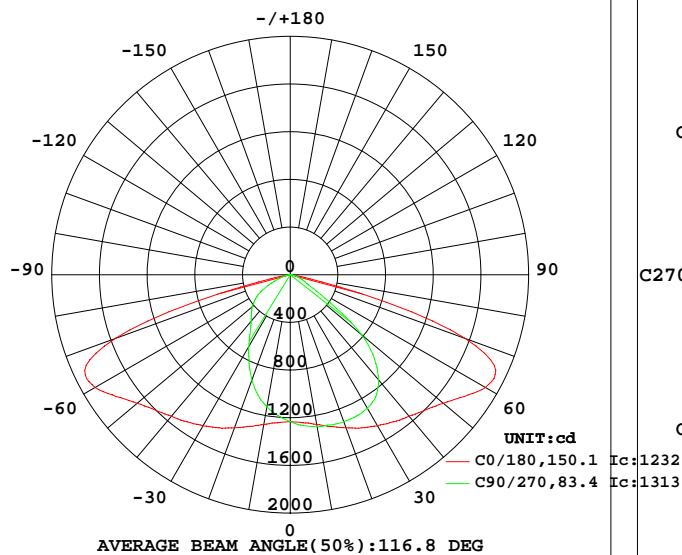
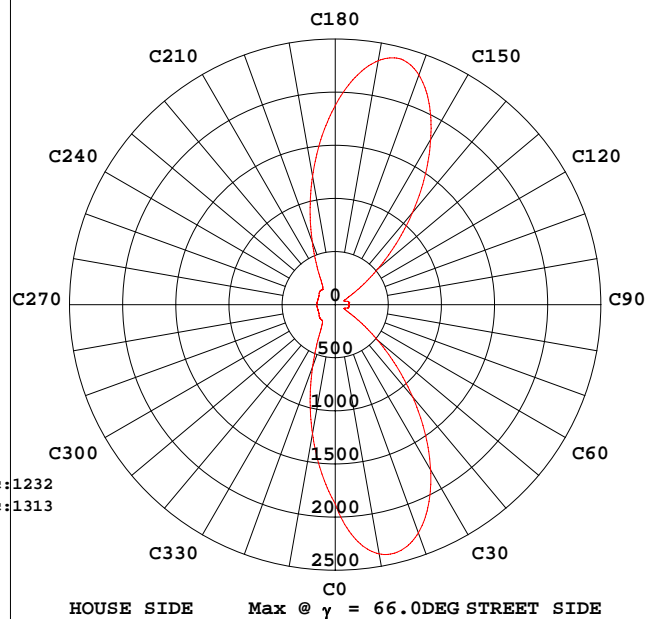


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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: 160.19 lm/W			
MODEL	3030	I _{max} (cd)	2393	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	62.6
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4716	η house_up(%)	0.0
NOMINAL FLUX(lm)	4716.03	MAXIMUM @(C,γ)	165,66.0	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	17.843

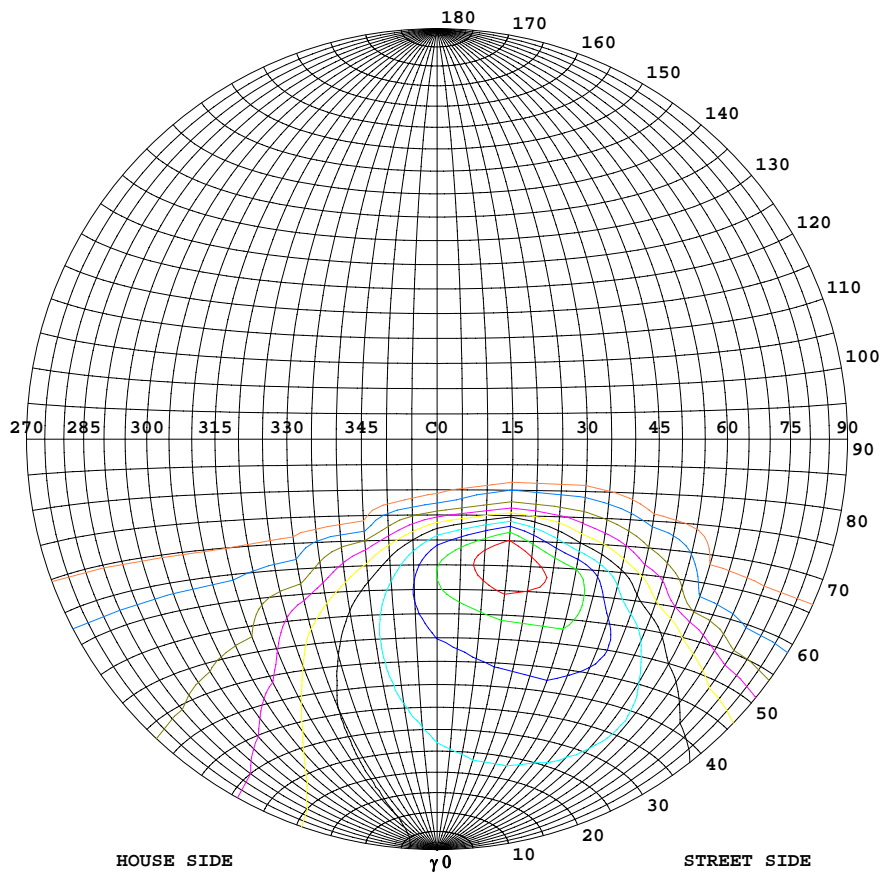
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



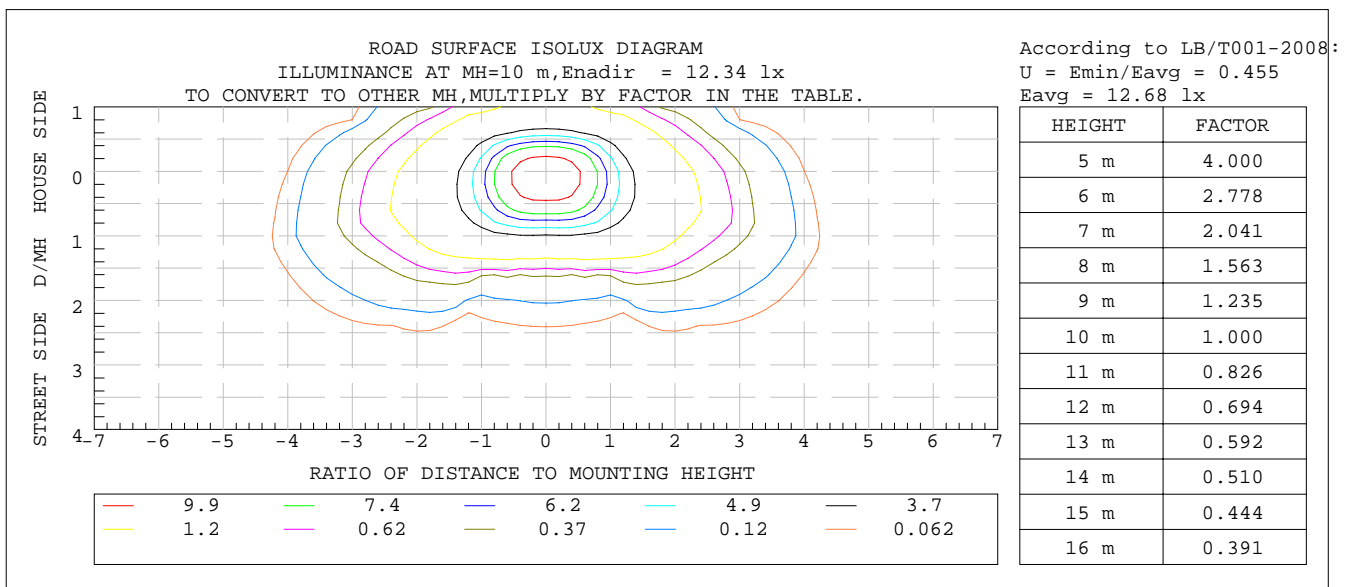
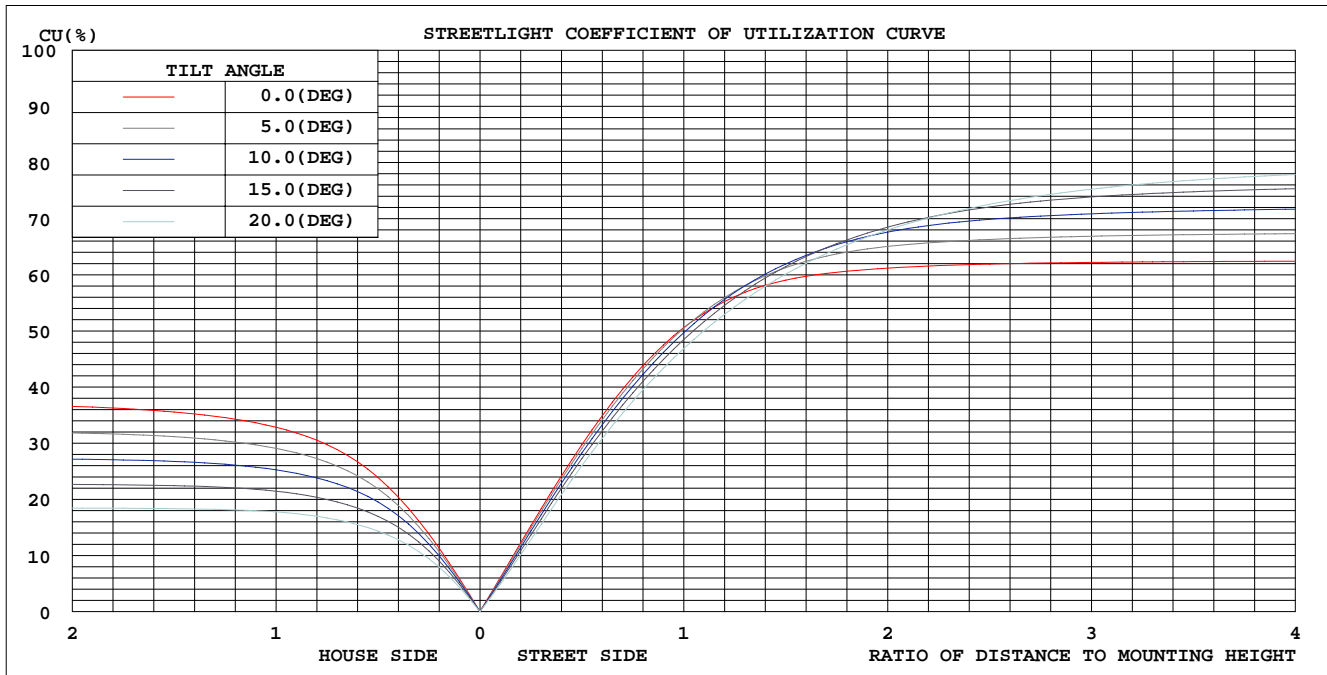
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:50.97cd/klm
Max.At90:0cd/klm
Max.80-90:50.97cd/klm
NRB 5101:Semi limited[17.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2393
90%	2154
80%	1915
70%	1675
60%	1436
50%	1197
40%	957
30%	718
20%	479
10%	239
5%	120

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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

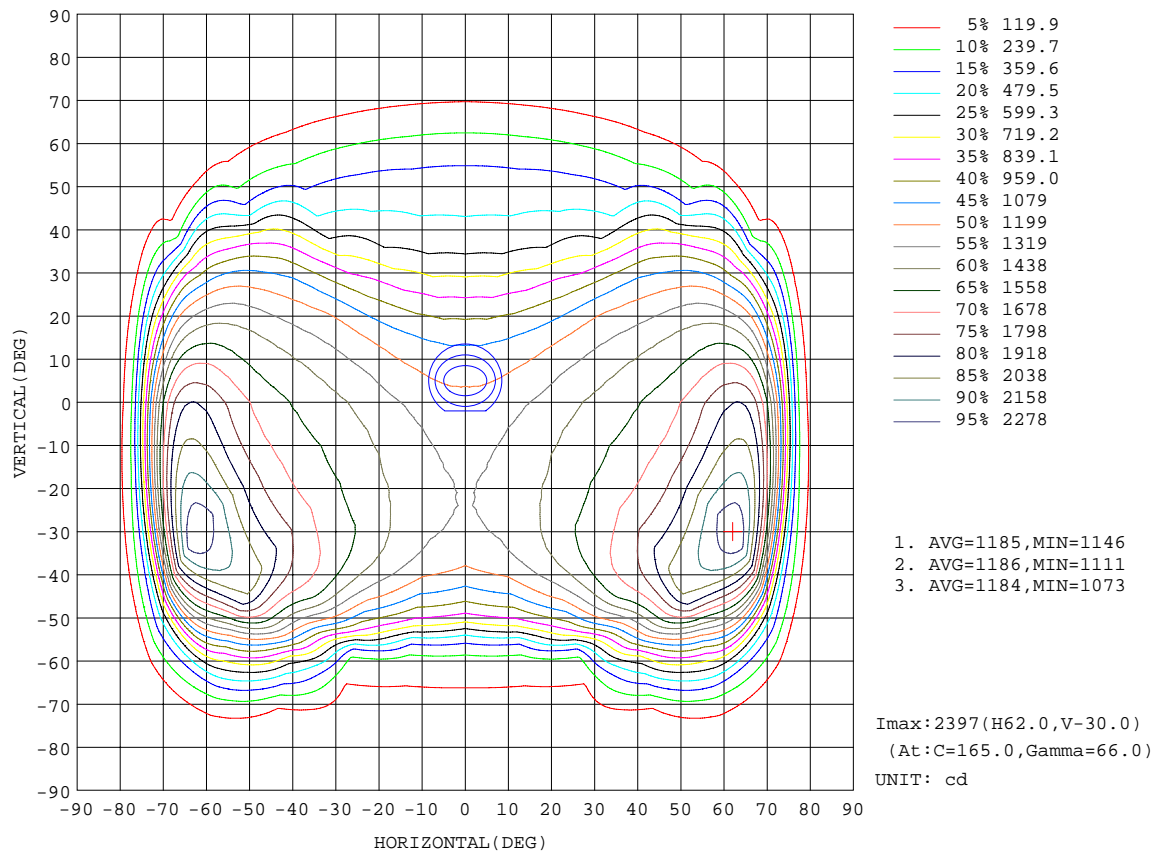
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1275	1304	1289	1304	1275	1179	1127	1179	0- 10	118.1	118.1	2.5,2.5
20	1367	1383	1312	1383	1367	1117	942.4	1117	10- 20	353.1	471.2	9.99,9.99
30	1464	1478	1293	1478	1464	1004	695.8	1004	20- 30	574.9	1046	22.2,22.2
40	1548	1584	1151	1584	1548	815.9	510.8	815.9	30- 40	765.5	1812	38.4,38.4
50	1678	1644	778.3	1644	1678	544.9	415.4	544.9	40- 50	903.1	2715	57.6,57.6
60	1891	1271	197.4	1271	1891	330.4	286.0	330.4	50- 60	933.5	3648	77.4,77.4
70	1558	488.2	90.41	488.2	1558	118.1	115.5	118.1	60- 70	764.2	4412	93.6,93.6
80	89.59	41.09	24.43	41.09	89.59	21.80	26.04	21.80	70- 80	285.6	4698	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	18.10	4716	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4716	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4716	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4716	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4716	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4716	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4716	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4716	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4716	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4716	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

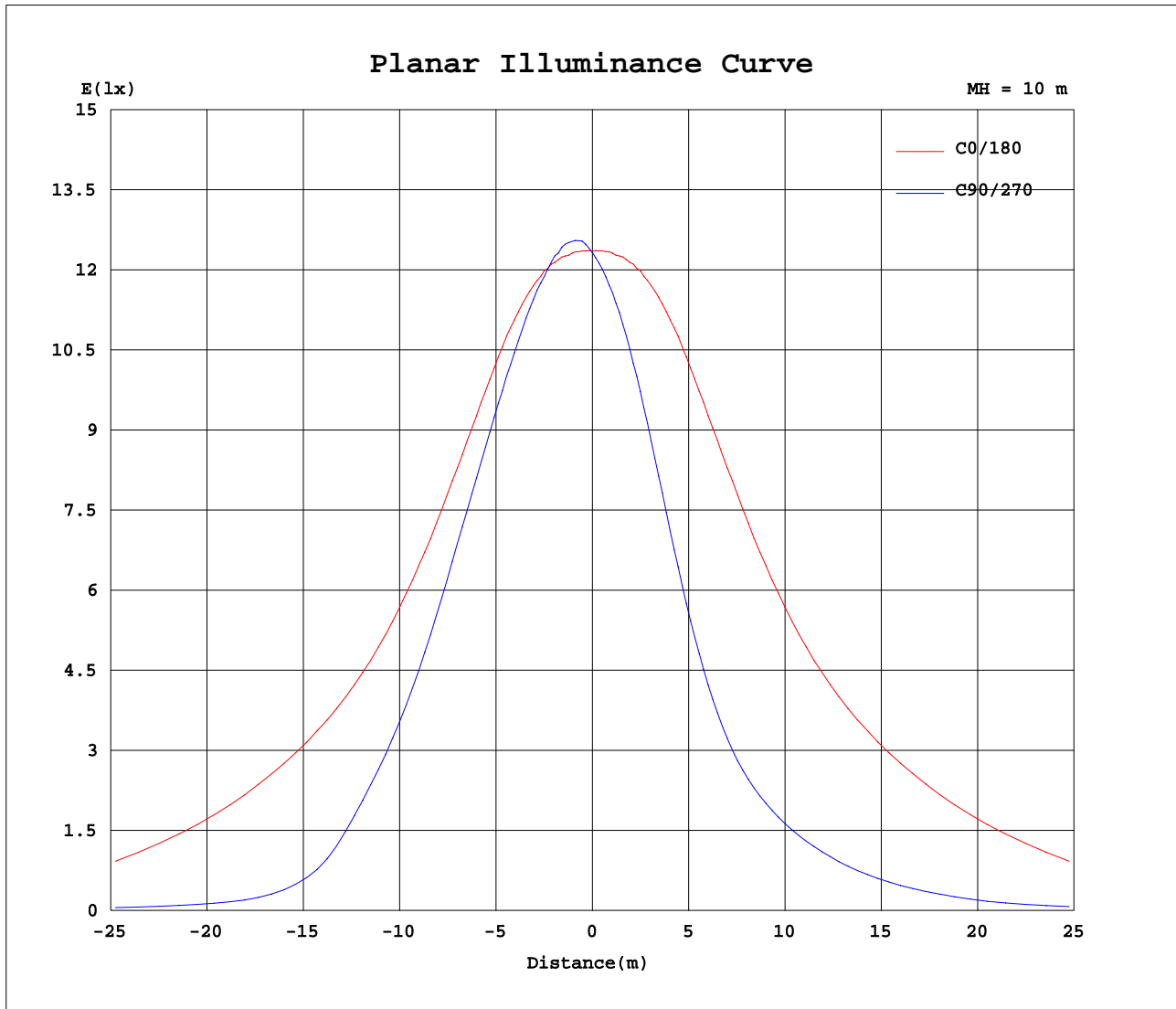
Test:U:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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



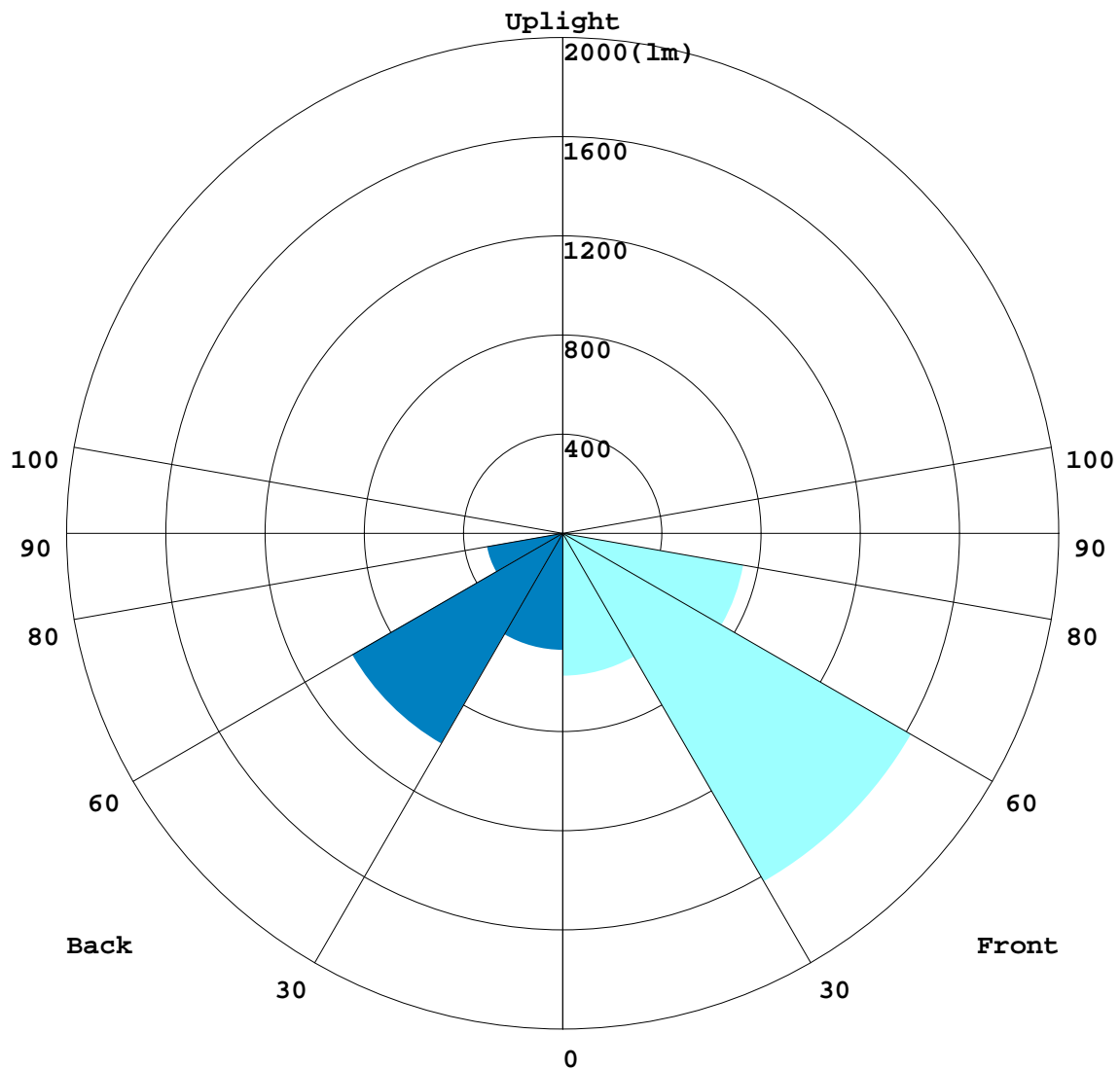
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-09

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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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)	575.48	12.2
FM - Front-Medium(30-60)	1622.7	34.4
FH - Front-High(60-80)	740.15	15.7
FVH - Front-Very High(80-90)	12.853	0.3
Total Forward Light	2951.2	62.6

BL - Back-Low(0-30)	470.65	10.0
BM - Back-Medium(30-60)	979.33	20.8
BH - Back-High(60-80)	309.59	6.6
BVH - Back-Very High(80-90)	5.2512	0.1
Total Back Light	1764.8	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	1764.8	0	1764.8
Street Side	2951.2	0	2951.2

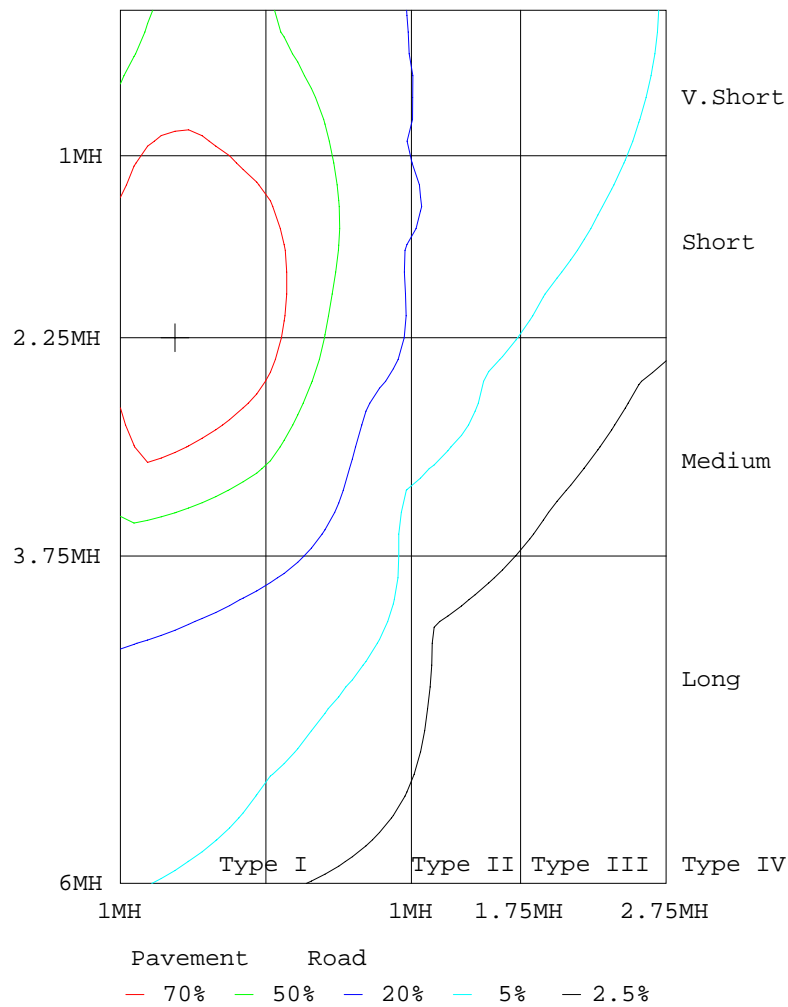
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-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)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232
5	1246	1253	1262	1264	1270	1267	1270	1267	1270	1264	1262	1253	1246	1232	1217	1204	1194	1185	1185
10	1275	1290	1300	1304	1299	1293	1289	1293	1299	1304	1300	1290	1275	1246	1211	1179	1154	1130	1127
15	1316	1340	1347	1342	1325	1314	1304	1314	1325	1342	1347	1340	1316	1270	1213	1153	1098	1054	1045
20	1367	1394	1403	1383	1355	1324	1312	1324	1355	1383	1403	1394	1367	1303	1214	1117	1024	956	942
25	1416	1451	1454	1426	1381	1332	1309	1332	1381	1426	1454	1451	1416	1338	1218	1067	931	839	818
30	1464	1502	1510	1478	1404	1328	1293	1328	1404	1478	1510	1502	1464	1369	1215	1004	827	717	696
35	1506	1556	1564	1533	1421	1301	1251	1301	1421	1533	1564	1556	1506	1394	1202	926	713	606	587
40	1548	1614	1634	1584	1413	1230	1151	1230	1413	1584	1634	1614	1548	1411	1173	816	597	524	511
45	1604	1684	1721	1630	1347	1093	1001	1093	1347	1630	1721	1684	1604	1418	1120	682	522	471	461
50	1678	1787	1832	1644	1193	893	778	893	1193	1644	1832	1787	1678	1419	1035	545	459	422	415
55	1783	1952	1964	1559	953	524	409	524	953	1559	1964	1952	1783	1390	891	438	386	360	357
60	1891	2185	2066	1271	446	216	197	216	446	1271	2066	2185	1891	1275	635	330	302	283	286
65	1902	2380	1907	921	163	133	130	133	163	921	1907	2380	1902	995	312	215	199	187	191
70	1558	2160	1207	488	102	93.1	90.4	93.1	102	488	1207	2160	1558	482	145	118	113	113	116
75	630	1106	599	175	59.9	55.5	54.2	55.5	59.9	175	599	1106	630	88.6	66.3	55.2	60.1	60.1	62.1
80	89.6	240	171	41.1	26.2	25.5	24.4	25.5	26.2	41.1	171	240	89.6	34.0	27.1	21.8	24.5	25.1	26.0
85	11.8	23.0	25.9	8.64	6.19	5.81	5.34	5.81	6.19	8.64	25.9	23.0	11.8	8.37	6.89	5.18	5.30	4.85	5.12
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:219.2V I:0.1395A P:29.44W PF:0.9625 Freq:49.99Hz Lamp Flux:4716.03x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T201-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1232	1232	1232	1232	1232														
5	1185	1194	1204	1217	1232														
10	1130	1154	1179	1211	1246														
15	1054	1098	1153	1213	1270														
20	956	1024	1117	1214	1303														
25	839	931	1067	1218	1338														
30	717	827	1004	1215	1369														
35	606	713	926	1202	1394														
40	524	597	816	1173	1411														
45	471	522	682	1120	1418														
50	422	459	545	1035	1419														
55	360	386	438	891	1390														
60	283	302	330	635	1275														
65	187	199	215	312	995														
70	113	113	118	145	482														
75	60.1	60.1	55.2	66.3	88.6														
80	25.1	24.5	21.8	27.1	34.0														
85	4.85	5.30	5.18	6.89	8.37														
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
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: