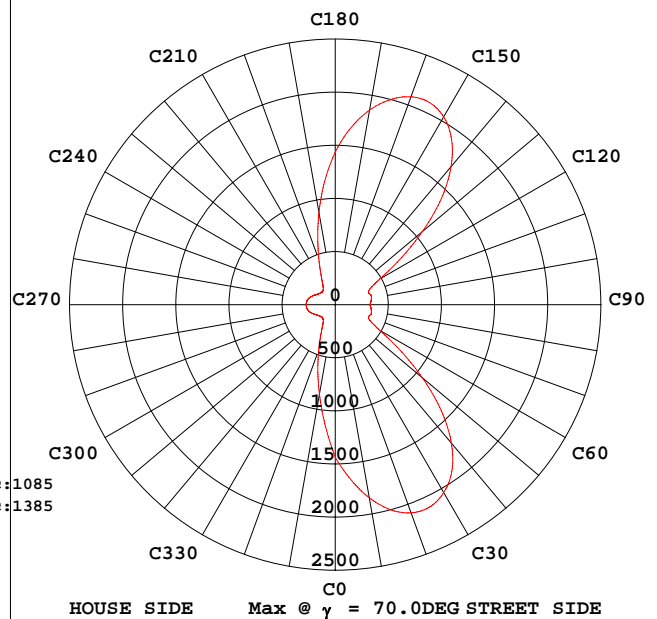


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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: 157.31 lm/W			
MODEL	3030	I _{max} (cd)	2041	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	66.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4656	η house_up(%)	0.0
NOMINAL FLUX(lm)	4656.12	MAXIMUM @(C,γ)	30,70.0	η house_down(%)	33.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.083

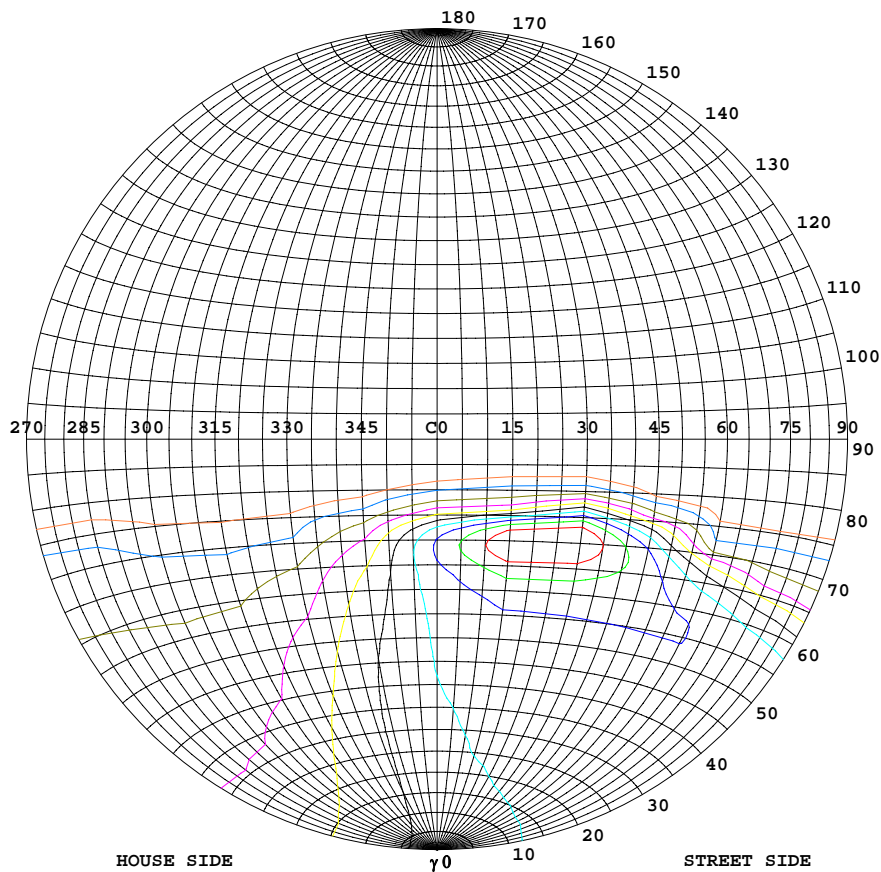
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



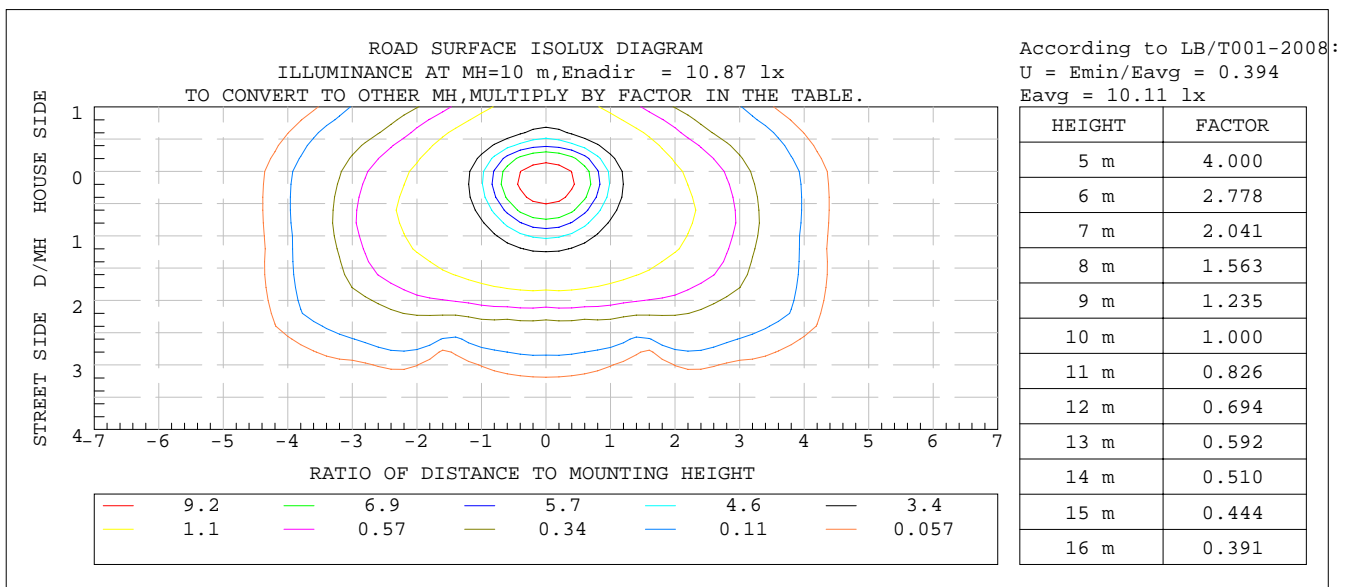
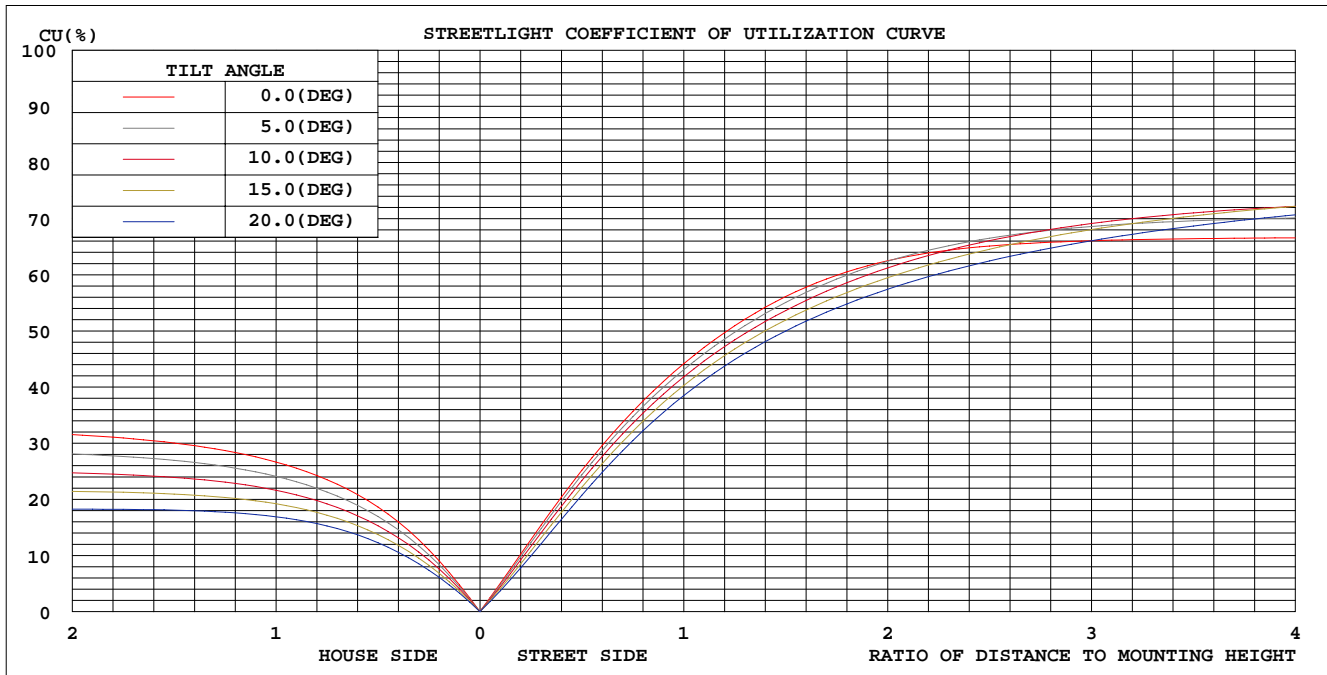
Classification:

IES:Type III - Medium
CIE:Broad - Long
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:70.90cd/klm
Max.At90:0cd/klm
Max.80-90:70.90cd/klm
NRB 5101:Limited[4.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2041
90%	1837
80%	1633
70%	1429
60%	1225
50%	1021
40%	816
30%	612
20%	408
10%	204
5%	102

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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

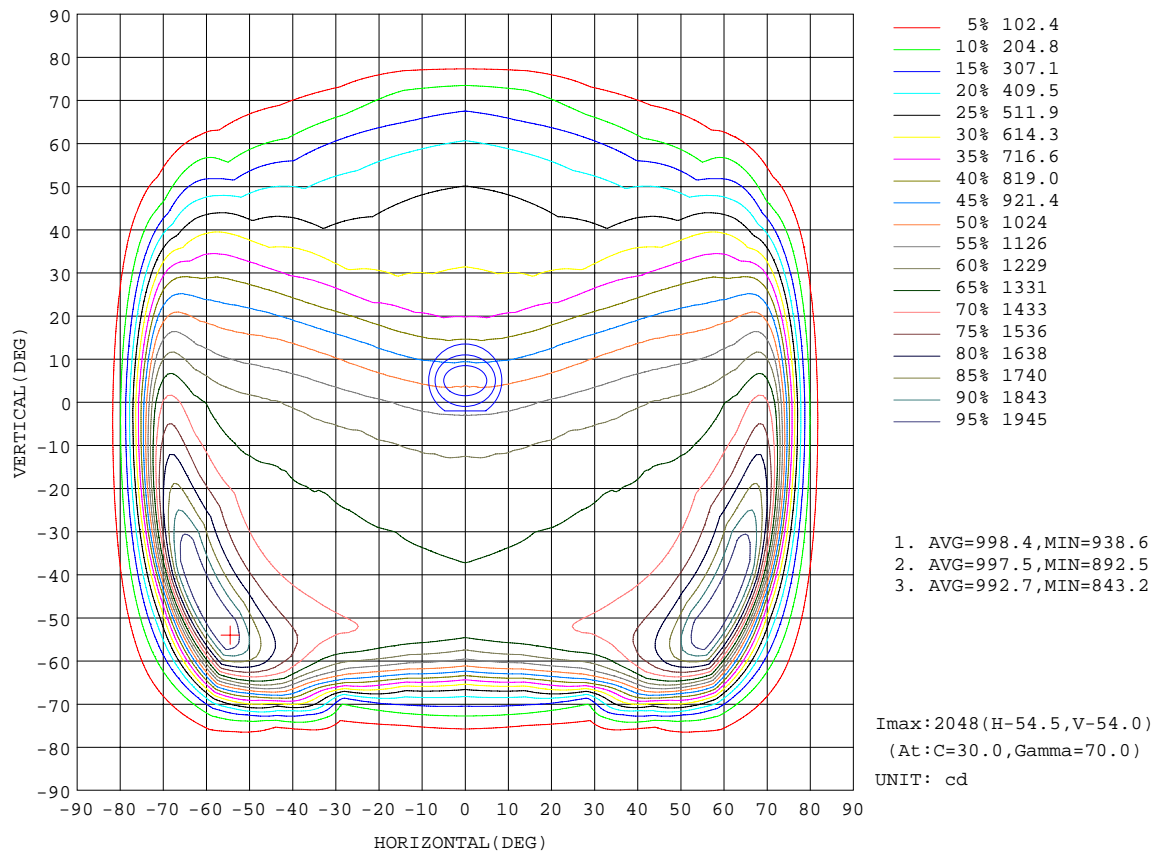
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1095	1179	1205	1179	1095	964.6	908.4	964.6	0- 10	102.8	102.8	2.21,2.21
20	1135	1259	1271	1259	1135	849.8	712.1	849.8	10- 20	302.0	404.8	8.69,8.69
30	1173	1310	1302	1310	1173	733.7	622.7	733.7	20- 30	486.5	891.4	19.1,19.1
40	1215	1345	1340	1345	1215	616.1	567.7	616.1	30- 40	654.6	1546	33.2,33.2
50	1249	1390	1385	1390	1249	514.6	512.6	514.6	40- 50	799.8	2346	50.4,50.4
60	1323	1498	1099	1498	1323	395.0	416.6	395.0	50- 60	906.8	3252	69.9,69.9
70	1436	1414	326.5	1414	1436	174.7	274.4	174.7	60- 70	906.5	4159	89.3,89.3
80	194.4	81.26	33.53	81.26	194.4	37.03	39.29	37.03	70- 80	469.1	4628	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	28.07	4656	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4656	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4656	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4656	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4656	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4656	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4656	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4656	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4656	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4656	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

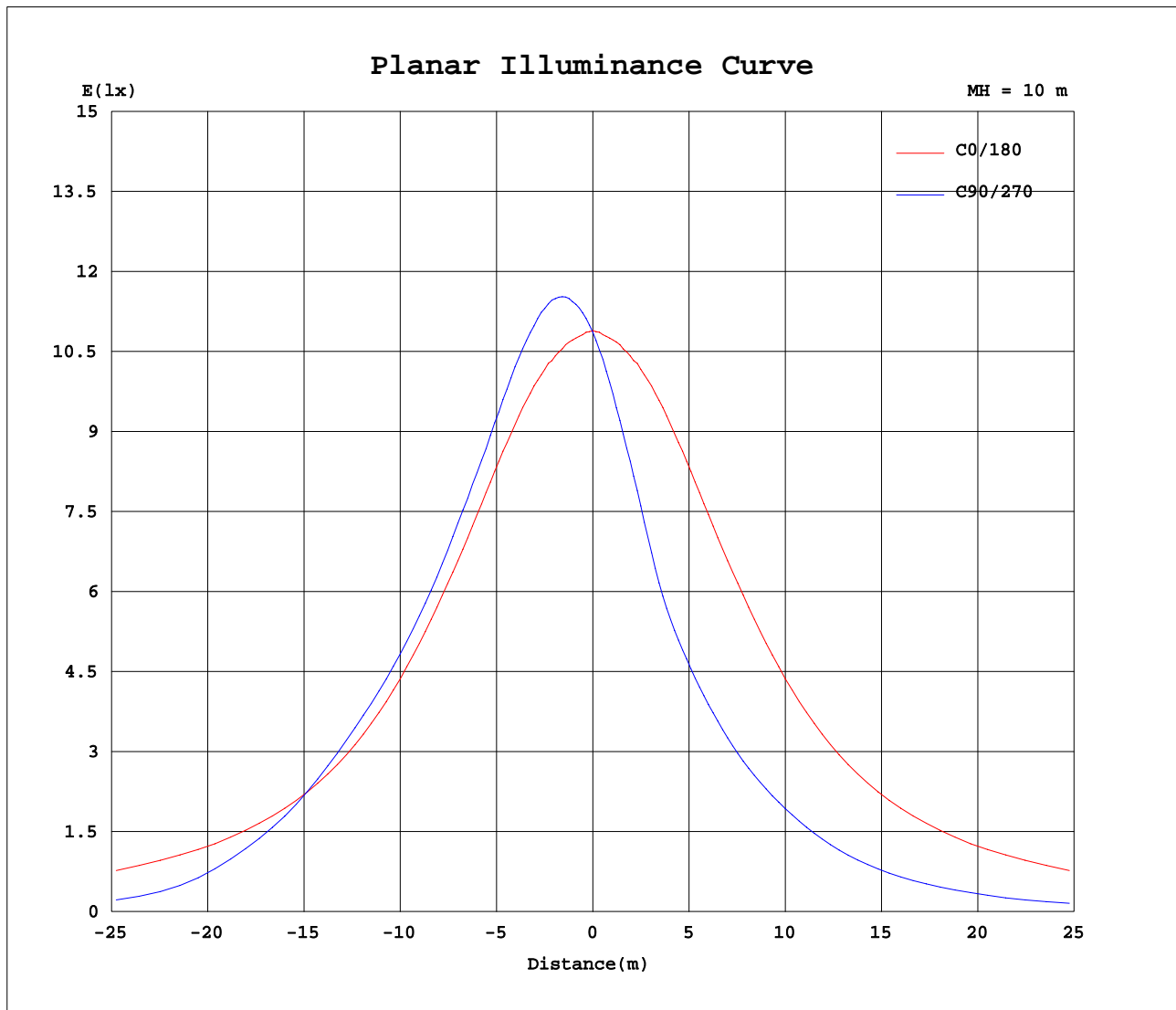
Test:U:219.2V I:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T311-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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



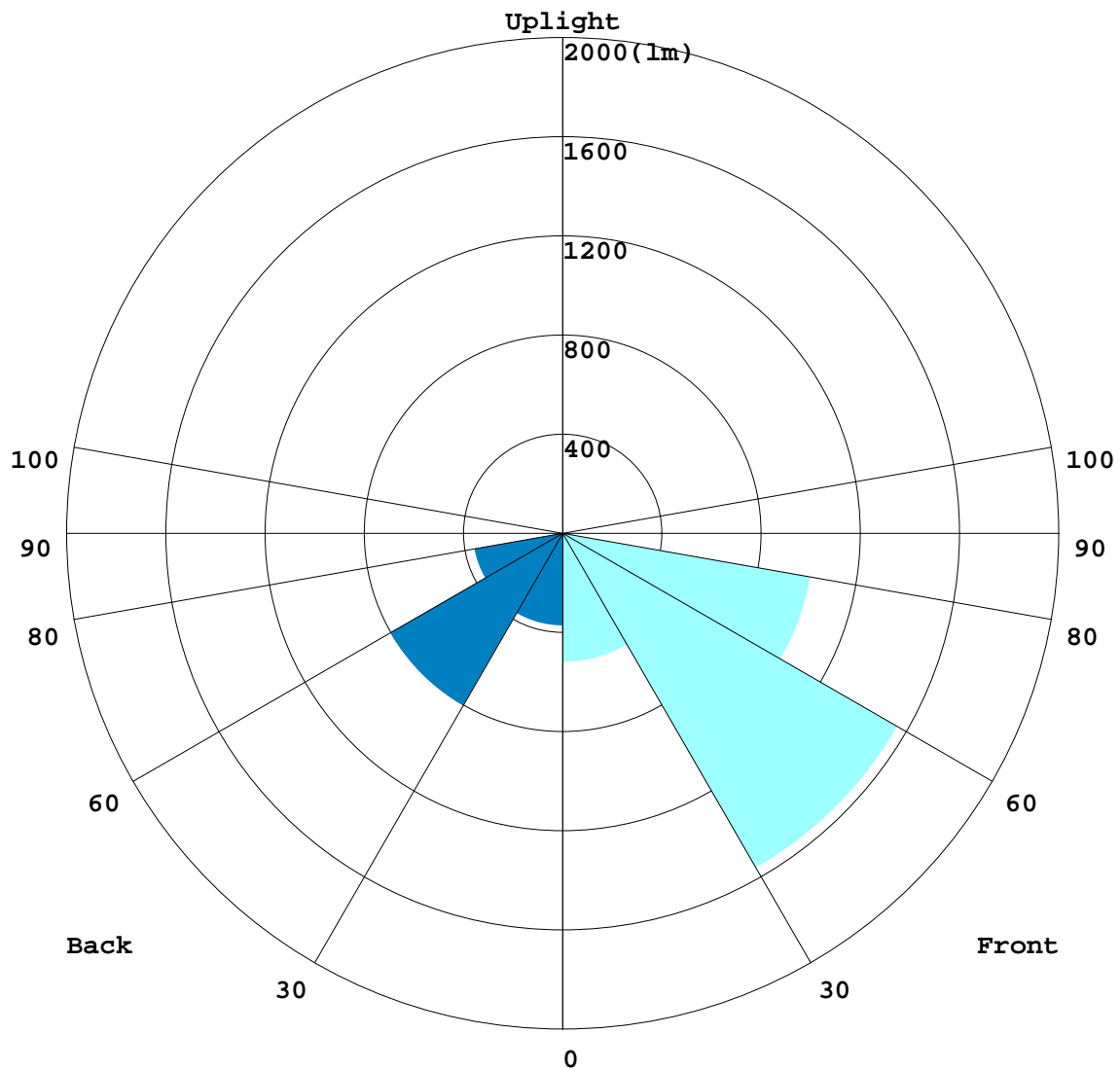
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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)	519.04	11.1
FM - Front-Medium(30-60)	1558.6	33.5
FH - Front-High(60-80)	1014.3	21.8
FVH - Front-Very High(80-90)	19.539	0.4
Total Forward Light	3111.4	66.8

BL - Back-Low(0-30)	372.32	8.0
BM - Back-Medium(30-60)	802.55	17.2
BH - Back-High(60-80)	361.27	7.8
BVH - Back-Very High(80-90)	8.5308	0.2
Total Back Light	1544.7	33.2

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	1544.7	0	1544.7
Street Side	3111.4	0	3111.4

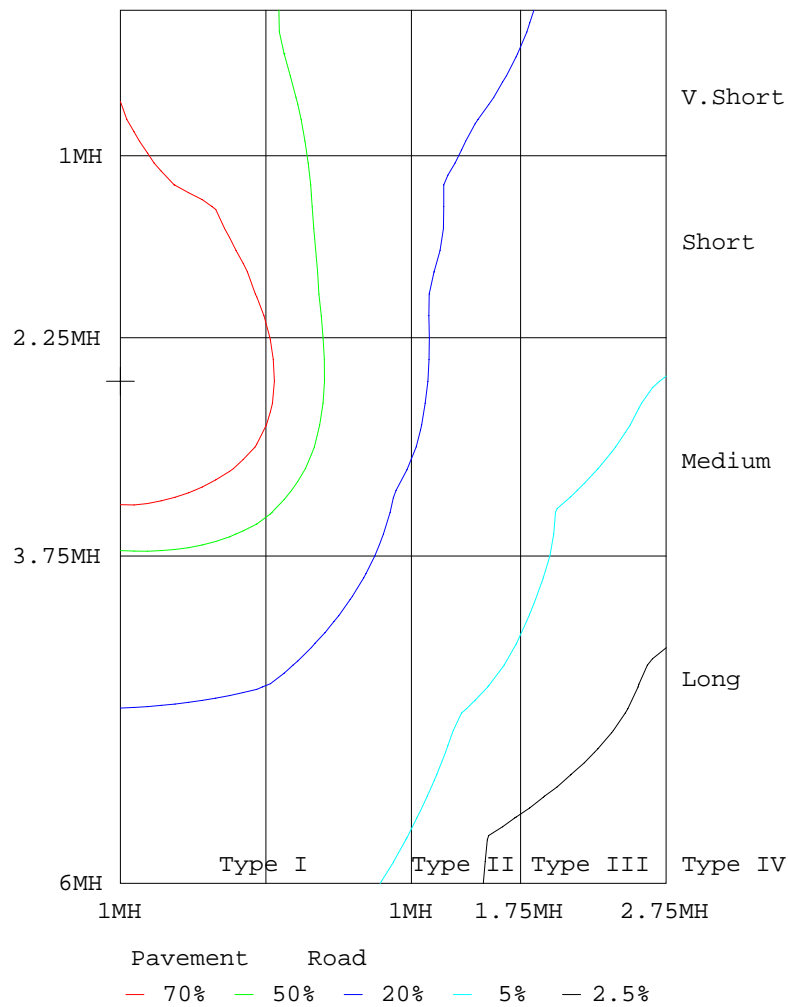
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085	1085
5	1084	1101	1118	1133	1141	1149	1151	1149	1141	1133	1118	1101	1084	1068	1042	1024	1012	1001	1003
10	1095	1128	1157	1179	1191	1201	1205	1201	1191	1179	1157	1128	1095	1056	1008	965	933	911	908
15	1113	1163	1198	1221	1234	1243	1245	1243	1234	1221	1198	1163	1113	1053	976	904	853	815	809
20	1135	1195	1234	1259	1263	1268	1271	1268	1263	1259	1234	1195	1135	1052	948	850	772	720	712
25	1155	1228	1261	1287	1289	1288	1288	1288	1289	1287	1261	1228	1155	1052	924	795	701	662	658
30	1173	1254	1290	1310	1307	1307	1302	1307	1307	1310	1290	1254	1173	1055	893	734	642	620	623
35	1193	1279	1317	1327	1330	1331	1324	1331	1330	1327	1317	1279	1193	1053	854	670	598	588	592
40	1215	1304	1332	1345	1354	1348	1340	1348	1354	1345	1332	1304	1215	1045	809	616	561	563	568
45	1230	1326	1351	1366	1371	1374	1366	1374	1371	1366	1351	1326	1230	1031	755	565	529	538	545
50	1249	1352	1373	1390	1399	1398	1385	1398	1399	1390	1373	1352	1249	1004	696	515	488	502	513
55	1273	1408	1415	1431	1428	1373	1318	1373	1428	1431	1415	1408	1273	962	621	459	439	454	467
60	1323	1527	1521	1498	1383	1201	1099	1201	1383	1498	1521	1527	1323	909	533	395	380	397	417
65	1403	1776	1766	1551	1120	795	650	795	1120	1551	1766	1776	1403	816	422	296	307	320	342
70	1436	1997	2041	1414	482	350	327	350	482	1414	2041	1997	1436	636	245	175	196	253	274
75	833	1129	1512	720	123	113	124	113	123	720	1512	1129	833	303	120	98.5	107	158	166
80	194	274	330	81.3	38.2	35.6	33.5	35.6	38.2	81.3	330	274	194	58.2	41.5	37.0	43.7	37.3	39.3
85	19.0	30.5	34.4	13.5	9.64	9.02	8.39	9.02	9.64	13.5	34.4	30.5	19.0	10.7	9.36	8.16	8.55	7.40	7.64
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:0.1402A P:29.60W PF:0.9631 Freq:49.99Hz Lamp Flux:4656.12x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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	1085	1085	1085	1085	1085														
5	1001	1012	1024	1042	1068														
10	911	933	965	1008	1056														
15	815	853	904	976	1053														
20	720	772	850	948	1052														
25	662	701	795	924	1052														
30	620	642	734	893	1055														
35	588	598	670	854	1053														
40	563	561	616	809	1045														
45	538	529	565	755	1031														
50	502	488	515	696	1004														
55	454	439	459	621	962														
60	397	380	395	533	909														
65	320	307	296	422	816														
70	253	196	175	245	636														
75	158	107	98.5	120	303														
80	37.3	43.7	37.0	41.5	58.2														
85	7.40	8.55	8.16	9.36	10.7														
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: