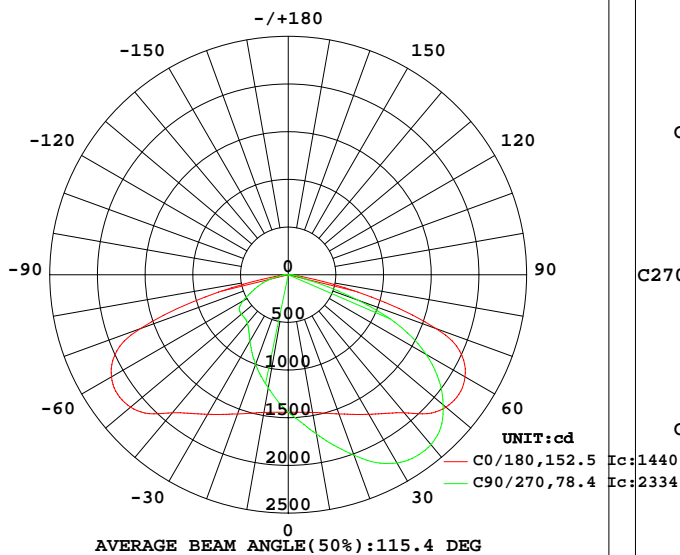
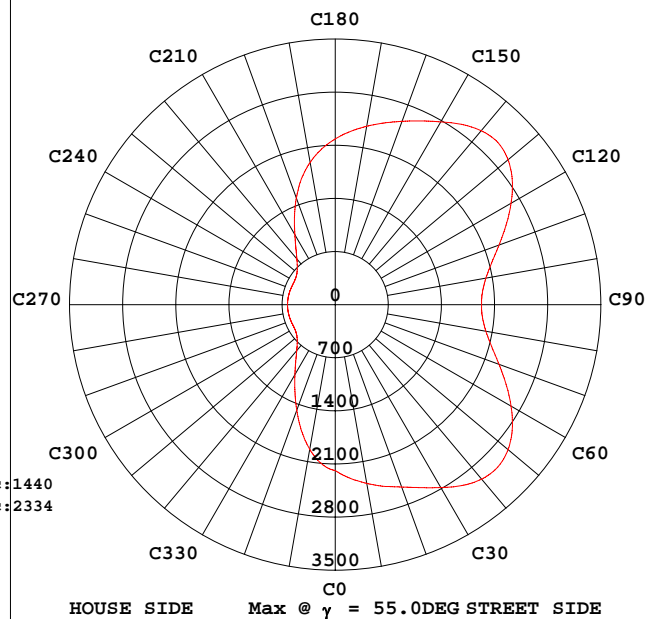


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 193.01 lm/W			
MODEL	5050	I _{max} (cd)	3027	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7655	η house_up(%)	0.0
NOMINAL FLUX(lm)	7654.71	MAXIMUM @(C,γ)	45,55.0	η house_down(%)	30.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.608

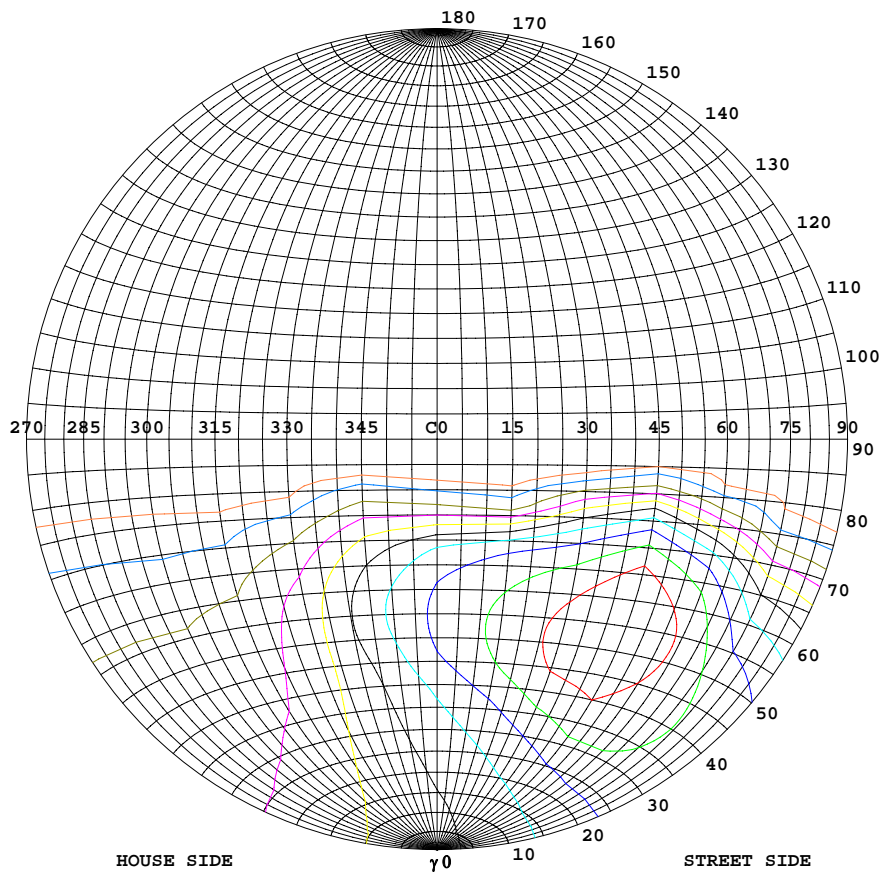
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



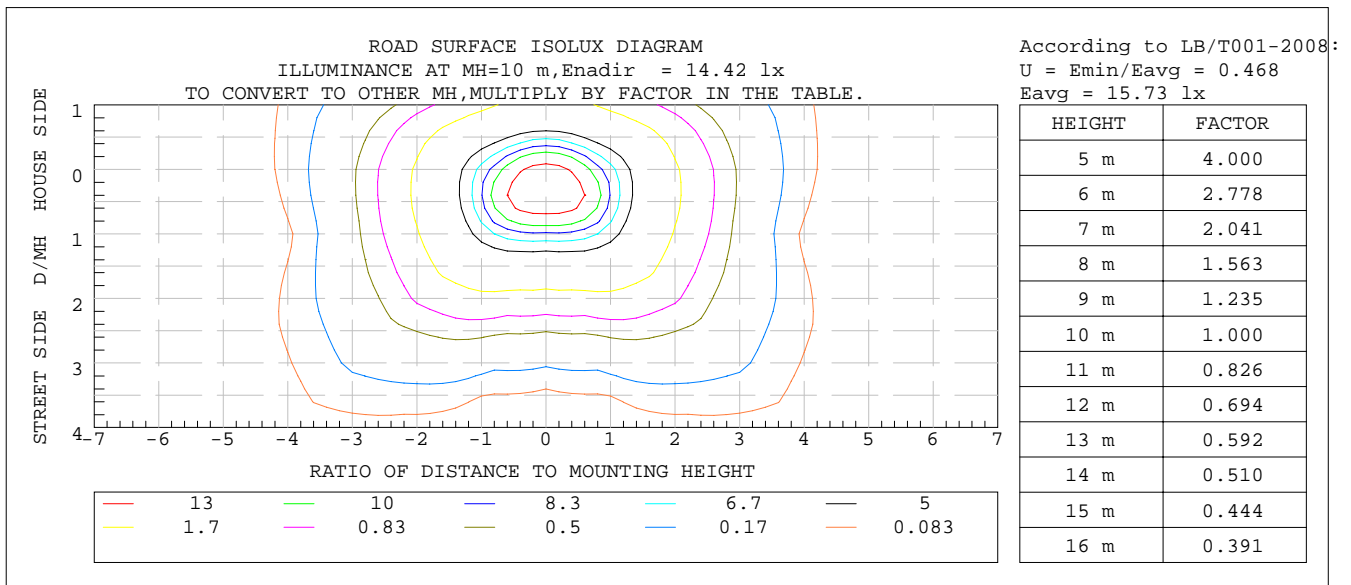
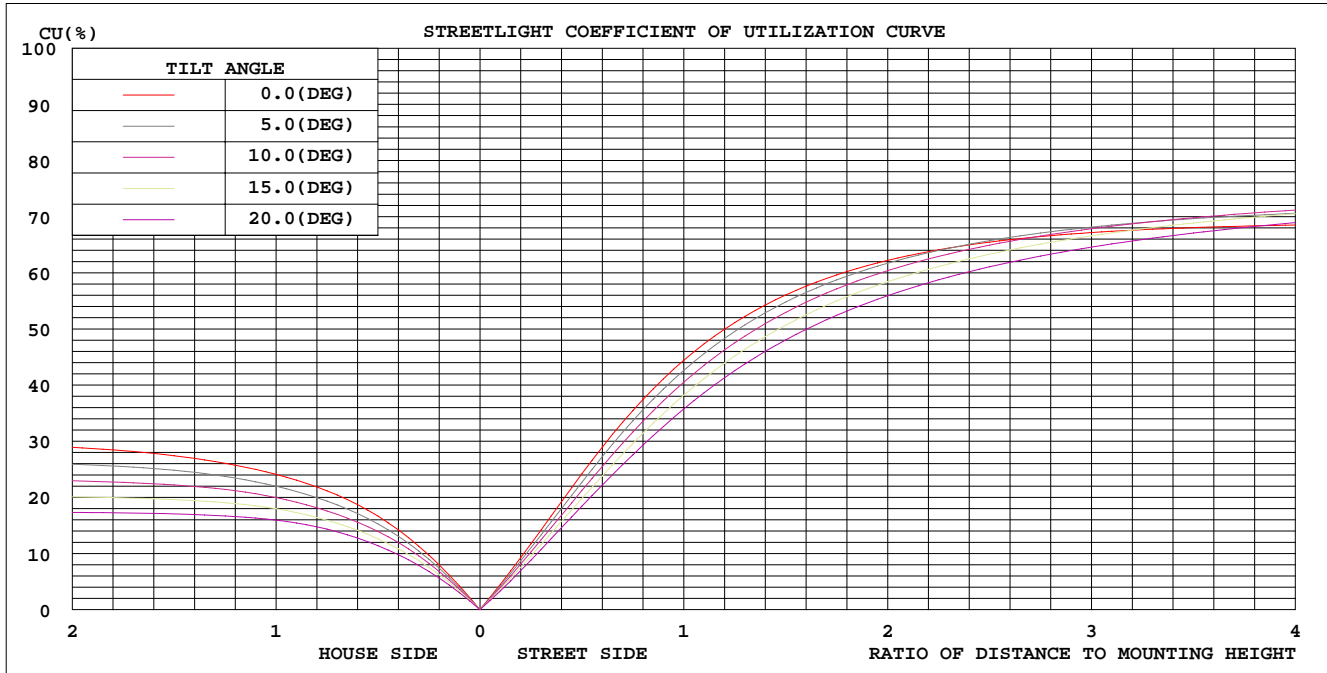
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:121.2cd/klm
Max.At90:0cd/klm
Max.80-90:121.2cd/klm
NRB 5101:Semi limited[15.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3027
90%	2725
80%	2422
70%	2119
60%	1816
50%	1514
40%	1211
30%	908
20%	605
10%	303
5%	151

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [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: 2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

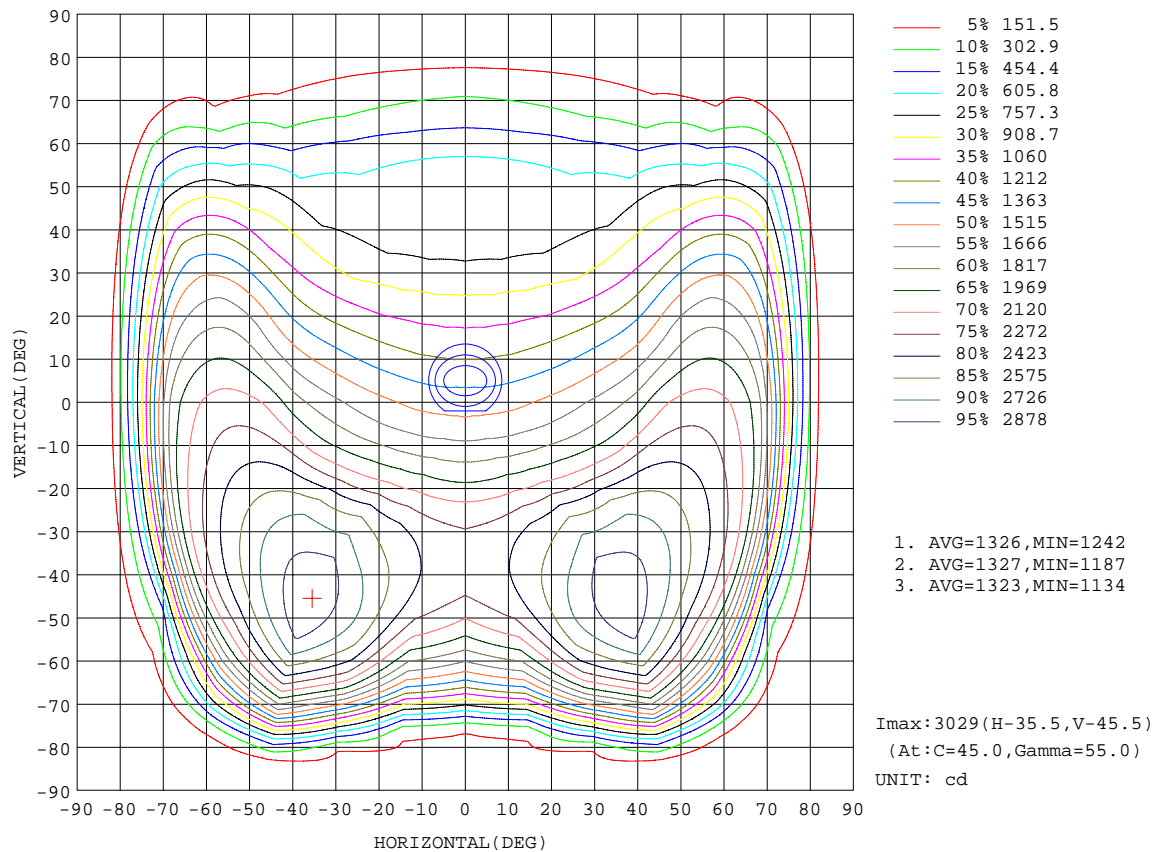
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	1466	1629	1695	1629	1466	1289	1206	1289	0- 10	138.3	138.3	1.81,1.81
20	1554	1917	2012	1917	1554	1161	1001	1161	10- 20	424.4	562.7	7.35,7.35
30	1690	2324	2279	2324	1690	1026	803.5	1026	20- 30	735.7	1298	17,17
40	1890	2724	2327	2724	1890	879.1	666.6	879.1	30- 40	1063	2362	30.9,30.9
50	2159	2975	2120	2975	2159	768.1	641.9	768.1	40- 50	1380	3742	48.9,48.9
60	2140	2984	1669	2984	2140	628.0	547.5	628.0	50- 60	1583	5325	69.6,69.6
70	1650	2472	778.0	2472	1650	322.1	320.5	322.1	60- 70	1464	6789	88.7,88.7
80	281.3	927.8	119.4	927.8	281.3	100.6	103.6	100.6	70- 80	765.7	7555	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	100.2	7655	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7655	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7655	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7655	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7655	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7655	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7655	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7655	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7655	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7655	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:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

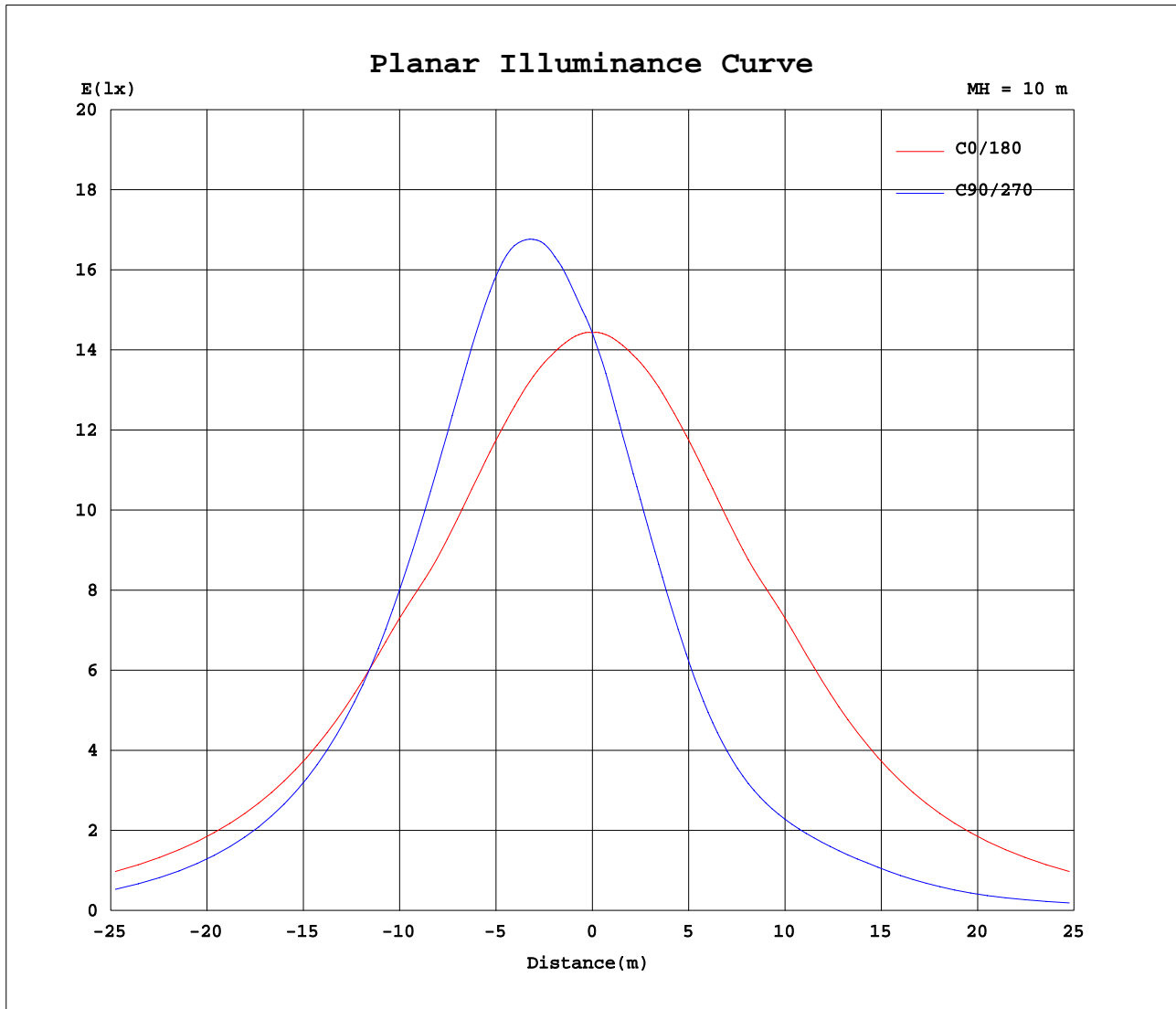
Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

Planar Illuminance Curve



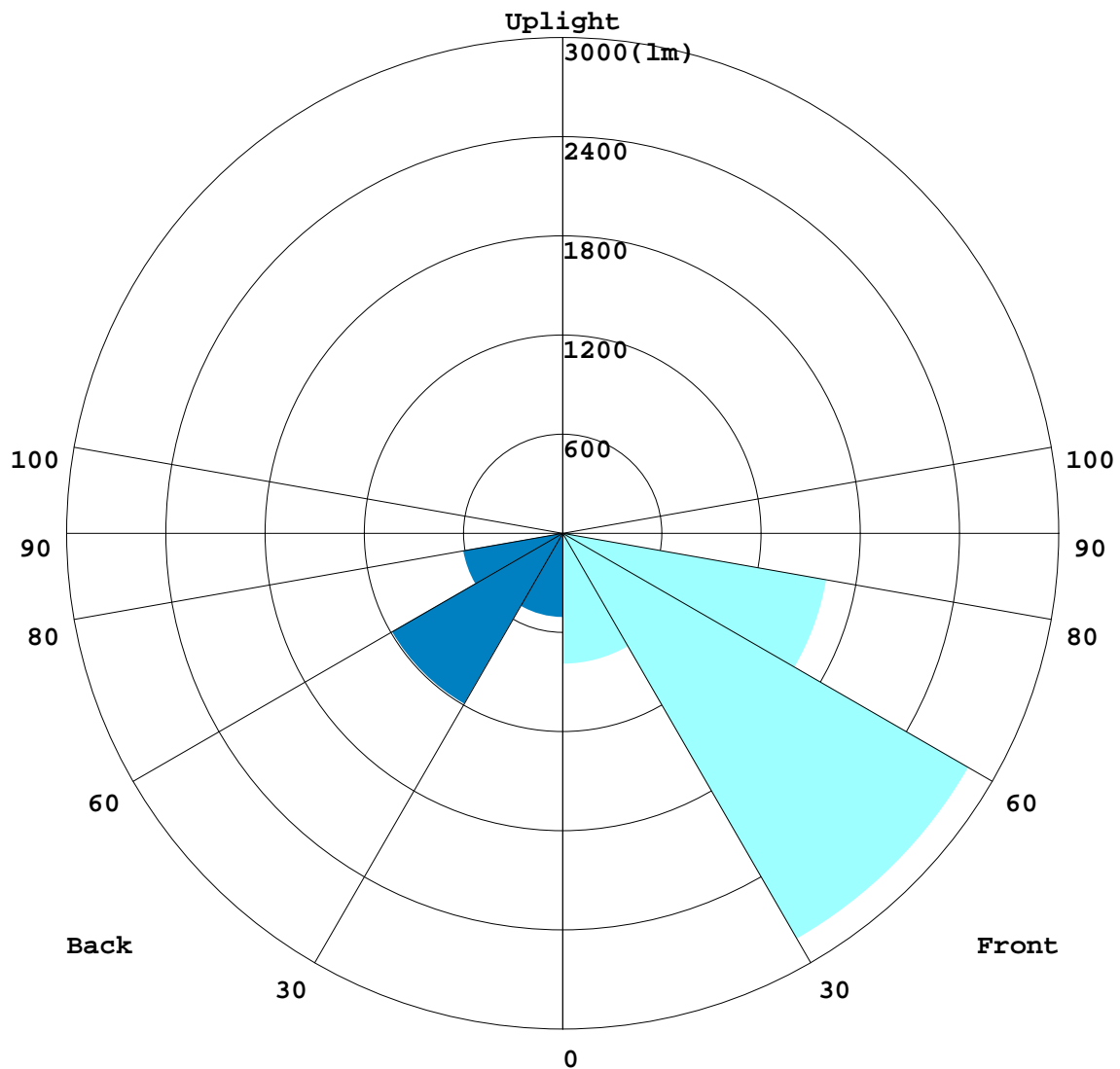
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.802m [K=1.0000]
Remarks:

LCS REPORT

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

BUG REPORT

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	790.48	10.3
FM - Front-Medium(30-60)	2834.5	37.0
FH - Front-High(60-80)	1620	21.2
FVH - Front-Very High(80-90)	66.993	0.9
Total Forward Light	5311.9	69.4

BL - Back-Low(0-30)	507.93	6.6
BM - Back-Medium(30-60)	1191.7	15.6
BH - Back-High(60-80)	609.97	8.0
BVH - Back-Very High(80-90)	33.18	0.4
Total Back Light	2342.8	30.6

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2342.8	0	2342.8
Street Side	5311.9	0	5311.9

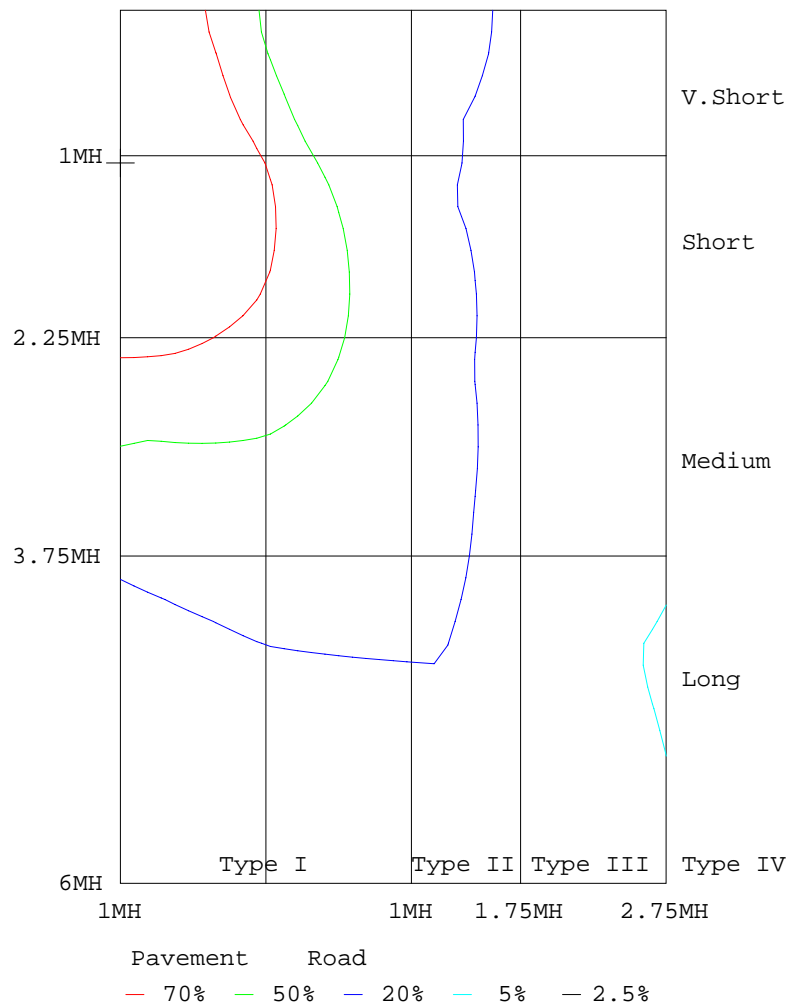
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.802m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440
5	1448	1475	1501	1523	1541	1551	1553	1551	1541	1523	1501	1475	1448	1418	1390	1365	1345	1330	1325
10	1466	1521	1578	1629	1670	1690	1695	1690	1670	1629	1578	1521	1466	1406	1344	1289	1246	1217	1206
15	1504	1586	1679	1759	1820	1848	1851	1848	1820	1759	1679	1586	1504	1409	1310	1223	1159	1118	1103
20	1554	1672	1802	1917	1990	2013	2012	2013	1990	1917	1802	1672	1554	1418	1278	1161	1074	1021	1001
25	1616	1773	1946	2102	2177	2182	2172	2182	2177	2102	1946	1773	1616	1433	1250	1096	988	923	901
30	1690	1889	2112	2324	2366	2315	2279	2315	2366	2324	2112	1889	1690	1456	1221	1026	898	827	804
35	1775	2028	2340	2564	2499	2385	2328	2385	2499	2564	2340	2028	1775	1482	1184	949	810	744	722
40	1890	2232	2575	2724	2575	2410	2327	2410	2575	2724	2575	2232	1890	1516	1146	879	740	684	667
45	2061	2411	2737	2854	2646	2387	2263	2387	2646	2854	2737	2411	2061	1579	1116	820	694	657	644
50	2159	2483	2805	2975	2683	2305	2120	2305	2683	2975	2805	2483	2159	1675	1097	768	661	646	642
55	2185	2479	2781	3027	2675	2133	1928	2133	2675	3027	2781	2479	2185	1720	1065	709	622	626	629
60	2140	2406	2676	2984	2567	1873	1669	1873	2567	2984	2676	2406	2140	1675	996	628	558	547	547
65	2010	2252	2462	2815	2315	1523	1312	1523	2315	2815	2462	2252	2010	1527	857	505	423	411	422
70	1650	1833	2105	2472	1864	994	778	994	1864	2472	2105	1833	1650	1266	635	322	285	305	321
75	902	831	1493	1905	1115	360	240	360	1115	1905	1493	831	902	872	331	186	186	206	218
80	281	186	645	928	334	145	119	145	334	928	645	186	281	410	123	101	102	108	104
85	42.2	39.7	86.3	151	98.3	74.1	60.8	74.1	98.3	151	86.3	39.7	42.2	60.8	35.1	38.2	48.9	54.2	55.2
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:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:43.35V I:0.9149A P:39.66W PF:1.000 Freq:0Hz Lamp Flux:7654.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-40WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1440	1440	1440	1440	1440														
5	1330	1345	1365	1390	1418														
10	1217	1246	1289	1344	1406														
15	1118	1159	1223	1310	1409														
20	1021	1074	1161	1278	1418														
25	923	988	1096	1250	1433														
30	827	898	1026	1221	1456														
35	744	810	949	1184	1482														
40	684	740	879	1146	1516														
45	657	694	820	1116	1579														
50	646	661	768	1097	1675														
55	626	622	709	1065	1720														
60	547	558	628	996	1675														
65	411	423	505	857	1527														
70	305	285	322	635	1266														
75	206	186	186	331	872														
80	108	102	101	123	410														
85	54.2	48.9	38.2	35.1	60.8														
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:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.802m [K=1.0000]
 Remarks: