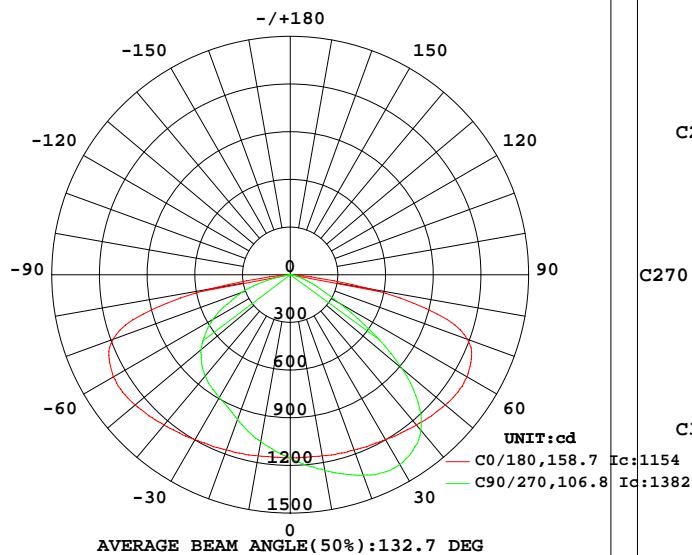
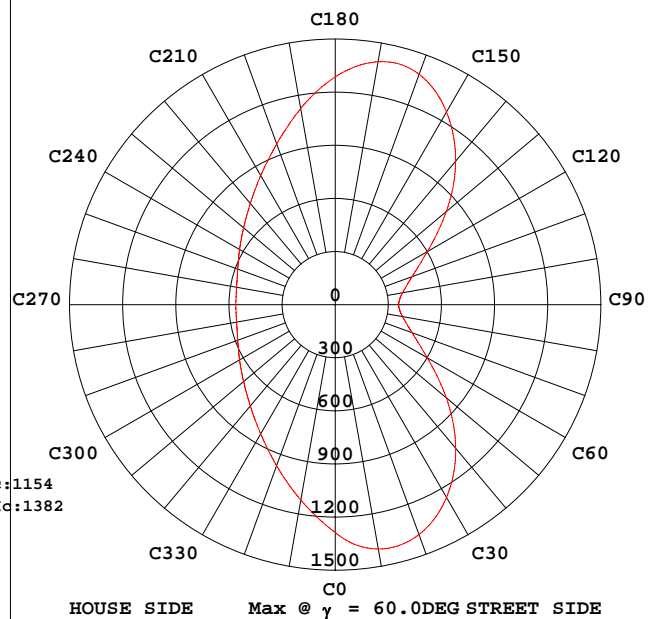


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.89 lm/W			
MODEL	3030	I _{max} (cd)	1407	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	55.1
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4558	η house_up(%)	0.0
NOMINAL FLUX(lm)	4557.71	MAXIMUM @(C,γ)	165,60.0	η house_down(%)	44.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.590

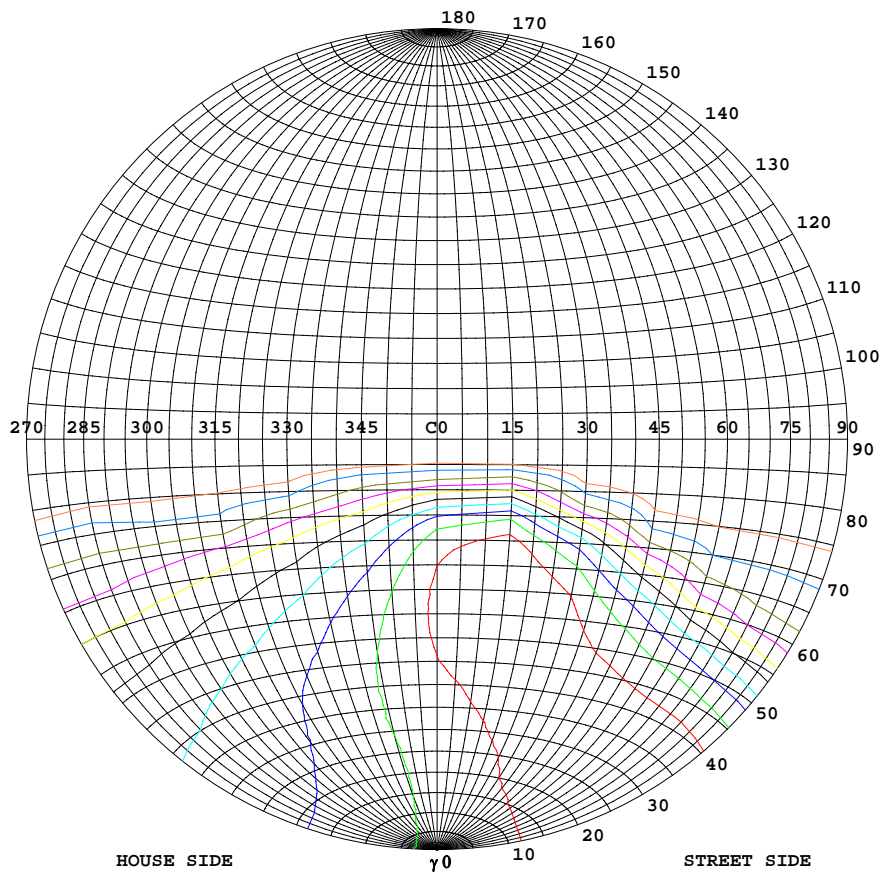
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



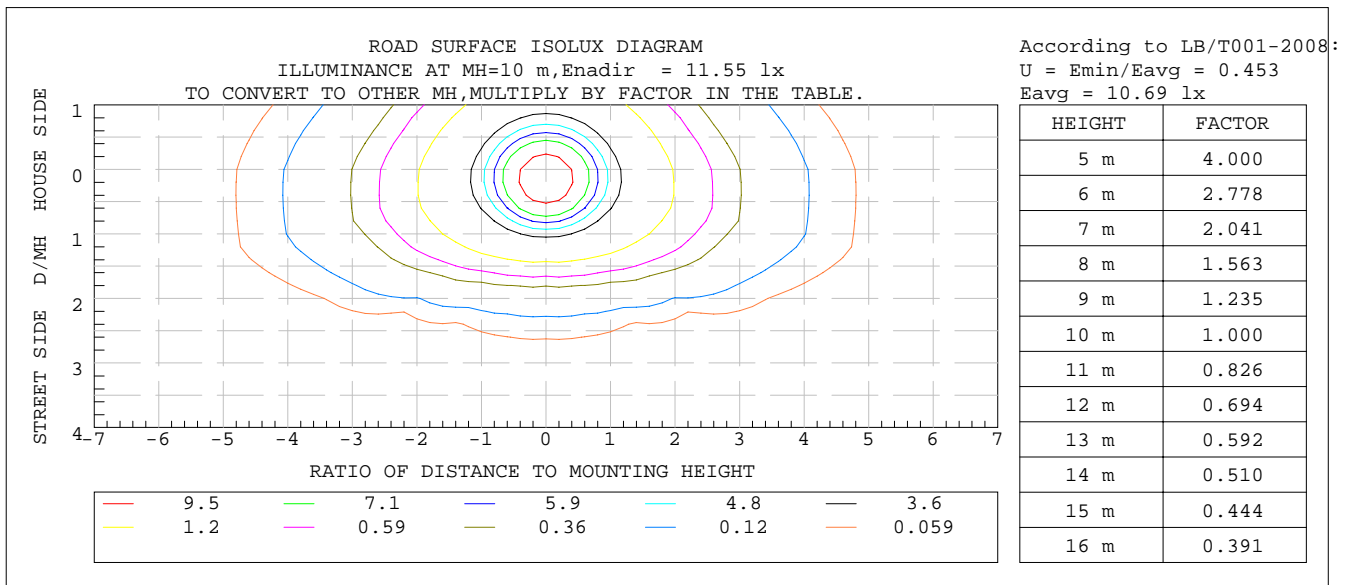
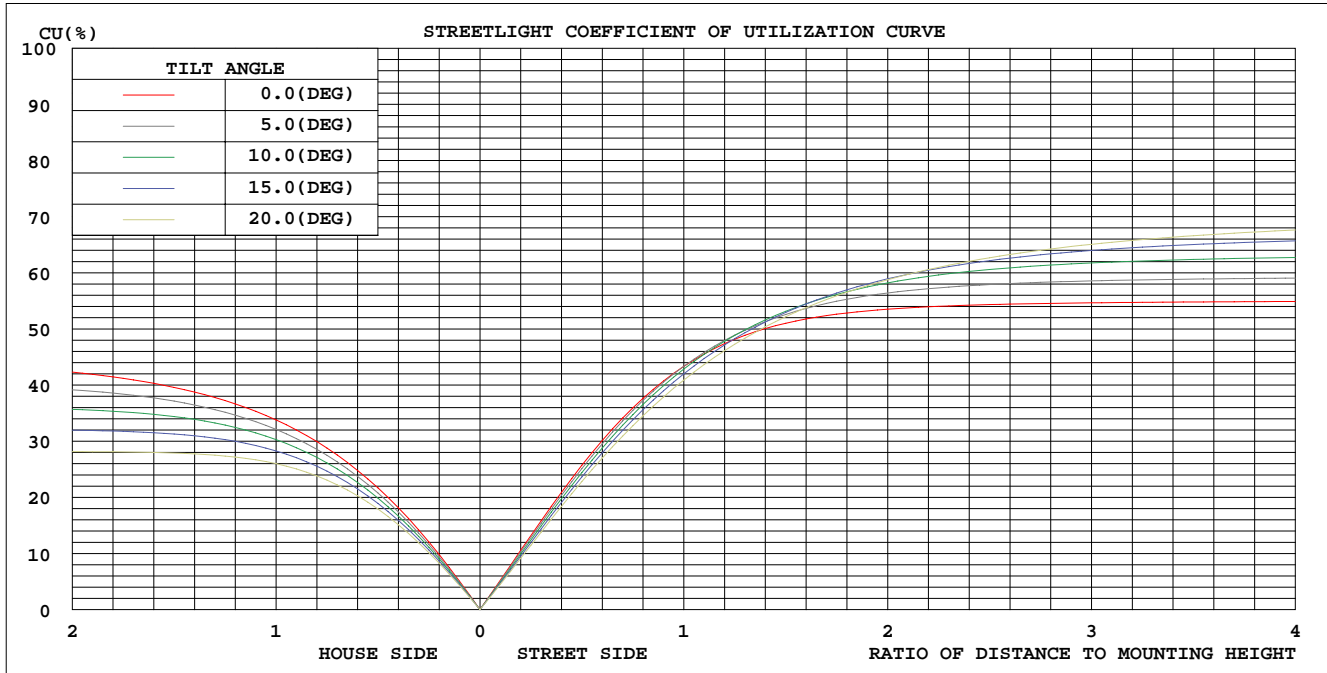
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:123.4cd/klm
 Max.At90:0cd/klm
 Max.80-90:123.4cd/klm
 NRB 5101:Semi limited[21.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1407
90%	1266
80%	1125
70%	985
60%	844
50%	703
40%	563
30%	422
20%	281
10%	141
5%	70

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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

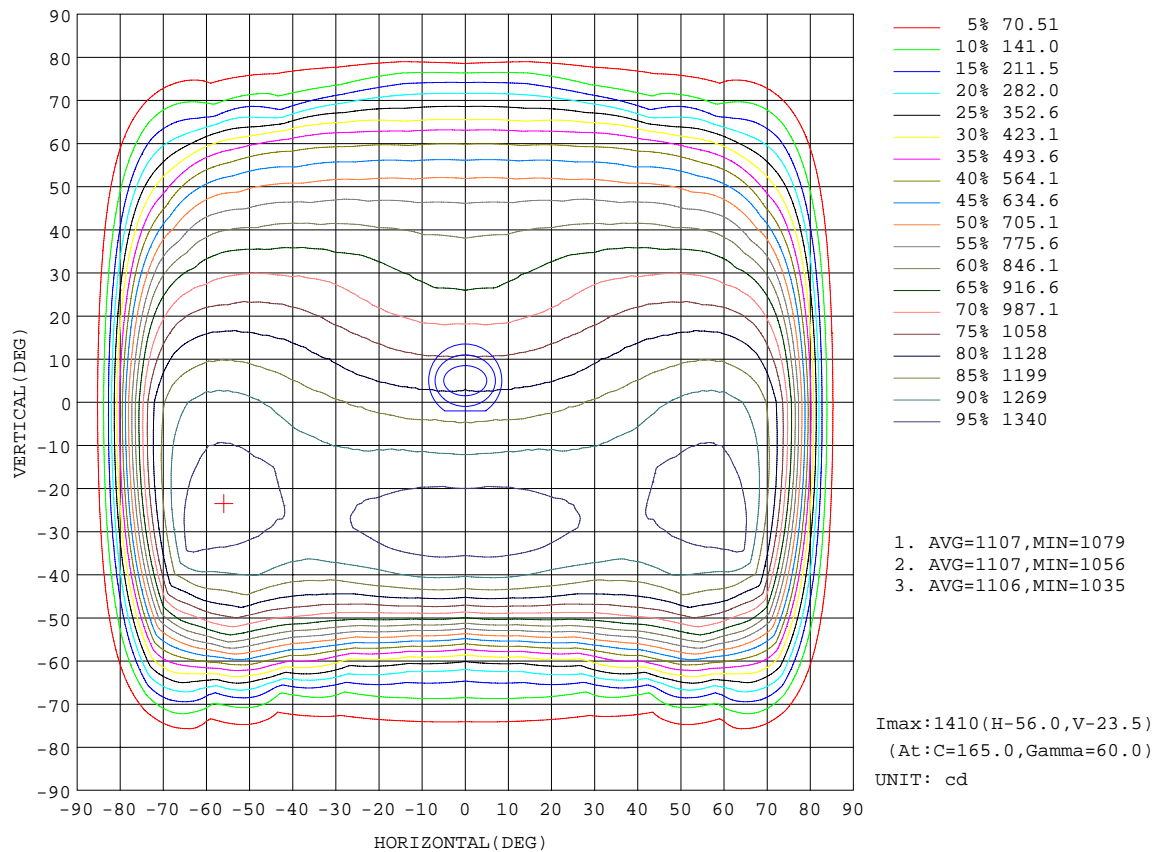
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1157	1227	1249	1227	1157	1091	1067	1091	0- 10	110.3	110.3	2.42,2.42
20	1174	1294	1341	1294	1174	1034	969.1	1034	10- 20	329.4	439.7	9.65,9.65
30	1198	1338	1380	1338	1198	990.3	892.1	990.3	20- 30	539.8	979.5	21.5,21.5
40	1234	1332	1279	1332	1234	952.4	833.5	952.4	30- 40	727.4	1707	37.5,37.5
50	1274	1217	915.2	1217	1274	863.5	731.4	863.5	40- 50	853.4	2560	56.2,56.2
60	1287	941.2	358.5	941.2	1287	708.1	561.5	708.1	50- 60	855.3	3416	74.9,74.9
70	1186	343.0	117.8	343.0	1186	434.6	322.5	434.6	60- 70	707.4	4123	90.5,90.5
80	510.9	40.65	28.54	40.65	510.9	72.44	38.88	72.44	70- 80	384.5	4508	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	50.19	4558	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4558	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4558	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4558	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4558	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4558	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4558	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4558	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4558	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4558	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
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

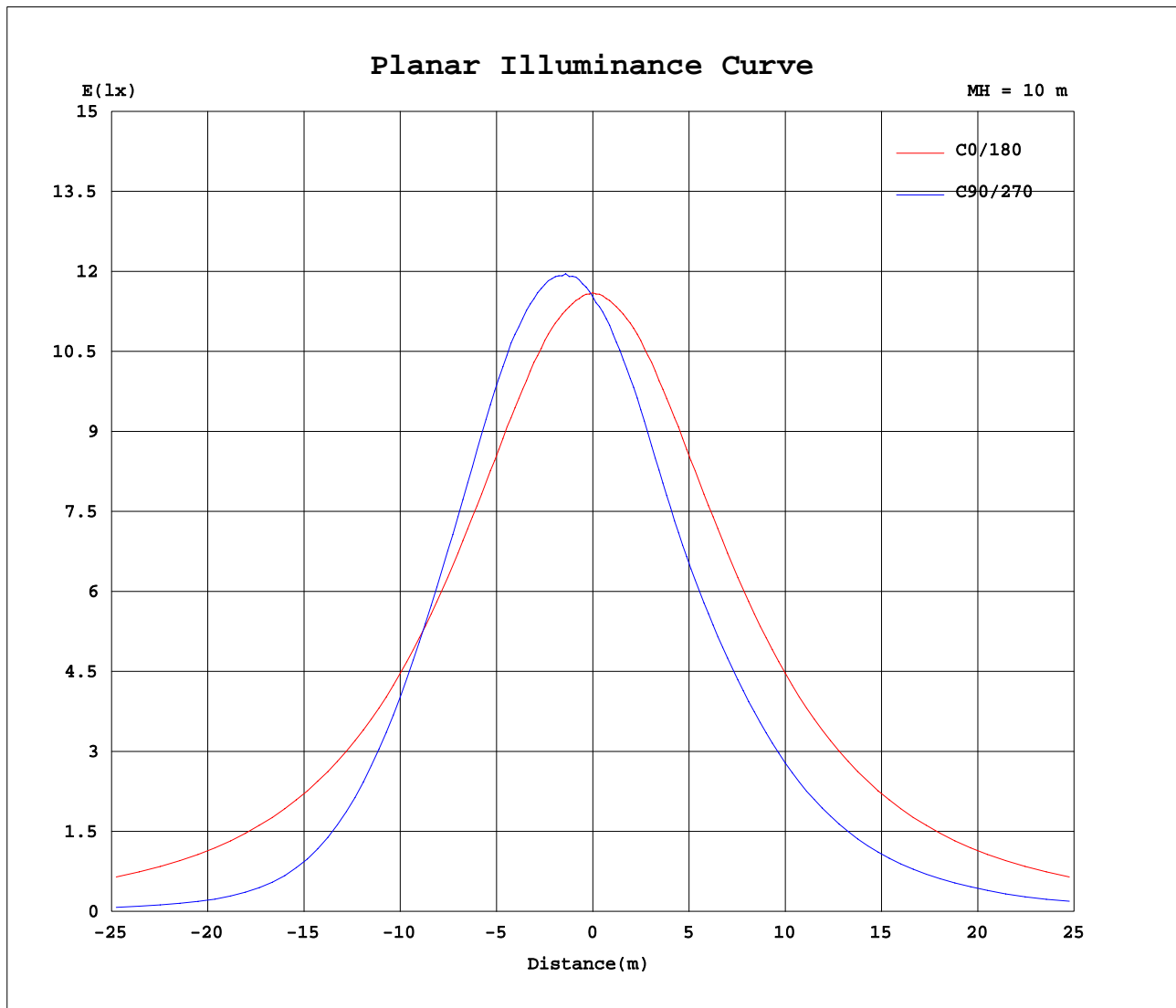
Test:U:219.2V I:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



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



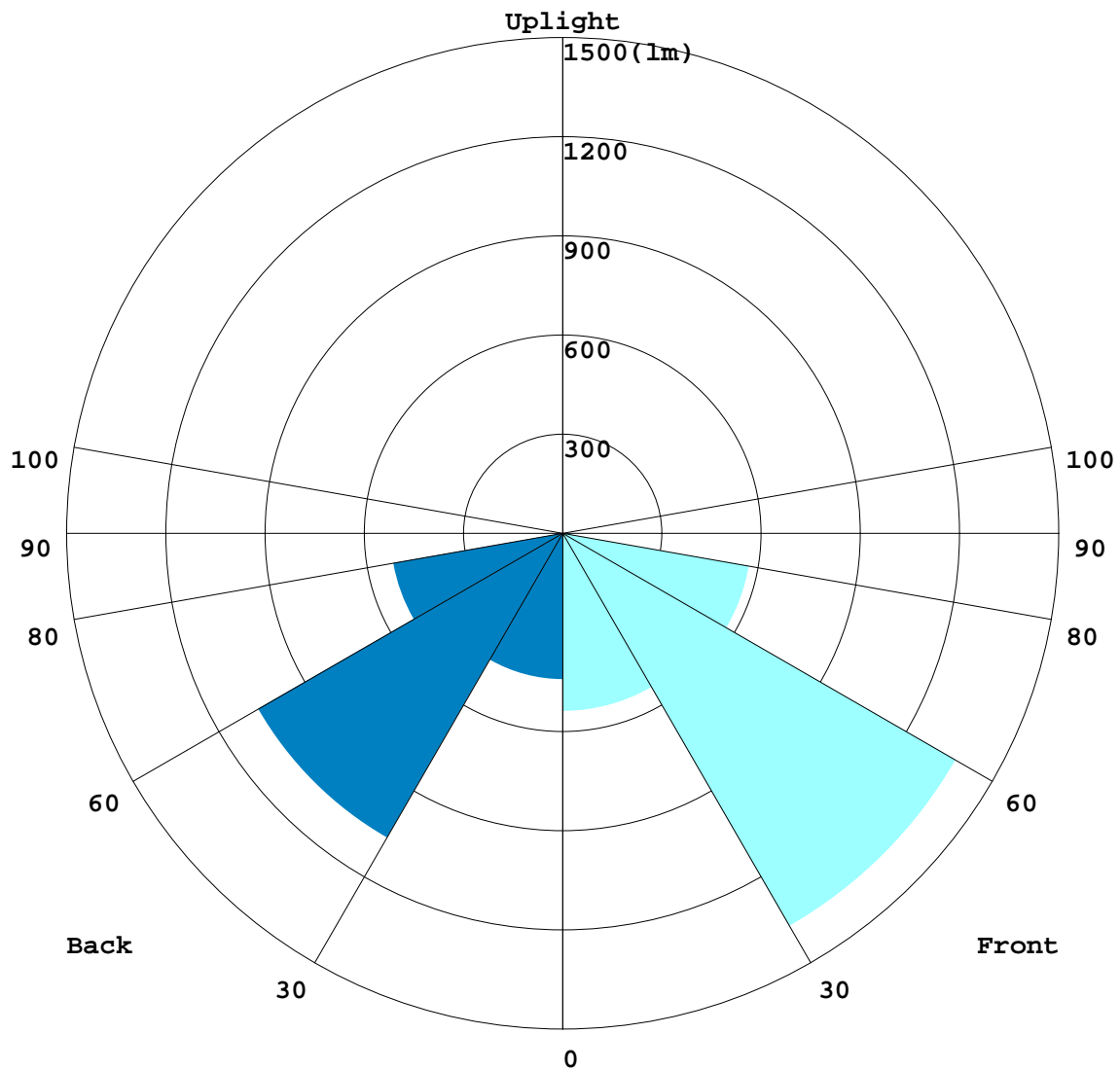
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-11

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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-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)	537.9	11.8
FM - Front-Medium(30-60)	1372.6	30.1
FH - Front-High(60-80)	572.08	12.6
FVH - Front-Very High(80-90)	27.317	0.6
Total Forward Light	2509.9	55.1

BL - Back-Low(0-30)	441.6	9.7
BM - Back-Medium(30-60)	1063.5	23.3
BH - Back-High(60-80)	519.83	11.4
BVH - Back-Very High(80-90)	22.872	0.5
Total Back Light	2047.8	44.9

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	2047.8	0	2047.8
Street Side	2509.9	0	2509.9

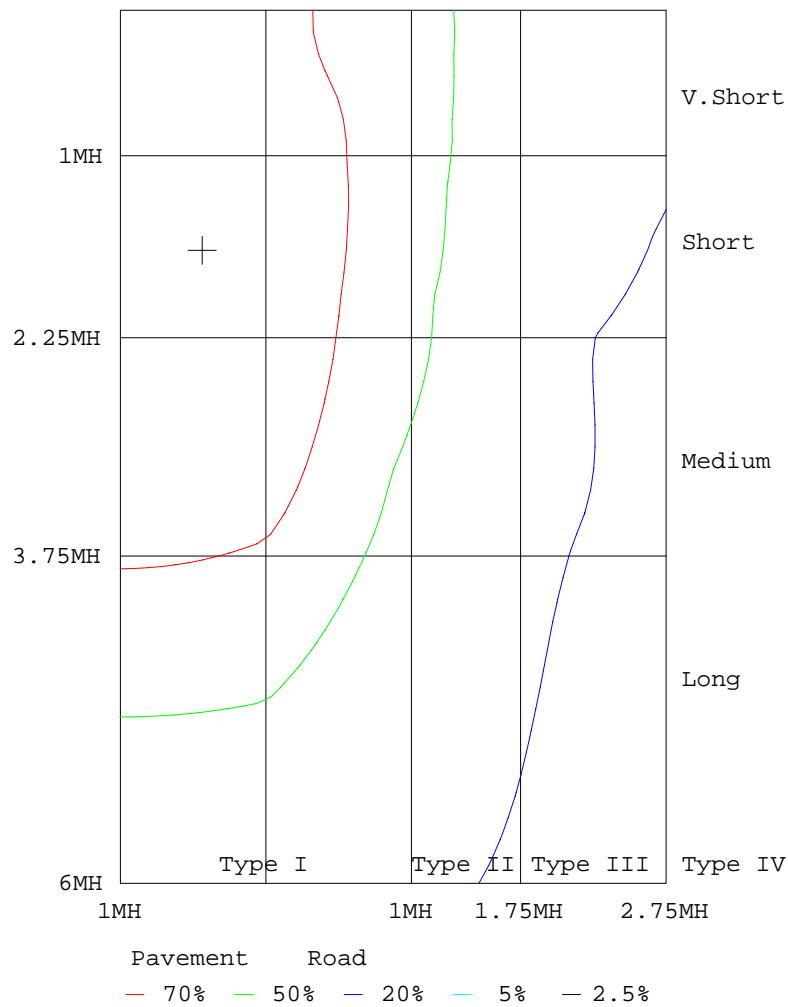
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-11

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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-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	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154	1154
5	1152	1166	1178	1189	1194	1200	1204	1200	1194	1189	1178	1166	1152	1143	1132	1122	1114	1112	1113
10	1157	1182	1204	1227	1237	1246	1249	1246	1237	1227	1204	1182	1157	1135	1111	1091	1075	1068	1067
15	1165	1198	1234	1263	1280	1294	1297	1294	1280	1263	1234	1198	1165	1128	1096	1064	1039	1026	1022
20	1174	1216	1261	1294	1320	1339	1341	1339	1320	1294	1261	1216	1174	1124	1080	1034	996	975	969
25	1185	1235	1278	1320	1352	1374	1374	1374	1352	1320	1278	1235	1185	1125	1069	1011	963	934	924
30	1198	1255	1296	1338	1365	1381	1380	1381	1365	1338	1296	1255	1198	1131	1059	990	936	905	892
35	1215	1275	1314	1345	1356	1354	1348	1354	1356	1345	1314	1275	1215	1136	1048	974	917	880	865
40	1234	1296	1327	1332	1311	1295	1279	1295	1311	1332	1327	1296	1234	1139	1036	952	887	847	833
45	1256	1327	1331	1292	1226	1181	1139	1181	1226	1292	1331	1327	1256	1134	1012	914	845	802	787
50	1274	1358	1326	1217	1086	982	915	982	1086	1217	1326	1358	1274	1118	974	863	786	746	731
55	1288	1390	1307	1110	879	711	624	711	879	1110	1307	1390	1288	1092	919	792	715	670	653
60	1287	1407	1256	941	600	418	358	418	600	941	1256	1407	1287	1042	842	708	624	574	562
65	1257	1392	1141	672	327	233	205	233	327	672	1141	1392	1257	964	741	598	514	454	438
70	1186	1316	915	343	138	127	118	127	138	343	915	1316	1186	829	603	435	352	328	323
75	958	1070	487	102	68.9	65.4	62.7	65.4	68.9	102	487	1070	958	609	382	174	163	196	185
80	511	563	125	40.6	31.8	30.8	28.5	30.8	31.8	40.6	125	563	511	315	115	72.4	61.1	55.3	38.9
85	82.7	72.8	18.7	10.8	8.61	8.13	7.41	8.13	8.61	10.8	18.7	72.8	82.7	47.3	20.6	9.81	9.82	6.73	6.12
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:2020-04-11

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:0.1370A P:28.87W PF:0.9611 Freq:49.99Hz Lamp Flux:4557.71x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-30WiL02-NV-L3-00-5070-T211-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	1154	1154	1154	1154	1154														
5	1112	1114	1122	1132	1143														
10	1068	1075	1091	1111	1135														
15	1026	1039	1064	1096	1128														
20	975	996	1034	1080	1124														
25	934	963	1011	1069	1125														
30	905	936	990	1059	1131														
35	880	917	974	1048	1136														
40	847	887	952	1036	1139														
45	802	845	914	1012	1134														
50	746	786	863	974	1118														
55	670	715	792	919	1092														
60	574	624	708	842	1042														
65	454	514	598	741	964														
70	328	352	435	603	829														
75	196	163	174	382	609														
80	55.3	61.1	72.4	115	315														
85	6.73	9.82	9.81	20.6	47.3														
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
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: