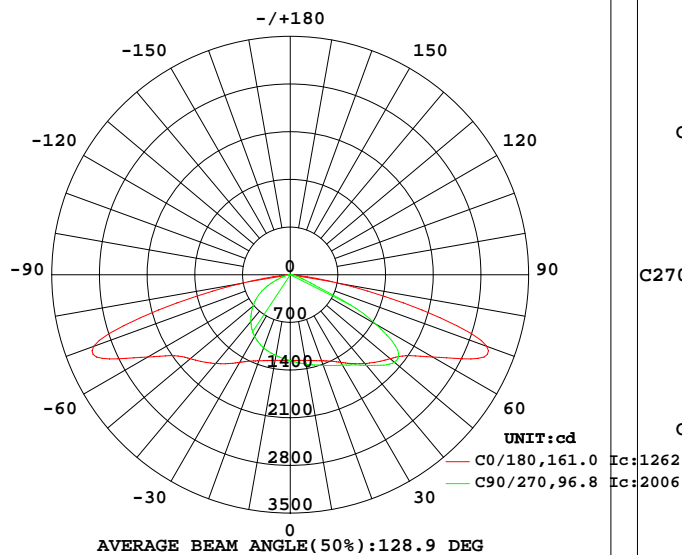
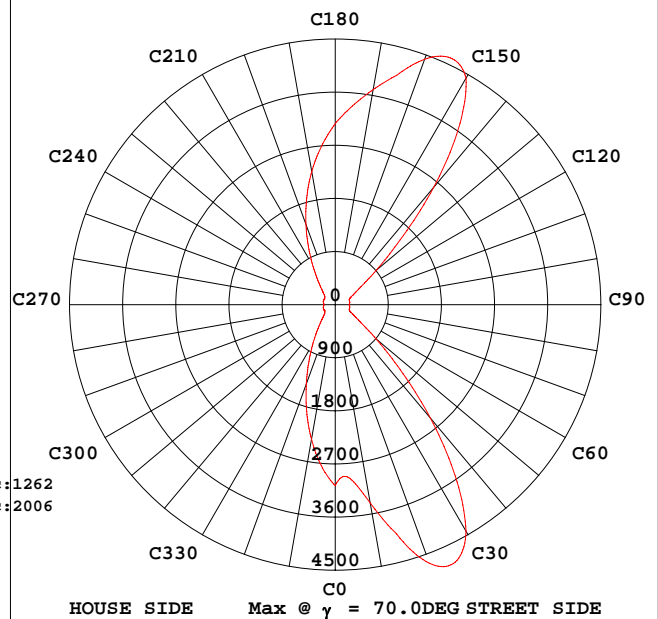


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.49 lm/W			
MODEL	3030	I _{max} (cd)	4432	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	64.0
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7234	η house_up(%)	0.0
NOMINAL FLUX(lm)	7233.74	MAXIMUM @(C,γ)	150,70.0	η house_down(%)	36.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.062

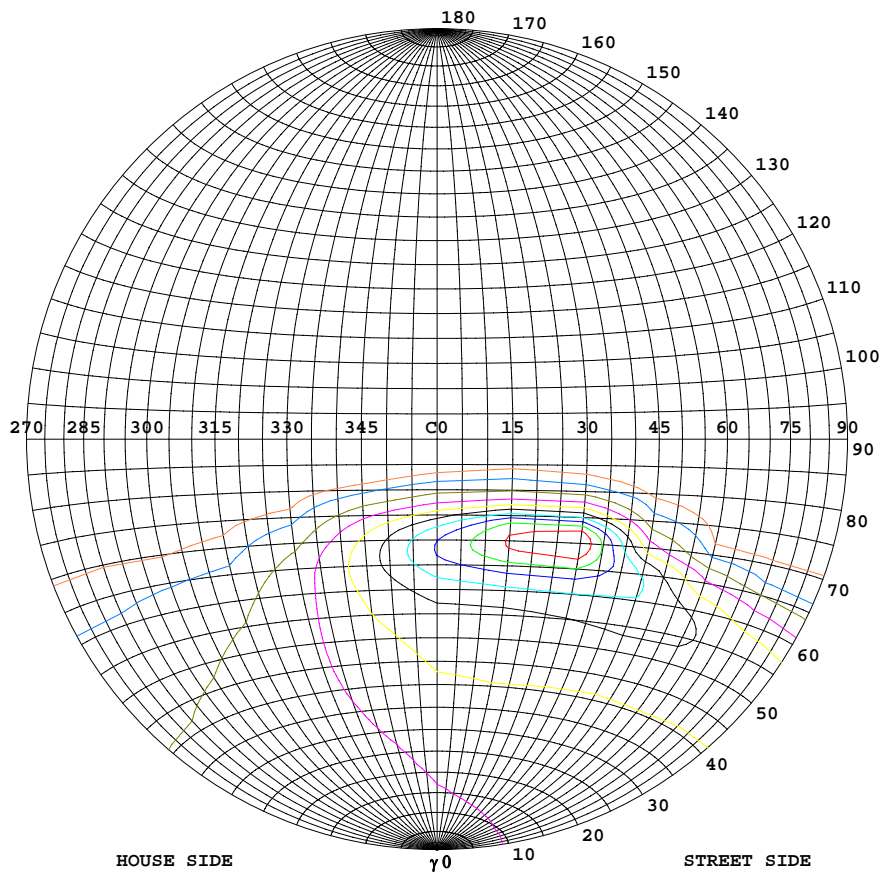
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



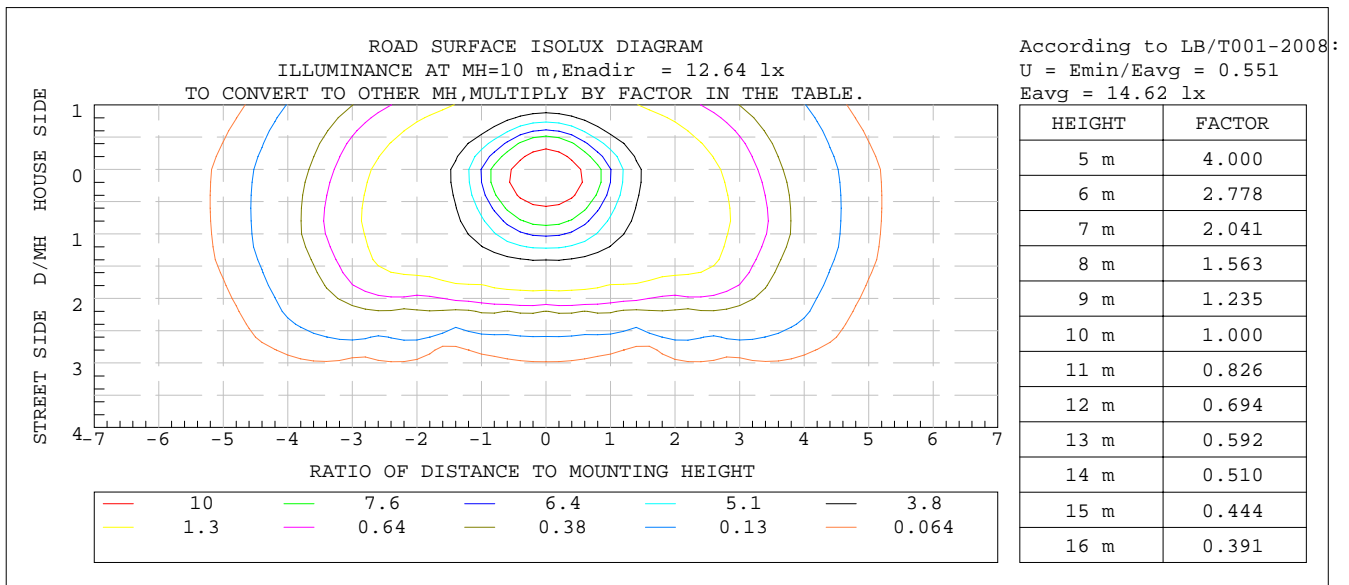
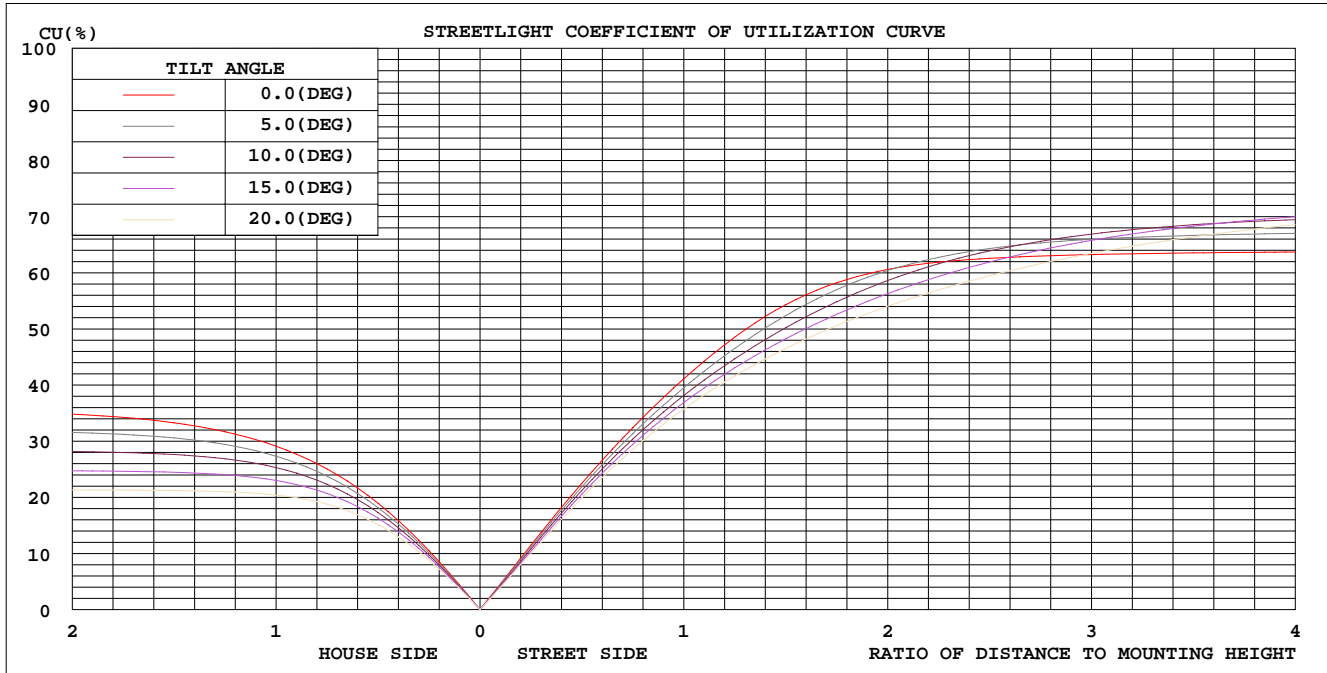
Classification:

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[8.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4432
90%	3989
80%	3545
70%	3102
60%	2659
50%	2216
40%	1773
30%	1330
20%	886
10%	443
5%	222

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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

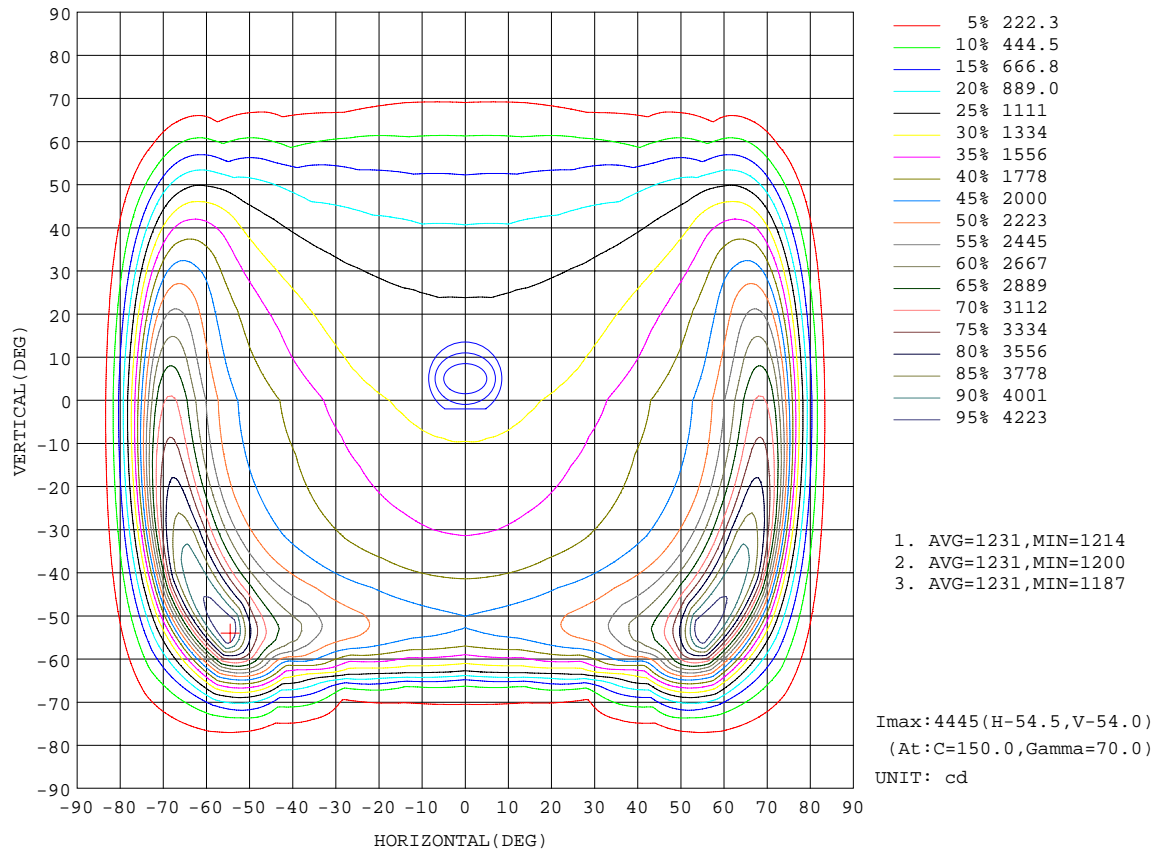
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1278	1321	1337	1321	1278	1224	1205	1224	0- 10	121.0	121.0	1.67,1.67
20	1345	1422	1417	1422	1345	1204	1144	1204	10- 20	366.4	487.5	6.74,6.74
30	1487	1569	1532	1569	1487	1182	1047	1182	20- 30	623.1	1111	15.4,15.4
40	1701	1744	1736	1744	1701	1128	898.8	1128	30- 40	894.3	2005	27.7,27.7
50	1916	2046	1997	2046	1916	1008	711.6	1008	40- 50	1179	3184	44.44
60	2418	2628	1445	2628	2418	779.4	483.4	779.4	50- 60	1461	4645	64.2,64.2
70	3067	1557	236.5	1557	3067	288.8	192.9	288.8	60- 70	1596	6241	86.3,86.3
80	732.2	162.2	53.14	162.2	732.2	51.82	43.23	51.82	70- 80	913.7	7155	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	78.91	7234	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7234	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7234	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7234	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7234	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7234	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7234	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7234	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7234	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7234	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

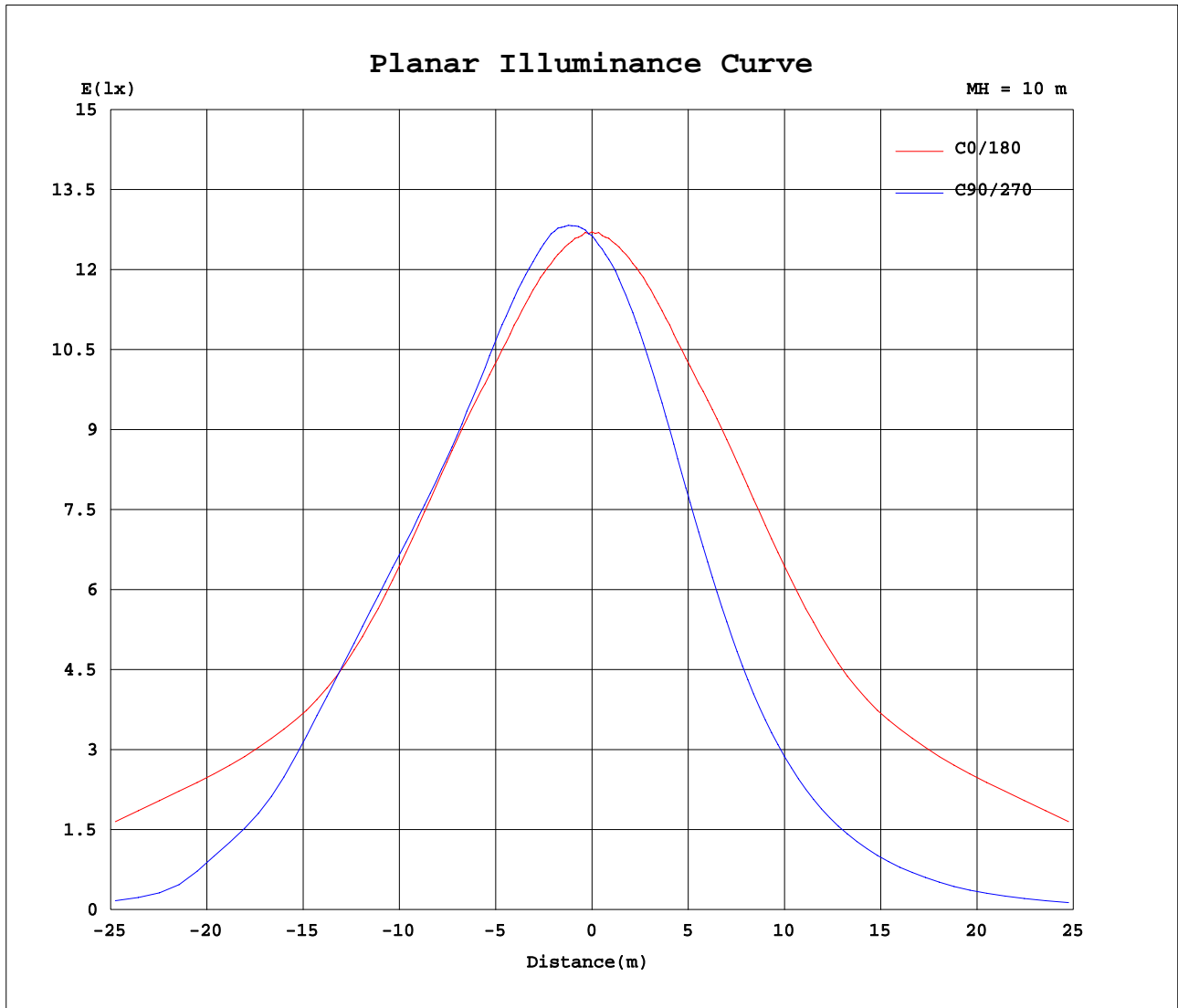
Test:U:219.2V I:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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



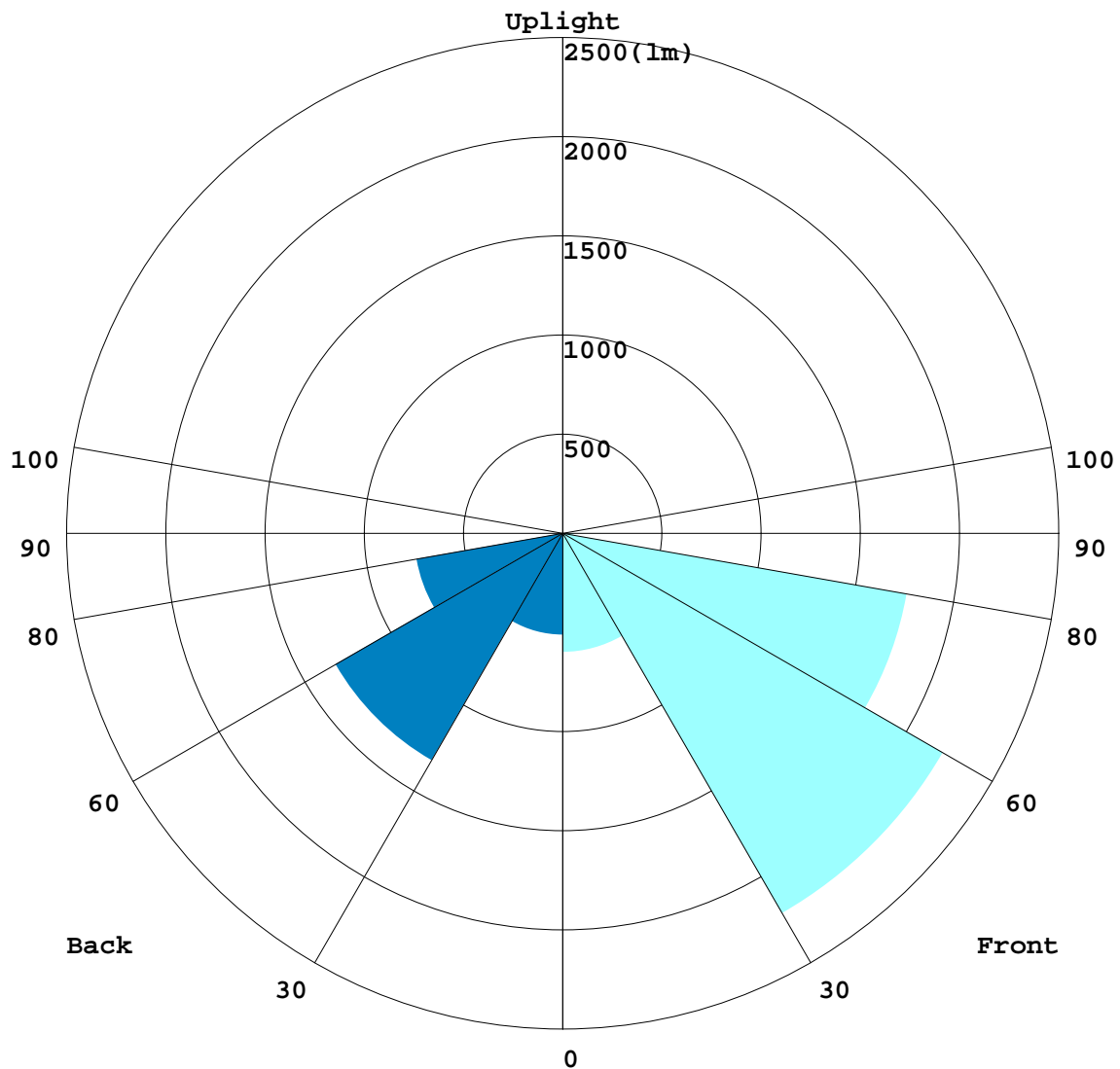
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-09

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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-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)	599.09	8.3
FM - Front-Medium(30-60)	2212.6	30.6
FH - Front-High(60-80)	1761.6	24.4
FVH - Front-Very High(80-90)	55.753	0.8
Total Forward Light	4629	64.0

BL - Back-Low(0-30)	511.51	7.1
BM - Back-Medium(30-60)	1321.8	18.3
BH - Back-High(60-80)	748.27	10.3
BVH - Back-Very High(80-90)	23.159	0.3
Total Back Light	2604.7	36.0

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2604.7	0	2604.7
Street Side	4629	0	4629

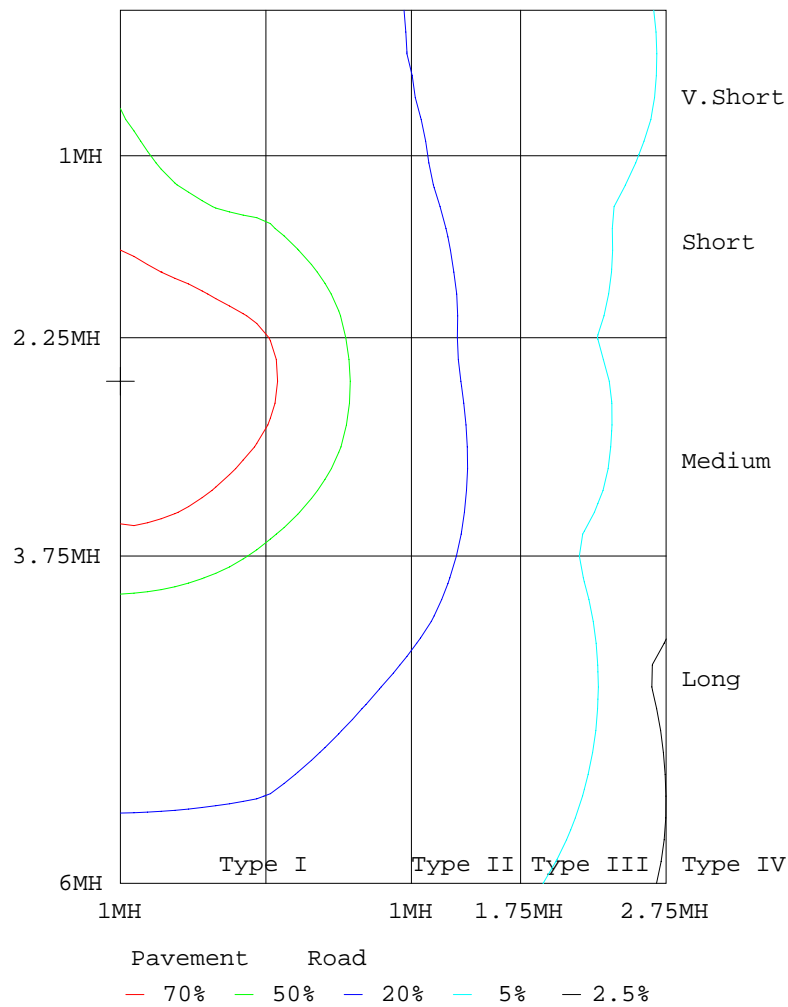
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-09

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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-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	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262	1262
5	1265	1278	1282	1285	1293	1295	1296	1295	1293	1285	1282	1278	1265	1255	1249	1241	1236	1235	1232
10	1278	1297	1311	1321	1330	1333	1337	1333	1330	1321	1311	1297	1278	1256	1239	1224	1211	1207	1205
15	1307	1335	1352	1365	1375	1376	1373	1376	1375	1365	1352	1335	1307	1271	1239	1210	1189	1182	1177
20	1345	1386	1414	1422	1424	1419	1417	1419	1424	1422	1414	1386	1345	1292	1243	1204	1168	1150	1144
25	1401	1460	1491	1493	1486	1477	1472	1477	1486	1493	1491	1460	1401	1323	1249	1196	1142	1110	1098
30	1487	1554	1574	1569	1561	1543	1532	1543	1561	1569	1574	1554	1487	1366	1262	1182	1107	1060	1047
35	1593	1656	1663	1653	1644	1626	1616	1626	1644	1653	1663	1656	1593	1416	1274	1158	1060	1000	981
40	1701	1754	1751	1744	1755	1747	1736	1747	1755	1744	1751	1754	1701	1491	1284	1128	1004	923	899
45	1810	1855	1847	1865	1904	1896	1880	1896	1904	1865	1847	1855	1810	1587	1286	1082	926	836	811
50	1916	1950	1969	2046	2091	2041	1997	2041	2091	2046	1969	1950	1916	1683	1277	1008	834	739	712
55	2075	2115	2193	2314	2256	2049	1926	2049	2256	2314	2193	2115	2075	1778	1252	909	723	631	606
60	2418	2542	2638	2628	2129	1625	1445	1625	2129	2628	2638	2542	2418	1906	1197	779	593	504	483
65	2928	3388	3528	2607	1393	893	622	893	1393	2607	3528	3388	2928	2031	1085	539	403	357	339
70	3067	4024	4432	1557	378	252	236	252	378	1557	4432	4024	3067	1874	754	289	210	211	193
75	2002	2862	2644	628	140	130	123	130	140	628	2644	2862	2002	1230	325	145	110	97.7	95.9
80	732	847	678	162	61.1	54.6	53.1	54.6	61.1	162	678	847	732	357	85.2	51.8	48.9	42.1	43.2
85	103	125	122	30.3	15.4	14.2	13.4	14.2	15.4	30.3	122	125	103	27.0	18.7	14.5	13.2	11.1	11.5
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:0.2338A P:49.72W PF:0.9703 Freq:49.99Hz Lamp Flux:7233.74x1 lm		
NAME: AOK IK02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T301-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	1262	1262	1262	1262	1262														
5	1235	1236	1241	1249	1255														
10	1207	1211	1224	1239	1256														
15	1182	1189	1210	1239	1271														
20	1150	1168	1204	1243	1292														
25	1110	1142	1196	1249	1323														
30	1060	1107	1182	1262	1366														
35	1000	1060	1158	1274	1416														
40	923	1004	1128	1284	1491														
45	836	926	1082	1286	1587														
50	739	834	1008	1277	1683														
55	631	723	909	1252	1778														
60	504	593	779	1197	1906														
65	357	403	539	1085	2031														
70	211	210	289	754	1874														
75	97.7	110	145	325	1230														
80	42.1	48.9	51.8	85.2	357														
85	11.1	13.2	14.5	18.7	27.0														
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: